MANUAL OF

NAVY ENLISTED MANPOWER AND PERSONNEL CLASSIFICATIONS AND OCCUPATIONAL STANDARDS

VOLUME I

OCCUPATIONAL STANDARDS (STANDARDS)

NAVPERS 18068F July 2026

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DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
2000 NAVY PENTAGON
WASHINGTON DC 20350-2000

1221
B32
16 Jul 26

From: Director, Military Personnel Plans and Policy Division, N13
To: All Ships and Stations (less Marine Corps field addressees not having Navy personnel attached)

Subj: PROMULGATION OF VOLUMES I AND II OF THE MANUAL OF NAVY ENLISTED MANPOWER AND PERSONNEL CLASSIFICATIONS AND OCCUPATIONAL STANDARDS (NAVPERS 18068F) FOR JULY 2026

Ref: (a) OPNAVINST 1223.1 (series)
(b) NAVPERS 18068F

1. In line with reference (a), Volume I of reference (b) is the official manual of Navy Occupational Standards and Volume II of reference (b) is the official manual of Navy Enlisted Classifications. This edition includes the latest information available at the time of revision.

2. The manual's objective is to define the work performed by enlisted personnel and provide correct and timely identification of skilled personnel and requirements dependent upon the interactive support of all command echelons. Commands are encouraged to forward recommendations for establishments, revisions or disestablishments in line with reference (b) (Appendix-A).

3. Changes to these volumes are updated quarterly. All changes should be coordinated through Navy Manpower Analysis Center.

S. R. MORAN
By direction

SUMMARY OF CHANGES

NAVPERS 18068F is published quarterly (JAN, APR, JUL, and OCT) to provide updated standards information in a timely manner. Specific revisions within Part A are identified by yellow shaded print within the manual. In Part B, rating chapter cover pages are annotated with a specified change number (e.g., CH-88, Change 88) if the rating was updated.

PART A
CONTENTS

ADDITIONS
- None

REVISIONS
- Listing of Publication Dates, pages vi – vii

DELETIONS
- None

PART B
OCCUPATIONAL STANDARDS (OCCSTDs)

RATING / SERVICE RATING UPDATES

Chapter	ShortTitle	LongTitle
96F*	CN	Constructionman
29I	EMN	Electrician's Mate, Nuclear Power
31I	EO	Equipment Operator
32K	ETN	Electronics Technicians, Nuclear Power
32I	ETV	Electronics Technician, Submarine, Navigation
38I	GM	Gunner's Mate
42F	HT	Hull Maintenance Technician
43H	IC	Interior Communications Electrician
51H	MMN	Machinist's Mate, Nuclear Power
56E	MU	Musician
68E	RP	Religious Program Specialist

Navy Enlisted Billet Classification (NEBC) Structure

RATING / SERVICE RATING DISESTABLISHMENTS

Deleted			Absorbed by	
Chapter	**ShortTitle**	**Title**	**Chapter**	**ShortTitle**

RATING / SERVICE RATING ESTABLISHMENTS

Chapter	ShortTitle	LongTitle

PART B (CONT'D)

NEBC NAME CHANGES

Rating	Job Code	FROM	TO
HM	001387	Behavioral Health Technician	Mental Health Technician

NEBC ESTABLISHMENTS

Rating	Job Code	Title(s)

PART B (CONT'D)

NEBC DISESTABLISHMENTS

Rating	Job Code	Title(s)
IC	003733	Interior Communications Technician

*Administrative Update

Change 107

LISTING OF PUBLICATION DATES

CHAPTER	RATING	REVISION NUMBER	PUBLICATION DATE
1E	ABE	CH-96	OCT 23
1E	ABF	CH-96	OCT 23
1E	ABH	CH-96	OCT 23
2J	AC	CH-104	OCT 25
3H	AD	CH-103	JUL 25
4G	AE	CH-102	APR 25
5E	AG	CH-95	JUL 23
6C	SO	CH-103	JUL 25
7L	AM	CH-104	OCT 25
7J	AME	CH-103	JUL 25
8C	AN	CH-90	APR 22
9H	AO	CH-102	APR 25**
10G	AS	CH-105	JAN 26
11I	AT	CH-105	JAN 26
12I	AWF	CH-100	OCT 24
12J	AWO	CH-100	OCT 24
12I	AWR	CH-100	OCT 24
12J	AWS	CH-100	OCT 24
12J	AWV	CH-100	OCT 24
13G	AZ	CH-94	APR 23
14D	BM	CH-88	OCT 21
15C	SB	CH-102	APR 25
16H	BU	CH-100	OCT 24
17H	CE	CH-100	OCT 24
18H	CM	CH-100	OCT 24
19F	CN	CH-107	JUL 26*
20F	CTI	CH-101	JAN 25
20M	CTM	CH-93	JAN 23
20O	CWT(CTN)	CH-101	JAN 25
20N	CTR	CH-101	JAN 25
20L	CTT	CH-101	JAN 25
21F	DC	CH-102	APR 25
23D	MC	CH-100	OCT 24
28H	EA	CH-100	OCT 24
29H	EM	CH-105	JAN 26
29I	EMN	CH-107	JUL 26
30H	EN	CH-103	JUL 25
31I	EO	CH-107	JUL 26
32M	ET	CH-104	OCT 25
32K	ETN	CH-107	JUL 26
32I	ETV	CH-107	JUL 26
34J	FC	CH-103	JUL 25
34D	FCA	CH-104	OCT 25
35B	FN	CH-90	APR 22

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CHAPTER	RATING	REVISION NUMBER	PUBLICATION DATE
36D	EOD	CH-104	OCT 25
37G	FT	CH-102	APR 25
38I	GM	CH-107	JUL 26
39I	GSE	CH-104	OCT 25
39I	GSM	CH-103	JUL 25
40G	HM	CH-100	OCT 24
41C	HN	CH-100	OCT 24
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43H	IC	CH-107	JUL 26
44B	ND	CH-87	JUL 21
45J	IS	CH-101	JAN 25
47C	LS	CH-105	JAN26
47B	LSS	CH-105	JAN26
48E	LN	CH-81	JAN 20
49G	MA	CH-104	OCT 25
51I	MM	CH-100	OCT 24
51H	MMA	CH-96	OCT 23
51H	MMN	CH-107	JUL 26
52G	MN	CH-92	OCT 22
53F	MR	CH-83	JUL 20
54H	CS	CH-106	APR 26
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55G	MT	CH-98	APR 24
56E	MU	CH-107	JUL 26
57J	NCC	CH-103	JUL 25
57K	NCR	CH-100	OCT 24
59K	OS	CH-106	APR 26
64B	PS	CH-94	APR 23
65F	PR	CH-102	APR 25
66H	QM	CH-105	JAN 26
67J	IT	CH-103	JUL 25
67A	ITS(ITE)	CH-102	APR 25
67A	ITS(ITN)	CH-102	APR 25
67A	ITS(ITR)	CH-102	APR 25
68E	RP	CH-107	JUL 26
69G	RS	CH-105	JAN 26
72G	SN	CH-90	APR 22
73H	STG	CH-97	JAN 24
74H	STS	CH-103	JUL 25
75H	SW	CH-100	OCT 24
76I	TM	CH-99	JUL 24
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79B	YNS	CH-104	OCT 25
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---	NAVSTDs	CH-93	JAN 23

*Administrative Updates
**Event-Based Reviews
Change 107

INTRODUCTION

THE ENLISTED RATING STRUCTURE, NAVAL STANDARDS AND OCCUPATIONAL STANDARDS

The Navy Enlisted Occupational Classification System (NEOCS) provides the means by which all Navy enlisted personnel are classified. To support enlisted personnel planning, procurement, training, promotion, distribution, assignment, and mobilization within that classification system, the Navy has established specific standards. The standards define minimum skill and knowledge requirements for enlisted personnel at each paygrade and within each career field.

1. Volume 1, Part A - Table of Contents - provides a content listing, to include: an introductory overview of NEOCS, an explanation of Naval Standards (NAVSTDs) and Occupational Standards (OCCSTDs), and pertinent appendices.

2. Volume I, Part B -Table of Contents - refers to individual chapters containing OCCSTDs for each rating.

3. Volume II of this manual contains an explanation of the Navy Enlisted Classification (NEC) structure, a listing of those NECs and related appendices.

4. The standards and classifications in Volume I and II are important to all Navy personnel and commands. Familiarity with these standards and classifications will provide enlisted personnel and commands with a better understanding of an important part of the training, advancement, and distribution systems.

NEOCS OVERVIEW

The Navy Enlisted Occupational Classification System (NEOCS) consists of (1) the enlisted rating structure and (2) its supplement, the NEC structure. Special qualifications further complement both the enlisted rating structure and NEC structure. These special qualifications, found in the *Naval Military Personnel Manual, NAVPERS 15560 series*, identify and define requirements for specialized mission areas which cross broad occupational fields (e.g., submarine qualifications).

1. The enlisted rating structure consists of occupational fields (i.e., broad groupings of similar occupations), ratings (i.e., occupational specialties) and rates (i.e., a paygrade within a rating). This structure provides a framework for enlisted career development and advancement, and is the primary administrative means for classifying and identifying enlisted personnel.

a. The enlisted rating structure provides:

(1) A single, integrated structure for the Navy (Active and Reserve). This structure serves both peacetime and wartime needs and eliminates the need for extensive expansion and conversion of the classification system upon mobilization.

(2) Specialization at appropriate petty officer levels to meet expanding technology, reduce training time, and improve the utilization of first enlistment personnel.

(3) Senior petty officers with broad military and technical qualifications.

b. The Secretary of the Navy approves the establishment and disestablishment of general and emergency ratings and general rates under the authority of Title 10 USC 6013. The Deputy Chief of Naval Operations (Manpower, Personnel, Training, and Education), approves policy and modifications to existing ratings, including the establishment or disestablishment of service ratings. A NEOCS Board assists in the management of the NEOCS and serves as the central point for changes in rates, ratings, jobs, and NEC classifications. OPNAVINST 1223.1 series establishes the NEOCS Board and outlines its objectives, authority, and composition. Volume I, Part A, Appendix A of this manual contains the criteria and guidelines for proposing changes to the enlisted rating structure.

c. The following paragraphs provide a brief description of major components of the enlisted rating structure:

(1) Occupational fields are broad groupings of similar occupations used by manpower, personnel, and training managers to organize the analysis, management, and administration of Navy ratings. Occupational fields are also used to organize career guides and conversion manuals for use by counselors and Department of Defense managers. A listing of the occupational fields and their associated ratings are listed in Appendix B of this manual.

(2) Ratings (general, service, and emergency) are broad enlisted career fields. They identify occupational specialties that encompass related aptitude, training, experience, knowledge, and skills for the purpose of career development and advancement.

(a) General ratings identify personnel from paygrades E-4 through E-9. They provide the primary means of identifying billet requirements and personnel qualifications. Some ratings are combined at paygrade E-8 or E-9 to form broader career fields when the occupational content is similar. This provides for progressively higher levels and scopes of authority and responsibility (e.g., combination of Senior Chief Utilitiesman (UTCS) and Senior Chief Construction Electrician (CECS) to form the Seabee Master Chief (CBCM)).

(b) Service ratings are subdivisions of certain general ratings. They identify required specialization and specific areas of qualifications in the utilization and training of personnel. Service ratings permit optimum utilization of personnel and economy of training.

(c) Emergency ratings are career fields encompassing skills or qualifications which do not require identification by a rating during peacetime, but are required in time of war. Currently, there are no emergency ratings.

(3) Rates identify personnel occupationally by paygrades E-1 through E-9 and they reflect levels of aptitude, training, experience, knowledge, skill, and responsibility. Enlisted rates are divided into three groups: general rates (E-1 through E-3 apprenticeships), petty officers (E-4 through E-6), and chief petty officers (E-7 through E-9).

(a) General rates are apprenticeships assigned to personnel at paygrades E-1 through E-3 to indicate their eligibility for entry into various ratings. These apprenticeships are: Airman (AN), Constructionman (CN), Fireman (FN), Hospitalman (HN), and Seaman (SN).

1. Non-designated Sailors are personnel in paygrades E-1 through E-3 who are not selected to enter a specific rating.

2. Designated Sailors are personnel in paygrades E-1 through E-3 who are identified as apprentices for a specific rating. Designation identifies the rating in which an apprentice has significant skills as a result of on-the-job experience or formal classroom training, and indicates basic occupational skills on a par with the minimum skills for paygrade E-4 in the rating for which identified. A rating abbreviation is added to an apprentice's general rate abbreviation to indicate the rating for which the individual is designated (e.g., a SN who demonstrates significant skills in the Electronics Technician (ET) rating would be designated by the rating abbreviation, ETSN). Details for PACT program are in *Naval Military Personnel Manual, NAVPERS 15560 Article 1306-611*.

(b) Petty Officers (paygrades E-4, E-5, and E-6) are the technicians and work managers within ratings who possess increasing degrees of skill responsibility and authority as they advance in paygrade. Petty officers are capable of accomplishing tasks normal to their rating and paygrade and they provide the "hands on" skills required to maintain, repair, and operate systems and subsystems.

(c) The Chief Petty Officers (CPO) (paygrades E-7, E-8, and E-9).

1. The Chief Petty Officers (CPO) (paygrades E-7) is the technical authority, expert, and supervisor within a rating. The CPO is capable of accomplishing all tasks normal to a rating using technical supervision, instruction, and training of lower rated personnel.

2 The Senior Chief Petty Officer (SCPO) (paygrade E-8) is the senior technical supervisor within a rating or occupational field with primary responsibilities for supervising and training enlisted personnel oriented to system and subsystem maintenance, repair, and operation. Based on wide ranging experience and specialized training, the SCPO provides the command with a higher level of technical and managerial expertise than is expected at the E-7 level.

3. The Master Chief Petty Officer (MCPO) (paygrade E-9) is the senior enlisted petty officer in the United States Navy. As such, the MCPO is vested with special command trust and confidence extending to administrative and managerial functions involving enlisted personnel. Based upon experience, proven performance, and technical knowledge necessary for advancement to the grade of MCPO, individuals of that rate within a command hold the senior enlisted positions

and contribute to forming as well as implementing policy within their occupational field or across the full Navy rating spectrum.

(d) The Command Master Chief (CMDCM) or Command Senior Chief (CMDCS) ratings do not reflect a paygrade higher than E-9/E-8 but does identify the MCPO/SCPO who serves as the senior enlisted advisor to the command in formulating and implementing policies pertaining to the morale, utilization, and training of all enlisted personnel. As such, the CMDCM/CMDCS has direct access to the Commanding Officer. Additionally, the CMDCM/ CMDCS is responsible for carrying out established command policy in specific areas as directed by the Commanding Officer and Executive Officer. The CMDCM/CMDCS takes precedence over all enlisted members within a command.

2. The Navy Enlisted Classification (NEC) Structure supplements the enlisted rating structure by identifying a non-rating wide skill/knowledge/aptitude/qualification that must be documented to identify both people and billets for management purposes. Volume II of this manual contains a more detailed explanation of the NEC structure.

3. Enlisted management communities encompass both Navy ratings and NEC codes that individually or as a group form a Navy "community" for management purposes. These communities are used by managers for issues such as the distribution, retention or advancement of personnel. The career paths presented may also serve as a useful guidance tool for individuals planning career decisions.

STANDARDS

The term Standards as used in this manual is defined as the systematic listing of those minimum capabilities which the Navy expects and requires of individuals with each rating. Standards are generally expressed in terms of task statements (duties and responsibilities) and they represent the abilities, skills, and knowledge needed to accomplish those tasks, duties, and responsibilities. Within the Navy, these standards are divided into two categories: Naval Standards (NAVSTDs) and Occupational Standards (OCCSTDs).

Collectively, these standards occupationally define the work performed by enlisted personnel. Both NAVSTDs and OCCSTDs are developed, revised, and maintained by the Navy Manpower Analysis Center (NAVMAC). NAVMAC coordinates standards revisions Navy-wide. Appendix E is the list of Rating Advisors responsible for reviewing and approving of OCCSTDs. Appendix F of this manual contains the criteria and guidelines for recommending changes to the standards.

1. Naval Standards (NAVSTDs) are standards that generally express the non-rating specific skill and knowledge requirements for enlisted personnel in paygrades E-1 through E-9 (e.g., all E-6 personnel must know how to write enlisted performance evaluations).

a. NAVSTDs together with occupational standards form the basis for implementing and supporting actions for enlisted manning, distribution, recruit training, military requirements training, and advancement.

b. NAVSTDs are stated in the form of skill or knowledge statements to assist enlisted personnel, commanding officers, and personnel managers in identifying the basic military requirements for all enlisted personnel, paygrades E-1 through E-9.

c. NAVSTDs express requirements for skill or knowledge and abilities which individuals must be proficient in even though their present duty assignment may not require the use of that skill or knowledge. Enlisted personnel are required to demonstrate the capability to perform a skill or their attainment of knowledge described by a Naval Standard as part of their advancement process.

d. The more routine skill or knowledge requirements described by NAVSTDs are at the lower paygrades. Those skill or knowledge statements requiring additional experience or involving leadership or supervision are at progressively higher paygrades.

e. NAVSTDs include, at the appropriate paygrades, specific knowledge requirements in the areas of security and safety.

f. The following NAVSTDs format is used in this manual:

(1) They are grouped under Apprentices (paygrades E-1 and E-3) and Petty Officer Third Class (paygrade E-4) through Master Chief Petty Officer (paygrade E-9).

(2) Functional areas are used to provide a standardized grouping of similar NAVSTDs for the various paygrades.

2. Occupational Standards (OCCSTDs) express the Navy's minimum requirements for enlisted occupational skills established by manpower and personnel managers. They, along with NAVSTDs, form the basis for implementing and supporting actions for enlisted manning, distribution, training, and advancement. OCCSTD tasks are referred to as “CORE” tasks in the chapters published in this manual. NON-CORE tasks are also included in some updated Occupational Rating Standards in order to better define the work being performed by the fleet which is not required of all rating personnel (e.g., NEC, collateral duties, watches, etc.).

a. OCCSTD skills required of rates and ratings are stated in the form of task statements to assist enlisted personnel, commanding officers, manpower managers, and personnel managers in identifying the basic occupational content of rates and ratings. Some OCCSTDs require successful completion of specific skills tests.

b. OCCSTDs state what enlisted personnel must do in their rate or rating. The knowledge required to perform a task is inherent to the proper performance of the task. Development of specific knowledge to support OCCSTDs falls under the purview of Navy training commands.

c. OCCSTDs are minimum essential tasks and general responsibility levels required of a majority of personnel in a rate. Although they may not be performed by the majority of personnel in a rate at any given time, they are still applied to all members of a rate. The more routine tasks are at the lower paygrades. The more difficult tasks and tasks requiring additional experience or involving leadership and supervision are at progressively higher paygrades.

d. OCCSTDs do not limit the utilization of personnel or ratings as to performance of duty. Personnel of any rate or rating may be required by higher authority to perform any task or duty, depending on local circumstance.

e. OCCSTDs generally exclude the broad area of security. All Navy personnel are responsible for the security regulations in DoD Publication 5200.1-R, OPNAVINST 5510 series, and items on security which are described by the NAVSTDs in this manual. Specific security related OCCSTDs are included in those ratings requiring special emphasis on security.

f. OCCSTDs contain no specific reference to safety or Operational Risk Management (ORM) in the performance of required tasks. Observing safety precautions and practicing risk management is inherent to the satisfactory performance of a task.

g. The following OCCSTDs format is used in this manual:

(1) Title, abbreviation, and specialty mark identified with the rating.

(2) Rating Scope is a brief statement of the occupational content of general and service ratings. The scope is all encompassing and includes responsibilities normal to the rating.

(3) Career Pattern is a diagram of the normal advancement path from apprentice to master chief petty officer.

(4) Directives information on Chief Warrant Officer and Limited Duty Officer categories.

(5) Rating entry requirements (MILPERSMAN 1306-618) describe the special physical, citizenship, security, and other requirements for the rating, if applicable.

(6) Safety Statement is a universal self-explanatory statement for all ratings.

h. OCCSTDs, together with NAVSTDs, are patterned to present the *total career progression* from paygrades E-4 through E-9 for general ratings and service ratings. For example:

(1) The general rating of Boatswain's Mate (BM) has no service ratings. The BM OCCSTDs commence at paygrade E-4 and progress through paygrade E-9.

(2) The general rating of Aviation Boatswain's Mate (AB) and its three service ratings, ABE, ABF, and ABH have individual OCCSTDs at paygrades E-4 through E-8 and common AB OCCSTDs at paygrade E-9.

3. Job specific tasks (NON-CORE) express additional requirements for enlisted occupational skills expected from a sailor performing in a specific job or billet. They, along with NEC specific tasks, form the basis for implementing and supporting actions for enlisted manning, distribution, training, and advancement.

NAVAL STANDARDS

E1 through E9

Naval Standards (NAVSTDs) are skills and knowledges, other than those defined by Occupational Standards (OCCSTDs), which are essential to the overall effectiveness of enlisted personnel in the performance of duty; NAVSTDs encompass military requirements; essential virtues of pride of service in support of oath of enlistment; maintenance of good order and discipline; and basic skills and knowledges, pertaining to the well-being of Navy personnel, which directly contribute to the mission of the Navy.

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A. WATCHSTANDING AND WATCH, QUARTER, AND STATION BILL

B. SEAMANSHIP (DELETED; TASKS ABSORBED IN OTHER FAs)

C. DRILL AND FORMATION

D. UNIFORMS

E. FORCE PROTECTION

F. WATCHSTANDING (DELETED; TASKS ABSORBED INTO FA 'A')

G. COMMUNICATIONS

H. SHIPS & AIRCRAFT CHARACTERISTICS

I. SAFETY

J. FIRST AID & HEALTH

K. SURVIVAL

L. CHEMICAL, BIOLOGICAL, RADIOLOGICAL, NUCLEAR AND HIGH-YIELD EXPLOSIVES (CBRNE)

M. DAMAGE CONTROL

N. MATERIAL PRESERVATION AND MAINTENANCE

O. MILITARY JUSTICE

P. CAREER INFORMATION

Q. TRAINING

R. MANAGEMENT/ADMINISTRATION

S. SEA POWER AND INTERNATIONAL AGREEMENTS

T. CUSTOMS, TRADITIONS AND COURTESIES

U. ORGANIZATION

V. LEADERSHIP/SUPERVISION

W. INTERNATIONAL AGREEMENTS (DELETED, TASKS ABSORBED INTO FA 'S')

X. SECURITY REQUIREMENTS

Y. PROGRAMS AND POLICIES

Z. HAZARDOUS MATERIALS

E1

Naval Standards by Functional Area

A	**WATCHSTANDING AND WATCH, QUARTER, AND STATION BILL**
A003	Define command-specific watch organization guidelines and procedures
A004	Describe the purpose and content of watch, quarter, and station bills
A009	Stand inport watches
A012	State the duties and responsibilities of an Armed Sentry
A013	State the eleven general orders of the sentry
C	**DRILL AND FORMATION**
C016	Execute individual positions and facing movements
C017	Execute procedures for close order drill
D	**UNIFORMS**
D022	Define organizational clothing
D023	Define the terms complementary appearance, professional military appearance, and uniform distraction as they apply to Navy uniforms
D025	Describe the requirements for maintaining a seabag
D026	Describe the uniform requirements while traveling
D027	Explain and demonstrate how to wear Navy enlisted uniforms
D028	Explain how to wear Petty Officer (PO) insignias
D029	Explain the purpose of and qualifications required to earn and wear the service stripes
D030	Explain the regulations concerning Department of Defense (DoD) Common Access Card (CAC) military identification and ID tags (i.e., dog tags)
D031	Explain the regulations concerning Navy's grooming standards
D032	Explain the regulations for upkeep, wearing, and marking of organizational and special clothing
D033	Explain the regulations for wearing authorized military awards and breast insignias
D034	Explain the rules for wearing uniforms to political activities, commercial interest, public speeches or rallies
D035	Identify rank insignias and collar devices of Navy enlisted ratings
D036	Identify rank insignias and collar devices of Navy Officers
D037	Identify rank insignias and collar devices of other Armed Services
D038	Identify uniform inventory requirements for seabag inspections
D039	Maintain a seabag
D040	Maintain Navy grooming standards
D042	Properly wear and maintain Navy enlisted uniforms
E	**FORCE PROTECTION**
E044	Define and perform responsibilities specific to each Force Protection Condition (FPCON)
E045	Demonstrate proper operation of service pistol and shotgun

E	**FORCE PROTECTION (CONT'D)**
E046	Describe the basic requirements and procedures pertaining to a bomb threat
E047	Describe the safeguards against acts of terrorism and victimizations
E048	Describe the safeguards against terrorism while traveling and in foreign countries
E049	State basic procedure to clear and safe a weapon
E050	State required Personal Protective Equipment (PPE) when firing small arms or in the vicinity of personnel who are firing small arms
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H062	Describe the purpose of and safety locations around Navy ships and aircraft
H065	Locate decks and compartments using ship compartment lettering and numbering systems
H066	Use deck and boat seamanship terminology
I	**SAFETY**
I068	Demonstrate general weapons safety
I069	Demonstrate standard issue Personal Protective Equipment (PPE) donning and doffing procedures (less damage control/firefighting equipment)
I070	Describe and adhere to the safety precautions when working with or in the vicinity of personnel aloft or over the side
I071	Describe and demonstrate Navy tag-out procedures
I072	Describe and perform basic/seamanship line handling procedures, observing appropriate safety precautions
I073	Describe and perform procedures for reporting safety hazards and violations
I074	Describe and perform safety precautions when divers are operating in the vicinity of a ship
I075	Describe and perform safety precautions/actions when suspicious mail is encountered
I076	Describe and perform the safety precautions when operating motor vehicles and motorcycles
I077	Describe and perform the safety precautions when working with or in the vicinity of acids, bases, and flammable liquids
I078	Describe and perform the safety precautions when working with or in the vicinity of aircraft
I079	Describe and perform the safety precautions when working with or in the vicinity of antennas

I	**SAFETY (CONT'D)**
I080	Describe and perform the safety precautions when working with or in the vicinity of compressed air
I081	Describe and perform the safety precautions when working with or in the vicinity of compressed gases
I082	Describe and perform the safety precautions when working with or in the vicinity of cutting and welding operations
I083	Describe and perform the safety precautions when working with or in the vicinity of electrical and electronic equipment
I084	Describe and perform the safety precautions when working with or in the vicinity of Electromagnetic Radiation (EMR)
I085	Describe and perform the safety precautions when working with or in the vicinity of fiberglass and asbestos
I086	Describe and perform the safety precautions when working with or in the vicinity of heavy weight and moving equipment
I087	Describe and perform the safety precautions when working with or in the vicinity of high noise levels
I088	Describe and perform the safety precautions when working with or in the vicinity of lifelines, ladders, and scaffolding
I089	Describe and perform the safety precautions when working with or in the vicinity of liquids under pressure
I090	Describe and perform the safety precautions when working with or in the vicinity of power tools
I091	Describe and perform the safety precautions when working with or in the vicinity of pyrotechnics
I092	Describe and perform the safety precautions when working with or in the vicinity of rotating machinery
I093	Describe and perform the safety precautions when working with or in the vicinity of shipyards and dry docks
I094	Describe and perform the safety precautions when working with or in the vicinity of steam
I095	Describe and perform the safety precautions when working with or in the vicinity of suspended loads
I096	Describe and perform the safety precautions when working with or in the vicinity of voids, tanks, and closed compartments
I097	Describe the basic duties of a divisional Safety Petty Officer (SPO)
I098	Describe the dangers involved when handling a charged fire hose
I099	Describe the dangers of and perform the safety precautions when energizing and using electrical equipment in a space filled with explosive vapors
I100	Describe the hazards of and demonstrate the procedures for using fire extinguishing agents (e.g., Carbon Dioxide (CO_2), Potassium Bicarbonate (Purple-K Powder (PKP)), Halon, etc.) while wearing breathing protection
I101	Describe the hazards of and perform the safety precautions when working in the vicinity of flight deck operations

I **SAFETY (CONT'D)**

I102 Describe the precautions when handling and stowing fire extinguishers

I103 Describe the purpose and function of the command's safety council and safety committee

I104 Describe the purpose of the Navy Safety and Occupational Health Program

I106 Explain the safety precautions to be used when involved in sporting and recreational events

I108 Identify Operational Risk Management (ORM) concepts

I110 Identify the safety precautions to be used when embarked in small boats

I112 Know the basic safety rules in handling fire arms

I113 Maintain standard issue Personal Protective Equipment (PPE) (less damage control/firefighting equipment)

I114 Perform levels of readiness for chemical/biological agent attack utilizing the chemical, biological, and radiological defense procedures

J **FIRST AID & HEALTH**

J117 Adhere to Perform Health Protection Condition (HPCON) level-specific responsibilities

J118 Control external bleeding with direct pressure

J119 Define responsibilities of each Health Protection Condition (HPCON) level

J120 Demonstrate procedures for controlling massive hemorrhaging with a tourniquet

J122 Demonstrate procedures for treating burns

J123 Describe and perform the procedures for rescuing a person in contact with an energized source

J124 Follow prescribed procedures for preventing Sexually Transmitted Disease (STD) infections

J125 Identify activities that maintain personal hygiene, health, and fitness

J126 Identify injuries requiring battle dressing applications

J127 Identify signs of a person suffering from an altered mental status (e.g., disorientation, dizziness, imbalance, incoordination, etc.)

J128 Identify signs of and state proper procedures for responding to suicidal-related behaviors

J129 Identify the principles of and perform basic first aid (e.g., burns, non-electrical shock, choking, bleeding, poison, cold/heat injuries, etc.)

J130 Identify the signs and symptoms of heat injuries

J131 Maintain good dental (oral) hygiene

J132 Maintain personal hygiene, health, and fitness

J133 Maintain sanitary conditions in and around living and working spaces

J134 Perform injury-related battle dressing applications

J135 Perform required procedures when transporting injured persons

J136 Recognize the signs and symptoms of and follow procedures for reporting Sexually Transmitted Disease (STD) infections

J137 Recognize the symptoms of drug and alcohol abuse

J	**FIRST AID & HEALTH (CONT'D)**
J138	Report instances of drug and alcohol misuse
J139	Report instances of suicidal thoughts or actions in others and self
J140	State the benefits of abstinence and barrier devices for reproductive health
J141	Treat heat injuries
J121	Demonstrate procedures for treating a person for electrical shock
K	**SURVIVAL**
K142	Demonstrate how to care for and use personal floatation devices
K143	Demonstrate how to use clothing and buoyant objects to stay afloat
K144	Demonstrate technique for swimming through burning fuel, oil, and debris
K145	Describe and demonstrate how to don and adjust standard issue Carbon Dioxide (CO_2) inflatable and inherently buoyant life preservers
K146	Describe functional characteristics of Carbon Dioxide (CO_2) inflatable life preserver
K147	Describe the methods and procedures for abandoning ship
K148	Describe the responsibilities and authority of the senior person in a survival situation
K149	Egress from working, berthing, and General Quarters (GQ) spaces
K150	Enter water from a height of ten feet using abandon ship procedures
K151	Perform floating technique using buoyant debris such as shoring and buckets
K152	Perform third class swimmer qualifications
K153	State how to use lifeboats and associated survival gear
L	**CHEMICAL, BIOLOGICAL, RADIOLOGICAL, NUCLEAR AND HIGH-YIELD EXPLOSIVES (CBRNE)**
L154	Define the markers used to indicate Chemical, Biological, Radiological, Nuclear and High-Yield Explosives (CBRNE) contamination
L155	Define the terms: radiation dose, radiation dose rate, and material condition of "Circle William"
L156	Demonstrate the use of standard issue equipment and clothing to protect against Chemical, Biological, Radiological, Nuclear and High-Yield Explosive (CBRNE)
L157	Describe how to maintain and use standard issue Chemical, Biological, Radiological, Nuclear and High-Yield Explosive (CBRNE) protective equipment
L158	Describe the symptoms of Chemical, Biological, Radiological, Nuclear and High-Yield Explosive (CBRNE) exposure
L159	Perform self-aid methods for Chemical, Biological, Radiological, Nuclear and High-Yield Explosive (CBRNE) in the event of exposure
L160	State how to perform self-aid methods for Chemical, Biological, Radiological, Nuclear and High-Yield Explosive (CBRNE) exposure
L161	State the dissemination methods of decontamination procedures for chemical and biological agents
L162	State the procedures for personnel decontamination
L163	State the procedures for protection afforded by each level of Mission Oriented Protective Posture (MOPP)

M	DAMAGE CONTROL
M164	Define the duties and responsibilities of a repair party
M165	Define the fire triangle and fire tetrahedron in terms of fire prevention and firefighting
M166	Define the purpose of Fire Team leaders
M168	Demonstrate how to stow damage control equipment
M169	Demonstrate the function and use of standard issue Self-Contained Breathing Apparatus (SCBA)

M	DAMAGE CONTROL (CONT'D)
M170	Describe the conditions that cause spontaneous combustion
M171	Describe the functions and purposes of the Damage Control (DC) organization
M172	Describe the number and location of Damage Control (DC) repair stations on assigned Navy ship
M173	Explain the purpose for compartmentation and its use in maintaining watertight integrity
M174	Extinguish fires using portable and installed shipboard fire extinguishing systems and equipment
M175	Identify location of damage control fittings and equipment within compartments using compartment check-off lists
M176	Identify the recommended extinguishing agents for each class of fire
M178	Properly don and operate standard issue Self-contained Breathing Apparatus (SCBA)
M179	Set and maintain primary and secondary fire, smoke and flooding boundaries
M180	State and demonstrate how to use and stow standard issue Emergency Escape Breathing Devices (EEBD) and/or Emergency Air Breathing (EAB) devices
M181	State how to determine the four classes of fire
M182	State how to prevent fires through housekeeping practices
M183	State how to report a fire or other casualties
M184	State procedures for establishing safe routes during casualty situations
M185	State the actions to take when emergency alarms are sounded
M186	State the contents and proper use of items in a shipboard Damage Control (DC) locker
M187	State the duties and responsibilities of a damage control emergency party
M188	State the hazards associated with firefighting
M189	State the meanings and reasons for setting Navy material conditions of readiness (e.g., X-ray, Yoke, Zebra, Dog Zebra, Circle William, etc.)
M190	State the methods and procedures for communications in a damage control situation
M191	State the procedures for breaking watertight integrity and darken ship
M192	State the procedures for operation of portable and installed dewatering equipment
M193	State the procedures for using portable or installed fire extinguishing systems
M194	State the purpose of general shipboard emergency alarms

N	**MATERIAL PRESERVATION AND MAINTENANCE**
N195	Clean, paint, and/or preserve required surfaces onboard Navy vessels and at shore facilities
N196	Identify fixtures, devices and surfaces to which paint or liquid cleaners should not be applied
N197	Maintain preservation material inventories (e.g., paint, paint removers/strippers, metal cleaners and polishing compounds, etc.)
N198	State the purposes of cleaning and preservation
O	**MILITARY JUSTICE**
O200	Define the content and responsibilities stated in Article (i) through (vi) of the Code of Conduct for members of the Armed Forces of the United States
O202	Define the procedures for redress of grievances
O203	Describe the concepts of Navy Core Values
O204	Describe the purpose of the liberty risk program
O206	Describe the requirements for and the benefits and consequences of various types of military discharges
O207	Explain the general content of Navy Regulations, Chapter 8 (Articles 0801-0803, 0810-0816, 0825-0826, 0829-0830, 0834 and 0835) and Chapter 10
O208	Explain the general content of Uniform Code of Military Justice (UCMJ) Articles 2, 3, 7-15, 25, 27, 31(b), 37, 55, 77-134, 137-138
O210	Explain the purpose of good order and military discipline
O211	Inform Chain of Command (CoC) on matters pertaining to good order and discipline
O215	State the types of courts-martial
P	**CAREER INFORMATION**
P216	Apply financial management practices
P220	Define importance of managing personal finances
P221	Define the purpose of the enlisted personnel performance evaluation system
P224	Describe how to prepare and route liberty requests (NAVPERS 1336 series)
P225	Describe how to prepare leave requests via the Navy Standard Integrated Personnel System (NSIPS)
P226	Describe military pay entitlements and the contents of leave and earning statements
P227	Describe the benefits of Department of Defense government insurance (e.g., Servicemembers' Group Life Insurance (SGLI))
P231	Describe the function of the Command Career Counselor (CCC)
P234	Describe the options for special programs and/or assignments
P235	Describe the policy regarding personal responsibilities and consequences of drug and alcohol abuse

P	**CAREER INFORMATION (CONT'D)**
P237	Describe the programs that lead to Navy Officer commissions
P238	Describe the purpose and components of the Navy's primary personnel and online training websites (e.g., Navy Standard Integrated Personnel System (NSIPS), Navy E-Learning (NeL), MyPay, etc.)
P239	Describe the purpose and procedures of a Career Development Board (CDB)
P240	Describe the purpose and procedures of the Navy Career Waypoints (C-WAY) program
P243	Describe the requirements for the good conduct medal
P244	Describe the rights, privileges, and benefits afforded to Sailors and their family members
P245	Describe the roles and functions of the Chief Petty Officer (CPO), Senior Chief Petty Officer (SCPO), and Master Chief Petty Officer (MCPO)
P252	Maintain Navy Standard Integrated Personnel System (NSIPS) account
P255	Prepare and route leave requests via the Navy Standard Integrated Personnel System (NSIPS)
P256	Prepare and route liberty requests (NAVPERS 1336 series)
P265	State the procedures and regulations governing leave and liberty requests
P267	Understand the roles and functions of Master Chief Petty Officer of the Navy (MCPON), Fleet/Force Master Chief (FLTCM/FORCM), Command Master Chief (CMDCM), and Command Senior Chief (CMDCS)
Q	**TRAINING**
Q269	Describe the function of the departmental and division Training Petty Officer (TPO)
Q270	Describe the function of the Educational Services Officer (ESO)
Q271	Describe the function of the Personnel Qualification Standard (PQS) system
Q272	Describe the procedures for accessing personal military experience and training information portals (e.g., Joint Service Transcript (JST), Electronic Service Record (ESR), Electronic Training Jacket (ETJ), etc.)
Q273	Describe the procedures for accessing rating-specific Learning and Development Roadmap (LaDR) documents
Q275	Describe the purpose for and utilization of the Navy's Learning and Development Roadmap (LaDR)
Q276	Describe the role of Coalition of Sailors Against Destructive Decisions (CSADD) in the command's training program
Q279	Explain the procedures for submitting personal military experience and training history information (e.g., Joint Service Transcript (JST), Electronic Service Record (ESR), Electronic Training Jacket (ETJ), etc.)
Q280	Explain the purpose of General Military Training (GMT)
Q281	Identify opportunities to reach education and career goals through the Navy Voluntary Education (VolEd) program
Q284	Participate in scenario-based/hands-on training
Q291	Understand the increased risk of "high risk" training

Q	**TRAINING (CONT'D)**
Q292	Utilize basic computer applications (e.g., word processors, spreadsheets, desktop publishing, electronic mail, electronic calendars, etc.)
Q293	Utilize online Navy information service portals (e.g., Navy Standard Integrated Personnel System (NSIPS), Navy E-Learning (NeL), MyPay, etc.)
Q294	Verify personal qualification records
R	**MANAGEMENT/ADMINISTRATION**
R305	Maintain logs and files
R308	Perform basic maintenance procedures (e.g., maintenance actions documentation, schedule reviews, etc.)
R314	Prepare Temporary Assigned Duty (TAD) travel requests/orders and vouchers (e.g., Defense Travel System (DTS), Navy Reserve Order Writing System (NROWS))
S	**SEAPOWER AND INTERNATIONAL AGREEMENTS**
S327	Describe the components of United States sea power: Navy, Merchant Marine, Coast Guard, and Military Sealift Command
S328	Describe the general provisions of the Geneva Convention concerning treatment and rights of Prisoners of War
S329	Describe the general provisions of the Law of Armed Conflict
S330	Describe the Navy's peacetime and wartime roles, missions, responsibilities, and challenges
S331	Discuss general Naval history and the evolution of today's Navy
T	**CUSTOMS, TRADITIONS AND COURTESIES**
T332	Describe ensign and jack handling procedures
T333	Describe how, when, and to whom the hand salute is rendered
T334	Describe national ensign etiquette
T336	Describe the procedures for conducting colors
T338	Describe the traditions related to uniforms and Navy jargon (e.g., scuttlebutt, head, etc.)
T339	Know and recite the National Anthem
T340	Know and recite the Pledge of Allegiance
T341	Know and recite the Sailor's Creed
T342	Perform courtesies afforded junior, midgrade, and senior enlisted/officers
T343	Perform military courtesies when a Foreign National Anthem is played
T344	Perform military courtesies when boarding and leaving a Naval vessel
T345	Perform military courtesies when crossing or being in the vicinity of the quarterdeck
T346	Perform military courtesies when honors are being rendered
T347	Perform military courtesies when the national ensign passes and/or when the National 8 Anthem or Navy Service song is played
T348	Tie four basic knots: bowline, clove hitch, square knot, and bowline on a bight

U	**ORGANIZATION**
U351	Describe the purpose, roles, and duties of the Work Center Supervisor
U352	Explain the purpose and function of the Chain of Command (CoC)
U356	Summarize scope and purpose of the Navy's Standard Organization and Regulations Manual (SORM)
U357	Summarize the content of the command's Standard Organization and Regulations Manual (SORM)
V	**LEADERSHIP/SUPERVISION**
V381	Define the role and responsibility of the Navy's Substance Abuse Rehabilitation Program/Drug And Alcohol Programs (SARP/DAPA)
V384	Describe Command Managed Equal Opportunity (CMEO) program and policies
V386	Describe the authority and responsibility of a Petty Officer (PO), Chief Petty Officer (CPO), and Officer
V387	Describe the benefits of pride, professionalism, personal excellence and community support programs
V388	Describe the purpose of followership and leadership
V405	Know the command's Substance Abuse Rehabilitation Program/Drug And Alcohol Programs advisors (SARP/DAPA)
V411	Participate in process improvement activities (e.g., Lean Six Sigma, Four Disciplines of Execution (4DX), etc.)
X	**SECURITY REQUIREMENTS**
X450	Define security requirements regarding visitors with and without visit clearances
X451	Define the basic security policies, requirements and procedures for handling classified material and information
X452	Define the basic security requirements and procedures pertaining to Information Systems (IS)
X453	Define the difference between official and unofficial Internet-based Capability (IbC) posts
X455	Describe the responsibilities in handling command critical information
X456	Explain the basic requirements and procedures pertaining to telephone security
Y	**PROGRAMS AND POLICIES**
Y460	Cite the reporting procedures for sexual assault
Y461	Define how to communicate with elected officials
Y463	Define the Department of Defense (DoD) policy for trafficking in persons
Y465	Define the function of the command's Equal Opportunity Advisor (EOA)
Y466	Define the Navy Equal Opportunity (EO) policy (OPNAVINST 5354.1 series)
Y467	Define the Navy's fraternization policy (OPNAVINST 5370.2 series)
Y468	Define the Navy's zero tolerance policy
Y469	Define the process for requesting an immunization or Deoxyribonucleic Acid (DNA) waiver based on a Sailor's religious objection

Y	**PROGRAMS AND POLICIES**
Y471	Describe how an individual's role in Operations Risk Management (ORM) is vital to mission success
Y472	Describe Navy regulations on tattoos, body art, and brands
Y473	Describe the basic fundamentals of Quality Assurance (QA)
Y477	Describe the meaning of risk-to-mission, risk-to-force, and risk-to-self
Y479	Describe the procedures for state and national voting
Y480	Describe the provisions of the Navy Family Ombudsman Program
Y481	Describe the provisions of the Navy Pride and Professional (NP&P) program (e.g., fraud, waste, abuse; Navy Core Values; equal opportunity, etc.)
Y482	Describe the provisions of the Privacy Act of 1974
Y483	Describe the purpose of the Department of Defense (DoD) Family Advocacy Program (FAP)
Y484	Describe the purpose of the Department of Defense (DoD) Victim/Witness Assistance Program (VWAP)
Y485	Describe the purpose of the Navy Physical Readiness Program (PRP) (OPNAVINST 6110.1 series)
Y486	Describe the purpose of the Navy's energy conservation program
Y487	Describe the purpose of the Navy's Mentorship Program
Y488	Describe the purpose of the Navy's Sexual Assault Prevention and Response (SAPR) program
Y490	Describe the sources of services available to Sailors and their family members
Y491	Describe the standards of conduct and professional ethics
Y492	Explain the Navy's policy on hazing (SECNAVINST 1610.2 series)
Y495	Explain the purpose of the Navy's Sponsorship Program
Y496	Identify command response procedures of sexual assault incidents
Y500	Identify the controls for environmental conditions and pollution (e.g., plastics-at-sea, ozone depletions, etc.)
Y502	Identify the most prevalent factors in perpetration of sexual assault incidents
Y503	Know whom in the command to communicate religious accommodation requests
Y506	State the definition of and policies pertaining to sexual harassment
Y508	Understand the Navy's Brilliant on the Basics component programs
Z	**HAZARDOUS MATERIALS**
Z509	Clean Hazardous Material (HAZMAT) associated containers
Z510	Define the proper procedures for and associated safety precautions when working with Hazardous Material (HAZMAT)
Z511	Describe the purpose of a Ships Hazardous Materials List (SHML)
Z512	Dispose of used absorbents (e.g., speedy dry, rags, etc.)
Z513	Dispose of used, excess, or spilled Hazardous Material (HAZMAT)

Z	**HAZARDOUS MATERIALS (CONT'D)**
Z514	Explain how to clean and stow painting equipment
Z515	Identify types of preservative coatings and the surfaces upon which they are used
Z516	State the proper procedures for and associated safety precautions when in the vicinity of the removal, handling, or stowage of Hazardous Material (HAZMAT)
Z517	Utilize the Safety Data Sheet (SDS), labels, signs, and symbols to identify Hazardous Material (HAZMAT)

E2

Naval Standards by Functional Area

H	**SHIPS & AIRCRAFT CHARACTERISTICS**
H059	Describe the capabilities and limitations of assigned Navy ships and aircraft
H060	Describe the difference between the primary and support functions of the repair locker
H063	Identify Navy ship hull nomenclatures, superstructures, and components
H064	Identify types of Navy ships and aircraft
P	**CAREER INFORMATION**
P241	Describe the purpose of various force shaping programs (e.g., Sailor 2025)
P242	Describe the requirements for advancement of Professional Apprentice Career Track (PACT) personnel
P259	Provide evaluation input sheet (e.g., brag sheet)
R	**MANAGEMENT/ADMINISTRATION**
R301	Describe the purpose of maintenance programs (e.g., Personnel Qualification Standard (PQS) 301, Collateral Duty Inspection (CDI), Quality Assurance Representative (QAR), etc.)
R321	Qualify to perform maintenance (e.g., Personnel Qualification Standard (PQS) 301, Collateral Duty Inspection (CDI), Quality Assurance Representative (QAR), etc.)
U	**ORGANIZATION**
U349	Describe Navy ship watch stations and functions
X	**SECURITY REQUIREMENTS**
X457	Summarize the authority and function of Military Police, Shore Patrol, and Armed Sentries
X459	Understand and employ Operations Security (OPSEC)
Y	**PROGRAMS AND POLICIES**
Y489	Describe the requirements for records management

P	**CAREER INFORMATION**
P222	Define the requirements for advancement in rate and selection of Petty Officers (PO)
P230	Describe the function and use of Navy Enlisted Classification (NEC) codes
P233	Describe the incentives for reenlistment and special duty
P257	Prepare commissioning program application
P263	Research Limited Duty Officer (LDO) and Chief Warrant Officer (CWO) commissioning eligibility requirements
Q	**TRAINING**
Q274	Describe the purpose and benefits of the Navy College Program (NCP)
Q282	Identify the requirements for Tuition Assistance (TA)
R	**MANAGEMENT/ADMINISTRATION**
R322	Requisition supplies and materials through the Navy supply system

E4

Naval Standards by Functional Area

A	**WATCHSTANDING AND WATCH, QUARTER, AND STATION BILL**
A010	Stand Petty Officer (PO) military watches (e.g., Petty Officer of the Watch (POOW), Master-at-Arms (MAA), Shore Patrol, etc.)
I	**SAFETY**
I111	Instruct personnel in work-related hazards, safety precautions, and in the use and maintenance of Personal Protective Equipment (PPE) and clothing
M	**DAMAGE CONTROL**
M167	Define the shipboard piping identification coding system
M177	Make damage control closure log entries
O	**MILITARY JUSTICE**
O209	Explain the proceedings leading to Captain's Mast
P	**CAREER INFORMATION**
P217	Apply for requisitions (e.g., Permanent Change of Station (PCS) via MyNavy Assignment)
P218	Assist in indoctrinating newly reporting personnel (e.g., active/reserve junior personnel, civilian familiarization with Navy culture, etc.)
P223	Define the types of duty classification codes
P229	Describe the contents of and how to access the Official Military Personnel File (OMPF)
P236	Describe the programs for awards, commendations, and personnel recognition
P250	Explain the purpose and scope of the Department of Defense/Navy (DoD/DON) fleet reserve, High Year Tenure (HYT), and retirement programs (e.g., traditional, Blended Retirement System (BRS))
P262	Provide Navy career information to junior personnel
P264	State the opportunities for rating-/military-specific education and training
R	**MANAGEMENT/ADMINISTRATION**
R302	Explain the responsibility of signature (by direction) authority
R304	Identify the components of a Naval message
R306	Maintain manuals, publications, and directives
R312	Prepare Naval correspondence
T	**CUSTOMS, TRADITIONS AND COURTESIES**
T337	Describe the traditions related to ceremonies and honors
U	**ORGANIZATION**
U353	Identify names, abbreviations, and associated missions of Navy commands

V	**LEADERSHIP/SUPERVISION**
V361	Apprise immediate supervisors of subordinates' performance
V365	Assess progress of and provide immediate feedback on subordinates' job performance
V385	Describe Navy process improvement strategies such as just-in-time training, Continuous Process Improvement (CPI), and human resource management (e.g., Sailor 2025, Airspeed, MyNavy HR, etc.)
V390	Determine availability of supplies, equipment, and tools required by subordinates
V397	Evaluate completed assignments of subordinates for quality, completeness, and timeliness
V400	Evaluate subordinates' suggestions to improve job performance and make appropriate recommendations to immediate supervisor
V403	Identify the fundamentals of leadership
V428	Provide rating-specific expertise to subordinates
V433	Report job progress to immediate supervisor
V434	Resolve conflicts or differences between subordinates
V441	Translate assignments from the immediate supervisor into specific tasks for subordinates (e.g., repair team, work party, watch, etc.)
V448	Verify subordinates are using Operational Risk Management (ORM) while accomplishing tasks
Y	**PROGRAMS AND POLICIES**
Y504	Provide information services available to Sailors and their families (e.g., financial literacy, marriage and family counseling, religious services, etc.)

A	**WATCHSTANDING AND WATCH, QUARTER, AND STATION BILL**
A008	Stand duty as a Section Leader
A011	Stand watch as a departmental representative
C	**DRILL AND FORMATION**
C018	Perform military courtesies as a formation leader
E	**FORCE PROTECTION**
E051	Train personnel in procedures pertaining to bomb threats
E052	Train personnel in the safeguards against acts of terrorism and victimization
I	**SAFETY**
I067	Conduct safety awareness training
I105	Explain the four principles of Operational Risk Management (ORM)
I107	Explain the three levels of Operational Risk Management (ORM)
I109	Identify the five steps in the deliberate Operational Risk Management (ORM) process
I115	State the Navy Safety and Occupational Health Program maintenance procedures to divisions/departments
I116	Supervise work center and job site safety operations
P	**CAREER INFORMATION**
P219	Define and perform sponsorship duties
P228	Describe the Chief Petty Officer (CPO), Senior Chief Petty Officer (SCPO), and Master Chief Petty Officer (MCPO) advancement and selection procedures
P254	Perform the duties and responsibilities of a mentor
P266	State the requirements for Navy Enlisted Warfare Specialist designations
Q	**TRAINING**
Q283	Identify the resources for obtaining training quotas for Navy courses
Q285	Perform the duties and responsibilities of a Training Petty Officer (TPO)
Q288	Provide input to command indoctrination and training programs
Q290	Train personnel using demonstration, discussion, and lecture methods
Q295	Verify the progress and quality of command's indoctrination programs
R	**MANAGEMENT/ADMINISTRATION**
R297	Conduct Planned Maintenance System (PMS) Spot Checks
R300	Describe the duties of the Leading Petty Officer (LPO)
R303	Identify person/s authorized to sign official Navy documents
R310	Prepare and present briefings
R323	Supervise maintenance actions
R326	Verify maintenance documentation
T	**CUSTOMS, TRADITIONS AND COURTESIES**
T335	Describe the procedures for ceremonial events (e.g., Change of Command (CoC), retirements, commissioning, burials-at-sea, etc.)

U	**ORGANIZATION**
U350	Describe the mission and function of: the President, Secretary of Defense, Secretaries of the Military departments, Chairman and Joint Chiefs of Staff, unified and specified commands of the U.S. Armed Forces
V	**LEADERSHIP/SUPERVISION**
V362	Assess and report material and personnel readiness for shifts, offices, or work centers
V371	Conduct functions within quarters (e.g., muster, plan of the day/week (POD/POW), inspections, Sailor's Creed review, etc.)
V376	Coordinate availability of tools, supplies, equipment, and parts to perform tasks
V379	Counsel subordinates on personal performance
V393	Direct daily work center assignments
V394	Document progress of subordinates' job performance
V396	Establish and publish daily work schedules for shifts, offices, or work centers
V399	Evaluate subordinates' qualifications to perform tasks
V413	Prepare for command inspections
V424	Provide informal counsel to senior personnel (e.g., department/division-related programs, processes and procedures, etc.)
V429	Recommend formal reward or recognition for subordinates
V431	Recommend, administer and/or evaluate implementation of policy statements, operation orders, and directives
V437	Supervise individuals assigned extra military instruction, extension of working hours, and withholding of privileges
V438	Supervise the divisional Job Qualification Requirements (JQR) and Personnel Qualification Standards (PQS) programs
V443	Translate daily work requirements from immediate supervisor into specific assignments for work centers
X	**SECURITY REQUIREMENTS**
X458	Train personnel in the security policies, requirements, and procedures for handling classified material and information
Y	**PROGRAMS AND POLICIES**
Y470	Define the supervisor's role in managing risk
Y474	Describe the Command Resilience Team (CRT) process
Y475	Describe the Command Training Team (CTT) process
Y478	Describe the methods for making informed risk decisions, including understanding risk control types, the effects of controls, and the understanding of residual risk
Y493	Explain the Navy's policy on suicide prevention (OPNAVINST 1720.4 series)
Y501	Identify the key personnel and their responsibilities in integrating risk management within the unit
Y507	Supervise implementation of the Navy's Pride and Professional (NP&P) program (e.g., fraud, waste, abuse; Navy Core Values; equal opportunity, etc.)

A **WATCHSTANDING AND WATCH, QUARTER, AND STATION BILL**

A005 Monitor watch, quarter, and station bill assignments/activities to ensure personnel assignments are in accordance with specific watch/station requirements or professional assignment goals (e.g., Sailor expertise, physical standards, need for collateral duty opportunities, etc.)

A006 Prepare, maintain, and assign personnel to watch, quarter, and station bills

A007 Provide enlisted watchbill recommendations

A014 Verify assignment of personnel to watch, quarter, and station bills

C **DRILL AND FORMATION**

C015 Conduct personnel inspections

C020 Prepare and present personnel for presentation at inspections, quarters, and ceremonial events

D **UNIFORMS**

D021 Conduct seabag inspections

D024 Describe the history/heritage of Navy uniforms

D041 Perform uniform inspections

D043 State the authority to prescribe uniforms

H **SHIPS & AIRCRAFT CHARACTERISTICS**

H058 Assist with locker leader operations

O **MILITARY JUSTICE**

O205 Describe the purpose of the report of disposition and offense

P **CAREER INFORMATION**

P248 Explain how to apply for Limited Duty Officer (LDO) and Chief Warrant Officer (CWO) commissioning programs

P249 Explain the purpose and procedures of the enlisted retention board

P253 Participate on Career Development Boards (CDB)

P258 Provide career management program information to junior personnel (e.g., First Term Success Workshop (FTSW), Career Development Boards (CDB), continuation boards, etc.)

P260 Provide financial management information and referrals to junior personnel

Q **TRAINING**

Q268 Administer training programs (e.g., organize, schedule, evaluate, etc.)

Q277 Develop and verify the progress and quality of command's training programs

Q278 Explain Sailors' Learning and Development Roadmap (LaDR) prior to Career Development Boards (CDB)

Q286 Perform training program operations (e.g., plan, coordinate, direct, etc.)

Q287 Plan and direct personnel training

R	**MANAGEMENT/ADMINISTRATION**
R299	Coordinate taskers with departments, services, and government agencies
R309	Perform the duties of the Leading Petty Officer (LPO)
R311	Prepare enlisted personnel performance evaluations
R324	Validate maintenance documents
U	**ORGANIZATION**
U354	Provide recommendations to command's Standard Organization and Regulations Manual (SORM)
V	**LEADERSHIP/SUPERVISION**
V367	Assess, report, and track division material and personnel readiness
V373	Conduct semi-annual performance counseling to enlisted personnel
V378	Counsel enlisted personnel on personal and professional matters/performance
V380	Define the procedures for conducting Career Development Boards (CDB)
V383	Delegate authority to subordinates to perform division functions
V389	Describe the purpose of the Casualty Assistance Calls Officer (CACO)
V391	Develop Plan of Action and Milestones (POA&M)
V395	Draft formal award or recognition recommendations for assigned subordinates for division and/or department level review
V398	Evaluate specific assignments to determine timelines and required resources
V401	Explain the Navy's primary strategy for improving mission readiness
V402	Identify inter-departmental differences
V407	Manage implementation of divisional policies
V412	Prepare evaluations for junior personnel
V415	Prioritize overall division tasking
V416	Prioritize overall job tasks for shifts, offices or work centers
V417	Provide career counsel and supervision to division/department personnel (i.e., Career Waypoints (C-Way))
V425	Provide leadership in support of command management policies (e.g., Sailor of the Year (SOY), Navy Morale Welfare and Recreation (MWR), Navy Command Managed Equal Opportunity (CMEO), Navy Sexual Assault Prevention and Response (SAPR), etc.)
V430	Recommend subordinates for assignment to command or departmental collateral duties
V432	Refer personnel with problems beyond the capability of the command to appropriate resources
V436	Review operational schedules to build division work schedules and timelines
V439	Track progress of departmental programs (e.g., Quality Assurance (QA), training, safety, etc.)
V442	Translate command or departmental instructions and documents into division work requirements

X **SECURITY REQUIREMENTS**

X449 Assess communications vulnerabilities to critical information and make recommendations for countermeasures

Y **PROGRAMS AND POLICIES**

Y462 Define procedures for conducting zone inspections

Y497 Identify controls and resources that the command can create and use to reduce risk to personnel (reduce risk-to-force)

E7

Naval Standards by Functional Area

A **WATCHSTANDING AND WATCH, QUARTER, AND STATION BILL**

A001 Advise the Chain of Command (CoC) on the currency of the command's watch, quarter, and station bills

A002 Coordinate the preparation and assignment of personnel to departmental watch, quarter, and station bills

C **DRILL AND FORMATION**

C019 Plan and coordinate inspections, quarters, and ceremonial events

O **MILITARY JUSTICE**

O199 Advise Chain of Command (CoC) on matters of good order and discipline affecting the command

O201 Define the procedures for conducting Captain’s Mast

O212 Perform the duties as a member of a Disciplinary Review Board (DRB)

O214 Perform the duties of a Preliminary Investigation Officer (PIO)

P **CAREER INFORMATION**

P232 Describe the importance of the Standards of Conduct boards

P246 Describe the roles and functions of the Command Senior Enlisted Leadership (CSEL) Program

P247 Describe the roles and functions of the Master Chief Petty Officer of the Navy (MCPON), Fleet/Force Master Chief (FLTCM/FORCM), Command Master Chief (CMDCM), and Command Senior Chief (CMDCS)

P251 Explain the purposes and benefits of the Command Senior Enlisted Academy (CSEA) and service academies and provide the eligibility requirements information to personnel

P261 Provide Fleet or Force and Command Master Chief (CMC) programs information to junior personnel

Q **TRAINING**

Q289 Train junior officers

R **MANAGEMENT/ADMINISTRATION**

R296 Assess enlisted personnel performance evaluations

R298 Coordinate administrative, material and/or operational readiness inspections and/or inspections preparations

R307 Manage force structure and readiness via the Navy's career management systems (e.g., MyNavy Assignment (MNA), Billet Based Distribution (BBD))

R313 Prepare point papers, instructions, and directives

R316 Provide actionable departmental manning recommendations based on department documents and processes

R317 Provide divisional budget input

R318 Provide guidance to enlisted personnel in the preparation of performance evaluations

R	**MANAGEMENT/ADMINISTRATION (CONT'D)**
R319	Provide inputs to manpower change requests
R320	Provide Temporary Assigned Duty (TAD) travel after action reports
R325	Verify leave and liberty schedules are within policy
U	**ORGANIZATION**
U355	Review and submit changes to command's Standard Organization and Regulations Manual (SORM)
V	**LEADERSHIP/SUPERVISION**
V358	Advise Chain of Command (CoC) on enlisted personnel matters
V360	Advise personnel on standards of performance and conduct
V363	Assess and report command or unit material and personnel readiness
V364	Assess division material and personnel readiness
V366	Assess, report, and track department material and personnel readiness
V368	Assist the branch or division officer in the development of policy
V375	Coordinate and evaluate status and impact of division work with other divisions
V377	Coordinate departmental level work schedules
V392	Develop policy statements, operations orders, and directives
V404	Incorporate key components of Naval history and heritage in training plans and Sailor development programs
V406	Manage departmental programs (e.g., Quality Assurance (QA), training, safety, etc.)
V408	Mediate identified inter-departmental differences
V409	Monitor and provide process improvement input to command programs (e.g., Sailor of the Year (SOY), Navy Sponsorship, etc.)
V418	Provide draft of formal award or special recognition recommendations for Chain of Command (CoC) review
V421	Provide guidance to junior officers in developing leadership skills
V423	Provide guidance to the Leading Petty Officer (LPO) on job task performance
V427	Provide program and technical direction at the departmental level
V435	Review operational schedules to build department work schedules and timelines
V444	Translate Navy and command-specific polices into organizational requirements
V445	Verify basic and traditional communication practices (e.g., Sailor-led General Military Training (GMT), quarters for muster, instructions, inspections, etc.)
V447	Verify implementation of divisional policies
X	**SECURITY REQUIREMENTS**
X454	Describe the basic policies of the Navy's information and personnel security program (as provided via the Senior Enlisted Joint Professional Military Education (SEJPME))

Y	**PROGRAMS AND POLICIES**
Y464	Define the duties of Casualty Assistance Calls Officer (CACO)
Y499	Identify external resources to support the command's integration and implementation of risk management concepts and processes
Y505	Specify the five factors that Commanders consider when approving a request for religious accommodation

O **MILITARY JUSTICE**

O213 Perform the duties as Chairman of a Disciplinary Review Board (DRB)

V **LEADERSHIP/SUPERVISION**

V374 Coordinate and evaluate status and impact of department work on other departments

V382 Delegate authority for department functions

V410 Monitor assignment and utilization of department personnel

V414 Prioritize overall department work

V420 Provide guidance on job performance to division Chief Petty Officers (CPO)

V440 Track progress of overall department work efforts

V446 Verify division supervisor submissions of formal award or recognition recommendations

Y **PROGRAMS AND POLICIES**

Y476 Describe the importance of measuring the effectiveness of risk management within assigned command

Y494 Explain the prioritization and utilization of limited resources in managing risk to ensure mission success

R **MANAGEMENT/ADMINISTRATION**

R315 Provide actionable command-level manning recommendations based on command documents and processes

V **LEADERSHIP/SUPERVISION**

V359 Advise Commanding Officer (CO) on formulation and implementation changes in policy affecting the enlisted force

V369 Assist the Department Head (DH) with policy development

V370 Brief commanders on controls and resources that can be created and used to reduce risk to personnel (reduce risk-to-force) and operations (risk-to mission)

V372 Conduct midterm evaluations on senior enlisted leadership

V419 Provide formal counsel to senior personnel (e.g., Drug and Alcohol Program Adviser (DAPA) screenings, Command Managed Equal Opportunity (CMEO), Physical Fitness Assessment (PFA) failures, etc.)

V422 Provide guidance to senior enlisted in developing leadership skills (e.g., experienced/personal perspective, crew perspective, leadership style onsiderations/principles, etc.)

V426 Provide leadership in the Chief Petty Officer's (CPO) mess

Y **PROGRAMS AND POLICIES**

Y498 Identify controls and resources that the command can create and use to reduce risk to operations (reduce risk-to-mission)

APPENDIX A

GUIDELINES FOR PROPOSING CHANGES TO THE ENLISTED RATING STRUCTURE

Refer to NAVPERS 18068F Volume II Appendix B for detailed guidance, procedures and templates for enlisted rating structure changes.

APPENDIX B

Occupational Communities, Career Fields, and Associated Ratings

1. **AVIATION**
   - Deck (AB, ABE, ABF, ABH, AO)
   - Squadron (AD, AE, AF**, AM, AME, AO, AT, AV**)
   - Support (AC, AN*, AS, AZ, PR)
   - Air Crew (AWF, AWO, AWR, AWS, AWV)
   - Intermediate Level / Fleet Readiness Center (AD, AE, AM, AT)

2. **EXECUTIVE SUPPORT (**LN, MC, MU, NCC, NCR, PS, RP, YN)

3. **INFORMATION WARFARE**
   - Cryptology (CTI, CTM, CTR, CTT)
   - Cyber (CWT, IT)
   - Meteorology/Oceanography (AG)
   - Intelligence (IS)

4. **MEDICAL** (HM, HN*)

5. **NUCLEAR** (EMN, ETN, MMN)

6. **SEABEES (**BU, CB**, CE, CM, CN*, CU**, EA, EO, SW, UT)

7. **SECURITY** (MA)

8. **SPECIAL OPERATIONS** (EOD, ND)

9. **SPECIAL WARFARE** (SB, SO)

10. **SUBMARINE**
    - Mechanical (MMA, TM)
    - Service (CSS, LSS, YNS)
    - Technical (ETR, ETV, FT, ITE, ITN, ITR, MT, STS)

11. **SUPPLY** (CS, LS, RS)

12. **SURFACE**
    - Engineering (DC, EM, EN, FN*, GS, GSE, GSM, HT, MM, MR)
    - Technivals (ET, FC, FCA, GM, IC, STG)
    - Operations (BM, MN, OS, QM, SN*)

13. **ARTIFICIAL INTELLIGENCE**
    - Robotics (RW)

'*' Indicates Apprenticeship (General Rates)
'**' Indicates Compression Ratings

APPENDIX C

NAVY ENLISTED BILLET CLASSIFICATION (NEBC) STRUCTURE

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APPENDIX C

NAVY ENLISTED BILLET CLASSIFICATION (NEBC) STRUCTURE

1. General

a. The occupational work of Navy enlisted personnel was previously only described by Rate, Rating and Navy Enlisted Classification (NEC) codes. To better support the work and mission requirements of future Navy Total Force (NTF) enlisted personnel, the NEBC was developed to provide a more comprehensive work and job description. General descriptions of the duties performed in a position, along with complete task descriptions, skills and abilities, and experience required to perform Navy work, are essential to the identification and development of flexible and transferable skill sets throughout an NTF.

b. NEBCs identify enlisted position requirements and enlisted occupational experience required to fill a position and is acquired through position experience or through a combination of education, training, and experience.

c. An NEBC provides a general description of duties performed in a position. It is not meant to cover every duty required of the job nor is every duty listed necessarily a requirement of the position. The NEBC identifies a group of enlisted positions which are similar but not necessarily identical in scope and nature of duties.

d. Each NEBC consists of a system-generated six-digit unique identifier (job code), a long title, a NAVMAC assigned 14 and 30 character short title, a job description, proficiency level, and other job specifications required to perform a job. An NEBC may contain tasks, skills, and abilities which would be documented in the enlisted Occupational Standards. NEBCs are maintained in the Master Job Code Table and can be found at https://www.mynavyhr.navy.mil/About-MyNavy-HR/Commands/NAVMAC/Workforce-Classification/References/

e. A need exists in certain Human Resource (HR) operations for occupational information related to NEBCs. The attributes below are assigned to each NEBC to support HR operations.

(1) The Standard Occupation Classification (SOC) code identifies the group number and title in the nation's Occupation Network (O*NET) which corresponds to the NEBC. The O*NET SOC is maintained by the Department of Labor (DOL). The SOC provides a common occupational grouping and numerical coding system for classifying the nation's work in the U.S. and can be found at https://www.onetonline.org/.

(2) The DoD Occupation Classification (DOC) code identifies the group number and title in the Department of Defense Occupational Conversion Manual (DOD 1312.1 series) which corresponds to the NEBC. The DOC provides a common occupational grouping and numerical coding system for classifying work in DoD and can be found at http://www.dtic.mil/whs/directives/corres/pdf/131201i.pdf.

(3) The Navy Occupational Classification (NOC) code represents the occupational classifications of the Navy using a common occupational grouping and numerical coding system. Each job is assigned a NOC code, which will be used to place jobs with similar work within the hierarchy. The NOC code consists of a five level hierarchy. The first level of the code identifies the major group, the second level identifies the minor group, the third in combination with the first two levels identifies job area, the fourth level is the specialty field, and the fifth level indicates a sequential job within the hierarchy. Until further notice, use of this code is temporarily suspended.

2. Application. When applied to a position, the NEBC is a general statement of duties performed in accomplishing some part of an activity's mission. The paygrade distinguishes positions which differ in degree of authority or responsibility but not in essential duties performed.

3. Assignment of a job code on all positions is mandatory.

4. Justification to Establish and/or Retain NEBC(s). To establish and/or retain NEBCs, requests should meet the following criteria:

a. Must describe the qualitative requirements of existing or proposed positions in the Navy (e.g. Activity Manpower Documents (AMD)).

b. Must apply to HR planning, personnel control, career management, education and training, or manpower functions.

c. Must apply Navy-wide and does not reflect purely local conditions or organization unless it is necessary to meet the criteria stated in paragraph 4b.

d. Must not duplicate an existing NEBC.

e. Must identify positions, both regular and temporary (peacetime and mobilization), and employee experience, both active and inactive.

f. Must identify a minimum of **50** positions.

g. Job descriptions should be concise and are limited to 3000 characters, including spaces. Job descriptions should be broad enough to identify all positions with similar requirements yet narrow enough to distinguish significant differences not identified through other codes (e.g., rating, paygrade and activity). Job descriptions stress what is done rather than how or why it is done. They should not include duties required of all employees, such as training of subordinates or preparing routine reports, unless such duties are a distinct requirement of the job.

NOTE: A Classification Element (CE) is the basic component into which a classification category is divided, such as: Rating, Navy Enlisted Classification (NEC) code, Navy Officer Billet Classification (NOBC) code, Additional Qualification Designator (AQD) code, etc. NEBCs are a new CE for the Navy Enlisted Occupational Classification System (NEOCS) and will function similar to NOBCs in the Navy Officer Occupational Classification System (NOOCS). They represent Navy jobs.

5. Recommendations to Establish, Delete, or Revise NEBC(s).

a. To ensure NEBCs reflect current technological and administrative developments, commands and employees are invited to review and evaluate these classifications and, if appropriate, submit recommendations for improvement. An activity recommending a new job should first ensure that an established job in its present form, or with some revision, would not suffice for identifying the occupational aspects of the positions involved. Commands recommending establishing, deleting, or revising a job should consider the criteria listed in paragraphs 2, 3, and 4. All recommendations should include the appropriate information as follows:

(1) Recommendations to establish NEBC(s) must include:

(a) Recommended long title. NAVMAC assigns the 14 and 30 character short titles;

(b) Recommended description (limited to 3000 characters, including spaces);

(c) Number and location of positions, by activity type, that the proposed NEBC will identify;

(d) Recommended paygrades applicable to the NEBC tasks;

(e) Information on how the requirements/qualifications are currently identified;

(f) Justification stating why the existing NEBC descriptors are insufficient without the proposed NEBC, and other historical or amplifying information necessary for prudent consideration at each level of review; and

(g) Point of Contact (include commercial and DSN telephone numbers, fax number, and e-mail address).

(2) Recommendations to disestablish NEBC(s) must include:

(a) Long Title and Job Code of existing NEBC(s);

(b) Reason(s) for deleting the NEBC (e.g., qualifications duplicated by another NEBC, insufficient positions to meet the criterion in paragraph 4. (f) and any other information needed for consideration at each level of review;

(c) Information on which NEBCs (include job codes), if any, will absorb the duties of the NEBC and redistribution of NEBC characteristics to identified NEBC(s) that will absorb the duties;

(d) Information on how to recode the positions and job incumbents, if appropriate, presently coded with this NEBC; and

(e) Point of contact (include commercial and DSN telephone numbers, fax number, and e-mail address).

(f) Use standard naval letter format or e-mail when submitting requests for NEBC deletions.

(3) Recommendations to revise NEBC(s) must include:

(a) Long Title and Job Code of existing NEBC(s);

(b) Proposed recoding (if applies), re-titling and/or rewording of the current NEBC and associated characteristics;

(c) Justification for the proposed revision(s); and

(d) Point of Contact (include commercial and DSN telephone numbers, fax number, and e-mail address).

(e) Use standard naval letter format or e-mail when submitting requests for NEBC revisions.

b. The NEOCS Board, per OPNAVINST 1223.1 series, serves as the central point for changes to the Navy Enlisted Occupational Classification System. Activities proposing establishment, disestablishment, or revision to NEBCs should send recommendations, using the following template, via the appropriate chain of command to:

Commanding Officer
Navy Manpower Analysis Center
5722 Integrity Drive
Millington, TN 38054-5011

OR

E-mail to: NAVMACCODE10@us.navy.mil

(COMMAND LETTERHEAD)

TEMPLATE

1211
Ser 10/
Date

From: Submitting Organization
To: Director, Navy Manpower Analysis Center (Code 10)

Subj: PROPOSAL TO (ESTABLISH/REVISE/DISESTABLISH) NAVY ENLISTED BILLET CLASSIFICATION (NEBC) FOR XXXXX (provide job title)

Ref: (a) Manual of Navy Enlisted Occupational Standards, NAVPERS 18068F, VOL I APPENDIX C
(b) OPNAVINST 1223.1 series

Encl: (1) Justification to (establish/revise/disestablish) NEBC XXXXXX

1. Per references (a) and (b), enclosure (1) is submitted recommending the establishment of the subject NEBC.

2. Establishment of this NEBC will improve the identification of enlisted position requirements for the XXXXX rating(s). (Any additional comments should stay high level).

3. My point of contact is, XXXXX (provide rate/rank name), who may be reached at (###) ###-####/DSN ###, or by email to: XXXXX.

J. P. JONES
Deputy Commander

Justification to establish NEBC

1. Job Title: Recommend an NEBC title (e.g. Human Intelligence Specialist).

2. Career Field: Provide rating(s) that the proposed NEBC would be associated with (e.g. IS).

3. Job Description: Supply a concise job description for the proposed NEBC (limited to 3,000 characters, including spaces).

4. Other Relationships and Rules: List related NECs or special rules.

5. Tasks and Paygrades: Include list of proposed tasks (to include task paygrade) that identifies the work to be done in the proposed NEBC.

6. Justification: Explain the purpose of the proposed NEBC, how the requirements/qualifications are currently identified, why the existing NEBC descriptors are insufficient without the proposed NEBC, and how it will impact manpower increases/decreases. Be as specific as possible.

7. Number and Location of Billets: Identify the number and location of positions/billets (by activity type) requiring the proposed NEBC.(if all billets within an NEBC, state "all billets")

8. Directives: Identify directives associated with the proposed NEBC (i.e. instructions, manuals, working groups, steering committees, and/or requirements boards).

9. Resource Sponsor/Technical Advisor: Provide the abbreviated activity name, along with the respective Resource Sponsor/Technical Advisor responsible for proposed NEBC (e.g. OPNAV N2N6, ISCM XXXXX).

Enclosure (1)

Navy Enlisted Billet Classification (NEBC) Table

Job Code	Occupational Classification Code	Job Title	Short Title (14 Character)
002506	ABE	Arresting Gear Technician	ARST GEAR TECH
002584	ABE	Catapult Technician	CATAPULT TECH
001030*	ABF	Aviation Fuels Below Decks Operations Technician	FUEL BDCK TECH
001085	ABF	Aviation Fuels Flight Deck Operations Technician	FUEL FLT DECK
001140*	ABF	Aviation Fuels Shore Based Operations Technician	FUEL SHORE TEC
001555	ABH	Air Operations Technician	AIR OPS TECH
001195	ABH	Aircraft Director	ACRFT DIRECTOR
001250	ABH	Crash and Salvage Firefighter	CRASH SALV FF
001307	AC	Air Traffic Controller	AIR TRAF CNTLR
001417	AD	Aviation Machinist's Mate Intermediate Level	AVENG SYS I-LV
001362**	AD	Aviation Machinist's Mate Organizational Level	AVENG SYS O-LV
001527**	AE	Aviation Electricians Mate Organizational Level Technician	AVELX TEC O-LV
001472	AE	Aviation Electricians Mate Intermediate Level Technician	AVELX TEC I-LV
001640	AG	Master Meteorological and Oceanographic (METOC) Forecaster	MSTRMETOCFORC
001585	AG	Meteorological and Oceanographic (METOC) Forecaster	METOC FORCASTR
001695	AG	Meteorological and Oceanographic (METOC) Analyst	METOC ANALYST
001805	AM	Aviation Structural Mechanic Intermediate Level	AVSTRUMEC I-LV
001862	AM	Aviation Structural Mechanic Organizational Level	AVSTRUMEC O-LV
001955	AME	Aviation Environmental and Egress Technician	SFTY EQUI TECH
002687	AN	Airman	AIRMAN
002045	AO	Aircraft Armament Equipment Technician	I LVL AAE TECH
002093	AO	Armorer	ARMORER
002138	AO	Weapons Department Technician	WEP DEPT TECH
002183	AO	Ammunition Logistics Manager	AMMO LOG MGR
002228	AO	Squadron Ordnance Technician	SQDN ORD TECH
002273	AO	Aviation Ordnance Quality Assurance Safety Supervisor	AO QA SUPV
002000	AO	Armament Weapons Support Equipment Technician	ARM WEP SE TEC
002320	AS	Aviation Support Equipment Technician	AV SUP EQ TECH
002410	AT	Aviation Electronics Intermediate Level Technician	AV ELTRON I-LV

Job Code	Occupational Classification Code	Job Title	Short Title (14 Character)
002455	AT	Aviation Electronics Organizational Level Technician	AV ELTRON O-LV
002589	AVIATION	Maintenance and Production Chief	MPCPO
002581	AVIATION	Maintenance Master Chief	MMCPO
001595**	AWF	Flight Engineer	FLIGHT ENG
002788	AWF	Logistics Aircrewman	LOG AIRCRWMN
002810	AWF	Operations, Training, and Readiness Specialist (Mechanical)	OT&R SPC MEC
002825	AWF	Reel Operator	REEL OP
002826	AWF	Unmanned Aerial Vehicle (UAV) Operator/Maintainer	UAV OP/MAIN
002571*	AWO	Electronic Warfare Systems Specialist	EW SYS SPEC
002544	AWO	Acoustic Systems Specialist	NAC ACOUS SPEC
002827	AWO	Operations, Training, and Readiness Specialist (Operator)	OT&R SPEC OP
002747	AWR	Multi-Mission Helicopter Sensor Operator	MM SENSOR OP
002748	AWR	Aircraft Carrier Tactical Support Center (CV-TSC) Operator	CV TAC SUP CTR
002828	AWR	Operations, Training, and Readiness Specialist (Tactical Helicopter)	OT&R SPEC THEL
002829	AWR	Unmanned Aerial Systems (UAS) Operator	UAS OPERATOR
001605**	AWS	Helicopter Utility Aircrewman	NAC HELI ARCMN
002830	AWS	Multipurpose Helicopter (MH)-53 Utility Aircrewman	MH53 UTIL ACMN
002831	AWS	Operations, Training, and Readiness Specialist (Helicopter)	OT&R SPEC HELI
002832	AWS	Unmanned Aerial Vehicle (UAV) Mission Payload Operator (MPO)	NAC UAV MPO
001590	AWV	Airborne Communication Technician	AIR COMM TECH
002672	AWV	Unmanned Aerial Vehicle (UAV) Pilot/Maintainer	NAC UAV P-MNT
001610	AWV	In-Flight Technician	NAC INFLT TECH
002833	AWV	Operations, Training, and Readiness Specialist (Avionics)	OT&R SPEC AVIO
002576	AZ	Aviation Administrator	AV ADMIN
003721	BM	Ordinary Seaman	ORD SEAMAN
003722	BM	Able Seaman	ABLE SEAMAN
003720	BM	Ship's and Boat's Mate	SB MATE
002594	BU	Builder	BUILDER
002599*	CE	Construction Electrician	CONSTRUCT ELEC
002604	CM	Construction Mechanic	CONSTRUCT MECH
003708*	CMDCM	Installation Command Master Chief	INST CMC
003710*	CMDCM	Chief of Naval Operations-Force-Fleet Master Chief	CNO MCPO
003709*	CMDCM	Command Master Chief	CMC
003711*	CMDCM	Immediate Superior in Command Master Chief	ISIC CMC
003707*	CMDCM	Flag Command Master Chief	FLAG CMC
003712*	CMDCM	Chief of The Boat	COB
003713*	CMDCM	Large Deck Command Master Chief	LGD CMC
002755	CMDCS	Command Senior Chief	CMDCS

Job Code	Occupational Classification Code	Job Title	Short Title (14 Character)
002688	CN	Constructionman	CONSTRUCTMAN
001007	CS	Leading Culinary Specialist	LEAD CULY SPEC
002609	CS	Culinary Specialist	CULINARY SPEC
002768	CSS	Submarine Leading Culinary Specialist	SUB LD CUL SPC
002769	CSS	Submarine Culinary Specialist	SUB CUL SPEC
002683**	CTI	Cyber Language Analyst	CYB LANG ANLST
001022**	CTI	Strategic Language Analyst	STRAT LNGANLST
001027**	CTI	Tactical Language Operator	TAC LANG OPR
001035	CTM	Cryptologic Systems Maintenance Technician	C SYS MNT TECH
002729	CTM	Cryptologic Systems Installation Technician	C SYS INST TEC
001040	CTM	Cryptologic Systems Maintenance Director	C SYS MNT DIR
002811*	CTM	Cryptologic Systems Infrastructure Technician	C SYS INFR TEC
003103**	CWT	Cyber Operations Planner	CYB OPS PLAN
003104**	CWT	Cyber Defense Analyst	CYB DEF ANLST
003106	CWT	Cyber Exploitation Analyst	EXPLOIT ANLST
003107**	CWT	Expeditionary Cyberspace Operator	EXP CYBR OPR
003108**	CWT	Cyberspace Operator	CYBR OPR
003109*	CWT	Offensive Cyberspace Analyst	OFF CYB ANYLST
002775**	CWT	Cyber Research and Development Specialist	CYB R&D SPEC
001072	CTR	Analyst and Reporter	ANLYST&REPORTR
001077	CTR	Signals Analyst	SIGNALS ANLYST
002746	CTR	Collection Operator	COLL OPERATOR
002834	CTR	Non-Traditional Collector and Analyst	NONTRADITIONAL
001082**	CTR	Senior Collection Supervisor	SR COL SUP
002677	CTT	Information Operations Planner	INFO OPS PLNR
001090	CTT	Technical Electronic Intelligence Analyst	ELINT ANALYST
001095**	CTT	Surface Electromagnetic Warfare (EW) Operator	SURF EW OPER
002676**	CTT	Surface Electromagnetic Warfare (EW) Maintainer	SURF EW MAINT
002758	CTT	Tactical Information Operations Specialist	TACINF OP SPEC
002756	CTT	Operational Electronic Intelligence Analyst	OPELINT ANLYST
003002	DC	Ship Survivability Systems Maintainer	SHIP SURV MNT
003021	DC	Ship Survivability Systems Technician	SHIP SURV TECH
001160	EA	Engineering Aide	ENGINEER AIDE

Job Code	Occupational Classification Code	Job Title	Short Title (14 Character)
003699	EM	Electrical Systems Maintainer	ELEC SYS MAINT
003302	EM	Electrical Systems Technician	ELEC SYS TECH
002839**	EM	Electrical Systems Manager	ELEC SYS MANGR
003777	EMN	Submarine Propulsion Plant Electrical Operator	SS PPE OP
003778	EMN	Surface Propulsion Plant Electrical Operator	SW PPE OP
003785	EMN	Submarine Propulsion Plant Electrical Supervisor	SS PPE SUP
003786	EMN	Surface Propulsion Plant Electrical Supervisor	SW PPE SUP
003793	EMN	Submarine Propulsion Plant Electrical Manager	SS PPE MGR
003794	EMN	Surface Propulsion Plant Electrical Manager	SW PPE MGR
003102	EN	Diesel Engine Systems Manager	DIESEL SYS MGR
003653	EN	Diesel Engine Systems Maintainer	DIESEL SYS MNT
003179	EN	Diesel Engine Systems Technician	DIESEL SYS TEC
001165*	EO	Equipment Operator	EQUIP OPERATOR
001172**	EOD	Senior Explosive Ordnance Disposal Technician	EOD SENIOR
001177	EOD	Master Explosive Ordnance Disposal Technician	EOD MASTER
002617**	EOD	Basic Explosive Ordnance Disposal Technician	EOD BASIC
003723	ET	Electronics Communications Technician	E COM SYS TECH
003725	ET	Electronics Radar Systems Technician	E RDR SYS TECH
003726	ET	Electronics Systems Manager	ELEC SYS MGR
003724	ET	Electronics Data Systems Technician	E DATA SYS TEC
003796*	ETN	Surface Reactor Control Manager	SW REAC CNTMGR
003787*	ETN	Submarine Reactor Control Supervisor	SS REAC CNTSUP
003788*	ETN	Surface Reactor Control Supervisor	SW REAC CNTSUP
003795*	ETN	Submarine Reactor Control Manager	SS REAC CNTMGR
003779*	ETN	Submarine Reactor Control Operator	SS REAC CNT OP
003780*	ETN	Surface Reactor Control Operator	SW REAC CNT OP
001187	ETV	Submarine Navigation Technician	SUB NAV TECH
001192	ETV	Submarine Navigation Manager	SUB NAV MGR
001182	ETV	Submarine Navigation Operator	SUB NAV OPER
003729	FC	Fire Control Administrator	FIRE CTRL ADMN
003727	FC	Fire Controlman	FIRE CNTL
002770	FCA	Aegis Fire Control Operator Technician	AEGIS FC OPTEC
002772	FCA	Aegis Fire Control Supervisor	AEGIS FC SUP

Job Code	Occupational Classification Code	Job Title	Short Title (14 Character)
002689	FN	Fireman	FIREMAN
001237	FT	Combat Control Systems Technician	CMBT CTRL TECH
001232	FT	Combat Control Systems Operator	CMBT CTRL OPER
001242	FT	Combat Control Systems Manager	CMBT CTRL MGR
003731	GM	Weapons Delivery System Technician	WEPS DSYS TECH
003732	GM	Small Arms Technician	SMALL ARM TECH
003730	GM	Weapons Administrator	WEAPONS ADMN
003202	GSE	Gas Turbine Electrical Systems Maintainer	GTE SYS MAINT
002794*	GSE	Gas Turbine Electrical Systems Manager	GTE SYS MGR
003654	GSE	Gas Turbine Electrical Systems Technician	GTE SYS TECH
003698	GSM	Gas Turbine Mechanical Systems Maintainer	GT MECH MAINT
003003	GSM	Gas Turbine Mechanical Systems Technician	GT MECH TECH
002670	HM	Dental Laboratory Technician, Advanced	DENT LAB ADV
001327	HM	Submarine Force Independent Duty Corpsman	SUB FORCE IDC
003700	HM	Aerospace Medical Technician	AERO MED TECH
001372	HM	Surgical Technologist	SURG TECH
003652	HM	Advanced X-Ray Technician	ADV X-RAY
003355	HM	Nuclear Medicine Technician	NUC MED TECH
001339	HM	Hemodialysis/Apheresis Technician	HEMO TECH
003501	HM	Search and Rescue Medical Technician	SAR TECH
001354	HM	Cardiovascular Technician	CV TECH
001359	HM	Histopathology Technician	HISTO TECH
001377	HM	Cytotechnologist	CYTO TEC
001382	HM	Medical Laboratory Technician	MED LAB TECH
003380	HM	Drug and Alcohol Counselor	DAC COUNSELOR
003301	HM	Dental Laboratory Technician, Maxillofacial	DEN ORALMAX
001260	HM	Field Medical Service Technician	FLD MED TECH
001289	HM	Fleet Marine Force Reconnaissance Corpsman	FMF RECON HM
003462	HM	Aerospace Physiology Technician	AERO PHYS TECH
001344	HM	Physical Therapy Technician	PT TECH
003020	HM	Medical Deep Sea Diving Technician	DIVE MED TECH
001322	HM	Pharmacy Technician	PHARM TECH
001247	HM	Deep Sea Diving Independent Duty Corpsman	DIVE IDC

Job Code	Occupational Classification Code	Job Title	Short Title (14 Character)
001387**	HM	Mental Health Technician	MENTAL HLTH
001265	HM	Orthopedic Cast Room Technician	CAST ROOM TECH
003055	HM	Occupational Therapy Assistant	OT TECH
001317	HM	Fleet Marine Force Reconnaissance Independent Duty Corpsman	FMF RECON IDC
003155	HM	Respiratory Therapy Technician	RES THER TECH
003401	HM	Dental Laboratory Technician, Basic	DENT LAB BASIC
003555	HM	Radiation Health Technician	RAD HLTH TECH
003455	HM	Electroneurodiagnostic Technologist	END TECH
001349	HM	Surface Force Independent Duty Corpsman	SURFACE IDC
001255	HM	Hospital Corpsman Basic	CORPSMAN
001367	HM	Preventive Medicine Technician	PREV MED TECH
003007	HM	Dental Hygienist	DENT HYGIENE
001155*	HM	Dental Assistant	DENTAL ASST
001304	HM	Optician	OPTICIAN
001312	HM	Biomedical Equipment Technician	BIOMED EQ TECH
001394	HM	Urology Technician	UROLOGY TECH
003178	HM	Mortician	MORTICIAN
002669	HM	Advanced Dental Assistant	ADV DENT ASST
003358	HN	Hospitalman	HOSPITALMAN
003004	HT	Hull Systems Maintainer	HULL SYS MAINT
003556	HT	Hull Systems Technician	HULL SYS TECH
003733*	IC	Interior Communications Operator	INT COMMS OPER
003734**	IC	Interior Communications Technician	INT COMMS TECH
003735*	IC	Interior Communications Administrator	INT COMMS ADMN
001399	IS	Strike Warfare Intelligence Analyst	STRIKE ANALYST
001404	IS	Operational Intelligence Analyst	OP INTEL ANLST
001409	IS	Geospatial Intelligence Analyst	GEOS INTEL ANL
002805**	IS	Cyber Threat Intelligence Analyst (CTIA)	CYB INT ANLYST
002835	IS	Tactical Counter-Intelligence and Human Intelligence (CI/HUMINT) Specialist	N CI HUMT SPEC
002780**	IT	Communications Security (COMSEC) Account Manager (CAM)	COMSEC CAM
002783	IT	Vulnerability Assessment Analyst	VULN ANALYST
002784	IT	Radio Frequency Operator	RF OPERATOR
002776	IT	Technical Support Specialist	IT TECH SPEC
002777	IT	System Administrator	SYS ADMIN
002779	IT	Information Systems Security Manager	ISSM

Job Code	Occupational Classification Code	Job Title	Short Title (14 Character)
002786**	ITS(ITE)	Electronic Warfare Technician	EW TECH
002787**	ITS(ITE)	Electronic Warfare Manager	EW MANAGER
002792**	ITS(ITE)	Electronic Warfare Specialist	EW SPEC
002836**	ITS(ITN)	Information Technology Network (ITN) Specialist	IT NET SPEC
002837**	ITS(ITN)	Information Technology Network (ITN) Technician	IT NET TECH
002838**	ITS(ITN)	Information Technology Network (ITN) Manager	IT NET MANAGER
002789**	ITS(ITR)	Communications Specialist	COMMS SPEC
002790**	ITS(ITR)	Communications Technician	COMMS TECH
002791**	ITS(ITR)	Communications Manager	COMMS MANAGER
001469	LN	Senior Paralegal	SEN PARALEGAL
001482	LN	Journeyman Paralegal	JOUR PARALEGAL
001477	LN	Paralegal	PARALEGAL
001742	LS	Logistics Manager	LOGISTICS MGR
001747	LS	Logistician	LOGISTICIAN
002773	LSS	Submarine Logistics Manager	SUB LOGIST MGR
002774	LSS	Submarine Logistician	SUB LOGISTN
001487	MA	Installation Security Specialist	INST SEC SPEC
001497	MA	Naval Criminal Investigative (NCIS) Operations Specialist	NCIS OPS SPEC
001514	MA	Navy Security Force (NSF) Trainer/Planner	NSF TRAIN PLAN
001504	MA	Expeditionary Security Specialist	EXPD SEC SPEC
001509	MA	Strategic Asset Security Specialist	STRAT SEC SPEC
001492	MA	Afloat Security Specialist	AFLOAT SEC SPC
002763	MC	Communication Director	COMM DIRECTOR
002760	MC	Content Developer	CONTENT DEV
002761	MC	Production Manager	PRODUCTION MGR
002762	MC	Creative Director	CREATIVE DIR
003177**	MM	Propulsion Plant and Auxiliary Systems Technician	PROPU SYS TECH
003651**	MM	Propulsion Plant and Auxiliary Systems Manager	PROPU SYS MGR
003005**	MM	Propulsion Plant and Auxiliary Systems Maintainer	PROPU SYS MAIN

Job Code	Occupational Classification Code	Job Title	Short Title (14 Character)
001519	MMA	Auxiliary Equipment Technician	AUX EQUIP TECH
001524	MMA	Auxiliary Equipment Operator	AUX EQUIP OPER
001532	MMA	Auxiliary Equipment Manager	AUX EQUIP MGR
003781	MMN	Propulsion Plant Mechanical Operator	PPM OPERATOR
003789	MMN	Propulsion Plant Mechanical Supervisor	PPM SUPERVISOR
003797	MMN	Propulsion Plant Mechanical Manager	PPM MANAGER
003736	MN	Mine Warfare Specialist	MINE WAR SPEC
003737	MN	Mine Warfare Manager	MINE WAR MGR
003156	MR	Machinery Repairman Apprentice	MR APPRENTICE
003381	MR	Machinery Repairman Journeyman	MR JOURNEYMAN
001552	MT	Strategic Weapons Manager	STRAT WEP MGR
001562	MT	Strategic Weapons Technician	STRAT WEP TECH
001567	MT	Strategic Weapons Operator	STRAT WEP OPER
001572	MU	Musician	MUSICIAN
001622	NCC	Career Specialist	CAREER SPEC
003776	NCC	Chief Career Counselor	CHIEF CARCNSLR
001617	NCC	Command Career Counselor	CCC
002793**	NCR	Career Recruiter (Enlisted)	RECRUITER ENL
002821	NCR	Career Recruiter (Officer)	RECRUITER OFF
001632	NCR	Recruiting Supervisor	RECRUIT SUPV
001100	ND	Second Class Diver	SCND CLASS DVR
001110	ND	Master Diver	MASTER DVR
001105	ND	First Class Diver	FRST CLASS DVR
003740	OS	Warfare Operator	WARFARE OPER
003741	OS	Operations Administrator	OPS ADMIN
003739	OS	Navigation and Plotting Specialist	NAV PLOT SPEC
003742	OS	Electronic Systems Operator	ELEC SYS OPER
003738	OS	Combat Air Controller	COM AIR CTRLR
001700	PR	Aviation Life Support Systems Organizational Level Technician	ALSS OLVL TECH
001692	PR	Aviation Life Support Systems Intermediate Level Technician	ALSS ILVL TECH
001705	PR	Special Operations Parachute Rigger	SPEC OP RIGGER
001687	PR	Aviation Life Support Systems Training and Acquisition Manager	ALSS TRACQ MGR
001122	PS	Pay Manager	PAY MANAGER
001682	PS	Personnel Manager	PERS MANAGER
001665	PS	Personnel Clerk	PERS CLERK
001677	PS	Personnel Supervisor	PERS SUPV
001127	PS	Pay Clerk	PAY CLERK
001117	PS	Pay Supervisor	PAY SUPERVISOR

Job Code	Occupational Classification Code	Job Title	Short Title (14 Character)
003743	QM	Navigation Administrator	NAVIGATN ADMIN
003744	QM	Navigation Specialist	NAVIGATN SPEC
003745	QM	Navigation Manager	NAVIGATN MGR
001710	RP	Religious Program Specialist	RP SPECIALIST
001715	RP	Religious Program Supervisor	RP SUP
002785	RP	Religious Program Senior Supervisor	RP SEN SUP
001732	RS	Laundry Operator	LAUNDRY OPER
001737	RS	Barber	BARBER
001727	RS	Retail Operator	RETAIL OPER
002806*	RS	Postal Clerk	POSTAL CLERK
002822**	RW	Robotics Warfare (RW) Systems Specialist	RW SYS SPEC
002823**	RW	Robotics Warfare (RW) Systems Manager	RW SYS MGR
001775**	SB	Special Warfare Combat Crewman Basic	SWCC BASIC
001782**	SB	Special Warfare Combat Crewman Senior	SWCC SENIOR
001787**	SB	Special Warfare Combat Crewman Master	SWCC MASTER
002690	SN	Seaman	SEAMAN
001720**	SO	Sea, Air, and Land (SEAL)	SEAL
003747	STG	Anti-Submarine Warfare Operator	ASW OPERATOR
003748	STG	Anti-Submarine Warfare Technician	ASW TECHNICIAN
003746	STG	Anti-Submarine Warfare Manager	ASW MANAGER
001760	STS	Advanced Sonar Operator	ADV SONAR OPER
001765	STS	Sonar Supervisor	SONAR SUPV
001755	STS	Basic Sonar Operator	BAS SONAR OPER
001770*	SW	Steelworker	STEELWORKER
001537	TM	Tactical Weapons Operator	TACT WEP OPER
001542	TM	Tactical Weapons Manager	TACT WEP MGR
001547	TM	Tactical Weapons Technician	TACT WEP TECH
001792	UCT	Underwater Construction Technician	U CON TEC
001797	UT	Utilitiesman	UTILITIESMAN
001802	YN	Administrative Assistant	ADMIN ASST
001815	YN	Office Manager	OFFICE MANAGER
001810	YN	Administrative Supervisor	ADMIN SUPV
002767	YNS	Submarine Administrative Office Supervisor	SUB ADMN SUPV
002765	YNS	Submarine Administrative Assistant	SUB ADMIN ASST
002766	YNS	Submarine Administrative Manager	SUB ADMIN MGR

Job Code	Occupational Classification Code Non-Rating Specific (NRS)	Job Title	Short Title (14 Character)
001000*	NRS	Preventive Maintenance Manager	MAINT MGR
003706*	NRS	Workspace Trainer	WK TRAINER
003704*	NRS	Formal Instructor	FOR INST
003705*	NRS	Training Manager	TRAIN MGR
003803*	NRS	Landing Craft Air Cushion Deck Engineer	DECK ENG
003804*	NRS	Landing Craft Air Cushion Engineer	ENGINEER
003805*	NRS	Landing Craft Air Cushion Loadmaster	LOADMSTER
003806*	NRS	Landing Craft Air Cushion Operator/Navigator	NAVIGATOR
003716*	NRS	Primary Leader	PRI LDR
003717*	NRS	Advanced Leader	ADV LDR
003718*	NRS	Executive Leader	EXEC LDR
003719*	NRS	First Line Leader	FST LDR
003714*	NRS	Command Leader	CMD LDR
003715*	NRS	Foundational Leader	FDTN LDR
001577*	NRS	Mobile Utilities Support Equipment Technician	MUSE TEC
001017	NRS	Special Compartmented Information Security Program Specialist	SCI SPEC
001854	NRS	Officer Candidate, Midshipman	OCS MIDSHI
003759	NRS	Human Resources Specialist	HR SPEC
003758	NRS	Hospitality Specialist	HOSP SPEC
003756	NRS	Electronics Maintenance Technician	E MAIN TEC
003814*	NRS	Electrical Maintenance Technician	ELEC MAIN TECH
003752*	NRS	Aviation Maintenance Technician	AVMAIN TEC
003813*	NRS	Mechanical Maintenance Technician	MECH MAIN TECH
003753	NRS	Ceremonial Specialist	CEREM SPEC
003766	NRS	Recruiter	RECRUITER
001008	NRS	Equal Opportunity Advisor	EO ADVISOR
003757	NRS	Environmental Specialist	ENVIR SPEC
002648	NRS	Boat Crew Specialist	BTCRW SPEC
002649	NRS	Camp/Convoy Security Specialist	CPCV SSPEC
002795*	NRS	Food Service Attendant	FSA
001839	NRS	Officer Candidate, Civil Engineer	OCS CIVIL
001910	NRS	Correctional Counselor	CORRECT CO
001844	NRS	Officer Candidate, Nuclear Propulsion	OCS NUCLEAR
002650	NRS	Boarding Specialist	BOARD SPEC
003755	NRS	Preparedness Operations Specialist	DIS PREP SPEC

Job Code	Occupational Classification Code Non-Rating Specific (NRS)	Job Title	Short Title (14 Character)
001800	NRS	Drug and Alcohol Counselor Intern	DAC INTERN
001830	NRS	Officer Candidate, Aviation Officer	OCS AVIATI
003754	NRS	Counselor	COUNSELOR
001872	NRS	Prisoner	PRISONER
001859	NRS	Transient	TRANSIENT
003760	NRS	Inspector	INSPECTOR
003762	NRS	Logistics Support Technician	LOGSU TEC
003763	NRS	Maintenance Technician	MAINT TEC
003764	NRS	Office Support Specialist	OFSU SPEC
003765	NRS	Operations Support Technician	OPSU TEC
001867	NRS	Patient	PATIENT
001849	NRS	Officer Candidate, School	OCS SCHOOL
003802*	NRS	LCAC Craftmaster	LCAC CRAFT MSTR
001877	NRS	Holdee	HOLDEE
001820	NRS	Student	STUDENT
001825	NRS	Officer Candidate, NAC	OCS NAC
003767	NRS	Security Support Specialist	SECSU SPEC
003768	NRS	Support Services Specialist	SUSRV SPEC
003769	NRS	Transportation Specialist	TRANS SPEC
003696*	NRS	Deployability Coordinator	DEPLOY COORD

*Administrative Changes
**Community-Directed Job/Short Title Revisions
NEBC Table, Change 107

Skills

Skills are proficiencies that are developed through training or experience. The 35 O*NET skills are located at: https://www.onetcenter.org/reports/AOSkills_ProcUpdate.html.

Skills	Description
Active Learning	Understanding the implications of new information for both current and future problem-solving and decision-making.
Active Listening	Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
Complex Problem Solving	Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.
Coordination	Adjusting actions in relation to others' actions.
Critical Thinking	Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
Equipment Maintenance	Performing routine maintenance on equipment and determining when and what kind of maintenance is needed.
Equipment Selection	Determining the kind of tools and equipment needed to do a job.
Installation	Installing equipment, machines, wiring, or programs to meet specifications.
Instructing	Teaching others how to do something.
Judgment and Decision Making	Considering the relative costs and benefits of potential actions to choose the most appropriate one.
Learning Strategies	Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.
Management of Financial Resources	Determining how money will be spent to get the work done, and accounting for these expenditures.
Management of Material Resources	Obtaining and seeing to the appropriate use of equipment, facilities, and materials needed to do certain work.
Management of Personnel Resources	Motivating, developing, and directing people as they work, identifying the best people for the job.
Mathematics	Using mathematics to solve problems.
Monitoring	Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
Negotiation	Bringing others together and trying to reconcile differences.
Operation and Control	Controlling operations of equipment or systems.
Operation Monitoring	Watching gauges, dials, or other indicators to make sure a machine is working properly.
Operations Analysis	Analyzing needs and product requirements to create a design.
Persuasion	Persuading others to change their minds or behavior.
Programming	Writing computer programs for various purposes.
Quality Control Analysis	Conducting tests and inspections of products, services, or processes to evaluate quality or performance.
Reading Comprehension	Understanding written sentences and paragraphs in work related documents.
Repairing	Repairing machines or systems using the needed tools.
Science	Using scientific rules and methods to solve problems.
Service Orientation	Actively looking for ways to help people.
Social Perceptiveness	Being aware of others' reactions and understanding why they react as they do.
Speaking	Talking to others to convey information effectively.
Systems Analysis	Determining how a system should work and how changes in conditions, operations, and the environment will affect outcomes.

Skills (Cont'd)

Skills	Description
Systems Evaluation	Identifying measures or indicators of system performance and the actions needed to improve or correct performance, relative to the goals of the system.
Technology Design	Generating or adapting equipment and technology to serve user needs.
Time Management	Managing one's own time and the time of others.
Troubleshooting	Determining causes of operating errors and deciding what to do about it.
Writing	Communicating effectively in writing as appropriate for the needs of the audience.

Abilities

Abilities are enduring attributes of the individual that influence performance. The 52 O*NET abilities are located at: https://www.onetcenter.org/reports/AnalystProcUpdate.html.

Abilities	Description
Arm-hand Steadiness	Keeping your hand and arm steady while moving your arm or while holding your arm and hand in one position.
Auditory Attention	Focusing on a single source of sound in the presence of other distracting sounds.
Category Flexibility	Generating or using different sets of rules for combining or grouping things in different ways.
Control Precision	Quickly and repeatedly adjusting the controls of a machine or a vehicle to exact positions.
Deductive Reasoning	Applying general rules to specific problems to produce answers that make sense.
Depth Perception	Judging which of several objects is closer or farther away from you, or to judge the distance between you and an object.
Dynamic Flexibility	Quickly and repeatedly bending, stretching, twisting, or reaching out with your body, arms, and/or legs.
Dynamic Strength	Exerting muscle force repeatedly or continuously over time. This involves muscular endurance and resistance to muscle fatigue.
Explosive Strength	Using short bursts of muscle force to propel oneself (as in jumping or sprinting) or to throw an object.
Extent Flexibility	Bending, stretching, twisting, or reaching with your body, arms, and/or legs.
Far Vision	Seeing details at a distance.
Finger Dexterity	Making precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects.
Flexibility of Closure	Identifying or detecting a known pattern (a figure, object, word, or sound) that is hidden in other distracting material.
Fluency of Ideas	Coming up with a number of ideas about a topic (the number of ideas is important, not their quality, correctness, or creativity).
Glare Sensitivity	Seeing objects in the presence of a glare or bright lighting.
Gross Body Coordination	Coordinating the movement of your arms, legs, and torso together when the whole body is in motion.
Gross Body Equilibrium	Keeping or regaining your body balance or stay upright when in an unstable position.
Hearing Sensitivity	Detecting or telling the differences between sounds that vary in pitch and loudness.
Inductive Reasoning	Combining pieces of information to form general rules or conclusions (includes finding a relationship among seemingly unrelated events).
Information Ordering	Arranging things or actions in a certain order or pattern according to a specific rule or set of rules (e.g., patterns of numbers, letters, words, pictures, mathematical operations).
Manual Dexterity	Quickly moving your hand, your hand together with your arm, or your two hands to grasp, manipulate or assemble objects.
Mathematical Reasoning	Choosing the right mathematical methods or formulas to solve a problem.
Memorization	Remembering information such as words, numbers, pictures, and procedures.
Multi-limb Coordination	Coordinating two or more limbs (for example, two arms, two legs, or one leg and one arm) while sitting, standing, or lying down. It does not involve performing the activities while the whole body is in motion.
Near Vision	Seeing details at close range (within a few feet of the observer).

Abilities (Cont'd)

Abilities	Description
Night Vision	Seeing under low-light conditions.
Number Facility	Adding, subtracting, multiplying, or dividing quickly and correctly.
Oral Comprehension	Listening to and understand information and ideas presented through spoken words and sentences.
Oral Expression	Communicating information and ideas in speaking so others will understand.
Originality	Coming up with unusual or clever ideas about a given topic or situation, or to develop creative ways to solve a problem.
Perceptual Speed	Quickly and accurately comparing similarities and differences among sets of letters, numbers, objects, pictures, or patterns. The things to be compared may be presented at the same time or one after the other. This ability also includes comparing a presented object with a remembered object.
Peripheral Vision	Seeing objects or movement of objects to one's side when the eyes are looking ahead.
Problem Sensitivity	Telling when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing that there is a problem.
Rate Control	Timing your movements or the movement of a piece of equipment in anticipation of changes in the speed and/or direction of a moving object or scene.
Reaction Time	Quickly responding (with the hand, finger, or foot) to a signal (sound, light, picture) when it appears.
Response Orientation	Choosing quickly between two or more movements in response to two or more different signals (lights, sounds, pictures). It includes the speed with which the correct response is started with the hand, foot, or other body part.
Selective Attention	Concentrating on a task over a period of time without being distracted.
Sound Localization	Telling the direction from which a sound originated.
Spatial Orientation	Knowing your location in relation to the environment or to know where other objects are in relation to you.
Speech Clarity	Speaking clearly so others can understand you.
Speech Recognition	Identifying and understand the speech of another person.
Speed of Closure	Quickly making sense of, combining, and organizing information into meaningful patterns.
Speed of Limb Movement	Quickly moving the arms and legs.
Stamina	Exerting yourself physically over long periods of time without getting winded or out of breath.
Static Strength	Exerting maximum muscle force to lift, push, pull, or carry objects.
Time sharing	Shifting back and forth between two or more activities or sources of information (such as speech, sounds, touch, or other source
Trunk Strength	Using your abdominal and lower back muscles to support part of the body repeatedly or continuously over time without "giving out" or fatiguing.
Visual Color Discrimination	Matching or detect differences between colors, including shades of color and brightness.
Visualization	Imagining how something will look after it is moved around or when its parts are moved or rearranged.
Wrist-finger Speed	Making fast, simple, repeated movements of the fingers, hands, and wrists.
Written Comprehension	Reading and understand information and ideas presented in writing.
Written Expression	Communicating information and ideas in writing so others will understand.

APPENDIX D

SCHEDULES FOR OCCUPATIONAL STANDARD (OCCSTD) REVISIONS

OCCSTDs are reviewed on a periodic basis. OCCSTD revision schedules can change based on the complexity of the rating, warfare sponsor requests, and the needs of the Navy. The OCCSTD revision schedules are shown below. (NOTE: Should there be a need for a review to be postponed and/or rescheduled, customers can send request to NAVMACCODE10@us.navy.mil)

RATINGS	PERIODICITY	PUBLISHED	PERIODIC REVIEW
ABE	5 years	2023	2028
ABF	5 years	2023	2028
ABH	5 years	2023	2028
AC	3 years	2025	2028
AD	3 years	2025	2028
AE	3 years	2025	2028
AG	8 years	2023	2031
AM	3 years	2025	2028
AME	4 years	2025	2029
AN	8 years	2022	2030
AO	4 years	2025	2029
AS	8 years	2026	2034
AT	3 years	2026	2029
AWF	4 years	2024	2028
AWO	4 years	2024	2028
AWR	4 years	2024	2028
AWS	4 years	2024	2028
AWV	4 years	2024	2028
AZ	4 years	2023	2027
BM	5 years	2021	2026
BU	3 years	2024	2027
CE	3 years	2024	2027
CM	3 years	2024	2027
CN	8 years	2023	2031
CS	8 years	2026	2034
CSS	8 years	2026	2034
CTI	2 years	2025	2027
CTM	4 years	2023	2027
CWT(CTN)	2 years	2025	2027
CTR	2 years	2025	2026
CTT	2 years	2025	2026

RATINGS	PERIODICITY	PUBLISHED	PERIODIC REVIEW
DC	4 years	2025	2029
EA	3 years	2024	2027
EM	4 years	2026	2030
EMN	4 years	2026	2030
EN	4 years	2025	2029
EO	3 years	2026	2029
EOD	5 years	2025	2030
ET	3 years	2025	2028
ETN	4 years	2026	2030
ETV	4 years	2026	2030
FC	2 years	2025	2027
FCA	2 years	2025	2027
FN	8 years	2022	2030
FT	4 years	2025	2029
GM	4 years	2026	2030
GSE	2 years	2025	2027
GSM	2 years	2025	2027
HM	3 years	2024	2027
HN	3 years	2024	2027
HT	6 years	2026	2032
IC	3 years	2026	2029
IS	2 years	2025	2027
IT	2 years	2025	2027
ITE	2 years	2025	2027
ITN	2 years	2025	2027
ITR	2 years	2025	2027
LN	8 years	2020	2028
LS	8 years	2026	2034
LSS	8 years	2026	2034
MA	3 years	2025	2028
MC	8 years	2024	2032
MM	3 years	2024	2027
MMA	8 years	2023	2031
MMN	4 years	2026	2030
MN	4 years	2022	2026
MR	6 years	2020	2026
MT	4 years	2024	2028
MU	8 years	2026	2034
NCC	4 years	2025	2029

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RATINGS	PERIODICITY	PUBLISHED	PERIODIC REVIEW
NCR	4 years	2024	2028
ND	8 years	2021	2029
OS	2 years	2026	2028
PR	4 years	2025	2029
PS	4 years	2023	2027
QM	4 years	2026	2030
RP	8 years	2026	2034
RS	8 years	2026	2034
RW	2 years	2026	2028
SB	4 years	2025	2029
SN	8 years	2022	2030
SO	4 years	2025	2029
STG	3 years	2024	2027
STS	3 years	2025	2028
SW	3 years	2024	2027
TM	4 years	2024	2028
UT	3 years	2024	2027
YN	8 years	2026	2034
YNS	8 years	2025	2033
NAVSTDs	8 years	2022	2030

APPENDIX E

RATING ADVISORS

Primary and technical rating advisors from among the Deputy Chiefs of Naval Operations, Systems Commanders, and heads of other offices, assist the Chief of Naval Operations and the Chief of Naval Personnel in executing their responsibilities for enlisted manpower and personnel. OPNAVINST 1223 series contains the definitions and responsibilities for enlisted rating advisors. This appendix will be reviewed every 3 years.

RATING	PRIMARY ADVISOR	TECHNICAL ADVISOR
ABE	OPNAV N98	NAVAIR
ABF	OPNAV N98	NAVAIR
ABH	OPNAV N98	NAVAIR
AC	OPNAV N98	NAVAIR
AD	OPNAV N98	NAVAIR
AE	OPNAV N98	NAVAIR
AG	OPNAV N960, N99	NAVIFOR, CNMOC, NAVMETOC
AM	OPNAV N98	NAVAIR
AME	OPNAV N98	NAVAIR
AN	OPNAV N98	NAVAIR
AO	OPNAV N98	NAVAIR
AS	OPNAV N98	NAVAIR
AT	OPNAV N98	NAVAIR
AWF	OPNAV N98	NAVAIR
AWO	OPNAV N98	NAVAIR
AWR	OPNAV N98	NAVAIR
AWS	OPNAV N98	NAVAIR
AWV	OPNAV N98	NAVAIR
AZ	OPNAV N98	NAVAIR
BM	OPNAV N96	NAVSEA
BU	OPNAV N95	NAVFACENG
CE	OPNAV N95	NAVFACENG
CM	OPNAV N95	NAVFACENG
CN	OPNAV N95	NAVFACENG
CS	OPNAV N4	NAVSUP
CSS	OPNAV N97, OPNAV N4	NAVSUP
CTI	OPNAV N99	NAVIFOR
CTM	OPNAV N99	NAVIFOR
CTR	OPNAV N99	NAVIFOR
CTT	OPNAV N99	NAVIFOR

RATING	PRIMARY ADVISOR	TECHNICAL ADVISOR
CWT	OPNAV N99	NAVIFOR
DC	OPNAV N96	NAVSEA
EA	OPNAV N95	NAVFACENG
EM	OPNAV N96, N98	NAVSEA, NAVAIR
EMN	OPNAV N97 via OPNAV N133	NAVSEA 08
EN	OPNAV N96, N95	NAVSEA, SPECWAR
EO	OPNAV N95	NAVFACENG
EOD	OPNAV N95	BUPERS-312 EOD
ET	OPNAV N96, N98	NAVAIR, NAVSEA, NAVWAR
ETN	OPNAV N97 via OPNAV N133	NAVSEA 08
ETV	OPNAV N97	NAVSEA, IWS6
FC	OPNAV N96	NAVSEA (PMS-471), NAVSEA (PMS-461)
FCA	OPNAV N96	NAVSEA (PMS-471), NAVSEA (PMS-461)
FN	OPNAV N96	NAVSEA
FT	OPNAV N97	NAVSEA, DIRSSP
GM	OPNAV N96	NAVAIR, NAVSEA
GSE	OPNAV N96	NAVSEA
GSM	OPNAV N96	NAVSEA
HM	OPNAV N09	BUMED (N01C5)
HN	OPNAV N09	BUMED (N01C5)
HT	OPNAV N96	NAVSEA
IC	OPNAV N96, N98	NAVSEA, NAVAIR
IS	OPNAV N99	NAVIFOR, SPECWAR
IT	OPNAV N99, N98	NAVIFOR
ITE	OPNAV N99, N97	COMSUBFOR, SECGRU, NAVIFOR, NAVWAR, NAVSEA, PMS-435
ITN	OPNAV N99, N97	COMSUBFOR, SECGRU, NAVWAR, NAVSEA, NAVIFOR
ITR	OPNAV N99, N97	COMSUBFOR, SECGRU, NAVWAR, NAVSEA, NAVIFOR
LN	NJS	NJS
LS	OPNAV N4, N98	NAVSUP
LSS	OPNAV N97	NAVSUP
MA	OPNAV N95	NCIS

RATING	PRIMARY ADVISOR	TECHNICAL ADVISOR
MC	OPNAV N09C, N98	NAVMEDIACEN, NAVAIR, CHINFO
MM	OPNAV N96	NAVSEA
MMA	OPNAV N97	NAVSEA
MMN	OPNAV N97 via OPNAV N133	NAVSEA
MN	OPNAV N95	NAVSEA
MR	OPNAV N96	NAVSEA
MT	OPNAV N97	DIRSSP
MU	OPNAV DNS via NAVY MUSIC (USNM)	FLEET BAND ACTIVITIES
NCC	CNP	N1FLT
NCR	CNRC	CNRC
ND	NECC	BUPERS 312ND, OPNAV N973
OS	OPNAV N6, N96	NAVSEA (PMS-461), NAVWAR, AEGIS TRAREDCEN
PR	OPNAV N95, N98	NAVAIR
PS	MNCC	MNCC
QM	OPNAV N96	NAVSEA, NAVWAR
RP	OPNAV N097B	OPNAV N097B
RS	OPNAV N4	NAVSUP, NEXCOM
RW	OPNAV N95	OPNAV N95
SB	OPNAV N95 via OPNAV N137	SPECWAR
SN	OPNAV N96	NAVSEA
SO	OPNAV N95 via OPNAV N137	SPECWAR
STG	OPNAV N96	NAVSEA (PMS-411), NAVSEA (PMS-490), ONI, NAVWAR
STS	OPNAV N97	NAVSEA, ONI, UWDC, PMS`-401, PMS-485
SW	OPNAV N95	NAVFACENG
TM	OPNAV N97	NAVSEA, PMS-404
UT	OPNAV N95	NAVFACENG
YN	MNCC	MNCC
YNS	OPNAV N97	DUSN, PERS-4, MNCC

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APPENDIX F

CRITERIA AND GUIDELINES FOR RECOMMENDING CHANGES TO STANDARDS

A. GENERAL

1. Appendix D details the periodicity of reviews and updates to enlisted Occupational Standards (OCCSTDs). Although the Navy Manpower Analysis Center (NAVMAC) conducts this review and update, all commands are urged to submit recommended changes to the OCCSTDs whenever they identify new, revised, or obsolete requirements. On occasion, there may be a need for a review to be postponed and/or rescheduled. Should this be the case, customers are required to complete and submit form *Request for Postponement/Unscheduled Review of Occupational Standard (OCCSTD).*

2. The procedure for developing updated OCCSTDs includes a preliminary review of current OCCSTDs by rating advisors. This validates and identifies new or changing requirements. U.S. Fleet Forces Command (USFF), Type Commanders, Commander, Naval Education and Training Command (NETC), rating advisors, enlisted community managers, and other interested activities then receive these proposals for review and comment. OCCSTDs are endorsed by the Primary Advisor(s) of each rating prior to approval and promulgated by the Director, Military Personnel Plans and Policy Division (N13).

3. If gaps associated with an OCCSTD are found during a task review event, complete and submit form *Recommended Changes to OCCSTD Proposal Document* which can be obtained from Navy Enlisted Occupational Standards (NAVPERS 18068F) VOL I, Appendix F, or requesting it from NAVMAC using the following address: E-mail: navmaccode10@us.navy.mil. This feedback will be evaluated during the next periodic review.

4. Forward recommended changes to OCCSTDs, via the chain of command, to:

Commanding Officer
Navy Manpower Analysis Center
5722 Integrity Drive
Millington, TN 38054-5011

OR

E-mail to: navmaccode10@us.navy.mil

B. CRITERIA

1. OCCSTDs should:

a. Be consistent with the approved scope of the rating.

b. Be stated as an action (i.e., a task to be done). The details of tasks are derived from task analyses and other data.

c. Be concise and understandable.

d. Reflect the paygrade level at which the task should normally be performed first. Changing factors, such as existing or projected low manning levels, should not influence paygrade determination.

e. Include only those tasks which are attainable by the average incumbent of a rate.

f. Reflect skill progression among the various paygrades as appropriate for the rating.

2. OCCSTDs should not include:

a. Knowledge requirements, which are implied in the performance of a task.

b. Qualifiers, such as perform an action "in accordance with..." It is assumed that personnel comply with applicable directives and publications when performing a task.

c. Enabling tasks, such as perform a task "in order to..." The purpose of the task should be evident.

d. Subordinate tasks (i.e., tasks which are elements or sub-tasks of a task which is broadly stated).

e. Specific identification of equipment (e.g., AN, MOD, MK, etc.). Such details are not necessary and are subject to rapid obsolescence.

f. Equipment or tool lists, such as listing of test equipment to be used. The equipment or tools to be used are inherent to the tasks to be performed. Such lists are questionable as to inclusiveness and accuracy.

g. Skills that are represented by the Naval Standards (found in NEOCS Manual VOL I, pg. 7).

h. Security requirements applicable to all Navy personnel as specified in DoD Publication 5200.1-R, OPNAVINST 5510 series. Specific security requirements may be selectively included in those ratings where special emphasis and qualification are required.

i. Safety requirements inherent to the performance of a task. Observing safety precautions should be continually emphasized on the job and in training programs. Safety requirements may be broadly stated at the supervisory level where special emphasis is required or at the managerial level for developing safety programs.

C. GUIDELINES AND FORMAT

1. Proposed changes (additions, revisions, or deletions) of existing rating standards shall be requested using the '*Recommended Changes to OCCSTDs Proposal Document*' sheet which can be obtained from Navy Enlisted Occupational Standards (NAVPERS 18068F) VOL I, Appendix F, or requesting it from NAVMAC using the following address: E-mail: navmaccode10@us.navy.mil.

2. If the proposed change is a revision to existing OCCSTD task, use the following format:

a. Complete the REVISE section.

b. Identify the OCCSTD task.

c. State the revision and the applicable change.

d. Give justification for the proposed change.

3. If the proposed change is a new OCCSTD task, use the following format:

a. Complete the ADD section.

b. State the proposed OCCSTD task and related data variables (e.g., paygrade, task type (core/non-core), jobs(s) assignment, and functional area).

c. Give justification for the proposed OCCSTD task.

4. If the proposed change is a deletion of an existing OCCSTD task, use the following format:

a. Complete the DELETE section.

b. Identify the OCCSTD task.

c. Identify applicable job(s) i.e. if only removing from specific jobs.

d. Give justification for deleting the OCCSTD task.

CHAPTER 1

AVIATION BOATSWAIN'S MATE (EQUIPMENT) (ABE)

NAVPERS 18068F-1E
Change 96

Updated: October 2023

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ADMINISTRATIVE/SUPPLY AND SUPPORT	ABE-5
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NAVY ENLISTED OCCUPATIONAL STANDARD FOR

AVIATION BOATSWAIN'S MATE (LAUNCHING AND RECOVERY EQUIPMENT) (ABE)

SCOPE OF RATING

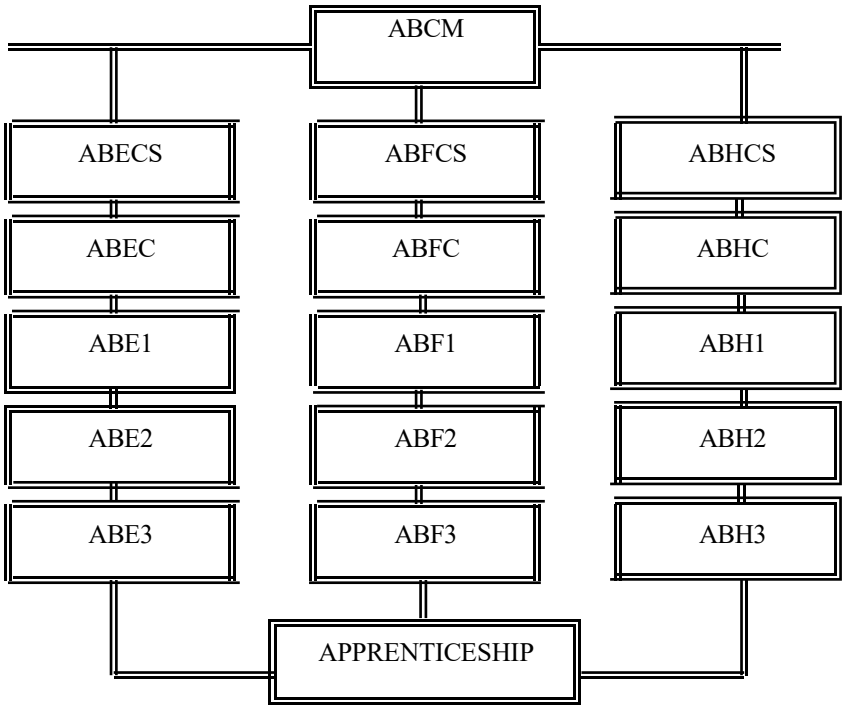
Aviation Boatswain's Mates (AB) operate, maintain, and perform organizational maintenance on catapults, arresting gear, barricades, and associated flight deck launching and recovery equipment; operate and service aircraft ground-handling equipment and machinery; operate and service aircraft crash, firefighting, and rescue equipment; handle aircraft afloat and ashore; operate, maintain, and repair aviation fueling, defueling, lubricating oil, and inert gas systems; perform crash rescue, firefighting, crash removal, and damage control duties; and perform administrative duties, implement training initiatives, and oversee/maintain divisional spaces.

Aviation Boatswain's Mates (Launching and Recovery Equipment) (ABE) operate, maintain, and perform maintenance on steam catapults, Electro-Magnetic Aircraft Launching Systems (EMALS), barricades, arresting gear, Advanced Arresting Gear (AAG), and associated equipment ashore and afloat; operate catapult hydraulic systems, retraction engines, water brakes, jet blast deflectors, Central Charging Panels (CCP), and Integrated Catapult Control Stations (ICCS), arresting gear engines, Uninterruptable Power Supply (UPS), sheave dampers, deckedge control stations, and associated equipment; and perform flight deck aircraft handling duties related to the operation of aircraft launching and recovery equipment.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 1.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Arresting Gear Technician

Job Code

002506

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	ARRESTING GEAR TECHNICIAN	ARST GEAR TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ABE	NECs DXXX and 7XXX series and other NECs as assigned

Job Description

Arresting Gear Technicians operate and maintain arresting gear, Advanced Arresting Gear (AAG), and barricade equipment systems; work with pressurized hydraulic and pneumatic equipment utilizing both basic and precision tools; perform preventative and corrective maintenance on equipment; maintain the material condition of all assigned spaces; perform recordkeeping; and demonstrate working knowledge of technical libraries and the Planned Maintenance System (PMS).

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Aircraft Launch Equipment	160400	Aircraft Launch and Recovery Specialists	55-3012.00	Military Specific

Skills	Abilities
Management of Material Resources	*Written Comprehension*
Critical Thinking	*Oral Expression*
Complex Problem Solving	*Inductive Reasoning*
Management of Personnel Resources	*Problem Sensitivity*
Systems Analysis	*Time Sharing*
Equipment Maintenance	*Dynamic Strength*
Judgment and Decision Making	*Information Ordering*
Monitoring	*Control Precision*
Operation Monitoring	*Speed of Closure*
Operation and Control	*Deductive Reasoning*

ADMINISTRATION/SUPPLY AND SUPPORT

Paygrade	Task Type	Task Statements
E7	CORE	Manage V2 divisional personnel, spaces, and administration
E5	CORE	Monitor arresting gear administrative operations
E4	CORE	Perform arresting gear administrative operations
E4	CORE	Perform material control operations
E6	CORE	Supervise arresting gear administrative operations
E6	CORE	Supervise V2 divisional personnel, spaces, and administration

AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT MAINTENANCE PROGRAM (ALREMP)

Paygrade	Task Type	Task Statements
E6	CORE	Maintain Aircraft Launch and Recovery Equipment Maintenance Program (ALREMP)
E7	CORE	Manage air department divisional (V2) maintenance and operations
E7	CORE	Manage Aircraft Launch and Recovery Equipment (ALRE) Quality Assurance (QA) branch
E7	CORE	Manage Aircraft Launch and Recovery Equipment Maintenance Program (ALREMP)
E7	CORE	Manage maintenance support branch

AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT MAINTENANCE PROGRAM (ALREMP) (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Monitor Aircraft Launch and Recovery Equipment (ALRE) Quality Assurance (QA) programs
E5	CORE	Monitor maintenance support operations
E4	CORE	Perform maintenance support operations
E6	CORE	Supervise maintenance support operations

RECOVERY SYSTEMS OPERATIONS AND MAINTENANCE

Paygrade	Task Type	Task Statements
E6	CORE	Conduct arresting gear Air Department Training Team (ADTT) briefs
E4	CORE	Conduct arresting gear barricade pre and post operational inspections
E4	CORE	Conduct arresting gear below deck operations
E4	CORE	Conduct arresting gear flight deck operations
E4	CORE	Conduct arresting gear flight deck pre and post operational inspections
E4	CORE	Conduct arresting gear functional tests
E5	CORE	Inspect arresting gear barricade equipment
E4	CORE	Inspect arresting gear below deck equipment
E4	CORE	Inspect arresting gear flight deck equipment
E7	CORE	Manage arresting gear maintenance and operations
E5	CORE	Monitor arresting gear for below deck emergencies (i.e., hydraulic leakage, erratic engine jerking/bounce back, low battery indicator, etc.)
E5	CORE	Monitor arresting gear for flight deck emergencies (i.e., sheave smoking excessively, stuck anchors, engine not retracting, etc.)
E4	CORE	Operate arresting gear barricade stations
E4	CORE	Operate arresting gear below deck stations
E4	CORE	Operate arresting gear flight deck stations
E4	CORE	Perform arresting gear barricade components preventive maintenance
E4	CORE	Perform arresting gear barricade equipment corrective maintenance
E4	CORE	Perform arresting gear below deck equipment corrective maintenance
E4	CORE	Perform arresting gear below deck preventive maintenance
E4	CORE	Perform arresting gear emergency response below deck
E4	CORE	Perform arresting gear emergency response on the flight deck
E4	CORE	Perform arresting gear flight deck equipment corrective maintenance
E4	CORE	Perform arresting gear flight deck equipment preventive maintenance
E5	CORE	Supervise arresting gear below deck inspections
E6	CORE	Supervise arresting gear below deck operations
E6	CORE	Supervise arresting gear crews
E6	CORE	Supervise arresting gear emergency below deck response
E6	CORE	Supervise arresting gear emergency flight deck response
E5	CORE	Supervise arresting gear flight deck inspections

RECOVERY SYSTEMS OPERATIONS AND MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise arresting gear flight deck operations
E6	CORE	Supervise arresting gear maintenance actions
E6	CORE	Supervise barricade corrective maintenance
E6	CORE	Supervise barricade rigging
E5	CORE	Troubleshoot arresting gear barricade equipment
E5	CORE	Troubleshoot arresting gear below deck equipment
E5	CORE	Troubleshoot arresting gear flight deck equipment

Job Title

Catapult Technician

Job Code

002584

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	CATAPULT TECHNICIAN	CATAPULT TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ABE	NECs DXXX and 7XXX series and other NECs as assigned

Job Description

Catapult Technicians operate and maintain catapult equipment and systems; work with pressurized hydraulic, pneumatic, electro-magnetic, and steam systems utilizing both basic and precision tools; perform preventative and corrective maintenance on equipment; maintain the material condition of all assigned spaces; perform recordkeeping; and demonstrate a strong working knowledge of technical libraries and the Planned Maintenance System (PMS).

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Aircraft Launch Equipment	160400	Aircraft Launch and Recovery Specialists	55-3012.00	Military Specific

Skills	Abilities
Management of Material Resources	*Written Comprehension*
Management of Personnel Resources	*Oral Expression*
Equipment Maintenance	*Time Sharing*
Repairing	*Deductive Reasoning*
Critical Thinking	*Information Ordering*
Complex Problem Solving	*Problem Sensitivity*
Judgment and Decision Making	*Inductive Reasoning*
Monitoring	*Category Flexibility*
Systems Analysis	*Control Precision*
Troubleshooting	*Multi-limb Coordination*

ADMINISTRATION/SUPPLY AND SUPPORT

Paygrade	Task Type	Task Statements
E7	CORE	Manage V2 divisional personnel, spaces, and administration
E5	CORE	Monitor catapult administrative operations
E4	CORE	Perform catapult administrative operations
E4	CORE	Perform material control operations
E6	CORE	Supervise V2 divisional personnel, spaces, and administration

AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT MAINTENANCE PROGRAM (ALREMP)

Paygrade	Task Type	Task Statements
E6	CORE	Maintain Aircraft Launch and Recovery Equipment Maintenance Program (ALREMP)
E7	CORE	Manage air department divisional (V2) maintenance and operations
E7	CORE	Manage Aircraft Launch and Recovery Equipment (ALRE) Quality Assurance (QA) branch
E7	CORE	Manage Aircraft Launch and Recovery Equipment Maintenance Program (ALREMP)
E7	CORE	Manage maintenance support branch
E6	CORE	Monitor Aircraft Launch and Recovery Equipment (ALRE) Quality Assurance (QA) programs
E5	CORE	Monitor maintenance support operations

AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT MAINTENANCE PROGRAM (ALREMP) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform maintenance support operations
E6	CORE	Supervise maintenance support operations

LAUNCHING SYSTEMS OPERATIONS AND MAINTENANCE

Paygrade	Task Type	Task Statements
E6	CORE	Conduct catapult Air Department Training Team (ADTT) briefs
E7	CORE	Manage catapult maintenance and operations
E6	CORE	Monitor catapult for below deck emergencies (i.e., sheave smoking excessively, stuck anchors, engine not retracting, etc.)
E6	CORE	Monitor catapult for flight deck emergencies (i.e., sheave smoking excessively, stuck anchors, engine not retracting, etc.)
E4	CORE	Operate catapult below deck stations
E4	CORE	Operate catapult flight deck stations
E4	CORE	Perform catapult below deck corrective maintenance
E4	CORE	Perform catapult below deck maintenance procedures
E4	CORE	Perform catapult below deck pre and post operational inspections
E4	CORE	Perform catapult below deck preventive maintenance
E5	CORE	Perform catapult emergency response below deck
E4	CORE	Perform catapult emergency response on the flight deck
E4	CORE	Perform catapult flight deck corrective maintenance
E4	CORE	Perform catapult flight deck maintenance procedures
E4	CORE	Perform catapult flight deck operations
E4	CORE	Perform catapult flight deck pre and post operational inspections
E4	CORE	Perform catapult flight deck preventive maintenance
E4	CORE	Perform catapult functional tests
E6	CORE	Supervise bow catapult crews
E6	CORE	Supervise catapult administrative operations
E6	CORE	Supervise catapult below deck inspections
E6	CORE	Supervise catapult emergency below deck response
E6	CORE	Supervise catapult emergency flight deck response
E6	CORE	Supervise catapult flight deck corrective maintenance
E6	CORE	Supervise catapult flight deck inspections
E6	CORE	Supervise catapult flight deck operations
E6	CORE	Supervise catapult test procedures
E6	CORE	Supervise execution of catapult below deck corrective maintenance procedures
E6	CORE	Supervise waist catapult crews
E4	CORE	Troubleshoot catapult below deck equipment
E4	CORE	Troubleshoot catapult flight deck equipment

CHAPTER 1

AVIATION BOATSWAIN'S MATE (FUELS) (ABF)

NAVPERS 18068F-1E
Change 96

Updated: October 2023

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

AVIATION BOATSWAIN'S MATE (FUELS) (ABF)

SCOPE OF RATING

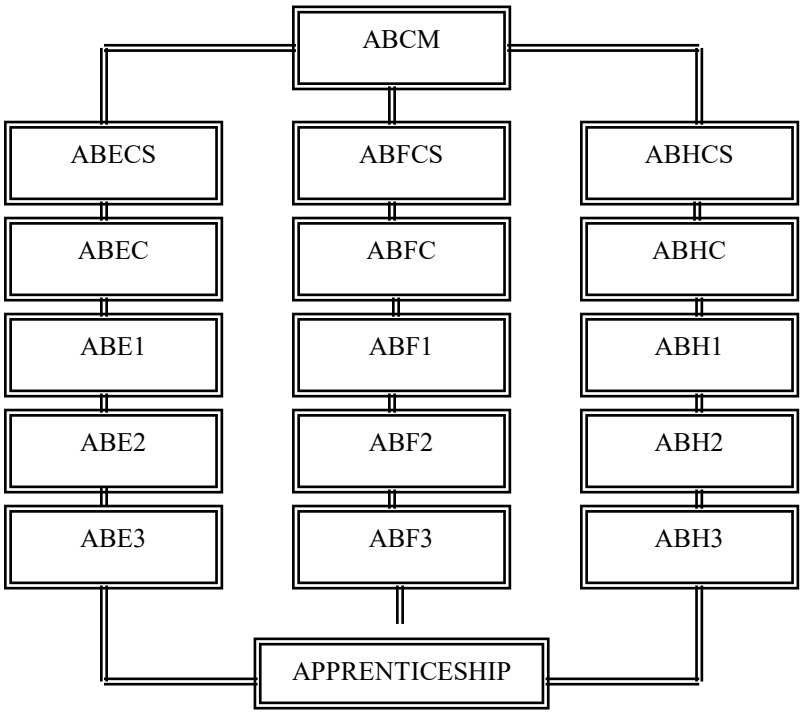
Aviation Boatswain's Mates (AB) operate, maintain, and perform organizational maintenance on catapults, arresting gear, barricades, and associated flight deck launching and recovery equipment; operate and service aircraft ground-handling equipment and machinery; operate and service aircraft crash, firefighting, and rescue equipment; handle aircraft afloat and ashore; operate, maintain, and repair aviation fueling, defueling, lubricating oil, and inert gas systems; perform crash rescue, firefighting, crash removal, and damage control duties; and perform administrative duties, implement training initiatives, and oversee/maintain divisional spaces.

Aviation Boatswain's Mates (Fuels) (ABF) operate, maintain, and perform organizational maintenance on aviation fueling and lubricating oil systems within Carrier, Volplane, Nuclear (CVN), Landing Helicopter Assault (LHA), Landing Helicopter Dock (LHD), Landing Platform Dock (LPD), and air capable platforms including aviation fuel and lubricating oil service stations and pump rooms, piping, valves, pumps, tanks, and portable equipment related to the fuel system; operate, maintain, and repair valves and piping of purging and protective systems within the air department's spaces aboard ship; supervise the operation and servicing of fuel farms and equipment associated with the fueling and defueling of aircraft ashore and afloat; operate and service motorized fueling equipment; maintain fuel quality surveillance and control in aviation fuel systems ashore and afloat; train, direct, and supervise firefighting crews, fire rescue teams, and damage control parties in assigned fuel and lubricating oil spaces; and observe and enforce fuel handling safety precautions.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 1.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Aviation Fuels Below Decks Operations Technician 001030

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	AVFUELS BLWDECK OPS TECH	FUEL BDCK TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ABF	NEC DXXX and 7XXX series and other NECs as assigned

Job Description

Aviation Fuels Below Decks Operations Technicians ensure, supervise, and manage the safe receipt, transfer, purification and issue of JP-5 aviation fuel to various locations throughout the ship; take samples; sound tanks; operate auxiliary, service, transfer, and stripping systems to perform various functions; perform preventive and corrective maintenance on equipment; and maintain the material condition of assigned spaces.

DoD Relationship

Group Title	*DoD Code*
Missile Fuel and Petroleum	182100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Pump Operators, Except Wellhead Pumpers	53-7072.00	Transportation and Material Moving

Skills	Abilities
Equipment Selection	*Problem Sensitivity*
Monitoring	*Written Comprehension*
Operation Monitoring	*Response Orientation*
Critical Thinking	*Control Precision*
Judgment and Decision Making	*Memorization*
Management of Material Resources	*Hearing Sensitivity*
Quality Control Analysis	*Information Ordering*
Writing	*Near Vision*
Mathematics	*Number Facility*
Management of Personnel Resources	*Finger Dexterity*

BELOW DECKS SYSTEM EQUIPMENT MAINTENANCE

Paygrade	Task Type	Task Statements
E5	CORE	Coordinate below decks systems equipment repairs
E4	CORE	Perform below decks systems equipment planned maintenance
E4	CORE	Perform below decks systems equipment repairs
E4	CORE	Perform below decks systems preventive/corrective maintenance using procedures
E6	CORE	Supervise below decks systems equipment repair
E5	CORE	Supervise below decks systems preventive/corrective maintenance using procedures

BELOW DECKS SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Align JP-5 transfer system for Underway Replenishment (UNREP)
E7	CORE	Approve tank sequences
E5	CORE	Conduct below decks systems space inspections
E6	CORE	Coordinate Underway Replenishment (UNREP) stations
E4	CORE	Detect below decks systems material deficiencies
E4	CORE	Detect pump room equipment deficiencies

BELOW DECKS SYSTEM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage below decks personnel routines
E7	CORE	Manage below decks systems operations
E7	CORE	Manage fuel system liquid loads
E5	CORE	Monitor ballasting and de-ballasting system operations
E4	CORE	Monitor catapult lube oil system operations
E5	CORE	Monitor fuel transfer system operations
E5	CORE	Monitor JP-5 auxiliary fuel systems operations
E5	CORE	Monitor JP-5 reclamation system operations
E5	CORE	Monitor JP-5 service system operations
E5	CORE	Monitor JP-5 stripping system operations
E5	CORE	Monitor JP-5 transfer system for Underway Replenishment (UNREP)
E4	CORE	Perform ballasting and de-ballasting system operations
E4	CORE	Perform below decks systems casualty/emergency drills
E4	CORE	Perform catapult lube oil system operations
E4	CORE	Perform filter room operations
E4	CORE	Perform JP-5 below decks auxiliary fuel systems operations
E4	CORE	Perform JP-5 reclamation system operations
E4	CORE	Perform JP-5 service system operations
E4	CORE	Perform JP-5 stripping system operations
E4	CORE	Perform JP-5 transfer system operations
E4	CORE	Perform tank sounding
E5	CORE	Prepare fuel sounding reports
E4	CORE	Prepare sponson for Underway Replenishment (UNREP)
E6	CORE	Supervise below decks systems casualty/emergency drills
E7	CORE	Supervise fuel offload
E6	CORE	Supervise fuel system liquid loads
E6	CORE	Supervise sponson status of Underway Replenishment (UNREP)
E7	CORE	Verify sounding report accuracy

FLIGHT/HANGAR DECK OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Perform flight/hangar deck fuel system casualty/emergency drills

QUALITY SURVEILLANCE

Paygrade	Task Type	Task Statements
E4	CORE	Determine fuel characteristics
E4	CORE	Obtain appropriate sample for below decks fueling systems
E4	CORE	Perform Quality Surveillance (QS) tests
E5	CORE	Supervise aviation fuel Quality Surveillance (QS) tests

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Input Organizational Maintenance Management System (OMMS) job data
E6	CORE	Maintain aviation fuels accountability logs and records
E7	NON-CORE	Manage below decks manning requirements
E6	CORE	Manage below decks training programs
E7	CORE	Manage Ship Operation Management System (SOMS)
E7	CORE	Verify Current Ships Maintenance Plans (CSMP)
E6	CORE	Verify Organizational Maintenance Management System (OMMS) jobs

Job Title **Job Code**

Aviation Fuels Flight Deck Operations Technician 001085

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	AVFUELS FLTDECK OPS TECH	FUEL FLT DECK

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ABF	NEC DXXX and 7XXX series and other NECs as assigned

Job Description

Aviation Fuels Flight Deck Operations Technicians ensure, supervise, and manage the safe receipt, transfer and issue of JP-5 aviation fuel to various locations throughout the ship; take samples; perform Quality Surveillance (QS) of fuels; sound tanks; align and operate flight deck fueling stations; fuel and defuel aircraft and Support Equipment (SE); perform preventive and corrective maintenance on equipment; and maintain the material condition of assigned spaces.

DoD Relationship

Group Title	*DoD Code*
Missile Fuel and Petroleum	182100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Maintenance Workers, Machinery	49-9043.00	Installation, Maintenance, and Repair

Skills	Abilities
Monitoring	*Problem Sensitivity*
Operation and Control	*Reaction Time*
Equipment Selection	*Written Comprehension*
Operation Monitoring	*Memorization*
Critical Thinking	*Inductive Reasoning*
Management of Personnel Resources	*Information Ordering*
Judgment and Decision Making	*Hearing Sensitivity*
Management of Material Resources	*Near Vision*
Quality Control Analysis	*Selective Attention*
Reading Comprehension	*Finger Dexterity*

BELOW DECKS SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate Underway Replenishment (UNREP) stations
E5	CORE	Monitor JP-5 auxiliary fuel systems operations
E5	CORE	Monitor JP-5 service system operations
E4	CORE	Perform tank sounding
E4	CORE	Prepare sponson for Underway Replenishment (UNREP)
E7	CORE	Supervise fuel offload
E6	CORE	Supervise fuel system liquid loads
E6	CORE	Supervise sponson status of Underway Replenishment (UNREP)
E7	CORE	Verify sounding report accuracy

FLIGHT/HANGAR DECK EQUIPMENT MAINTENANCE

Paygrade	Task Type	Task Statements
E5	CORE	Coordinate flight/hangar deck fuel system equipment repairs
E4	CORE	Perform aviation fuels flight/hangar deck equipment planned maintenance
E4	CORE	Perform flight/hangar deck equipment repairs
E4	CORE	Perform flight/hangar deck preventive/corrective maintenance using procedures
E6	CORE	Supervise flight/hangar deck equipment repair using procedures

FLIGHT/HANGAR DECK EQUIPMENT MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise flight/hangar deck fuel system casualty/emergency drills
E5	CORE	Supervise flight/hangar deck preventive/corrective maintenance using procedures

FLIGHT/HANGAR DECK OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Conduct flight/hangar deck station inspections
E4	CORE	Defuel aircraft
E4	CORE	Detect fueling stations equipment deficiencies
E4	CORE	Detect fueling stations material deficiencies
E7	CORE	Manage aircraft emergency defueling operations
E6	CORE	Manage flight deck personnel routines
E7	CORE	Manage flight/hangar deck fueling operations
E4	CORE	Monitor aircraft fueling stations alignments
E4	CORE	Perform flight deck hot refueling operations
E4	CORE	Perform flight/hangar deck cold refueling operations
E4	CORE	Perform flight/hangar deck fuel system casualty/emergency drills
E4	CORE	Perform flight/hangar deck fuel systems auxiliary operations
E4	CORE	Perform flight/hangar deck station operations
E4	CORE	Perform Motor Gasoline (MOGAS) issue
E5	CORE	Perform Motor Gasoline (MOGAS) onloading/offloading
E5	CORE	Supervise aircraft defueling operations
E5	CORE	Supervise aircraft-to-aircraft fuel transfers
E5	CORE	Supervise emergency aircraft defueling using procedures
E5	CORE	Supervise flight deck hot refueling operations
E5	CORE	Supervise flight/hangar deck cold refueling operations
E5	CORE	Supervise Motor Gasoline (MOGAS) issue
E7	CORE	Supervise Motor Gasoline (MOGAS) onloading/offloading
E5	CORE	Supervise refueling crews operations

QUALITY SURVEILLANCE

Paygrade	Task Type	Task Statements
E4	CORE	Determine fuel characteristics
E6	CORE	Manage fuels Quality Surveillance (QS) team routine
E4	CORE	Obtain appropriate sample for laboratory analysis from fueling stations/sponsons
E4	CORE	Perform Quality Surveillance (QS) tests
E5	CORE	Supervise aviation fuel Quality Surveillance (QS) tests

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Input Organizational Maintenance Management System (OMMS) job data
E6	CORE	Maintain aviation fuels accountability logs and records

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage flight deck manning requirements
E6	CORE	Manage flight/hangar deck training programs
E7	CORE	Manage Ship Operation Management System (SOMS)
E7	CORE	Validate accuracy of Quality Surveillance (QS) logs
E7	CORE	Verify Current Ships Maintenance Plans (CSMP)
E6	CORE	Verify Organizational Maintenance Management System (OMMS) jobs

Job Title

Aviation Fuels Shore Based Operations Technician

Job Code

001140

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	AVFUELS ASHORE OPS TECH	FUEL SHORE TEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ABF	NEC DXXX and 7XXX series and other NECs as assigned

Job Description

Aviation Fuels Shore Based Operations Technicians ensure, supervise, and manage the safe receipt, transfer and issue of JP-5 aviation fuel to assigned and transient aircraft, as well as support equipment; take samples; sound tanks; coordinate refueling points; perform refuel and defuel operations; provide fuel for Jet Test facilities; conduct Quality Surveillance (QS) checks on fuel, aligning service, operating transfer, and stripping systems to perform various functions; perform preventive and corrective maintenance on equipment; and maintain the material condition of assigned spaces.

DoD Relationship

Group Title	*DoD Code*
Missile Fuel and Petroleum	182100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Pump Operators, Except Wellhead Pumpers	53-7072.00	Transportation and Material Moving

Skills	Abilities
Operation and Control	*Problem Sensitivity*
Monitoring	*Reaction Time*
Equipment Selection	*Selective Attention*
Operation Monitoring	*Memorization*
Equipment Maintenance	*Near Vision*
Quality Control Analysis	*Written Comprehension*
Reading Comprehension	*Arm-Hand Steadiness*
Writing	*Finger Dexterity*
Critical Thinking	*Number Facility*
Mathematics	*Category Flexibility*

BELOW DECKS SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Perform tank sounding
E5	CORE	Prepare fuel sounding reports
E6	CORE	Supervise fuel system liquid loads
E7	CORE	Verify sounding report accuracy

FLIGHT/HANGAR DECK OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Detect fueling stations equipment deficiencies
E4	CORE	Detect fueling stations material deficiencies
E7	CORE	Manage aircraft emergency defueling operations
E4	CORE	Monitor aircraft fueling stations alignments
E5	CORE	Supervise aircraft-to-aircraft fuel transfers
E5	CORE	Supervise emergency aircraft defueling using procedures
E5	CORE	Supervise refueling crews operations

QUALITY SURVEILLANCE

Paygrade	Task Type	Task Statements
E4	CORE	Determine fuel characteristics
E6	CORE	Manage fuels Quality Surveillance (QS) team routine
E4	CORE	Obtain appropriate sample for laboratory analysis from fueling stations/sponsons
E4	CORE	Perform Quality Surveillance (QS) tests
E5	CORE	Supervise aviation fuel Quality Surveillance (QS) tests

SHORE BASED REFUELING

Paygrade	Task Type	Task Statements
E4	CORE	Perform shore based defueling operations
E4	CORE	Perform shore based direct refueling operations
E4	CORE	Perform shore based equipment maintenance
E4	CORE	Perform shore based equipment planned maintenance
E4	CORE	Perform shore based mobile refueling operations
E5	CORE	Supervise shore based defueling operations
E5	CORE	Supervise shore based direct refueling operations
E5	CORE	Supervise shore based mobile refueling operations
E5	CORE	Supervise shore based preventative/corrective maintenance using procedures
E5	CORE	Verify shore facility fuel station pressure gauges

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	CORE	Maintain aviation fuels accountability logs and records
E7	CORE	Validate accuracy of Quality Surveillance (QS) logs

CHAPTER 1

AVIATION BOATSWAIN'S MATE (HANDLING) (ABH)

NAVPERS 18068F-1E
Change 96

Updated: October 2023

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

AVIATION BOATSWAIN'S MATE (AIRCRAFT HANDLING) (ABH)

SCOPE OF RATING

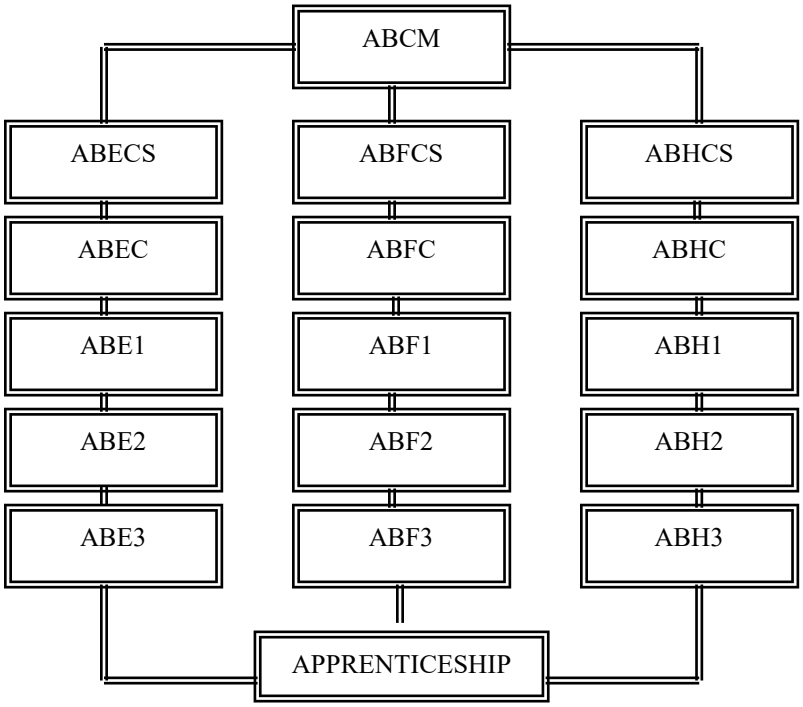
Aviation Boatswain's Mates (AB) operate, maintain, and perform organizational maintenance on catapults, arresting gear, barricades, and associated flight deck launching and recovery equipment; operate and service aircraft ground-handling equipment and machinery; operate and service aircraft crash, firefighting, and rescue equipment; handle aircraft afloat and ashore; operate, maintain, and repair aviation fueling, defueling, lubricating oil, and inert gas systems; perform crash rescue, firefighting, crash removal, and damage control duties; and perform administrative duties, implement training initiatives, and oversee/maintain divisional spaces.

Aviation Boatswain's Mates (Aircraft Handling) (ABH) direct the movement and spotting of aircraft ashore and afloat; operate, maintain, and perform organizational maintenance on ground-handling equipment used for moving and hoisting of aircraft ashore and afloat; perform administrative duties, implement training initiatives, and oversee/maintain divisional spaces; demonstrate a working knowledge of the Planned Maintenance System (PMS); supervise securing of aircraft and equipment; perform crash rescue, firefighting, crash removal, and damage control duties; and perform duties in connection with launching and recovery of aircraft.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 1.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Aircraft Director

Job Code

001195

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	AIRCRAFT DIRECTOR	ACRFT DIRECTOR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ABH	NEC DXXX and 7XXX series and other NECs as assigned

Job Description

Aircraft Directors are responsible for the safe and expeditious movement of aircraft on fight decks, hangar decks, and shore which includes the installation and removal of chocks, tie downs, and tow bars; operate ground Support Equipment (SE), elevators, conflagration stations, Ouija board spotters, and safety observers; demonstrate a working knowledge of deck multiple/density and aircraft fundamentals/systems; perform flight/hangar deck operations; implement training initiatives; and ensure operational readiness of equipment.

DoD Relationship

Group Title	*DoD Code*
Aircraft Launch Equipment	160400

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Airfield Operations Specialists	53-2022.00	Transportation and Material Moving

Skills	Abilities
Coordination	*Visualization*
Judgment and Decision Making	*Information Ordering*
Equipment Selection	*Deductive Reasoning*
Operation and Control	*Multi-limb Coordination*
Complex Problem Solving	*Oral Expression*
Installation	*Static Strength*
Monitoring	*Manual Dexterity*
Active Listening	*Problem Sensitivity*
Quality Control Analysis	*Inductive Reasoning*
Instructing	*Spatial Orientation*

SHIPBOARD/SHORE AIRCRAFT FIREFIGHTING/CRASH AND SALVAGE

Paygrade	Task Type	Task Statements
E6	CORE	Brief Air Department Training Team (ADTT) drill procedures
E6	CORE	Build flight deck and hangar bay drill package
E4	CORE	Conduct hot chockman procedures
E4	CORE	Execute flight deck fire drills
E4	CORE	Execute fuel station fire drills (i.e., flight deck, hangar bay)
E4	CORE	Execute hangar bay fire drills
E4	CORE	Identify location of aircraft composite materials
E4	CORE	Man variable position nozzles and hose control devices (1 1/2", 2 1/2" diameter)
E4	CORE	Operate aircraft firefighting equipment in the hangar bays
E4	CORE	Operate aircraft firefighting equipment on flight decks
E4	CORE	Perform aircraft hydraulic failure emergency procedures
E4	CORE	Perform conflagration station operations
E4	CORE	Perform flight deck aircraft firefighting procedures
E4	CORE	Perform hangar bay aircraft firefighting procedures
E5	CORE	Prepare aircraft elevator for jettison operations
E4	CORE	Secure aircraft firefighting Support Equipment (SE)

SHIPBOARD/SHORE STATION AIRCRAFT HANDLING

Paygrade	Task Type	Task Statements
E7	CORE	Account for deck density/deck multiple
E4	CORE	Calculate elevator loads
E4	CORE	Chock aircraft with rotors
E4	CORE	Close ballistic doors
E7	CORE	Compile information for damage/crunch reports
E4	CORE	Conduct aircraft handling Support Equipment (SE) preoperational and post operational inspections
E6	CORE	Conduct aircraft respot briefings
E6	CORE	Conduct deck caller procedures during flight deck operations
E5	CORE	Conduct flight deck safety training
E4	CORE	Conduct flight deck/hangar bay preoperational and post operational inspections
E4	CORE	Conduct Foreign Object Damage (FOD) walk downs
E5	CORE	Conduct hangar bay safety training
E4	CORE	Coordinate aircraft handling Support Equipment (SE) maintenance and service requirements
E7	CORE	Coordinate aircraft respot via air plans
E5	CORE	Coordinate launch evolutions in fly 1 areas
E5	CORE	Coordinate launch evolutions in fly 2 areas
E5	CORE	Coordinate launch evolutions in fly 3 areas
E5	CORE	Coordinate recovery evolutions in fly 1 areas
E5	CORE	Coordinate recovery evolutions in fly 2 areas
E5	CORE	Coordinate recovery evolutions in fly 3 areas
E5	CORE	Coordinate turning aircraft in the hangar bays
E4	CORE	De-rig flag staffs
E4	CORE	De-rig safety rails
E4	CORE	Dispatch starting units for maintenance turns
E4	CORE	Dispatch tow tractors and dollies for respots of aircraft
E4	CORE	Execute barricade drills
E4	CORE	Identify primary mooring points
E4	CORE	Inspect aircraft elevator platforms
E4	CORE	Inspect coamings (i.e., flight deck, hangar bay)
E4	CORE	Inspect safety nets (i.e., flight deck, hangar bay)
E4	CORE	Install aircraft chocks
E4	CORE	Install aircraft tie down chains
E4	CORE	Install aircraft tow bars

SHIPBOARD/SHORE STATION AIRCRAFT HANDLING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Install barricade ramps
E4	CORE	Interpret audio signals
E4	CORE	Interpret visual signals
E4	CORE	Lower safety stanchions (i.e., flight deck, hangar bay)
E4	CORE	Maintain conflagration station watch logs
E7	CORE	Manage liquid Foreign Object Damage (FOD) program
E4	CORE	Manually release spotting dolly lifting arms from aircraft
E7	CORE	Monitor sea states
E4	CORE	Monitor Support Equipment (SE) starting units positions for maintenance turns
E4	CORE	Monitor turning aircraft in the hangar bays
E4	CORE	Move no-brake aircraft
E4	CORE	Open ballistic doors
E4	CORE	Operate aircraft elevator in normal mode
E4	CORE	Operate aircraft elevator through lower and raise cycles in manual mode
E4	CORE	Operate mobile Support Equipment (SE)
E4	CORE	Operate starting units to provide aircraft auxiliary power (e.g., electrical, air start power, Auxiliary Power Unit (APU), etc.)
E7	CORE	Perform Aircraft Handling Officer (ACHO) duties during flight operations
E4	CORE	Perform aircraft launch/maintenance/recovery respots
E4	CORE	Perform aircraft safety observer procedures
E4	CORE	Perform aircraft towing
E4	CORE	Perform airfield support operations
E4	CORE	Perform chock walker procedures for aircraft
E4	CORE	Perform flight deck aircraft movements
E4	CORE	Perform flight deck elevator operations
E4	CORE	Perform hangar bay aircraft movements
E4	CORE	Perform hangar bay elevator operations
E4	CORE	Perform liquid Foreign Object Damage (FOD) removal
E4	CORE	Perform no-brake aircraft emergency procedures
E4	CORE	Perform preoperational and post operational inspections of Personal Protective Equipment (PPE)
E4	CORE	Plot spotting boards (Ouija/templates) using aircraft spotting phraseology (i.e., flight deck, hangar bay)
E5	CORE	Provide aircraft electrical service via Mobile Electric Power Plants (MEPP-3) and Shipboard Mobile Electric Power Plants (SMEPP-4)

SHIPBOARD/SHORE STATION AIRCRAFT HANDLING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Raise safety stanchions (i.e., flight deck, hangar bay)
E4	CORE	Remove aircraft tow bars
E4	CORE	Remove barricade ramps
E4	CORE	Respond to audio signals
E4	CORE	Respond to visual signals
E4	CORE	Rig flag staffs
E4	CORE	Rig safety rails
E4	CORE	Secure aircraft handling equipment (i.e., chocks, chains, tow bars)
E4	CORE	Secure aircraft handling Support Equipment (SE)
E4	CORE	Stow aircraft handling equipment (i.e., chocks, chains, tow bars)
E4	CORE	Stow barricade ramps
E4	CORE	Stow flag staffs
E4	CORE	Stow safety rails
E5	CORE	Supervise daily preoperational and post operational inspections of aircraft handling Support Equipment (SE)
E7	CORE	Supervise flight deck operations
E6	CORE	Supervise Foreign Object Damage (FOD) walk downs
E6	CORE	Supervise liquid Foreign Object Damage (FOD) program
E4	CORE	Supervise securing of aircraft handling Support Equipment (SE)

SHIPBOARD/SHORE STATIONS MAINTENANCE

Paygrade	Task Type	Task Statements
E6	CORE	Conduct non-skid Quality Assurance Inspector (QAI) procedures
E5	CORE	Input data to Organizational Maintenance and Material System - New Generation (OMMS-NG)
E4	CORE	Perform deck preservation in the hangar bays
E4	CORE	Perform deck preservation on flight decks

Job Title **Job Code**

Crash and Salvage Firefighter 001250

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Protective Service	TBD	CRASH AND SALVAGE FIREFIGHTER	CRASH SALV FF

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ABH	NEC DXXX and 7XXX series and other NECs as assigned

Job Description

Crash and Salvage Firefighters respond to aircraft emergencies, conduct firefighting, and perform rescue and salvage procedures for each type of aircraft carried onboard; coordinate aircraft jettison operations; train embarked squadron personnel; and perform equipment preventive maintenance requirements, and water related salvage operations.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Aircraft Launch Equipment	160400	First-Line Supervisors of Fire Fighting and Prevention Workers	33-1021.00	Protective Service

Skills	Abilities
Judgment and Decision Making	*Information Ordering*
Operation and Control	*Visualization*
Coordination	*Multi-limb Coordination*
Equipment Selection	*Deductive Reasoning*
Monitoring	*Originality*
Installation	*Manual Dexterity*
Active Listening	*Dynamic Flexibility*
Complex Problem Solving	*Written Comprehension*
Equipment Maintenance	*Extent Flexibility*
Instructing	*Memorization*

SHIPBOARD/SHORE AIRCRAFT FIREFIGHTING/CRASH AND SALVAGE

Paygrade	Task Type	Task Statements
E4	CORE	Access aircraft canopies
E4	CORE	Access aircraft hoist points
E4	CORE	Attach aircraft hoisting slings and belly bands
E6	CORE	Brief Air Department Training Team (ADTT) drill procedures
E6	CORE	Build flight deck and hangar bay drill package
E4	CORE	Conduct emergency canopy jettison procedures on aircraft
E7	NON-CORE	Conduct fire chief procedures during airfield emergency operations
E4	CORE	Conduct flight deck rescue procedures
E4	CORE	Conduct hangar bay rescue procedures
E4	CORE	Conduct hot chockman procedures
E4	CORE	Conduct preoperational and post operational inspections of aircraft firefighting Support Equipment (SE)
E4	CORE	Conduct rig master procedures during salvage operations
E4	CORE	Determine maximum hoisting weight
E4	CORE	Execute flight deck fire drills
E4	CORE	Execute fuel station fire drills (i.e., flight deck, hangar bay)
E4	CORE	Execute hangar bay fire drills
E4	CORE	Identify aircraft hoist points

SHIPBOARD/SHORE AIRCRAFT FIREFIGHTING/CRASH AND SALVAGE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Identify location of aircraft composite materials
E4	CORE	Install aircraft down locks
E4	CORE	Install stabilizing lines and tag lines for aircraft hoisting
E4	CORE	Install tow bars on crash dollies
E4	CORE	Locate battery and Liquid Oxygen (LOX) compartments on aircraft
E4	CORE	Maintain flight deck aircraft rescue and salvage equipment
E4	CORE	Man variable position nozzles and hose control devices (1 1/2", 2 1/2" diameter)
E4	CORE	Operate aircraft firefighting and salvage Support Equipment (SE) (e.g., P-25, Carrier Crash Crane (CVCC), Amphibious Crash Crane (ACC), etc.)
E4	CORE	Operate aircraft firefighting equipment in the hangar bays
E4	CORE	Operate aircraft firefighting equipment on flight decks
E4	CORE	Operate aircraft rescue equipment on flight decks
E4	CORE	Operate aircraft salvage equipment on flight decks (e.g., rescue basket, proximity suits, emergency entry tools, belly bands, etc.)
E4	CORE	Perform aircraft hydraulic failure emergency procedures
E4	CORE	Perform flight deck aircraft firefighting procedures
E4	CORE	Perform flight deck salvage procedures
E4	CORE	Perform hangar bay aircraft firefighting procedures
E4	CORE	Perform overhaul/residual fire checks
E5	CORE	Prepare aircraft elevator for jettison operations
E4	CORE	Secure aircraft ejection seats
E4	CORE	Secure aircraft firefighting Support Equipment (SE)
E4	CORE	Secure crash dolly for collapsed landing gear
E4	CORE	Secure crash dolly for sheared landing gear
E6	CORE	Supervise flight deck salvage procedures
E6	CORE	Supervise installation of aircraft crash dollies
E6	CORE	Supervise installation of hoisting equipment
E6	CORE	Supervise operation of aircraft crash cranes
E6	CORE	Supervise positioning of crash forklifts for rescues
E5	CORE	Supervise preoperational and post operational inspections of aircraft firefighting Support Equipment (SE)
E6	CORE	Supervise salvage operations for helo/aircraft in the water
E6	CORE	Supervise salvage operations with composite material aircraft
E6	CORE	Supervise securing of aircraft crash dollies

SHIPBOARD/SHORE STATION AIRCRAFT HANDLING

Paygrade	Task Type	Task Statements
E4	CORE	Chock aircraft with rotors
E7	CORE	Compile information for damage/crunch reports
E4	CORE	Conduct aircraft handling Support Equipment (SE) preoperational and post operational inspections
E5	CORE	Conduct flight deck safety training
E4	CORE	Conduct Foreign Object Damage (FOD) walk downs
E5	CORE	Conduct hangar bay safety training
E4	CORE	Identify primary mooring points
E4	CORE	Install aircraft chocks
E4	CORE	Install aircraft tie down chains
E4	CORE	Install aircraft tow bars
E4	CORE	Interpret audio signals
E4	CORE	Interpret visual signals
E4	CORE	Operate mobile Support Equipment (SE)
E4	CORE	Perform aircraft towing
E4	CORE	Perform chock walker procedures for aircraft
E4	CORE	Perform liquid Foreign Object Damage (FOD) removal
E4	CORE	Perform preoperational and post operational inspections of Personal Protective Equipment (PPE)
E4	CORE	Remove aircraft tow bars
E4	CORE	Remove barricade ramps
E4	CORE	Respond to audio signals
E4	CORE	Respond to visual signals
E4	CORE	Secure aircraft handling equipment (i.e., chocks, chains, tow bars)
E4	CORE	Secure aircraft handling Support Equipment (SE)
E4	CORE	Stow aircraft handling equipment (i.e., chocks, chains, tow bars)
E4	CORE	Stow barricade ramps
E5	CORE	Supervise daily preoperational and post operational inspections of aircraft handling Support Equipment (SE)
E7	CORE	Supervise flight deck operations
E6	CORE	Supervise Foreign Object Damage (FOD) walk downs
E6	CORE	Supervise liquid Foreign Object Damage (FOD) program
E4	CORE	Supervise securing of aircraft handling Support Equipment (SE)

SHIPBOARD/SHORE STATIONS MAINTENANCE

Paygrade	Task Type	Task Statements
E6	CORE	Conduct non-skid Quality Assurance Inspector (QAI) procedures
E5	CORE	Input data to Organizational Maintenance and Material System - New Generation (OMMS-NG)

Job Title

Air Operations Technician

Job Code

001555

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	AIR OPERATIONS TECHNICIAN	AIR OPS TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ABH	NEC DXXX and 7XXX series and other NECs as assigned

Job Description

Air Operations Technicians ensure the safe operation and maintenance of air fields and E-28 equipment; provide assistance to aircraft and aircrew personnel; perform aircraft movement, load priorities, and the servicing and maintenance of transiting aircraft; perform security and custody of cargo, mail, and hazardous materials, ensuring these items are properly packaged and palletized for aircraft; serve as firefighters; perform/direct all firefighting and rescue operations at the immediate scene of aircraft/structural buildings on shore facilities.

DoD Relationship

Group Title	*DoD Code*
Aircraft Launch Equipment	160400

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Airfield Operations Specialists	53-2022.00	Transportation and Material Moving

Skills	Abilities
Judgment and Decision Making	*Visualization*
Coordination	*Deductive Reasoning*
Equipment Selection	*Information Ordering*
Monitoring	*Written Comprehension*
Operation and Control	*Multi-limb Coordination*
Active Listening	*Oral Expression*
Complex Problem Solving	*Spatial Orientation*
Installation	*Auditory Attention*
Quality Control Analysis	*Dynamic Flexibility*
Equipment Maintenance	*Memorization*

SHIPBOARD/SHORE AIRCRAFT FIREFIGHTING/CRASH AND SALVAGE

Paygrade	Task Type	Task Statements
E7	NON-CORE	Conduct fire chief procedures during airfield emergency operations
E4	CORE	Identify location of aircraft composite materials
E4	CORE	Man variable position nozzles and hose control devices (1 1/2", 2 1/2" diameter)
E4	CORE	Operate aircraft firefighting and salvage Support Equipment (SE) (e.g., P-25, Carrier Crash Crane (CVCC), Amphibious Crash Crane (ACC), etc.)
E4	CORE	Secure aircraft firefighting Support Equipment (SE)

SHIPBOARD/SHORE STATION AIRCRAFT HANDLING

Paygrade	Task Type	Task Statements
E4	CORE	Chock aircraft with rotors
E7	CORE	Compile information for damage/crunch reports
E4	CORE	Conduct aircraft handling Support Equipment (SE) preoperational and post operational inspections
E6	CORE	Conduct aircraft respot briefings
E5	CORE	Conduct airfield operations safety training
E4	CORE	Conduct Foreign Object Damage (FOD) walk downs
E4	CORE	Coordinate aircraft handling Support Equipment (SE) maintenance and service requirements
E7	CORE	Coordinate aircraft respot via air plans
E4	CORE	Identify primary mooring points

SHIPBOARD/SHORE STATION AIRCRAFT HANDLING (CONT')

Paygrade	Task Type	Task Statements
E4	CORE	Interpret audio signals
E4	CORE	Interpret visual signals
E7	CORE	Manage liquid Foreign Object Damage (FOD) program
E4	CORE	Operate mobile Support Equipment (SE)
E4	CORE	Operate starting units to provide aircraft auxiliary power (e.g., electrical, air start power, Auxiliary Power Unit (APU), etc.)
E4	CORE	Perform aircraft towing
E4	CORE	Perform airfield support operations
E4	CORE	Perform chock walker procedures for aircraft
E4	CORE	Perform flight deck aircraft movements
E4	CORE	Perform liquid Foreign Object Damage (FOD) removal
E4	CORE	Perform no-brake aircraft emergency procedures
E4	CORE	Perform preoperational and post operational inspections of Personal Protective Equipment (PPE)
E5	CORE	Provide aircraft electrical service via Mobile Electric Power Plants (MEPP-3) and Shipboard Mobile Electric Power Plants (SMEPP-4)
E4	CORE	Remove aircraft tow bars
E4	CORE	Respond to audio signals
E4	CORE	Respond to visual signals
E4	CORE	Secure aircraft handling equipment (i.e., chocks, chains, tow bars)
E4	CORE	Secure aircraft handling Support Equipment (SE)
E4	CORE	Stow aircraft handling equipment (i.e., chocks, chains, tow bars)
E5	CORE	Supervise daily preoperational and post operational inspections of aircraft handling Support Equipment (SE)
E7	CORE	Supervise flight deck operations
E6	CORE	Supervise Foreign Object Damage (FOD) walk downs
E6	CORE	Supervise liquid Foreign Object Damage (FOD) program
E4	CORE	Supervise securing of aircraft handling Support Equipment (SE)

SHIPBOARD/SHORE STATIONS MAINTENANCE

Paygrade	Task Type	Task Statements
E5	CORE	Conduct E-28 arresting gear journal inspections
E4	CORE	Conduct E-28 arresting gear preoperational and post operational inspections
E4	CORE	Conduct E-28 engine start-up and shutdown procedures
E4	CORE	Maintain E-28 shore based arresting gear

CHAPTER 2

AIR TRAFFIC CONTROLLER
(AC)

NAVPERS 18068F-2J
Change 104

Updated: October 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

AIR TRAFFIC CONTROLLER (AC)

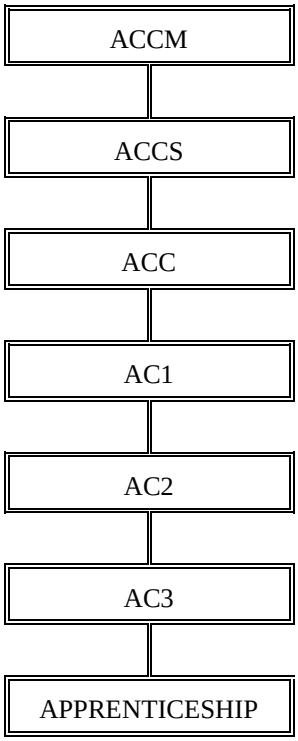
SCOPE OF RATING

Air Traffic Controllers (AC) provide Air Traffic Control (ATC) services at control towers, air operations offices and fleet radar facilities both ashore and afloat: operate radio communication systems, and visual landing aids; direct aircraft under Visual Flight Rules (VFR) and Instrument Flight Rules (IFR); operate surveillance radars, precision radars, data link approach systems, Identification Friend or Foe (IFF) equipment, and other ATC gear; respond to emergency air traffic situations; maintain current flight planning information and reference materials; and assist pilots in the preparation and processing of flight plans.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 2.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Air Traffic Controller 001307

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	AIR TRAFFIC CONTROLLER	AIR TRAF CNTLR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AC	NEC FXXX Series and other NECs as assigned

Job Description

Air Traffic Controllers (AC) play a key role in the effective projection of Naval airpower throughout the world in operational and training environments: provide separation between aircraft in the airspace using Air Traffic Control (ATC) systems; organize and expedite the flow of air traffic operating to and from airfields and the decks of Naval ships using radio, radar, and lighting systems; control the movement of aircraft and vehicles on airfields; and issue control instructions to pilots.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Air Traffic Control	122200	Air Traffic Controllers	53-2021.00	Transportation and Material Moving

Skills	Abilities
Coordination	*Deductive Reasoning*
Speaking	*Oral Expression*
Critical Thinking	*Written Comprehension*
Management of Material Resources	*Written Expression*
Judgment and Decision Making	*Problem Sensitivity*
Monitoring	*Inductive Reasoning*
Writing	*Speech Clarity*
Complex Problem Solving	*Oral Comprehension*
Quality Control Analysis	*Time Sharing*
Management of Personnel Resources	*Manual Dexterity*

CONTROL TOWER OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct runway visual scans
E4	CORE	Control aircraft movements on airfields
E4	CORE	Control vehicles on airfields
E4	CORE	Control visual landing aides, airport lighting, and lighting systems
E4	CORE	Coordinate arresting gear operations
E4	CORE	Coordinate runway use
E5	CORE	Determine assigned runway use
E5	CORE	Log daily airfield inspections
E4	CORE	Perform tower visibility observations
E5	CORE	Separate aircraft in tower jurisdiction
E5	CORE	Sequence aircraft in tower jurisdiction

EMERGENCY OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Activate airfield emergency alarms
E4	CORE	Assist Search and Rescue (SAR) operations
E4	CORE	Control aircraft experiencing emergencies
E4	CORE	Direct vehicles to emergency sites
E4	CORE	Log aircraft emergencies
E4	CORE	Test emergency alarms

FLIGHT PLANNING AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	File squadron flight schedules
E4	CORE	Initiate overdue aircraft actions
E4	CORE	Input Notice To Airmen (NOTAM)
E4	CORE	Process aircraft movement messages
E4	CORE	Process flight plans
E4	CORE	Supervise flight planning

GENERAL OPERATING PROCEDURES

Paygrade	Task Type	Task Statements
E4	CORE	Collect pre-launch data
E4	CORE	Control aircraft in holding pattern
E4	CORE	Control aircraft refueling evolutions
E4	CORE	Control special handling aircraft evolutions
E5	CORE	Coordinate air to air refueling
E5	CORE	Coordinate Air Traffic Control (ATC) airspace
E5	CORE	Coordinate Air Traffic Control (ATC) equipment issues with Electronic Technicians (ET)
E6	CORE	Coordinate Air Traffic Control (ATC) issues with civil authorities
E6	CORE	Coordinate Air Traffic Control (ATC) issues with other branches of the military
E4	CORE	Coordinate aircraft information with transient line
E4	CORE	Coordinate aircraft movements
E4	CORE	Coordinate Distinguished Visitor (DV) movements
E5	CORE	Coordinate flight operations
E5	CORE	Coordinate Medical Evacuation (MEDEVAC) movements
E4	CORE	Display flight information
E4	CORE	Disseminate bird activity reports
E4	CORE	Disseminate Hazards of Electromagnetic Radiation to Ordnance (HERO) conditions
E4	CORE	Disseminate Pilot Reports (PIREP)
E4	CORE	Disseminate pre-launch data
E4	CORE	Disseminate weather information
E4	CORE	Instruct Air Traffic Control (ATC) trainees
E4	CORE	Interpret Air Traffic Control (ATC) communication messages (e.g., airspace request, Notice of Intent (NOI), etc.)
E4	CORE	Investigate Emergency Locator Transmitter (ELT) signals
E4	CORE	Issue advance non-control information to aircraft
E4	CORE	Issue advisories
E4	CORE	Issue Air Traffic Control (ATC) clearances
E4	CORE	Issue Air Traffic Control (ATC) safety alerts
E4	CORE	Issue aircraft clearance delay notices
E4	CORE	Issue aircraft control instructions
E4	CORE	Issue radio frequency changes

GENERAL OPERATING PROCEDURES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Issue Unmanned Aerial Vehicle (UAV) pilot control instructions
E4	CORE	Maintain physical security of Air Traffic Control (ATC) spaces
E6	CORE	Manage airfield operations
E4	CORE	Monitor assigned airspace
E4	CORE	Monitor Automated Surface Observation System (ASOS) displays
E4	CORE	Monitor National security and safety of flight communications
E4	CORE	Monitor Navigation Aids (NAVAIDS) alarms
E4	CORE	Notify enroute and destination stations of aircraft requiring special handling
E4	CORE	Obtain aircraft fuel states
E4	CORE	Obtain aircraft position reports
E4	CORE	Obtain aircraft status after assault procedures (e.g., battle damage, ordnance, fuel, etc.)
E4	CORE	Obtain Pilot Reports (PIREP)
E4	CORE	Perform noise abatement procedures
E4	CORE	Plot position (e.g., ship, crash grid, etc.)
E4	CORE	Process flight progress strips
E4	CORE	Provide assistance with missing aircraft initial search
E4	CORE	Relay aircraft ordnance handling information
E4	CORE	Relay mission information
E4	CORE	Report national security threats
E4	CORE	Report operational errors or deviations
E4	CORE	Report unusual occurrences
E5	CORE	Supervise Air Traffic Control (ATC) watch teams
E5	CORE	Supervise aircraft evolutions
E4	CORE	Update Air Traffic Control (ATC) equipment status
E4	CORE	Update Air Traffic Control (ATC) status boards
E4	CORE	Update current weather reports for flight operations

RADAR (ASHORE, CARRIER, AMPHIBIOUS, TACRON, FACSFAC)

Paygrade	Task Type	Task Statements
E4	CORE	Adjust Air Traffic Control (ATC) radar consoles
E4	CORE	Conduct radar final approaches
E4	CORE	Control aircraft in Special Use Airspace (SUA)
E4	CORE	Decode Identification Friend or Foe (IFF) Hydraulics, Electrical, Fuel, Oxygen, Engine (HEFOE) information
E4	CORE	Establish radar contacts
E5	CORE	Implement Severe Weather Avoidance Plans (SWAP)
E7	NON-CORE	Manage Air Traffic Control (ATC) expeditionary division
E4	CORE	Monitor instrument approaches
E4	CORE	Perform tactical Air Traffic Control (ATC) assault procedures
E5	CORE	Separate aircraft under radar jurisdiction
E5	CORE	Sequence aircraft under radar jurisdiction

RADAR (ASHORE, CARRIER, AMPHIBIOUS, TACRON, FACSFAC) (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise Air Traffic Control (ATC) shipboard operations
E5	NON-CORE	Supervise expeditionary watch teams
E4	CORE	Transfer radar identification
E4	CORE	Vector aircraft

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	NON-CORE	Conduct airfield site surveys
E7	CORE	Coordinate Air Traffic Control (ATC) equipment issues with In-Service Engineering Activity (ISEA)
E7	NON-CORE	Coordinate Air Traffic Control (ATC) facility waivers
E7	CORE	Coordinate Air Traffic Control (ATC) system upgrades
E6	NON-CORE	Coordinate National Aeronautics and Space Administration (NASA) operations
E6	CORE	Coordinate noise abatement procedures
E7	CORE	Coordinate with Federal Aviation Administration (FAA) personnel
E7	CORE	Develop local course rules standards
E7	CORE	Draft video map data requests
E7	NON-CORE	Evaluate Air Traffic Control (ATC) facilities for Federal Aviation Administration (FAA) and Department of the Navy (DoN) procedural compliance
E7	CORE	Evaluate Air Traffic Control (ATC) procedure change proposals
E7	CORE	Evaluate Air Traffic Control (ATC) training programs
E7	CORE	Investigate airspace issues (e.g., air space congestion)
E6	CORE	Maintain logs and records (e.g., equipment, hot area event, tower visibility, etc.)
E6	CORE	Maintain operational continuity of Air Traffic Control (ATC) watch teams
E7	CORE	Manage Air Traffic Control (ATC) facilities
E7	CORE	Manage Air Traffic Control (ATC) Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E7	CORE	Manage Air Traffic Control (ATC) procedure correspondence
E6	CORE	Manage Air Traffic Control (ATC) publications libraries
E7	CORE	Manage Air Traffic Control (ATC) specialist certificate/revocation packages
E7	CORE	Manage Air Traffic Control (ATC) training programs
E7	NON-CORE	Manage airport procedures
E7	CORE	Manage airspace
E7	NON-CORE	Manage Department of the Navy (DoN) Air Traffic Control (ATC) program for obstruction evaluation, airport and airspace analysis
E7	NON-CORE	Manage Department of the Navy (DoN) navigational aids within the National Airspace System (NAS) and at overseas installations
E7	NON-CORE	Manage Department of the Navy (DoN) participation in the federal rule-making process
E7	CORE	Manage deployment and procurement of Air Traffic Control (ATC) systems
E7	NON-CORE	Manage facility's Air Installation Compatibility Use Zone (AICUZ) program
E7	CORE	Manage facility's Air Traffic Control (ATC) Notice To Airmen (NOTAM) program

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage facility's Unmanned Aerial Systems (UAS) program
E7	NON-CORE	Manage Terminal Instrument Procedures (TERPS)
E7	CORE	Prepare Air Traffic Control (ATC) communication messages (e.g., airspace request, Notice of Intent (NOI), etc.)
E7	CORE	Prepare Air Traffic Control (ATC) hazard reports
E7	CORE	Prepare Air Traffic Control (ATC) voice recording transcriptions
E7	CORE	Prepare Operational Capability Improvement Requests (OCIR)
E7	NON-CORE	Process Altitude Reservation (ALTRV) requests
E6	CORE	Process facility records and reports
E7	CORE	Process operational errors or deviations
E7	CORE	Provide actionable recommendations in response to airspace matters (e.g., air route)
E7	CORE	Provide inputs for Air Traffic Control (ATC) systems to technicians
E7	NON-CORE	Request Federal Aviation Administration (FAA) waivers
E7	CORE	Update Air Traffic Control (ATC) manuals
E4	CORE	Verify logs and records (e.g., equipment, hot area event, tower visibility, etc.)

CHAPTER 3

AVIATION MACHINIST'S MATE (AD)

NAVPERS 18068F-3H
Change 103

Updated: July 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

AVIATION MACHINIST'S MATE (AD)

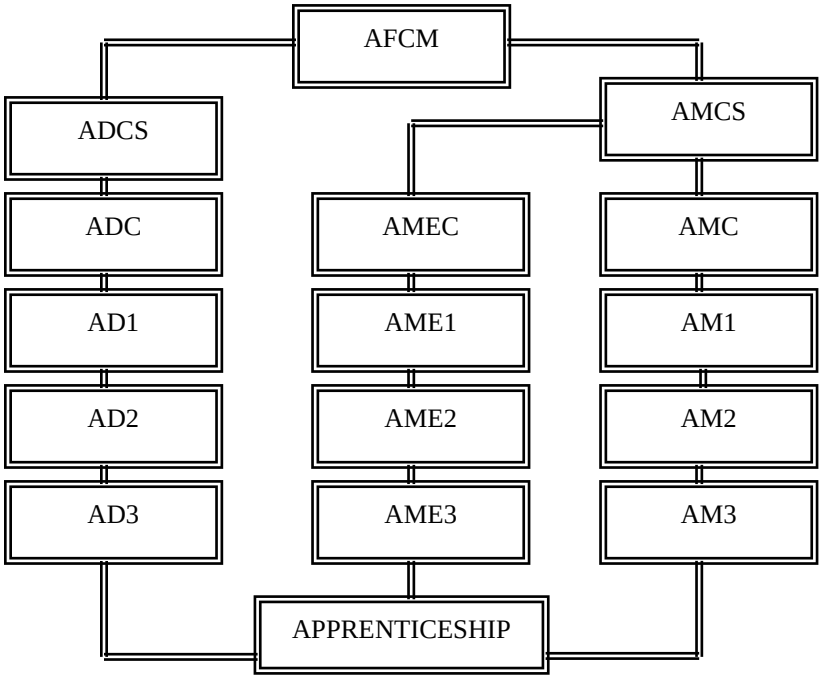
SCOPE OF RATING

Aviation Machinist's Mates (AD) maintain, inspect, troubleshoot, and preserve aircraft transmission systems, aircraft fuel systems, rotor systems, propeller systems, auxiliary power units, and engine and subsystems including fuel, lubrication, intake, compressor, combustion, turbine, exhaust, accessory gearbox, anti-ice, bleed air systems, etc.; conduct special and conditional inspections, oil analysis, and gas free inspections; perform functional checks and required adjustments on engines, propellers, rotors, and related systems; conduct Quality Assurance (QA) inspections; and supervise and provide training to power plant work centers.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 3.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Aviation Machinist's Mate Organizational Level 001362

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	AVIA MACHINIST MATE O-LEVEL	AVENG SYS O-LV

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AD	EXXX and IXXX series and other NECs as assigned

Job Description

Aviation Machinist's Mates Organization Level conduct scheduled and unscheduled maintenance operations including engine operations and inspections, removals, installations, configurations and troubleshooting of engines and engine transmissions, rotors, propellers, and fuel and lubrications systems to facilitate daily flight operations and mission requirements.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Aircraft Engines	160100	Aircraft Mechanics and Service Technicians	49-3011.00	Installation, Maintenance, and Repair

Skills	Abilities
Systems Evaluation	*Selective Attention*
Quality Control Analysis	*Manual Dexterity*
Equipment Maintenance	*Near Vision*
Repairing	*Inductive Reasoning*
Operation Monitoring	*Flexibility of Closure*
Equipment Selection	*Perceptual Speed*
Troubleshooting	*Rate Control*
Management of Material Resources	*Problem Sensitivity*
Monitoring	*Multi-limb Coordination*
Coordination	*Written Comprehension*

AUXILIARY POWER SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Inspect Auxiliary Power Plant (APP)/Auxiliary Power Units (APU) systems
E4	CORE	Repair Auxiliary Power Plant (APP)/Auxiliary Power Unit (APU) systems and components
E4	CORE	Replace Auxiliary Power Plant (APP)/Auxiliary Power Unit (APU) system components
E4	CORE	Replace Auxiliary Power Plant (APP)/Auxiliary Power Units (APU)
E4	CORE	Replace Auxiliary Power Plant (APP)/Auxiliary Power Units (APU) systems and components
E4	CORE	Test Auxiliary Power Plant (APP)/Auxiliary Power Unit (APU) systems
E4	CORE	Troubleshoot Auxiliary Power Plant (APP)/Auxiliary Power Units (APU) systems

CORROSION CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Conduct corrosion inspections
E4	CORE	Inspect aircraft components for corrosion
E4	CORE	Perform aircraft, Support Equipment (SE), and aircraft related equipment preservation/de-preservation
E4	CORE	Perform corrosion prevention procedures
E4	CORE	Perform emergency reclamations
E4	CORE	Perform preventive maintenance on aircraft, Support Equipment (SE), and aircraft related equipment

CORROSION CONTROL (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Treat power plant and related systems for corrosion

ENGINE SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Inspect combustion systems
E4	CORE	Inspect engine anti-ice systems and components
E4	CORE	Inspect engine bleed air systems
E4	CORE	Inspect engine compressor assemblies
E4	CORE	Inspect engine compressor components
E4	CORE	Inspect engine control system components
E5	CORE	Inspect engine control systems
E4	CORE	Inspect engine exhaust systems
E4	CORE	Inspect engine ignition systems
E5	CORE	Inspect engine starting systems
E4	CORE	Inspect internal cold sections
E4	CORE	Inspect internal hot sections
E4	CORE	Inspect oil systems
E4	CORE	Inspect oil systems components
E4	CORE	Inspect power plant air inlet systems
E4	CORE	Inspect reduction gearbox systems and components
E5	CORE	Inspect torque meter assemblies
E4	CORE	Inspect turbine modules
E4	CORE	Maintain oil systems
E4	CORE	Perform engine exhaust system preservation/de-preservation
E4	CORE	Repair engine anti-ice systems
E4	CORE	Repair engine bleed air systems
E4	CORE	Repair engine exhaust systems
E4	CORE	Repair engine ignition systems
E4	CORE	Repair oil systems and components
E4	CORE	Repair power plant air inlet systems
E4	CORE	Repair reduction gearbox systems and components
E4	CORE	Repair torque meter assemblies
E4	CORE	Replace engine anti-ice system components
E4	CORE	Replace engine bleed air system components
E4	CORE	Replace engine control system components
E4	CORE	Replace engine exhaust system components
E4	CORE	Replace engine fuel system components
E4	CORE	Replace engine ignition system components
E4	CORE	Replace engine starting system components
E4	CORE	Replace oil system components

ENGINE SYSTEMS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Replace power plant air inlet system components
E4	CORE	Replace reduction gearbox systems and components
E4	CORE	Replace turbine modules
E5	CORE	Test combustion systems
E4	CORE	Test compressor systems
E4	CORE	Test engine anti-ice systems and components
E4	CORE	Test engine bleed air systems
E4	CORE	Test engine control system components
E4	CORE	Test engine control systems
E4	CORE	Test engine exhaust systems
E4	CORE	Test engine ignition systems
E4	CORE	Test engine starting systems
E4	CORE	Test oil systems and components
E4	CORE	Test power plant air inlet systems
E5	CORE	Test reduction gearbox systems
E5	CORE	Test torque meter assemblies
E4	CORE	Test turbine modules
E4	CORE	Troubleshoot combustion systems
E4	CORE	Troubleshoot compressor systems
E4	CORE	Troubleshoot engine anti-ice systems
E4	CORE	Troubleshoot engine bleed air systems
E4	CORE	Troubleshoot engine control systems
E4	CORE	Troubleshoot engine exhaust systems
E4	CORE	Troubleshoot engine ignition systems
E4	CORE	Troubleshoot engine starting systems
E4	CORE	Troubleshoot oil systems
E4	CORE	Troubleshoot power plant air inlet system
E4	CORE	Troubleshoot reduction gearbox systems and components
E4	CORE	Troubleshoot torque meter assemblies
E4	CORE	Troubleshoot turbine modules

FUEL SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Inspect Aerial Refueling Stores (ARS)
E4	CORE	Inspect aircraft fuel systems
E4	CORE	Inspect engine fuel systems
E4	CORE	Inspect external fuel stores
E4	CORE	Perform Aerial Refueling Stores (ARS) preservation/de-preservation
E4	CORE	Perform fuel systems and related components preservation/de-preservation
E4	CORE	Repair Aerial Refueling Stores (ARS)

FUEL SYSTEMS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair engine fuel systems
E4	CORE	Repair external fuel stores
E4	CORE	Replace aircraft fuel system components
E4	CORE	Replace external fuel stores
E4	CORE	Test Aerial Refueling Stores (ARS)
E4	CORE	Test aircraft fuel systems
E4	CORE	Test engine fuel systems
E4	CORE	Test external fuel stores
E4	CORE	Troubleshoot Aerial Refueling Stores (ARS)
E4	CORE	Troubleshoot aircraft fuel systems
E4	CORE	Troubleshoot engine fuel systems
E4	CORE	Troubleshoot external fuel stores

HELICOPTER MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Inspect aircraft drive transmission systems
E4	CORE	Inspect aircraft rotor systems
E5	CORE	Inspect engine fire bottles
E5	CORE	Perform helicopter vibration analysis
E4	CORE	Repair aircraft drive transmission system components
E4	CORE	Repair aircraft rotor systems
E4	CORE	Replace aircraft drive transmission system components
E4	CORE	Replace aircraft rotor system components
E5	CORE	Replace engine fire bottles
E4	CORE	Test aircraft drive transmission systems
E5	CORE	Test aircraft rotor systems
E5	CORE	Test engine fire bottles
E4	CORE	Troubleshoot aircraft drive transmission systems
E4	CORE	Troubleshoot aircraft rotor systems
E4	CORE	Troubleshoot engine fire bottles

LINE MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Collect fuel samples
E4	CORE	Conduct daily inspections
E4	CORE	Conduct preoperational Support Equipment (SE) inspections
E4	CORE	Conduct turnaround inspections
E4	CORE	Perform oil servicing
E4	CORE	Review Automated Aircraft Discrepancy Books (AADB)

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Assign aircraft to missions
E6	CORE	Conduct flight crew briefs
E6	CORE	Conduct flight crew debriefs
E7	CORE	Conduct maintenance briefs
E4	CORE	Document maintenance actions
E7	CORE	Manage component cannibalization
E6	CORE	Manage scheduled maintenance
E6	CORE	Manage unscheduled maintenance
E7	CORE	Prepare aircraft status reports
E6	CORE	Prepare engine status reports
E7	CORE	Release aircraft safe for flight
E7	CORE	Schedule aircraft inspections
E7	CORE	Schedule aircraft maintenance

POWER PLANT MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Collect oil samples for analysis
E5	CORE	Conduct aircraft maintenance turns
E4	CORE	Inspect accessory gearbox assemblies
E5	CORE	Inspect Aircraft Mounted Accessory Drive (AMAD) assemblies
E5	CORE	Inspect drive shafts
E5	CORE	Inspect Gas Turbine Compressor (GTC) assemblies
E5	CORE	Inspect Generator Converter Units (GCU)
E5	CORE	Inspect Quick Engine Change (QEC) assemblies
E4	CORE	Perform component cannibalization
E4	CORE	Perform engine and related components preservation/de-preservation
E4	CORE	Perform engine wash
E4	CORE	Repair accessory gearbox assemblies
E4	CORE	Repair drive shafts
E4	CORE	Replace accessory gearbox assemblies
E4	CORE	Replace Aircraft Mounted Accessory Drive (AMAD) assemblies
E4	CORE	Replace drive shafts
E4	CORE	Replace Generator Converter Units (GCU)
E4	CORE	Replace Quick Engine Change (QEC) assemblies
E4	CORE	Test accessory gearbox assemblies
E4	CORE	Test drive shafts
E4	CORE	Test Gas Turbine Compressor (GTC)
E4	CORE	Test Quick Engine Change (QEC) assemblies
E4	CORE	Troubleshoot accessory gearbox assemblies
E4	CORE	Troubleshoot drive shafts

POWER PLANT MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot Gas Turbine Compressor (GTC)
E4	CORE	Troubleshoot Generator Converter Units (GCU)
E4	CORE	Troubleshoot Quick Engine Change (QEC) assemblies

PROPELLER SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Inspect aircraft propeller systems and components
E4	CORE	Perform preventive maintenance on aircraft propeller systems
E5	CORE	Perform propeller vibration analysis
E4	CORE	Repair aircraft propeller systems and components
E4	CORE	Replace aircraft propeller system components
E5	CORE	Replace aircraft propeller systems
E4	CORE	Test aircraft propeller systems and components
E4	CORE	Troubleshoot aircraft propeller systems and components

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E4	CORE	Conduct aircraft acceptance inspections
E4	CORE	Conduct aircraft conditional inspections
E4	CORE	Conduct aircraft special inspections
E4	CORE	Conduct aircraft transfer inspections
E4	CORE	Conduct Collateral Duty Inspector (CDI) inspections
E5	CORE	Conduct Collateral Duty Quality Assurance Representative (CDQAR) inspections
E4	CORE	Conduct engine acceptance inspections
E4	CORE	Conduct engine conditional inspections
E4	CORE	Conduct engine transfer inspections
E6	CORE	Conduct gas free inspections
E5	CORE	Conduct phase inspections
E6	CORE	Conduct Quality Assurance (QA) inspections
E4	CORE	Conduct special engine inspections
E4	CORE	Incorporate Technical Directives (TD)
E6	CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Monitor Naval Aviation Maintenance Programs (NAMP)
E5	CORE	Perform engine control rigging
E5	NON-CORE	Validate engine control rigging

Job Title **Job Code**

Aviation Machinist's Mate Intermediate Level 001417

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	AVIA MACHINIST MATE I-LEVEL	AVENG SYS I-LV

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AD	EXXX and IXXX series and other NECs as assigned

Job Description

Aviation Machinist's Mates Intermediate Level perform in-depth repairs of engines, including complete engine teardowns, turboshaft, turbofan, turboprop, and gas turbine compressor engine components repairs, and propeller, rotor, gearbox, and drive accessory repairs; evaluate turbine engine performance using engine test cells and advanced calibration equipment; and maintain, troubleshoot and repair test benches and Support Equipment (SE) as required.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Aircraft Engines	160100	Aircraft Mechanics and Service Technicians	49-3011.00	Installation, Maintenance, and Repair

Skills	Abilities
Systems Evaluation	*Selective Attention*
Repairing	*Manual Dexterity*
Quality Control Analysis	*Near Vision*
Equipment Maintenance	*Flexibility of Closure*
Equipment Selection	*Inductive Reasoning*
Operation Monitoring	*Perceptual Speed*
Troubleshooting	*Rate Control*
Management of Material Resources	*Multi-limb Coordination*
Monitoring	*Dynamic Strength*
Judgment and Decision Making	*Problem Sensitivity*

AUXILIARY POWER SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Inspect Auxiliary Power Plant (APP)/Auxiliary Power Units (APU) systems
E4	CORE	Repair Auxiliary Power Plant (APP)/Auxiliary Power Unit (APU) systems and components
E4	CORE	Replace Auxiliary Power Plant (APP)/Auxiliary Power Unit (APU) system components
E4	CORE	Replace Auxiliary Power Plant (APP)/Auxiliary Power Units (APU) systems and components
E4	CORE	Test Auxiliary Power Plant (APP)/Auxiliary Power Unit (APU) systems
E4	CORE	Troubleshoot Auxiliary Power Plant (APP)/Auxiliary Power Units (APU) systems

CORROSION CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Conduct corrosion inspections
E4	CORE	Inspect aircraft components for corrosion
E4	CORE	Perform aircraft, Support Equipment (SE), and aircraft related equipment preservation/de-preservation
E4	CORE	Perform corrosion prevention procedures
E4	CORE	Perform emergency reclamations
E4	NON-CORE	Perform engine test cell equipment preservation/de-preservation
E4	CORE	Perform preventive maintenance on aircraft, Support Equipment (SE), and aircraft related equipment

CORROSION CONTROL (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Treat power plant and related systems for corrosion

ENGINE SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Inspect combustion systems
E4	CORE	Inspect engine anti-ice systems and components
E4	CORE	Inspect engine bleed air systems
E4	CORE	Inspect engine compressor assemblies
E4	CORE	Inspect engine compressor components
E4	CORE	Inspect engine control system components
E5	CORE	Inspect engine control systems
E4	CORE	Inspect engine exhaust systems
E4	CORE	Inspect engine ignition systems
E4	CORE	Inspect internal cold sections
E4	CORE	Inspect internal hot sections
E4	CORE	Inspect oil systems
E4	CORE	Inspect oil systems components
E4	CORE	Inspect power plant air inlet systems
E4	CORE	Inspect reduction gearbox systems and components
E5	CORE	Inspect torque meter assemblies
E4	CORE	Inspect turbine modules
E4	CORE	Maintain oil systems
E4	CORE	Perform engine exhaust system preservation/de-preservation
E4	CORE	Repair combustion systems
E4	CORE	Repair compressor systems
E4	CORE	Repair engine anti-ice systems
E4	CORE	Repair engine bleed air systems
E4	CORE	Repair engine control system components
E4	CORE	Repair engine control systems
E4	CORE	Repair engine exhaust systems
E4	CORE	Repair engine ignition systems
E4	CORE	Repair engine starting system components
E4	CORE	Repair oil systems and components
E4	CORE	Repair power plant air inlet systems
E4	CORE	Repair reduction gearbox systems and components
E4	CORE	Repair torque meter assemblies
E4	CORE	Repair turbine modules
E4	CORE	Replace engine anti-ice system components
E4	CORE	Replace engine bleed air system components
E4	CORE	Replace engine control system components

ENGINE SYSTEMS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Replace engine exhaust system components
E4	CORE	Replace engine fuel system components
E4	CORE	Replace engine ignition system components
E4	CORE	Replace engine starting system components
E4	CORE	Replace oil system components
E4	CORE	Replace power plant air inlet system components
E4	CORE	Replace reduction gearbox systems and components
E4	CORE	Replace torque meter assemblies
E4	CORE	Replace turbine modules
E5	CORE	Test combustion systems
E4	CORE	Test compressor systems
E4	CORE	Test engine anti-ice systems and components
E4	CORE	Test engine bleed air systems
E4	CORE	Test engine control system components
E4	CORE	Test engine control systems
E4	CORE	Test engine exhaust systems
E4	CORE	Test engine ignition systems
E4	CORE	Test engine starting systems
E4	CORE	Test oil systems and components
E4	CORE	Test power plant air inlet systems
E5	CORE	Test reduction gearbox systems
E5	CORE	Test torque meter assemblies
E4	CORE	Test turbine modules
E4	CORE	Troubleshoot combustion systems
E4	CORE	Troubleshoot compressor systems
E4	CORE	Troubleshoot engine anti-ice systems
E4	CORE	Troubleshoot engine bleed air systems
E4	CORE	Troubleshoot engine control systems
E4	CORE	Troubleshoot engine exhaust systems
E4	CORE	Troubleshoot engine ignition systems
E4	CORE	Troubleshoot engine starting systems
E4	CORE	Troubleshoot oil systems
E4	CORE	Troubleshoot power plant air inlet system
E4	CORE	Troubleshoot reduction gearbox systems and components
E4	CORE	Troubleshoot torque meter assemblies
E4	CORE	Troubleshoot turbine modules

FUEL SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Inspect Aerial Refueling Stores (ARS)
E4	CORE	Inspect engine fuel systems
E4	CORE	Inspect external fuel stores
E4	CORE	Perform Aerial Refueling Stores (ARS) preservation/de-preservation
E4	CORE	Perform fuel systems and related components preservation/de-preservation
E4	CORE	Repair Aerial Refueling Stores (ARS)
E4	CORE	Repair aircraft fuel system components
E4	CORE	Repair engine fuel systems
E4	CORE	Repair external fuel stores
E4	CORE	Replace aircraft fuel system components
E4	CORE	Test Aerial Refueling Stores (ARS)
E4	CORE	Test engine fuel systems
E4	CORE	Test external fuel stores
E4	CORE	Troubleshoot Aerial Refueling Stores (ARS)
E4	CORE	Troubleshoot engine fuel systems
E4	CORE	Troubleshoot external fuel stores

HELICOPTER MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Repair aircraft drive transmission system components
E4	CORE	Replace aircraft drive transmission system components
E4	CORE	Replace aircraft rotor system components
E4	CORE	Test aircraft drive transmission systems

LINE MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Collect fuel samples
E4	CORE	Conduct preoperational Support Equipment (SE) inspections
E4	CORE	Perform oil servicing

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Conduct maintenance briefs
E7	CORE	Conduct production briefs
E4	CORE	Document maintenance actions
E7	CORE	Manage component cannibalization
E6	CORE	Manage scheduled maintenance
E6	CORE	Manage unscheduled maintenance
E6	CORE	Prepare Broad Arrow (BA) reports
E6	CORE	Prepare engine status reports

POWER PLANT MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Collect oil samples for analysis
E4	NON-CORE	Configure engine test cell equipment for testing
E4	CORE	Inspect accessory gearbox assemblies
E5	NON-CORE	Inspect engine test cell equipment
E5	CORE	Inspect Gas Turbine Compressor (GTC) assemblies
E5	NON-CORE	Inspect oil analysis equipment
E5	CORE	Inspect Quick Engine Change (QEC) assemblies
E5	NON-CORE	Maintain oil analysis equipment
E4	CORE	Perform component cannibalization
E4	CORE	Perform engine and related components preservation/de-preservation
E5	NON-CORE	Perform engine test cell operations
E4	CORE	Perform engine wash
E5	NON-CORE	Perform oil analysis equipment standardization
E4	CORE	Repair accessory gearbox assemblies
E4	CORE	Repair drive shafts
E4	NON-CORE	Repair engine test cell equipment
E4	CORE	Repair Gas Turbine Compressor (GTC) assemblies
E5	NON-CORE	Repair oil analysis equipment
E4	CORE	Repair Quick Engine Change (QEC) assemblies
E4	CORE	Replace accessory gearbox assemblies
E4	CORE	Replace combustion system components
E4	CORE	Replace compressor system components
E4	CORE	Replace Gas Turbine Compressors (GTC)
E4	CORE	Replace Quick Engine Change (QEC) assemblies
E4	CORE	Test accessory gearbox assemblies
E4	CORE	Test drive shafts
E5	NON-CORE	Test engine test cell equipment
E4	CORE	Test Gas Turbine Compressor (GTC)
E5	NON-CORE	Test oil analysis equipment
E4	CORE	Test Quick Engine Change (QEC) assemblies
E4	CORE	Troubleshoot accessory gearbox assemblies
E5	NON-CORE	Troubleshoot engine test cell equipment
E4	CORE	Troubleshoot Gas Turbine Compressor (GTC)
E5	NON-CORE	Troubleshoot oil analysis equipment
E4	CORE	Troubleshoot Quick Engine Change (QEC) assemblies

PROPELLER SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Inspect aircraft propeller systems and components
E4	CORE	Perform preventive maintenance on aircraft propeller systems

PROPELLER SYSTEMS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair aircraft propeller systems and components
E4	CORE	Replace aircraft propeller system components
E5	CORE	Replace aircraft propeller systems
E4	CORE	Test aircraft propeller systems and components
E4	CORE	Troubleshoot aircraft propeller systems and components

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E4	CORE	Conduct Collateral Duty Inspector (CDI) inspections
E5	CORE	Conduct Collateral Duty Quality Assurance Representative (CDQAR) inspections
E4	CORE	Conduct engine acceptance inspections
E4	CORE	Conduct engine conditional inspections
E4	CORE	Conduct engine transfer inspections
E6	CORE	Conduct gas free inspections
E6	CORE	Conduct Quality Assurance (QA) inspections
E4	CORE	Conduct special engine inspections
E4	CORE	Incorporate Technical Directives (TD)
E6	CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Monitor Naval Aviation Maintenance Programs (NAMP)
E5	CORE	Perform engine control rigging
E5	NON-CORE	Validate engine control rigging

CHAPTER 4

AVIATION ELECTRICIAN'S MATE (AE)

NAVPERS 18068F-4G
Change 102

Updated: April 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

AVIATION ELECTRICIAN'S MATE (AE)

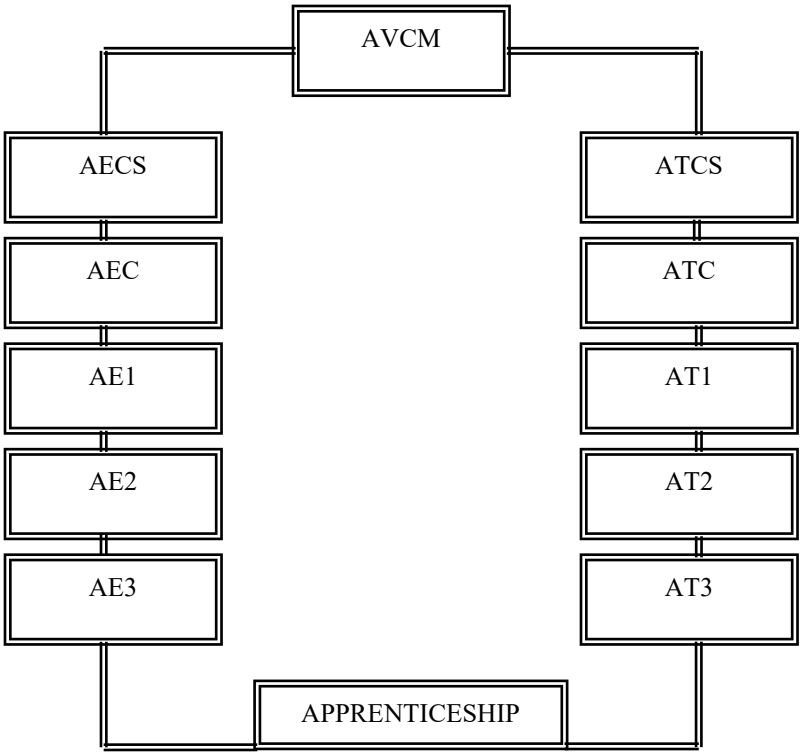
SCOPE OF RATING

Aviation Electrician's Mates (AE) maintain electrical and instrument systems, including power generation, conversion and distribution systems, aircraft batteries, and interior and exterior lighting; and maintain electrical control of aircraft systems, including hydraulic, landing gear, flight control, utility, and power plant engine, flight and non-instrument-type indicating and warning systems, automatic flight control and stabilization systems, aircraft compass systems, attitude reference systems, inertial navigation systems, and environmental control systems.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 4.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Aviation Electricians Mate Intermediate Level Technician 001472

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	AVIA I-LEVEL ELECTRICIAN	AVELX TEC I-LV

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AE	NEC EXXX, IXXX, 7XXX series and other NECs as assigned

Job Description

Aviation Electrician's Mate Intermediate Level Technicians communicate with Production Control and Quality Assurance work centers and operate according to the Naval Aviation Maintenance Program (NAMP); maintain and inspect a wide array of equipment including: electrical and electronic components, batteries, inertial navigation units, test sets and electronic module test consoles, aircraft instruments, generators and generator power distribution equipment, and night vision goggles; and conduct system troubleshooting procedures using critical thinking skills and deductive reasoning to interpret schematics for electrical and electronic circuits.

DoD Relationship **O*NET Relationship**

Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Aircraft Accessories	160200	Avionics Technicians	49-2091.00	Installation, Maintenance, and Repair

Skills	Abilities
Equipment Maintenance	*Written Comprehension*
Systems Evaluation	*Manual Dexterity*
Quality Control Analysis	*Deductive Reasoning*
Monitoring	*Finger Dexterity*
Management of Material Resources	*Information Ordering*
Reading Comprehension	*Problem Sensitivity*
Installation	*Flexibility of Closure*
Judgment and Decision Making	*Inductive Reasoning*
Management of Personnel Resources	*Trunk Strength*
Systems Analysis	*Visual Color Discrimination*

AIRCRAFT ELECTRICAL SYSTEMS AND COMPONENTS

Paygrade	Task Type	Task Statements
E4	CORE	Perform corrective maintenance on aircraft electrical and electronic emergency systems and components
E4	CORE	Perform corrective maintenance on blade fold/wing fold systems and components
E4	NON-CORE	Perform corrective maintenance on circuit cards
E4	CORE	Perform corrective maintenance on Environmental Control Systems (ECS) and components (e.g., control panels, switches, control boxes, etc.)
E4	CORE	Perform corrective maintenance on lighting systems and components
E4	CORE	Perform corrective maintenance on master caution, warning, and advisory systems and components
E4	CORE	Perform corrective maintenance on miscellaneous electrical and electronic systems and components (e.g., aircraft clock, night vision, etc.)
E4	CORE	Perform handling of Electrostatic Discharge Sensitive (ESDS) components
E4	CORE	Perform preventive maintenance on aircraft electrical and electronic emergency systems and components
E4	CORE	Perform preventive maintenance on blade fold/wing fold systems and components
E4	NON-CORE	Perform preventive maintenance on circuit cards
E4	CORE	Perform preventive maintenance on Environmental Control Systems (ECS) and components (e.g., control panels, switches, control boxes, etc.)
E4	CORE	Perform preventive maintenance on lighting systems and components

AIRCRAFT ELECTRICAL SYSTEMS AND COMPONENTS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventive maintenance on master caution, warning and advisory systems and components
E4	CORE	Perform preventive maintenance on miscellaneous electrical and electronic systems and components (e.g., aircraft clock, night vision, etc.)

AIRCRAFT INSTRUMENTS AND NAVIGATION SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Perform corrective maintenance on aircraft compass systems and components
E4	CORE	Perform corrective maintenance on aircraft navigation electrical and electronic systems and components
E4	CORE	Perform corrective maintenance on fire warning indicating systems and components
E4	CORE	Perform corrective maintenance on liquid quantity systems and indicators (e.g., fuel, hydraulics, liquid oxygen, etc.)
E4	CORE	Perform corrective maintenance on pitot static systems and components
E4	CORE	Perform preventive maintenance on aircraft compass systems and components
E4	CORE	Perform preventive maintenance on aircraft navigation electrical and electronic systems and components
E4	CORE	Perform preventive maintenance on fire warning indicating systems and components
E4	CORE	Perform preventive maintenance on liquid quantity systems and indicators (e.g., fuel, hydraulics, liquid oxygen, etc.)
E4	CORE	Perform preventive maintenance on pitot static systems and components

AIRCRAFT POWER PLANT ELECTRICAL SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Perform corrective maintenance on aircraft power plant electrical and electronic systems and components
E4	CORE	Perform corrective maintenance on electrical fuel distribution, transfer, and dump systems
E4	CORE	Perform corrective maintenance on engine temperature monitoring systems and components
E4	CORE	Perform corrective maintenance on fuel system electrical components
E4	NON-CORE	Perform corrective maintenance on propeller electrical and electronic systems and components
E4	CORE	Perform preventive maintenance on aircraft power plant electrical and electronic systems and components
E4	CORE	Perform preventive maintenance on electrical fuel distribution, transfer, and dump systems
E4	CORE	Perform preventive maintenance on engine temperature monitoring systems and components
E4	CORE	Perform preventive maintenance on fuel system electrical components
E4	NON-CORE	Perform preventive maintenance on propeller electrical and electronic systems and components

AIRFRAME ELECTRICAL SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Perform corrective maintenance on airframe electrical and electronic systems and components
E4	CORE	Perform corrective maintenance on airframe subsystems electrical and electronic systems and components
E4	CORE	Perform corrective maintenance on landing gear electrical and electronic systems and components
E4	CORE	Perform preventive maintenance on airframe electrical and electronic systems and components
E4	CORE	Perform preventive maintenance on airframe subsystems electrical and electronic systems and components
E4	CORE	Perform preventive maintenance on landing gear electrical and electronic systems and components

AUTOMATIC FLIGHT CONTROL SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Perform corrective maintenance on Automatic Flight Control Systems (AFCS) and components
E4	NON-CORE	Perform corrective maintenance on Automatic Throttle Control (ATC) systems and components
E4	CORE	Perform corrective maintenance on flight surface indicating systems and components
E4	CORE	Perform preventive maintenance on Automatic Flight Control Systems (AFCS) and components
E4	NON-CORE	Perform preventive maintenance on Automatic Throttle Control systems (ATC) and components
E4	CORE	Perform preventive maintenance on flight surface indicating systems and components

CORROSION CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Perform corrosion prevention on aircraft electrical and electronic systems and components
E4	CORE	Perform corrosion prevention on aircraft systems and components
E4	CORE	Perform corrosion prevention on support equipment (SE) and Individual Material Readiness List (IMRL) assets and related equipment
E4	CORE	Perform corrosion treatment on aircraft electrical and electronic systems and components
E4	CORE	Perform corrosion treatment on aircraft systems and components
E4	CORE	Perform corrosion treatment on support equipment (SE) and Individual Material Readiness List (IMRL) assets and related equipment

ELECTRICAL WIRING MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Assemble aircraft wiring devices (e.g., cannon plugs, ground points, splice points, etc.)
E4	CORE	Assemble aircraft wiring harness system components
E4	CORE	Build aircraft wiring harnesses
E4	CORE	Perform corrective maintenance on aircraft wiring and associated devices (e.g., cannon plugs, ground points, splice points, etc.)
E4	CORE	Perform corrective maintenance on aircraft wiring harness systems and components
E4	CORE	Perform preventive maintenance on aircraft wiring and associated devices (e.g., cannon plugs, ground points, splice points, etc.)
E4	CORE	Perform preventive maintenance on aircraft wiring harness systems and components

GENERAL AIRCRAFT INSPECTION

Paygrade	Task Type	Task Statements
E5	CORE	Incorporate Technical Directives (TD)
E4	CORE	Perform conditional inspections
E4	CORE	Perform preoperational inspections
E4	CORE	Perform special inspections
E4	CORE	Perform zonal inspections

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Brief maintenance operations (e.g., aircraft moves, low power turns, production control, work center, etc.)
E4	CORE	Document aviation maintenance actions
E7	CORE	Manage Production Control (PC) operations
E5	CORE	Update Monthly Maintenance Plans (MMP)
E5	CORE	Validate maintenance workload status
E5	CORE	Verify Maintenance Data Reports (MDR)

POWER GENERATION AND DISTRIBUTION SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Perform corrective maintenance on aircraft circuit protection systems and devices
E4	CORE	Perform corrective maintenance on aircraft electrical and electronic power distribution systems and components
E4	CORE	Perform corrective maintenance on aircraft generators
E4	CORE	Perform corrective maintenance on aircraft supervisory panels and voltage regulators
E4	CORE	Perform corrective maintenance on aircraft transformer rectifiers, converters, and inverters
E4	CORE	Perform corrective maintenance on Bus Power Control Units (BPCU)
E4	CORE	Perform corrective maintenance on Generator Control Units (GCU)

POWER GENERATION AND DISTRIBUTION SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform corrective maintenance on generator systems and components (e.g., generator control panel, contactors, bus tie contactors, relay panels, etc.)
E4	CORE	Perform corrective maintenance on main aircraft batteries
E4	CORE	Perform preventive maintenance on aircraft circuit protection systems and devices
E4	CORE	Perform preventive maintenance on aircraft electrical and electronic power distribution systems and components
E4	CORE	Perform preventive maintenance on aircraft generators
E4	CORE	Perform preventive maintenance on aircraft supervisory panels and voltage regulators
E4	CORE	Perform preventive maintenance on aircraft transformer rectifiers, converters, and inverters
E4	CORE	Perform preventive maintenance on Bus Power Control Units (BPCU)
E4	CORE	Perform preventive maintenance on Generator Control Units (GCU)
E4	CORE	Perform preventive maintenance on generator systems and components (e.g., generator control panel, contactors, bus tie contactors, relay panels, etc.)
E4	CORE	Perform preventive maintenance on main aircraft batteries
E4	CORE	Stow aircraft batteries
E4	CORE	Transport aircraft batteries

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E5	CORE	Audit Naval Aviation Maintenance Programs (NAMP)
E4	CORE	Conduct Collateral Duty Inspector (CDI) inspections
E5	CORE	Conduct Quality Assurance (QA) inspections
E6	CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Monitor Naval Aviation Maintenance Programs (NAMP)
E4	CORE	Perform acceptance inspections
E4	CORE	Perform transfer inspections
E4	CORE	Supervise electrical and electronic maintenance tasks

Job Title **Job Code**

Aviation Electricians Mate Organizational Level Technician 001527

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	AVIA O-LEVEL ELECTRICIAN	AVELX TEC O-LV

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AE	NEC EXXX, IXXX, 7XXX series and other NECs as assigned

Job Description

Aviation Electrician's Mate Organizational Level Technicians communicate with Maintenance Control and Quality Assurance work centers and operate according to the Naval Aviation Maintenance Program (NAMP); maintain, troubleshoot, repair, and inspect a wide array of electrical and electronic equipment including: aircraft electrical systems, aircraft instrumentation equipment, aircraft power plant- and airframe-related equipment, and aircraft lighting equipment; and conduct system troubleshooting procedures using critical thinking skills and deductive reasoning to interpret schematics for electrical and electronic circuits, and environmental systems

DoD Relationship **O*NET Relationship**

Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Aircraft Accessories	160200	Avionics Technicians	49-2091.00	Installation, Maintenance, and Repair

Skills	Abilities
Equipment Maintenance	*Written Comprehension*
Systems Evaluation	*Deductive Reasoning*
Quality Control Analysis	*Manual Dexterity*
Monitoring	*Information Ordering*
Judgment and Decision Making	*Problem Sensitivity*
Management of Material Resources	*Finger Dexterity*
Reading Comprehension	*Oral Expression*
Management of Personnel Resources	*Inductive Reasoning*
Time Management	*Flexibility of Closure*
Complex Problem Solving	*Time Sharing*

AIRCRAFT ELECTRICAL SYSTEMS AND COMPONENTS

Paygrade	Task Type	Task Statements
E4	CORE	Perform corrective maintenance on aircraft electrical and electronic emergency systems and components
E4	CORE	Perform corrective maintenance on blade fold/wing fold systems and components
E4	CORE	Perform corrective maintenance on data bus systems and components
E4	CORE	Perform corrective maintenance on Environmental Control Systems (ECS) and components (e.g., control panels, switches, control boxes, etc.)
E4	CORE	Perform corrective maintenance on flight data recording systems
E4	CORE	Perform corrective maintenance on Health Monitoring Systems (HMS) and components
E4	NON-CORE	Perform corrective maintenance on integrated helmet electronic systems
E4	CORE	Perform corrective maintenance on lighting systems and components
E4	CORE	Perform corrective maintenance on master caution, warning, and advisory systems and components
E4	CORE	Perform corrective maintenance on miscellaneous electrical and electronic systems and components (e.g., aircraft clock, night vision, etc.)
E4	NON-CORE	Perform corrective maintenance on vapor purge warning systems and components
E4	CORE	Perform handling of Electrostatic Discharge Sensitive (ESDS) components
E4	CORE	Perform preventive maintenance on aircraft electrical and electronic emergency systems and components

AIRCRAFT ELECTRICAL SYSTEMS AND COMPONENTS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventive maintenance on blade fold/wing fold systems and components
E4	CORE	Perform preventive maintenance on data bus systems and components
E4	CORE	Perform preventive maintenance on Environmental Control Systems (ECS) and components (e.g., control panels, switches, control boxes, etc.)
E4	CORE	Perform preventive maintenance on flight data recording systems
E4	CORE	Perform preventive maintenance on Health Monitoring Systems (HMS) and components
E4	NON-CORE	Perform preventive maintenance on integrated helmet electronic systems
E4	CORE	Perform preventive maintenance on lighting systems and components
E4	CORE	Perform preventive maintenance on master caution, warning and advisory systems and components
E4	CORE	Perform preventive maintenance on miscellaneous electrical and electronic systems and components (e.g., aircraft clock, night vision, etc.)
E4	NON-CORE	Perform preventive maintenance on vapor purge warning systems and components

AIRCRAFT INSTRUMENTS AND NAVIGATION SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Perform corrective maintenance on aircraft compass systems and components
E4	CORE	Perform corrective maintenance on aircraft navigation electrical and electronic systems and components
E4	CORE	Perform corrective maintenance on fire warning indicating systems and components
E4	CORE	Perform corrective maintenance on Flight Director Indicators (FDI) (e.g., Attitude Direction Indicator (ADI), Bearing Distance Heading Indicator (BDHI), etc.)
E4	CORE	Perform corrective maintenance on flight instruments system and components (e.g., oil pressure, hydraulic pressure, etc.)
E4	CORE	Perform corrective maintenance on liquid quantity systems and indicators (e.g., fuel, hydraulics, liquid oxygen, etc.)
E4	CORE	Perform corrective maintenance on pitot static systems and components
E4	CORE	Perform preventive maintenance on aircraft compass systems and components
E4	CORE	Perform preventive maintenance on aircraft navigation electrical and electronic systems and components
E4	CORE	Perform preventive maintenance on fire warning indicating systems and components
E4	CORE	Perform preventive maintenance on Flight Director Indicators (FDI) (e.g., Attitude Direction Indicator (ADI), Bearing Distance Heading Indicator (BDHI), etc.)
E4	CORE	Perform preventive maintenance on flight instruments system and components (e.g., oil pressure, hydraulic pressure, etc.)
E4	CORE	Perform preventive maintenance on liquid quantity systems and indicators (e.g., fuel, hydraulics, liquid oxygen, etc.)
E4	CORE	Perform preventive maintenance on pitot static systems and components

AIRCRAFT POWER PLANT ELECTRICAL SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Perform corrective maintenance on aircraft power plant electrical and electronic systems and components
E4	CORE	Perform corrective maintenance on electrical fuel distribution, transfer, and dump systems
E4	CORE	Perform corrective maintenance on engine temperature monitoring systems and components
E4	CORE	Perform corrective maintenance on fuel system electrical components
E4	NON-CORE	Perform corrective maintenance on propeller electrical and electronic systems and components
E4	CORE	Perform preventive maintenance on aircraft power plant electrical and electronic systems and components
E4	CORE	Perform preventive maintenance on electrical fuel distribution, transfer, and dump systems
E4	CORE	Perform preventive maintenance on engine temperature monitoring systems and components
E4	CORE	Perform preventive maintenance on fuel system electrical components
E4	NON-CORE	Perform preventive maintenance on propeller electrical and electronic systems and components

AIRFRAME ELECTRICAL SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Perform corrective maintenance on airframe electrical and electronic systems and components
E4	CORE	Perform corrective maintenance on airframe subsystems electrical and electronic systems and components
E4	CORE	Perform corrective maintenance on landing gear electrical and electronic systems and components
E4	CORE	Perform preventive maintenance on airframe electrical and electronic systems and components
E4	CORE	Perform preventive maintenance on airframe subsystems electrical and electronic systems and components
E4	CORE	Perform preventive maintenance on landing gear electrical and electronic systems and components

AUTOMATIC FLIGHT CONTROL SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Perform corrective maintenance on Automatic Flight Control Systems (AFCS) and components
E4	NON-CORE	Perform corrective maintenance on Automatic Throttle Control (ATC) systems and components
E4	CORE	Perform corrective maintenance on flight surface indicating systems and components
E4	CORE	Perform preventive maintenance on Automatic Flight Control Systems (AFCS) and components

AUTOMATIC FLIGHT CONTROL SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Perform preventive maintenance on Automatic Throttle Control systems (ATC) and components
E4	CORE	Perform preventive maintenance on flight surface indicating systems and components

CORROSION CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Perform corrosion prevention on aircraft electrical and electronic systems and components
E4	CORE	Perform corrosion prevention on aircraft systems and components
E4	CORE	Perform corrosion prevention on support equipment (SE) and Individual Material Readiness List (IMRL) assets and related equipment
E4	CORE	Perform corrosion treatment on aircraft electrical and electronic systems and components
E4	CORE	Perform corrosion treatment on aircraft systems and components
E4	CORE	Perform corrosion treatment on support equipment (SE) and Individual Material Readiness List (IMRL) assets and related equipment

ELECTRICAL WIRING MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Assemble aircraft wiring devices (e.g., cannon plugs, ground points, splice points, etc.)
E4	CORE	Build aircraft wiring harnesses
E4	CORE	Perform corrective maintenance on aircraft wiring and associated devices (e.g., cannon plugs, ground points, splice points, etc.)
E4	CORE	Perform corrective maintenance on aircraft wiring harness systems and components
E4	CORE	Perform preventive maintenance on aircraft wiring and associated devices (e.g., cannon plugs, ground points, splice points, etc.)
E4	CORE	Perform preventive maintenance on aircraft wiring harness systems and components
E4	CORE	Perform preventive maintenance on Electrical Wiring Interconnect System (EWIS)

GENERAL AIRCRAFT INSPECTION

Paygrade	Task Type	Task Statements
E5	CORE	Incorporate Technical Directives (TD)
E4	CORE	Perform conditional inspections
E4	CORE	Perform daily inspections
E4	CORE	Perform phase inspections
E4	CORE	Perform preoperational inspections
E4	CORE	Perform special inspections
E4	CORE	Perform turnaround inspections
E4	CORE	Perform zonal inspections

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Brief maintenance operations (e.g., aircraft moves, low power turns, production control, work center, etc.)
E7	CORE	Certify aircraft Safe for Flight (SFF)
E4	CORE	Document aviation maintenance actions
E7	CORE	Manage Maintenance Control (MC) operations
E5	CORE	Perform duties as Aircraft Crew Lead (ACL)
E5	CORE	Update Monthly Maintenance Plans (MMP)
E5	CORE	Validate maintenance workload status
E5	CORE	Verify Maintenance Data Reports (MDR)

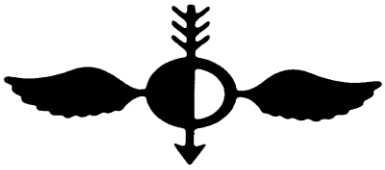
POWER GENERATION AND DISTRIBUTION SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Perform corrective maintenance on aircraft circuit protection systems and devices
E4	CORE	Perform corrective maintenance on aircraft electrical and electronic power distribution systems and components
E4	CORE	Perform corrective maintenance on aircraft generators
E4	CORE	Perform corrective maintenance on aircraft supervisory panels and voltage regulators
E4	CORE	Perform corrective maintenance on aircraft transformer rectifiers, converters, and inverters
E4	CORE	Perform corrective maintenance on Bus Power Control Units (BPCU)
E4	CORE	Perform corrective maintenance on Generator Control Units (GCU)
E4	CORE	Perform corrective maintenance on generator systems and components (e.g., generator control panel, contactors, bus tie contactors, relay panels, etc.)
E4	CORE	Perform corrective maintenance on main aircraft batteries
E4	CORE	Perform preventive maintenance on aircraft circuit protection systems and devices
E4	CORE	Perform preventive maintenance on aircraft electrical and electronic power distribution systems and components
E4	CORE	Perform preventive maintenance on aircraft generators
E4	CORE	Perform preventive maintenance on aircraft supervisory panels and voltage regulators
E4	CORE	Perform preventive maintenance on aircraft transformer rectifiers, converters, and inverters
E4	CORE	Perform preventive maintenance on Bus Power Control Units (BPCU)
E4	CORE	Perform preventive maintenance on Generator Control Units (GCU)
E4	CORE	Perform preventive maintenance on generator systems and components (e.g., generator control panel, contactors, bus tie contactors, relay panels, etc.)
E4	CORE	Perform preventive maintenance on main aircraft batteries
E4	CORE	Stow aircraft batteries
E4	CORE	Transport aircraft batteries

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E5	CORE	Audit Naval Aviation Maintenance Programs (NAMP)
E4	CORE	Conduct Collateral Duty Inspector (CDI) inspections
E5	CORE	Conduct Quality Assurance (QA) inspections
E6	NON-CORE	Coordinate flight deck and flight line operations
E7	CORE	Manage flight deck and flight line operations
E7	CORE	Manage hangar and flight line aircraft maintenance operations
E6	CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Monitor Naval Aviation Maintenance Programs (NAMP)
E4	CORE	Perform acceptance inspections
E4	CORE	Perform transfer inspections
E4	CORE	Supervise electrical and electronic maintenance tasks

CHAPTER 5



AEROGRAPHER'S MATE
(AG)

NAVPERS 18068F-5E
Change 95

Updated: July 2023

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

AEROGRAPHER'S MATE (AG)

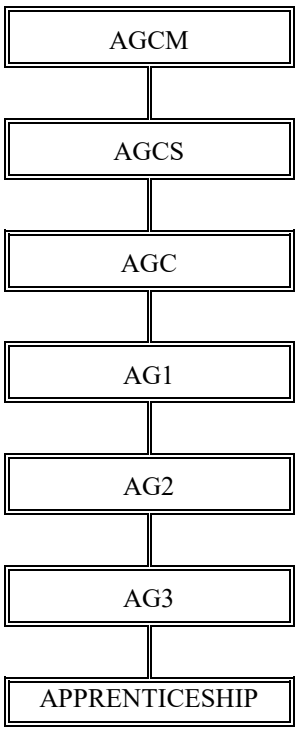
SCOPE OF RATING

Aerographer's Mates (AG) collect, measure, and analyze the elements of the physical environment (Land/Sea/Air/Space) and land/sea interface; synthesize a vast array of oceanographic, hydrographic, celestial, and meteorological data and in situ observations and measurements to produce forecasts and warnings in support of safety of flight, navigation, and Naval/Joint operations and missions; demonstrate expertise in Meteorological and Oceanographic (METOC) equipment and systems, Geospatial Information and Services (GIS), and Tactical Decision Aids (TDA); combine knowledge of the operating environment with a thorough understanding of warfighting capabilities to assess and predict environmental impacts to friendly and enemy platforms, sensors, and weapon systems; develop actionable recommendations regarding tactics, techniques, and procedures that fully exploit environmental parameters, mitigate risks, and enable decision superiority across all warfighting areas and strategic and enabling capabilities; operate Unmanned Systems (UxS), small boats and expeditionary survey vehicles to collect meteorological, hydrographic and oceanographic data; and distribute data internally and externally to platforms and operational activities via communication devices, web-centric architecture, or on-scene in direct support of afloat units, Fleet/Joint staffs, or Combatant/Operational Commanders.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 5.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Meteorological And Oceanographic (METOC) Analyst 001695

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Life, Physical, and Social Science	TBD	METOC ANALYST	METOC ANALYST

Pay Plan	Career Field	Other Relationships and Rules
ENLISTED	AG	NEC JXXX and 7XXX series and other NECs as assigned

Job Description

Meteorological and Oceanographic (METOC) Analysts observe, measure, and collect atmospheric and oceanographic data, phenomena, and parameters that affect platforms, sensors, and weapon systems performance; interpret numerical prediction models and provide limited analysis of operationally significant weather data (e.g., cloud cover, freezing level, fronts and pressure centers, significant weather, and hazards to flight, etc.); conduct routine analysis of hydrographic features and elements on nautical/navigation charts and prepare routine forecasts of METOC conditions on synoptic, meso, and micro scales in low risk operating areas; utilize Tactical Decision Aids (TDA) to generate graphical depictions of atmospheric refractive conditions and acoustic properties of the ocean; operate Unmanned Systems (UxS), small boats and expeditionary survey vehicles to collect meteorological, hydrographic and oceanographic data; process side-scan, multi-beam, and single-beam sonar imageries; brief current METOC conditions in support of warfare operations (e.g., Anti-Submarine Warfare (ASW), Mine Warfare (MIW), Strike Warfare (STW), Amphibious Warfare (AMW), Electromagnetic Maneuver Warfare (EMW)); operate classified/unclassified software and systems; and communicate METOC information internally and externally to platforms and operational activities.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Weather, General	142000	Atmospheric and Space Scientists	19-2021.00	Life, Physical, and Social Science

Skills	Abilities
Science	*Information Ordering*
Critical Thinking	*Deductive Reasoning*
Speaking	*Oral Expression*
Operation and Control	*Flexibility of Closure*
Operations Analysis	*Speech Clarity*
Coordination	*Written Expression*
Quality Control Analysis	*Spatial Orientation*
Judgment and Decision Making	*Written Comprehension*
Writing	*Category Flexibility*
Management of Material Resources	*Problem Sensitivity*

ASSIMILATION, APPLICATION, AND PREDICTION

Paygrade	Task Type	Task Statements
E5	CORE	Assess climatological data for long-range mission planning
E4	CORE	Brief satellite derived meteorological features and elements

CHARACTERIZATION AND ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze atmospheric refractive conditions
E4	CORE	Analyze bathythermograph data
E4	CORE	Analyze hydrographic data
E4	NON-CORE	Analyze impacts of clutter density data to mission timelines
E4	CORE	Analyze ocean surface buoy data
E4	CORE	Analyze open ocean wave conditions (i.e., average and significant wave heights, lengths, and periods)
E4	CORE	Analyze ray trace diagrams
E4	CORE	Analyze sea ice conditions
E4	CORE	Analyze sea surface conditions (i.e., current direction and speed, ocean fronts and eddies, and sea surface temperature)
E4	NON-CORE	Analyze sonar imagery (i.e., side-scan, multi-beam and single beam)

CHARACTERIZATION AND ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Sound Speed Profile (SSP) (e.g., sonic layer depth, sound channels, best depth, cut-off frequencies, etc.)
E5	NON-CORE	Analyze Unmanned Underwater Vehicle (UUV) data
E4	NON-CORE	Apply geospatial orientation on Meteorological and Oceanographic (METOC) products
E4	CORE	Brief basic Meteorological and Oceanographic (METOC) elements and features on climatological products and information
E4	NON-CORE	Brief hydrographic features and elements on nautical/navigation charts
E4	CORE	Brief meteorological features and elements on surface weather charts
E4	CORE	Brief oceanographic and biological properties of the oceans (e.g., bottom types, bioluminescence, etc.)
E4	CORE	Brief satellite derived oceanographic features and elements
E4	NON-CORE	Characterize hydrographic features and elements on nautical/navigation charts
E4	CORE	Characterize meteorological features and elements on constant pressure charts
E4	CORE	Characterize meteorological features and elements on satellite imagery
E4	CORE	Characterize meteorological features and elements on surface weather charts
E4	CORE	Characterize meteorological features and elements on upper air data
E4	CORE	Characterize oceanographic features and elements on satellite imagery
E4	CORE	Characterize physical and biological properties of the oceans
E4	CORE	Characterize severe weather (e.g., tornadoes, thunderstorms, hail, etc.)
E4	CORE	Compile oceanographic and biological data (e.g., bottom types, bioluminescence, etc.)
E5	CORE	Develop tropical streamline analyses
E4	CORE	Evaluate ocean surface buoy data
E4	CORE	Evaluate ray trace diagrams
E4	NON-CORE	Generate graphical depictions of hydrographic properties of the ocean
E4	CORE	Integrate bathythermograph data into oceanographic prediction products
E4	NON-CORE	Perform change detection and contact fusion analyses
E4	NON-CORE	Process multi-beam sonar imagery
E4	NON-CORE	Process single beam sonar imagery

METEOROLOGICAL, OCEANOGRAPHIC, AND HYDROGRAPHIC DATA COLLECTION

Paygrade	Task Type	Task Statements
E4	CORE	Collect climatological data for long-range mission planning
E4	NON-CORE	Collect hydrographic data
E4	NON-CORE	Collect ocean bottom data using Unmanned Underwater Vehicles (UUV)
E4	CORE	Collect satellite imagery using shipboard or shore-based satellite data terminal (i.e., SMQ-11 and FMQ-17)
E4	CORE	Compile astronomical data (e.g., solar, lunar, tidal, etc.)
E4	CORE	Document observed surf conditions (e.g., breaker height, breaker type, breaker angle, etc.)
E4	NON-CORE	Launch oceanographic buoys

METEOROLOGICAL, OCEANOGRAPHIC, AND HYDROGRAPHIC DATA COLLECTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Measure current atmospheric conditions (e.g., land-based, shipboard, upper air, etc.)
E4	CORE	Observe surf conditions (e.g., breaker height, breaker type, breaker angle, etc.)
E4	NON-CORE	Perform launch and recovery of Unmanned Underwater Vehicles (UUV)
E4	NON-CORE	Perform small craft operations (e.g., Expeditionary Survey Vehicle (ESV), Combat Rubber Raiding Craft (CRRC), etc.)
E4	NON-CORE	Process side-scan sonar imagery
E4	NON-CORE	Record current tidal observations
E4	CORE	Record current weather observations (e.g., land-based, shipboard, upper air, etc.)
E4	NON-CORE	Recover oceanographic buoys

METOC ADMINISTRATION, TRAINING, AND QUALITY CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Archive Meteorological and Oceanographic (METOC) data
E4	NON-CORE	Conduct Meteorological and Oceanographic (METOC) training
E4	CORE	Disseminate Meteorological and Oceanographic (METOC) forecasts and products
E4	NON-CORE	Inspect Meteorological and Oceanographic (METOC) equipment
E4	CORE	Maintain Meteorological and Oceanographic (METOC) administrative files
E4	CORE	Maintain Meteorological and Oceanographic (METOC) publications and databases
E4	CORE	Maintain Tactical Decision Aid (TDA) sensor databases
E4	CORE	Perform environmental observation quality control checks (e.g., surface, synoptic, surf, etc.)
E5	NON-CORE	Provide Meteorological and Oceanographic (METOC) information for Daily Intentions Message System (DIMS)
E4	CORE	Verify deployable Meteorological and Oceanographic (METOC) equipment readiness

SAFETY OF FLIGHT, NAVIGATION, AND INFRASTRUCTURE

Paygrade	Task Type	Task Statements
E4	CORE	Analyze radar data in support of flight operations (i.e., convective and non-convective meteorological features significant to aircraft operations and safety)
E4	CORE	Brief flight weather conditions and recommendations
E4	CORE	Brief sea ice conditions and forecasts
E4	CORE	Brief Terminal Aerodrome Forecast (TAF)
E4	CORE	Collect observed environmental conditions in the event of a mishap (e.g., aircraft, ship, infrastructure, personnel, etc.)
E4	NON-CORE	Construct digital flight weather packages (i.e., ditch headings, satellite image, and flight level wind)
E4	NON-CORE	Create Optimum Path Aircraft Routing System (OPARS) customized flight plan predictions
E4	CORE	Develop Horizontal Weather Depictions (HWD) (e.g., cloud cover, freezing level, fronts and pressure centers, significant weather, hazards to flight, etc.)
E4	CORE	Plot ship Projected Intended Movement (PIM) and Movement Reports (MOVREP)

TACTICAL/OPERATIONAL ASSESSMENTS AND RECOMMENDATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Analyze acoustic and non-acoustic contacts
E4	CORE	Assess astronomical data (e.g., solar, lunar, tidal, etc.)
E4	CORE	Brief Chain of Command (COC) of environmental conditions impacting operations
E4	NON-CORE	Brief change detection and contact fusion analyses
E4	CORE	Brief communications forecasts, impacts, and recommendations
E4	CORE	Brief current local weather conditions, advisories, and warnings
E4	CORE	Brief current/forecasted Meteorological and Oceanographic (METOC) conditions in support of warfare operations (e.g., Undersea Warfare (USW), Mine Warfare (MIW), Strike Warfare (STW), Intelligence, Surveillance, and Reconnaissance (ISR), etc.)
E4	CORE	Brief forecasted atmospheric refractive conditions
E5	NON-CORE	Brief Humanitarian Assistance and Disaster Relief (HADR) forecasts and recommendations
E4	NON-CORE	Brief impacts of clutter density data to mission timelines
E4	CORE	Brief oceanographic acoustic prediction assessments and recommendations
E5	CORE	Brief Search and Rescue (SAR) forecasts and recommendations
E5	CORE	Brief surf forecasts and recommendations
E4	CORE	Create oceanographic acoustic prediction products (i.e., three-dimensional graphics, animations, audio, and tactical visualizations)
E4	CORE	Develop electromagnetic wave propagation predictions
E4	CORE	Develop electro-optic sensor predictions
E4	NON-CORE	Develop hydrographic mission planning briefs
E4	NON-CORE	Develop mosaic mapped imagery

Job Title **Job Code**

Meteorological And Oceanographic (METOC) Forecaster 001585

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Life, Physical, and Social Science	TBD	METOC FORECASTER	METOC FORCASTR

Pay Plan	Career Field	Other Relationships and Rules
ENLISTED	AG	NEC JXXX and 7XXX series and other NECs as assigned

Job Description

Meteorological and Oceanographic (METOC) Forecasters carry out a broad range of METOC forecasting activities to be performed in a wide variety of contexts, some of which are complex and non-routine; demonstrate personal autonomy and responsibility in the generation of METOC products and operational recommendations; demonstrate critical thinking and the capacity to apply scientific knowledge and skills in an integrated way; predict and assess the impact of the elements of the physical environment (Land/Sea/Air/Space) and land/sea interface on both friendly and enemy platforms, sensors and weapon system performance, safety of flight and navigation, and Naval/Joint operations and missions; evaluate numerical model performance to quantify the accuracy and reliability of future performance in low and moderate risk operating areas; analyze hydrographic features and elements on nautical/navigation charts and forecast METOC conditions on synoptic, meso, and micro scales in moderate risk operating areas; analyze side-scan, multi-beam, and single-beam sonar imagery; collect and analyze ocean bottom data using unmanned underwater vehicles; create climatological studies supporting Naval warfare planning; produce forecasts and warnings; synthesize a vast array of METOC data to characterize the operating environment and recommend Courses of Actions (COA) to enhance the warfighter's ability to exploit the physical environment for successful mission accomplishment; brief forecasted METOC conditions in support of warfare operations (e.g., Anti-Submarine Warfare (ASW), Mine Warfare (MIW), Strike Warfare (STW), Amphibious Warfare (AMW), Electromagnetic Maneuver Warfare (EMW), Navy Special Warfare (NSW)); and distribute data internally and externally to aircraft, ships, and shore activities via communication devices/web-centric architecture.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Weather, General	142000	Atmospheric and Space Scientists	19-2021.00	Life, Physical, and Social Science

Skills	Abilities
Science	*Information Ordering*
Critical Thinking	*Deductive Reasoning*
Complex Problem Solving	*Written Expression*
Speaking	*Oral Expression*
Judgment and Decision Making	*Speech Clarity*
Coordination	*Flexibility of Closure*
Systems Analysis	*Inductive Reasoning*
Writing	*Speed of Closure*
Operations Analysis	*Visualization*
Operation and Control	*Written Comprehension*

ASSIMILATION, APPLICATION, AND PREDICTION

Paygrade	Task Type	Task Statements
E5	CORE	Analyze numerical model performance
E5	CORE	Assess climatological data for long-range mission planning
E4	CORE	Brief satellite derived meteorological features and elements
E5	CORE	Develop prognostic blend weather charts
E5	NON-CORE	Develop submarine operations forecasts
E5	CORE	Develop synoptic-scale surface weather forecasts (i.e., tropical, mid-latitude, and arctic)
E5	CORE	Evaluate numerical model performance
E5	CORE	Forecast aircraft en route weather (e.g., ditch headings, aircraft icing, flight weather winds, altimeter settings, freezing levels, etc.)
E5	CORE	Forecast electromagnetic wave propagation
E5	CORE	Forecast flight weather, visibility, and cloud ceiling conditions (i.e., Visual Flight Rules (VFR), Instrument Flight Rules (IFR),Visual Meteorological Conditions (VMC), and Instrument Meteorological Conditions (IMC))

ASSIMILATION, APPLICATION, AND PREDICTION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Forecast jet stream positions and intensities
E5	CORE	Forecast long wave patterns
E5	CORE	Forecast movement and intensity changes in major short wave troughs and ridges
E5	CORE	Forecast movement and intensity changes in surface pressure systems and features
E5	CORE	Forecast oceanographic near shore conditions (e.g., littoral currents, speeds, and direction, temperatures, surf, etc.)
E5	CORE	Forecast precipitation types, intensities, and durations
E5	CORE	Forecast sea surface conditions (e.g., sea states, current direction and speed, ocean fronts and eddies, sea surface temperature, etc.)
E5	CORE	Forecast severe weather (e.g., tornados, thunderstorms, hail, etc.)
E5	CORE	Forecast sky conditions (e.g., cloud types, amounts, layer heights, etc.)
E5	CORE	Forecast sound propagation (e.g., sonic layer depth, sound channels, best depth, etc.)
E5	CORE	Forecast surface air temperatures (e.g., ambient air, dew point, heat stress, wind chill, etc.)
E5	CORE	Forecast synoptic-scale meteorological features and elements (e.g., pressure systems, frontal boundaries, cloud cover, precipitation, etc.)
E5	CORE	Forecast tropical cyclone development, movement, and intensity changes
E5	CORE	Forecast visibility obstructions (e.g., fog, rain, haze, smoke, etc.)
E5	CORE	Forecast wind conditions (e.g., direction, speed, character, shifts, etc.)
E5	CORE	Forecast wind shear and turbulence (e.g., types, intensities, levels, and locations, etc.)
E6	CORE	Synthesize performance trends of multiple numerical models
E5	CORE	Validate severe weather advisories, watches and warnings (e.g., tornadoes, thunderstorms, hail, etc.)

CHARACTERIZATION AND ANALYSIS

Paygrade	Task Type	Task Statements
E6	CORE	Analyze advanced physics-based effects (e.g., dynamics, kinematics, thermodynamics, etc.)
E4	CORE	Analyze atmospheric refractive conditions
E4	CORE	Analyze bathythermograph data
E4	CORE	Analyze hydrographic data
E4	NON-CORE	Analyze hydrographic features and elements on nautical/navigation charts
E5	NON-CORE	Analyze imageries for environmental Essential Elements of Information (EEI)
E4	NON-CORE	Analyze impacts of clutter density data to mission timelines
E5	NON-CORE	Analyze Magnetic Anomaly Detection (MAD) Magnetic Operational Effectiveness (MOE) charts
E5	NON-CORE	Analyze Meteorological and Oceanographic (METOC) features and elements on full motion videos
E5	CORE	Analyze meteorological features and elements on constant pressure charts
E5	CORE	Analyze meteorological features and elements on satellite imagery
E5	CORE	Analyze meteorological features and elements on surface weather charts

CHARACTERIZATION AND ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Analyze meteorological features and elements on upper air data
E5	CORE	Analyze ocean bottom characteristics (e.g., topography, sediment, etc.)
E4	CORE	Analyze ocean surface buoy data
E5	NON-CORE	Analyze oceanographic features and elements on satellite imagery
E4	CORE	Analyze open ocean wave conditions (i.e., average and significant wave heights, lengths, and periods)
E5	CORE	Analyze physical and biological properties of the oceans
E5	CORE	Analyze prognostic weather charts
E4	CORE	Analyze ray trace diagrams
E5	NON-CORE	Analyze riverine imagery
E4	CORE	Analyze sea surface conditions (i.e., current direction and speed, ocean fronts and eddies, and sea surface temperature)
E4	NON-CORE	Analyze sonar imagery (i.e., side-scan, multi-beam and single beam)
E4	CORE	Analyze Sound Speed Profile (SSP) (e.g., sonic layer depth, sound channels, best depth, cut-off frequencies, etc.)
E5	CORE	Analyze thickness and height change charts
E5	NON-CORE	Analyze Unmanned Underwater Vehicle (UUV) data
E5	CORE	Analyze vorticity charts
E4	NON-CORE	Apply geospatial orientation on Meteorological and Oceanographic (METOC) products
E4	CORE	Brief basic Meteorological and Oceanographic (METOC) elements and features on climatological products and information
E5	NON-CORE	Brief graphical depictions of hydrographic properties of the ocean
E4	NON-CORE	Brief hydrographic features and elements on nautical/navigation charts
E4	CORE	Brief meteorological features and elements on surface weather charts
E4	CORE	Brief oceanographic and biological properties of the oceans (e.g., bottom types, bioluminescence, etc.)
E4	CORE	Brief satellite derived oceanographic features and elements
E4	CORE	Characterize meteorological features and elements on constant pressure charts
E4	CORE	Characterize meteorological features and elements on satellite imagery
E4	CORE	Characterize meteorological features and elements on surface weather charts
E4	CORE	Characterize meteorological features and elements on upper air data
E4	CORE	Characterize oceanographic features and elements on satellite imagery
E4	CORE	Characterize physical and biological properties of the oceans
E4	CORE	Characterize severe weather (e.g., tornadoes, thunderstorms, hail, etc.)
E4	CORE	Compile oceanographic and biological data (e.g., bottom types, bioluminescence, etc.)
E5	CORE	Develop tropical streamline analyses
E5	CORE	Enhance meteorological features and elements in multi-channel satellite derived imagery
E4	CORE	Evaluate ocean surface buoy data

CHARACTERIZATION AND ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Evaluate ray trace diagrams
E5	CORE	Evaluate stability indices on upper air profiles
E5	CORE	Evaluate surf conditions (e.g., breaker height, breaker type, breaker angle, etc.)
E4	NON-CORE	Generate graphical depictions of hydrographic properties of the ocean
E4	CORE	Integrate bathythermograph data into oceanographic prediction products
E4	NON-CORE	Perform change detection and contact fusion analyses
E4	NON-CORE	Process multi-beam sonar imagery
E4	NON-CORE	Process single beam sonar imagery
E7	NON-CORE	Validate hydrographic features and elements on nautical/navigation charts

METEOROLOGICAL, OCEANOGRAPHIC, AND HYDROGRAPHIC DATA COLLECTION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Collect hydrographic data
E4	NON-CORE	Collect ocean bottom data using Unmanned Underwater Vehicles (UUV)
E4	CORE	Compile astronomical data (e.g., solar, lunar, tidal, etc.)
E4	NON-CORE	Launch oceanographic buoys
E4	NON-CORE	Perform launch and recovery of Unmanned Underwater Vehicles (UUV)
E4	NON-CORE	Perform small craft operations (e.g., Expeditionary Survey Vehicle (ESV), Combat Rubber Raiding Craft (CRRC), etc.)
E4	NON-CORE	Process side-scan sonar imagery
E4	NON-CORE	Recover oceanographic buoys

METOC ADMINISTRATION, TRAINING, AND QUALITY CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Archive Meteorological and Oceanographic (METOC) data
E7	CORE	Compose Meteorological and Oceanographic (METOC) messages (e.g., Operational Task Report (OPTASK) Meteorological and Oceanographic (METOC), ANNEX H, Meteorological and Oceanographic (METOC) Letter of Instruction (LOI), etc.)
E7	CORE	Compose post-deployment Meteorological and Oceanographic (METOC) reports (e.g., lessons learned, operational impacts, equipment performance, etc.)
E5	NON-CORE	Compose tsunami reports
E5	CORE	Conduct Meteorological and Oceanographic (METOC) forecast and quality control checks
E4	NON-CORE	Conduct Meteorological and Oceanographic (METOC) training
E4	CORE	Disseminate Meteorological and Oceanographic (METOC) forecasts and products
E6	CORE	Establish Meteorological and Oceanographic (METOC) support requirements for warfare operations (e.g., Mine Warfare (MIW), Anti-Submarine Warfare (ASW)/Undersea Warfare (USW), Strike Warfare (STW), etc.)
E4	NON-CORE	Inspect Meteorological and Oceanographic (METOC) equipment
E5	NON-CORE	Issue environmental emergency notification warnings
E4	CORE	Maintain Meteorological and Oceanographic (METOC) administrative files

METOC ADMINISTRATION, TRAINING, AND QUALITY CONTROL (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain Meteorological and Oceanographic (METOC) publications and databases
E4	CORE	Maintain Tactical Decision Aid (TDA) sensor databases
E4	CORE	Perform environmental observation quality control checks (e.g., surface, synoptic, surf, etc.)
E5	NON-CORE	Provide Meteorological and Oceanographic (METOC) information for Daily Intentions Message System (DIMS)
E4	CORE	Verify deployable Meteorological and Oceanographic (METOC) equipment readiness

SAFETY OF FLIGHT, NAVIGATION, AND INFRASTRUCTURE

Paygrade	Task Type	Task Statements
E4	CORE	Analyze radar data in support of flight operations (i.e., convective and non-convective meteorological features significant to aircraft operations and safety)
E5	CORE	Analyze radar data in support of resource protection (e.g., severe weather potential, precipitation type and intensity, storm tracking surveillance, etc.)
E5	CORE	Assess aviation operations Meteorological and Oceanographic (METOC) support requirements
E5	CORE	Assess maritime operations Meteorological and Oceanographic (METOC) support requirements
E5	CORE	Assess operational risks due to hazardous environmental conditions
E5	CORE	Brief aviation operations forecast and recommendations (e.g., Tactical Recovery of Aircraft and Personnel (TRAP), parachute operations, in-flight refueling, etc.)
E4	CORE	Brief flight weather conditions and recommendations
E4	CORE	Brief sea ice conditions and forecasts
E4	CORE	Brief Terminal Aerodrome Forecast (TAF)
E5	CORE	Compose Meteorological and Oceanographic (METOC) advisories, watches, and warnings
E6	CORE	Compose tropical cyclone Conditions of Readiness (COR) recommendations and messages
E4	NON-CORE	Construct digital flight weather packages (i.e., ditch headings, satellite image, and flight level wind)
E4	NON-CORE	Create Optimum Path Aircraft Routing System (OPARS) customized flight plan predictions
E5	CORE	Develop afloat cyclic operations forecasts and products
E5	CORE	Develop aviation operations forecasts and recommendations (e.g., Tactical Recovery of Aircraft and Personnel (TRAP), parachute operations, in-flight refueling, etc.)
E5	CORE	Develop en route Routine Weather (WEAX) forecasts and recommendations (e.g., task force, task group, submarine, ice, graphical, etc.)
E4	CORE	Develop Horizontal Weather Depictions (HWD) (e.g., cloud cover, freezing level, fronts and pressure centers, significant weather, hazards to flight, etc.)
E5	NON-CORE	Develop International Submarine Escape and Rescue Liaison Office (ISMERLO) forecasts and recommendations

SAFETY OF FLIGHT, NAVIGATION, AND INFRASTRUCTURE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Develop local area forecasts and products
E5	CORE	Develop Terminal Aerodrome Forecasts (TAF)
E5	CORE	Evaluate forecasted environmental conditions in the event of a mishap (e.g., aircraft, ship, infrastructure, personnel, etc.)
E5	CORE	Forecast flight weather take-off, en route, and terminal conditions
E5	CORE	Forecast ice accretion conditions at-sea
E6	CORE	Provide mitigation strategies to avoid hazardous environmental conditions
E5	CORE	Update flight weather forecasts and products

TACTICAL/OPERATIONAL ASSESSMENTS AND RECOMMENDATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Analyze acoustic and non-acoustic contacts
E5	NON-CORE	Analyze Meteorological and Oceanographic (METOC) impacts on Unmanned Systems (UxS)
E5	CORE	Analyze upper air profiles for meteorological impacts (e.g., freezing level, icing, inversions, turbulence, etc.)
E4	CORE	Assess astronomical data (e.g., solar, lunar, tidal, etc.)
E5	CORE	Assess environmental impacts to the Electromagnetic Spectrum (EMS)
E5	CORE	Brief at-sea operations forecasts, impacts, and recommendations (e.g., Underway Replenishment (UNREP), Vertical Replenishment (VERTREP), and Visit, Board, Search, and Seizure (VBSS), etc.)
E5	NON-CORE	Brief ballistic wind forecasts and recommendations
E6	NON-CORE	Brief chaff dispersion forecasts and recommendations
E4	CORE	Brief Chain of Command (COC) of environmental conditions impacting operations
E4	NON-CORE	Brief change detection and contact fusion analyses
E5	CORE	Brief Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) forecasts and recommendations
E4	CORE	Brief communications forecasts, impacts, and recommendations
E4	CORE	Brief current local weather conditions, advisories, and warnings
E4	CORE	Brief current/forecasted Meteorological and Oceanographic (METOC) conditions in support of warfare operations (e.g., Undersea Warfare (USW), Mine Warfare (MIW), Strike Warfare (STW), Intelligence, Surveillance, and Reconnaissance (ISR), etc.)
E5	CORE	Brief current/forecasted tactical Meteorological and Oceanographic (METOC) recommendations in support of warfare operations (e.g., Undersea Warfare (USW), Mine Warfare (MIW), Strike Warfare (STW), Intelligence, Surveillance, and Reconnaissance (ISR), etc.)
E4	CORE	Brief forecasted atmospheric refractive conditions
E5	NON-CORE	Brief Humanitarian Assistance and Disaster Relief (HADR) forecasts and recommendations
E4	NON-CORE	Brief impacts of clutter density data to mission timelines
E6	CORE	Brief Meteorological and Oceanographic (METOC) support capabilities

TACTICAL/OPERATIONAL ASSESSMENTS AND RECOMMENDATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Brief Non-combative Evacuation Operation (NEO) forecasts and recommendations
E4	CORE	Brief oceanographic acoustic prediction assessments and recommendations
E5	CORE	Brief Operating Area (OPAREA) forecasts, impacts, and recommendations (e.g., port operations, gas and oil platform, inner harbor, etc.)
E5	NON-CORE	Brief riverine imagery
E5	CORE	Brief Search and Rescue (SAR) forecasts and recommendations
E5	CORE	Brief surf forecasts and recommendations
E5	CORE	Brief target area forecasts and recommendations
E5	CORE	Calculate evasion and detection depths
E4	CORE	Create oceanographic acoustic prediction products (i.e., three-dimensional graphics, animations, audio, and tactical visualizations)
E5	CORE	Develop amphibious warfare operations forecasts and recommendations
E5	CORE	Develop at-sea operations forecasts, impacts, and recommendations (e.g., Underway Replenishment (UNREP), Vertical Replenishment (VERTREP), and Visit, Board, Search, and Seizure (VBSS), etc.)
E5	CORE	Develop aviation strike operations forecasts and recommendations
E5	NON-CORE	Develop ballistic wind forecasts and recommendations
E5	NON-CORE	Develop chaff dispersion forecasts and recommendations
E5	CORE	Develop Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) forecasts and recommendations
E5	CORE	Develop communications forecasts, impacts, and recommendations
E4	CORE	Develop electromagnetic wave propagation predictions
E4	CORE	Develop electro-optic sensor predictions
E5	CORE	Develop expeditionary forecasts and recommendations
E5	NON-CORE	Develop Extended Echo Ranging (EER) forecasts and recommendations
E5	NON-CORE	Develop ground operating area forecasts and recommendations (e.g., civil affairs, direct action mission, ground operations, etc.)
E5	NON-CORE	Develop Humanitarian Assistance and Disaster Relief (HADR) forecasts and recommendations
E4	NON-CORE	Develop hydrographic mission planning briefs
E6	NON-CORE	Develop hydrographic mission planning recommendations
E5	NON-CORE	Develop Intelligence, Surveillance, and Reconnaissance (ISR) forecasts and recommendations
E5	CORE	Develop Meteorological and Oceanographic (METOC) pre-deployment briefs
E5	NON-CORE	Develop Mine Warfare (MIW) forecasts, summaries, and recommendations (e.g., dive plans, bottom characteristics, etc.)
E4	NON-CORE	Develop mosaic mapped imagery
E5	NON-CORE	Develop Non-combative Evacuation Operation (NEO) forecasts and recommendations
E5	CORE	Develop Operating Area (OPAREA) forecasts, impacts and recommendations (e.g., port operations, gas and oil platform, inner harbor, etc.)

TACTICAL/OPERATIONAL ASSESSMENTS AND RECOMMENDATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Develop riverine forecasts and recommendations
E5	CORE	Develop Search and Rescue (SAR) forecasts and recommendations
E5	NON-CORE	Develop special operations forecasts and recommendations (e.g., psychological, swimmer, strategic and tactical reconnaissance, etc.)
E5	NON-CORE	Develop Special Warfare (SPECWAR) mission forecasts and recommendations (e.g., Sea, Air, and Land (SEAL) Delivery Vehicle (SDV), Special Boat Team (SBT), technical operations (tech ops), etc.)
E5	CORE	Develop surf forecasts and recommendations
E5	CORE	Develop Tactical Atmospheric Summaries (TAS)
E5	CORE	Develop Tactical Oceanographic Summaries (TOS)
E5	CORE	Develop tactical recommendations based on Tactical Decision Aid (TDA) output
E5	CORE	Develop target area forecasts and recommendations
E5	CORE	Develop Undersea Warfare (USW) forecasts and recommendations
E5	NON-CORE	Develop Unmanned Systems (UxS) forecasts and recommendations
E5	CORE	Evaluate impact of upwelling on operations
E5	CORE	Evaluate upper air profiles for meteorological impacts (e.g., freezing level, icing, inversions, turbulence, etc.)
E6	CORE	Exploit bathythermograph data
E6	CORE	Exploit climatological data for long-range mission planning
E6	CORE	Exploit meteorological features and elements on upper air data
E6	CORE	Exploit physical and biological properties of the oceans
E5	CORE	Forecast acoustic parameters and ranges (e.g., passive and active ranges, ambient noise, cutoff frequencies, etc.)
E5	CORE	Forecast atmospheric effects on electro-optic sensors and weapons
E6	CORE	Provide Meteorological and Oceanographic (METOC) impact recommendations for warfare mission plans
E5	NON-CORE	Validate acoustic and non-acoustic contacts

Job Title **Job Code**

Master Meteorological And Oceanographic (METOC) Forecaster 001640

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Life, Physical, and Social Science	TBD	MASTER METOC FORECASTER	MSTRMETOCFORC

Pay Plan	Career Field	Other Relationships and Rules
ENLISTED	AG	NEC JXXX and 7XXX series and other NECs as assigned

Job Description

Master Meteorological and Oceanographic (METOC) Forecasters apply a significant range of fundamental scientific principles and complex techniques across a wide and often unpredictable variety of contexts; demonstrate substantial personal autonomy and responsibility in the generation of METOC products and operational recommendations; establish METOC support requirements to provide the most relevant products for operational and mission success; evaluate numerical model performance and stochastic model output to quantify the accuracy and reliability of future performance in high risk operating areas; analyze hydrographic features and elements on nautical/navigation charts and the physical and biological properties of the oceans; forecast METOC conditions on synoptic, meso, and micro scales in complex environments; validate side-scan, multi-beam, and single-beam sonar imagery; develop tactical recommendations based on forecasted atmospheric refractive conditions and acoustic properties of the ocean generated by Tactical Decision Aid (TDA) output; coordinate continuity of support with other METOC activities; integrate impacts of the physical environment into warfighter mission plans; manage METOC quality control and environmental impact metrics programs; ensure operational success through effective leadership of personnel, training, re-training and management of METOC assets; comply with international and governmental regulations, local procedures, and established priorities; and develop solutions to meet METOC equipment acquisition and training programs.

DoD Relationship

Group Title	*DoD Code*
Weather, General	142000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Atmospheric and Space Scientists	19-2021.00	Life, Physical, and Social Science

Skills	Abilities
Science	*Oral Expression*
Complex Problem Solving	*Information Ordering*
Speaking	*Written Expression*
Critical Thinking	*Speech Clarity*
Coordination	*Deductive Reasoning*
Management of Material Resources	*Inductive Reasoning*
Systems Evaluation	*Problem Sensitivity*
Writing	*Written Comprehension*
Quality Control Analysis	*Mathematical Reasoning*
Judgment and Decision Making	*Oral Comprehension*

ASSIMILATION, APPLICATION, AND PREDICTION

Paygrade	Task Type	Task Statements
E5	CORE	Analyze numerical model performance
E4	CORE	Brief satellite derived meteorological features and elements
E5	CORE	Evaluate numerical model performance
E5	CORE	Forecast electromagnetic wave propagation
E5	CORE	Forecast severe weather (e.g., tornados, thunderstorms, hail, etc.)
E5	CORE	Forecast tropical cyclone development, movement, and intensity changes
E7	CORE	Quantify operational risks utilizing stochastic model output
E6	CORE	Synthesize performance trends of multiple numerical models
E5	CORE	Validate severe weather advisories, watches and warnings (e.g., tornadoes, thunderstorms, hail, etc.)

CHARACTERIZATION AND ANALYSIS

Paygrade	Task Type	Task Statements
E6	CORE	Analyze advanced physics-based effects (e.g., dynamics, kinematics, thermodynamics, etc.)
E4	CORE	Analyze atmospheric refractive conditions

CHARACTERIZATION AND ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze oceanographic features and elements on satellite imagery
E4	CORE	Brief basic Meteorological and Oceanographic (METOC) elements and features on climatological products and information
E5	NON-CORE	Brief graphical depictions of hydrographic properties of the ocean
E4	NON-CORE	Brief hydrographic features and elements on nautical/navigation charts
E4	CORE	Brief meteorological features and elements on surface weather charts
E4	CORE	Brief oceanographic and biological properties of the oceans (e.g., bottom types, bioluminescence, etc.)
E4	CORE	Brief satellite derived oceanographic features and elements
E7	CORE	Conduct advanced remote sensing analyses
E5	CORE	Enhance meteorological features and elements in multi-channel satellite derived imagery
E7	CORE	Evaluate stochastic model outputs
E4	NON-CORE	Generate graphical depictions of hydrographic properties of the ocean
E7	NON-CORE	Validate change detection and contact fusion analysis results
E7	NON-CORE	Validate hydrographic features and elements on nautical/navigation charts
E7	NON-CORE	Validate multi-beam sonar imagery
E7	NON-CORE	Validate side-scan sonar imagery
E7	NON-CORE	Validate single beam sonar imagery

METEOROLOGICAL, OCEANOGRAPHIC, AND HYDROGRAPHIC DATA COLLECTION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Collect ocean bottom data using Unmanned Underwater Vehicles (UUV)
E7	CORE	Coordinate with mission planners and oceanographers to develop Water Sampling Plan (WSP)

METOC ADMINISTRATION, TRAINING, AND QUALITY CONTROL

Paygrade	Task Type	Task Statements
E7	CORE	Analyze Meteorological and Oceanographic (METOC) environmental data requests
E7	NON-CORE	Arrange travel and logistics for deployable Meteorological and Oceanographic (METOC) teams
E7	CORE	Compose Meteorological and Oceanographic (METOC) messages (e.g., Operational Task Report (OPTASK) Meteorological and Oceanographic (METOC), ANNEX H, Meteorological and Oceanographic (METOC) Letter of Instruction (LOI), etc.)
E7	CORE	Compose Meteorological and Oceanographic (METOC) situation reports
E7	CORE	Compose post-deployment Meteorological and Oceanographic (METOC) reports (e.g., lessons learned, operational impacts, equipment performance, etc.)
E5	NON-CORE	Compose tsunami reports
E5	CORE	Conduct Meteorological and Oceanographic (METOC) forecast and quality control checks

METOC ADMINISTRATION, TRAINING, AND QUALITY CONTROL (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Conduct Meteorological and Oceanographic (METOC) training
E7	NON-CORE	Coordinate support with oceanography subject matter experts (e.g., acoustics, bathymetry and hydrography, etc.)
E4	CORE	Disseminate Meteorological and Oceanographic (METOC) forecasts and products
E7	CORE	Establish Meteorological and Oceanographic (METOC) support requirements for allied and coalition forces
E6	CORE	Establish Meteorological and Oceanographic (METOC) support requirements for warfare operations (e.g., Mine Warfare (MIW), Anti-Submarine Warfare (ASW)/Undersea Warfare (USW), Strike Warfare (STW), etc.)
E7	CORE	Evaluate ship's surface weather observation programs
E4	NON-CORE	Inspect Meteorological and Oceanographic (METOC) equipment
E5	NON-CORE	Issue environmental emergency notification warnings
E4	CORE	Maintain Tactical Decision Aid (TDA) sensor databases
E7	CORE	Manage Continuity of Operations Plans (COOP) and post-disaster contingency plans
E7	CORE	Manage deployable Meteorological and Oceanographic (METOC) team operational plans, schedules, and logistics
E7	CORE	Manage Meteorological and Oceanographic (METOC) certification and assessment programs
E7	CORE	Manage Meteorological and Oceanographic (METOC) equipment maintenance (e.g., Naval Integrated Tactical Environmental Suite (NITES), Unmanned Underwater Vehicle (UUV), Expeditionary Survey Vehicle (ESV), etc.)
E7	NON-CORE	Manage Meteorological and Oceanographic (METOC) quality control programs
E7	CORE	Manage Meteorological and Oceanographic (METOC) training and qualification programs
E7	CORE	Review Meteorological and Oceanographic (METOC) environmental data requests
E7	CORE	Validate Meteorological and Oceanographic (METOC) forecast and product accuracy
E4	CORE	Verify deployable Meteorological and Oceanographic (METOC) equipment readiness

SAFETY OF FLIGHT, NAVIGATION, AND INFRASTRUCTURE

Paygrade	Task Type	Task Statements
E5	CORE	Analyze radar data in support of resource protection (e.g., severe weather potential, precipitation type and intensity, storm tracking surveillance, etc.)
E5	CORE	Assess aviation operations Meteorological and Oceanographic (METOC) support requirements
E5	CORE	Assess maritime operations Meteorological and Oceanographic (METOC) support requirements
E5	CORE	Assess operational risks due to hazardous environmental conditions
E7	CORE	Assign level of risk associated with severe weather
E7	CORE	Brief tropical cyclone aircraft sortie recommendations
E7	CORE	Brief tropical cyclone ship evasion and sortie recommendations

SAFETY OF FLIGHT, NAVIGATION, AND INFRASTRUCTURE (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Compose tropical cyclone Conditions of Readiness (COR) recommendations and messages
E7	NON-CORE	Coordinate International Submarine Escape and Rescue Liaison Office (ISMERLO) support requirements
E5	NON-CORE	Develop International Submarine Escape and Rescue Liaison Office (ISMERLO) forecasts and recommendations
E7	CORE	Develop Optimum Track Ship Routing (OTSR) surveillance advisories and recommendations
E7	CORE	Develop tropical cyclone aircraft sortie recommendations
E7	CORE	Develop tropical cyclone ship evasion and sortie recommendations
E5	CORE	Evaluate forecasted environmental conditions in the event of a mishap (e.g., aircraft, ship, infrastructure, personnel, etc.)
E7	CORE	Maintain continuity of support with other Meteorology and Oceanography (METOC) activities
E7	CORE	Manage aviation safety Meteorological and Oceanographic (METOC) support requirements
E7	CORE	Manage environmental mishap reconstruction (e.g., aircraft, ship, infrastructure, personnel, etc.)
E7	CORE	Manage maritime safety Meteorological and Oceanographic (METOC) support requirements
E6	CORE	Provide mitigation strategies to avoid hazardous environmental conditions

TACTICAL/OPERATIONAL ASSESSMENTS AND RECOMMENDATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Assess environmental impacts to the Electromagnetic Spectrum (EMS)
E5	NON-CORE	Brief ballistic wind forecasts and recommendations
E6	NON-CORE	Brief chaff dispersion forecasts and recommendations
E4	CORE	Brief Chain of Command (COC) of environmental conditions impacting operations
E4	NON-CORE	Brief change detection and contact fusion analyses
E5	CORE	Brief Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) forecasts and recommendations
E4	CORE	Brief communications forecasts, impacts, and recommendations
E4	CORE	Brief current local weather conditions, advisories, and warnings
E4	CORE	Brief current/forecasted Meteorological and Oceanographic (METOC) conditions in support of warfare operations (e.g., Undersea Warfare (USW), Mine Warfare (MIW), Strike Warfare (STW), Intelligence, Surveillance, and Reconnaissance (ISR), etc.)

TACTICAL/OPERATIONAL ASSESSMENTS AND RECOMMENDATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Brief current/forecasted tactical Meteorological and Oceanographic (METOC) recommendations in support of warfare operations (e.g., Undersea Warfare (USW), Mine Warfare (MIW), Strike Warfare (STW), Intelligence, Surveillance, and Reconnaissance (ISR), etc.)
E4	CORE	Brief forecasted atmospheric refractive conditions
E5	NON-CORE	Brief Humanitarian Assistance and Disaster Relief (HADR) forecasts and recommendations
E4	NON-CORE	Brief impacts of clutter density data to mission timelines
E6	CORE	Brief Meteorological and Oceanographic (METOC) support capabilities
E5	NON-CORE	Brief Non-combative Evacuation Operation (NEO) forecasts and recommendations
E4	CORE	Brief oceanographic acoustic prediction assessments and recommendations
E5	CORE	Brief Operating Area (OPAREA) forecasts, impacts, and recommendations (e.g., port operations, gas and oil platform, inner harbor, etc.)
E5	CORE	Brief Search and Rescue (SAR) forecasts and recommendations
E5	CORE	Brief surf forecasts and recommendations
E5	CORE	Brief target area forecasts and recommendations
E5	CORE	Calculate evasion and detection depths
E5	CORE	Develop Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) forecasts and recommendations
E5	NON-CORE	Develop ground operating area forecasts and recommendations (e.g., civil affairs, direct action mission, ground operations, etc.)
E5	NON-CORE	Develop Humanitarian Assistance and Disaster Relief (HADR) forecasts and recommendations
E6	NON-CORE	Develop hydrographic mission planning recommendations
E5	CORE	Develop Meteorological and Oceanographic (METOC) pre-deployment briefs
E5	NON-CORE	Develop Non-combative Evacuation Operation (NEO) forecasts and recommendations
E5	CORE	Develop Search and Rescue (SAR) forecasts and recommendations
E5	NON-CORE	Develop special operations forecasts and recommendations (e.g., psychological, swimmer, strategic and tactical reconnaissance, etc.)
E5	NON-CORE	Develop Special Warfare (SPECWAR) mission forecasts and recommendations (e.g., Sea, Air, and Land (SEAL) Delivery Vehicle (SDV), Special Boat Team (SBT), technical operations (tech ops), etc.)
E5	CORE	Develop surf forecasts and recommendations
E5	CORE	Develop tactical oceanographic acoustic prediction assessments and recommendations
E5	CORE	Develop tactical recommendations based on Tactical Decision Aid (TDA) output
E5	CORE	Develop target area forecasts and recommendations
E5	NON-CORE	Develop Unmanned Systems (UxS) forecasts and recommendations
E5	CORE	Evaluate impact of upwelling on operations

TACTICAL/OPERATIONAL ASSESSMENTS AND RECOMMENDATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Exploit bathythermograph data
E6	CORE	Exploit climatological data for long-range mission planning
E6	CORE	Exploit meteorological features and elements on upper air data
E6	CORE	Exploit physical and biological properties of the oceans
E5	CORE	Forecast atmospheric effects on electro-optic sensors and weapons
E7	CORE	Formulate Meteorological and Oceanographic (METOC) Operational Risk Management (ORM) outcomes and recommendations (i.e., offensive and defensive)
E7	CORE	Liaise with Defense Threat Reduction Agency (DTRA) to support Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) events
E6	CORE	Provide Meteorological and Oceanographic (METOC) impact recommendations for warfare mission plans
E7	CORE	Provide recommendations for sensor and weapon employment and laydown

CHAPTER 6

SPECIAL WARFARE OPERATOR
(SO)

NAVPERS 18068F-6C
Change 103

Updated: July 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

SPECIAL WARFARE OPERATOR (SO)

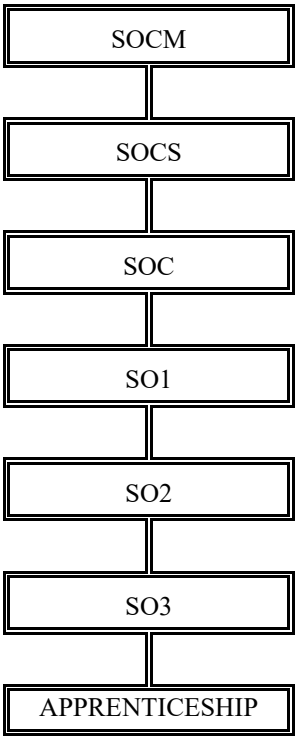
SCOPE OF RATING

Special Warfare Operators (SO) perform maritime, land, and airborne special operations in urban, desert, jungle, arctic, undersea, and mountain environments; duties include: direct action, counterterrorism, special reconnaissance, foreign internal defense, counter insurgency, security force assistance, countering weapons of mass destruction, unconventional warfare, hostage rescue and recovery, and foreign humanitarian assistance.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 6.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN articles 1220-100, 1220-231, and 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Sea, Air, and Land (SEAL) 001720

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	SEA AIR AND LAND (SEAL)	SEAL

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	SO	NEC OXXX and 7XXX series and other NECs as assigned

Job Description

Sea, Air, and Land (SEAL) teams perform a range of duties in support of special operations missions and operate on, under, and from the sea, air, and land, required skills include: combat diving, maritime operations, paradrop operations, air operations, land warfare, small unit tactics, and close-quarters combat; conduct Special Operations Urban Combat (SOUC) and tactical mounted and dismounted operations; employ small arms, Crew-Served Weapons (CSW), stand-off and indirect weapons, explosives, communications equipment; implement new technological innovations into operations; perform tactical medicine, mission planning, intelligence-gathering; support joint and combined operations; operate in Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) environments; and conduct counter-proliferation operations globally.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Special Forces	101100	Special Forces	55-3018.00	Military Specific

Skills	Abilities
Critical Thinking	*Problem Sensitivity*
Operation and Control	*Memorization*
Judgment and Decision Making	*Deductive Reasoning*
Equipment Selection	*Inductive Reasoning*
Operation Monitoring	*Originality*
Management of Material Resources	*Spatial Orientation*
Coordination	*Oral Expression*
Equipment Maintenance	*Information Ordering*
Management of Personnel Resources	*Written Expression*
Troubleshooting	*Manual Dexterity*

AIR INSERTION AND EXTRACTION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Assist with cargo and equipment preparations
E6	NON-CORE	Conduct Military Free-Fall (MFF) tandem/bundle operations
E5	NON-CORE	Inspect air operations equipment
E4	CORE	Pack parachutes
E4	CORE	Perform aircraft cast and recovery operations
E4	CORE	Perform aircraft insertion and extraction operations
E4	CORE	Perform cast and recovery of personnel and maritime equipment
E4	CORE	Perform fast rope operations
E4	CORE	Perform Helicopter Rope Suspension Techniques (HRST) operations
E4	CORE	Perform High-Altitude High-Opening (HAHO) Military Free-Fall (MFF) operations
E4	CORE	Perform High-Altitude Low-Opening (HALO) Military Free-Fall (MFF) operations
E5	NON-CORE	Perform parachute rigger operations
E4	CORE	Perform rappelling operations
E5	NON-CORE	Perform Sea, Air, and Land (SEAL) Delivery Vehicle (SDV) Maritime External Air Transport System (MEATS) operations
E4	CORE	Perform Special Patrol Insertion Extractions (SPIE) operations

AIR INSERTION AND EXTRACTION OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform static-line parachute operations
E5	NON-CORE	Supervise aircraft cast and recovery operations
E5	NON-CORE	Supervise aircraft insertion and extraction operations
E5	NON-CORE	Supervise cargo and equipment insertion operations
E5	NON-CORE	Supervise casts and recoveries of personnel and maritime equipment
E6	NON-CORE	Supervise drop zone operations
E5	NON-CORE	Supervise fast rope operations
E6	NON-CORE	Supervise free-fall parachute operations
E5	NON-CORE	Supervise Helicopter Rope Suspension Techniques (HRST) operations
E5	NON-CORE	Supervise rappelling operations
E5	NON-CORE	Supervise Special Patrol Insertion Extraction (SPIE) operations
E5	NON-CORE	Supervise static-line parachute operations

CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR EXPLOSIVE (CBRNE) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Administer initial treatment for Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) injuries
E4	CORE	Decontaminate Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) affected personnel and equipment
E4	CORE	Deploy protective measures for Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) response
E4	CORE	Inspect Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) equipment
E5	CORE	Supervise Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) affected personnel and equipment decontamination actions

DEMOLITION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Calculate standard explosive charges Minimum Safe Distances (MSD)
E5	NON-CORE	Construct improvised explosives
E4	CORE	Construct non-standard explosives
E4	CORE	Construct standard explosive charges
E5	NON-CORE	Employ improvised explosives
E4	CORE	Employ Naval Special Warfare (NSW) pyrotechnics
E4	CORE	Employ non-standard explosives
E4	CORE	Employ standard explosives
E5	NON-CORE	Supervise demolition operations
E4	NON-CORE	Transport ordnance

DISMOUNTED OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Clear obstacles and hazards
E5	CORE	Employ multi-purpose canine (MPC)

DISMOUNTED OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain personal tactical equipment
E6	CORE	Manage dismounted movements
E7	NON-CORE	Manage multipurpose canine (MPC)
E4	CORE	Perform dismounted movements
E4	CORE	Perform human transport/evacuation of casualty operations
E5	CORE	Plan rural dismounted movements
E5	CORE	Plan urban dismounted movements
E5	NON-CORE	Supervise multi-purpose canine (MPC)

DIVING OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Employ diver propulsion devices
E4	CORE	Inspect diving equipment
E4	CORE	Perform closed circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dives (e.g., insertion, extraction, demolition, etc.)
E4	NON-CORE	Perform mixed gas Self-Contained Underwater Breathing Apparatus (SCUBA) dives (e.g., insertion, extraction, demolition, etc.)
E4	CORE	Perform open circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dives (e.g., insertion, extraction, demolition, etc.)
E4	CORE	Plan closed circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dives (e.g., insertion, extraction, demolition, etc.)
E4	NON-CORE	Plan mixed gas Self-Contained Underwater Breathing Apparatus (SCUBA) dives (e.g., insertion, extraction, demolition, etc.)
E4	CORE	Plan open circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dives (e.g., insertion, extraction, demolition, etc.)
E5	NON-CORE	Supervise closed circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dives (e.g., insertion, extraction, demolition, etc.)
E5	NON-CORE	Supervise mixed gas Self-Contained Underwater Breathing Apparatus (SCUBA) dives (e.g., insertion, extraction, demolition, etc.)
E5	NON-CORE	Supervise open circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dives (e.g., insertion, extraction, demolition, etc.)

INTELLIGENCE OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct Advanced Special Operations Techniques (ASOT) Operations
E5	NON-CORE	Conduct advanced Special Reconnaissance (SR)
E6	NON-CORE	Conduct all-source intelligence analysis/targeting
E5	NON-CORE	Conduct clandestine medical intel infrastructure assessments and care
E5	NON-CORE	Conduct clandestine supply and logistics procurement and network set up
E5	NON-CORE	Conduct Operational Preparation of the Environment (OPE)
E5	NON-CORE	Conduct Technical Intercept Operations (TIO)
E5	NON-CORE	Conduct Technical Surveillance Operations (TSO)
E4	CORE	Create intelligence information reports

INTELLIGENCE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Direct intelligence collections
E5	NON-CORE	Employ advanced High Frequency (HF) communications
E5	NON-CORE	Employ clandestine communications
E5	NON-CORE	Establish clandestine communications
E6	NON-CORE	Manage intelligence programs
E4	CORE	Perform intelligence collections
E4	CORE	Report intelligence information
E6	CORE	Supervise intelligence collections

JOINT AND COMBINED OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Integrate with joint and combined Special Operations Forces (SOF)/conventional forces
E6	CORE	Liaison with international agencies
E4	NON-CORE	Maintain language proficiency
E6	CORE	Manage joint and combined operations
E7	CORE	Plan joint and combined operations
E6	CORE	Provide agency/organization integration recommendations (e.g., Non-Governmental Organizations (NGO), Other Governmental Agencies (OGA), other units, etc.)

MOUNTED OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Evaluate non-standard mobility platforms
E4	NON-CORE	Maintain communication systems
E4	CORE	Maintain mounted equipment
E4	CORE	Maintain vehicle platforms
E4	CORE	Maintain weapons systems
E6	CORE	Manage mounted movements
E4	CORE	Perform mounted movements (i.e., standard, non-standard)
E5	CORE	Plan mounted movements
E4	CORE	Recover vehicles
E6	CORE	Test non-standard mobility platforms

NAVAL SPECIAL WARFARE (NSW) ADMINISTRATION, RESEARCH, AND DEVELOPMENT

Paygrade	Task Type	Task Statements
E7	CORE	Assess tactical operations for strategic effect
E7	CORE	Develop Naval Special Warfare (NSW) Tactics, Techniques, and Procedures (TTP)
E7	CORE	Develop special operations curriculum
E5	NON-CORE	Integrate new technologies and equipment

NAVAL SPECIAL WARFARE (NSW) ADMINISTRATION, RESEARCH, AND DEVELOPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Maintain Naval Special Warfare (NSW) administrative records
E5	CORE	Maintain operational qualification records (e.g., jump, dive, demolition, etc.)
E4	CORE	Maintain operational qualifications (e.g., jump, dive, demolition, etc.)
E5	CORE	Manage operational funds
E5	CORE	Manage sensitive equipment inventories (e.g., Arms, Ammunition, and Explosives (AA&E), communications, intelligence, etc.)
E5	CORE	Manage sensitive equipment stowage and transportation (e.g., Arms, Ammunition, and Explosives (AA&E), communications, intelligence, etc.)
E5	CORE	Manage special operations acquisitions
E7	CORE	Manage special operations Operating Target (OPTAR)/Temporary Additional Duty Travel Target (TADTR) budgets
E4	CORE	Perform departmental duties (e.g., Arms, Ammunition, and Explosives (AA&E), communications, intelligence, etc.)
E5	CORE	Prepare information briefs
E5	CORE	Provide special warfare resource requirement recommendations
E6	CORE	Research new technologies and equipment
E6	NON-CORE	Test new technologies and equipment
E6	CORE	Update Naval Special Warfare (NSW) Tactics, Techniques, and Procedures (TTP)
E7	CORE	Validate Naval Special Warfare (NSW) Tactics, Techniques, and Procedures (TTP)

NAVAL SPECIAL WARFARE (NSW) COMMUNICATIONS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Destroy crypto
E5	NON-CORE	Develop communication plans
E4	CORE	Employ High Frequency (HF) communication systems
E4	NON-CORE	Employ Information Technology (IT) communication systems
E4	NON-CORE	Employ Satellite Communication (SATCOM) systems
E4	CORE	Employ Ultra High Frequency (UHF) and Very High Frequency (VHF) communication systems
E4	NON-CORE	Maintain crypto/devices
E4	NON-CORE	Maintain High Frequency (HF) communication systems
E4	NON-CORE	Maintain Information Technology (IT) communication systems
E4	NON-CORE	Maintain Satellite Communication (SATCOM) systems
E4	NON-CORE	Maintain Ultra High Frequency (UHF) and Very High Frequency (VHF) communication systems
E5	NON-CORE	Manage crypto/devices
E5	NON-CORE	Manage Naval Special Warfare (NSW) communication systems
E4	NON-CORE	Perform electronic transfer of electronic keying materials (i.e., Over the Air Transfers (OTAT) and Over the Air Rekeys (OTAR))

NAVAL SPECIAL WARFARE (NSW) COMMUNICATIONS OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Plan concept of fires
E5	NON-CORE	Provide Terminal Attack Control (TAC) with supported Commander's approval

NAVAL SPECIAL WARFARE (NSW) FORCED ENTRY OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Develop forced entry Tactics, Techniques, and Procedures (TTP)
E4	NON-CORE	Inspect exothermic breaching systems
E5	NON-CORE	Integrate new forced entry Techniques, Tactics and Procedures (TTP)
E4	CORE	Maintain ballistic breaching systems
E4	CORE	Maintain explosive breaching systems
E4	CORE	Maintain manual breaching systems
E4	NON-CORE	Maintain mechanical breaching systems
E5	NON-CORE	Manage Naval Special Warfare (NSW) forced entry systems
E4	CORE	Perform forced entry operations (e.g., explosive, mechanical, manual, etc.)
E5	NON-CORE	Plan forced entry operations (e.g., explosive, mechanical, manual, etc.)
E4	CORE	Prepare explosive breaching systems
E5	NON-CORE	Research new forced entry Techniques, Tactics and Procedures (TTP)
E5	NON-CORE	Supervise Naval Special Warfare (NSW) forced entry operations (e.g., explosive, mechanical, manual, etc.)

NAVAL SPECIAL WARFARE (NSW) HIGH RISK TRAINING PROGRAM OPERATIONS AND MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Develop high-risk training and evolution safety briefs
E6	CORE	Evaluate drills and exercises (e.g., range, dive, jump operation, etc.)
E5	CORE	Implement high-risk training plans
E6	CORE	Manage drills and exercises (e.g., range, dive, jump operation, etc.)
E4	CORE	Perform high-risk training (e.g., range, dive, jump operation, etc.)
E4	CORE	Perform high-risk training and evolution safety briefs
E5	CORE	Plan drills and exercises (e.g., range, dive, jump operation, etc.)
E5	CORE	Plan high-risk training
E5	NON-CORE	Supervise range operations

NAVAL SPECIAL WARFARE (NSW) OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Conduct sabotage operations below the water line, hinterlands, and on land
E6	CORE	Develop special operations mission briefs
E6	CORE	Manage Direct Action (DA) operations
E6	CORE	Manage Foreign Internal Defense (FID) operations (e.g., train Tactics, Techniques and Procedures (TTP), build partner capacity, enhanced interoperability, etc.)
E6	CORE	Manage Information Operations (IO)
E6	CORE	Manage Special Reconnaissance (SR) operations

NAVAL SPECIAL WARFARE (NSW) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage Unconventional Warfare (UW) operations
E4	CORE	Perform Direct Action (DA) operations (e.g., combat enemy forces, degrade enemy infrastructure, etc.)
E4	CORE	Perform Foreign Internal Defense (FID) operations (e.g., train Tactics, Techniques and Procedures (TTP), build partner capacity, enhanced interoperability, etc.)
E4	CORE	Perform Information Operations (IO)
E4	CORE	Perform ladder climb ship-boarding infiltration and exfiltration operations
E4	CORE	Perform maritime operations (e.g., Visit, Board, Search, and Seizure (VBSS), Gas & Oil Platform (GOPLAT), combat swimmer, etc.)
E5	CORE	Perform special operations mission briefs
E4	CORE	Perform Special Reconnaissance (SR) operations
E4	CORE	Perform Unconventional Warfare (UW) operations
E6	CORE	Plan Naval Special Warfare (NSW) operations

NAVAL SPECIAL WARFARE (NSW) PHYSICAL CONDITIONING

Paygrade	Task Type	Task Statements
E4	CORE	Perform combat simulation training
E4	CORE	Perform endurance training
E4	CORE	Perform nutrition training
E4	CORE	Perform physical therapy/rehabilitation training
E4	CORE	Perform strength training

SMALL BOAT OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conceal small boats
E4	CORE	Conduct human transport of inflatable boats and outboard motor operations
E4	CORE	Employ small boat support equipment
E4	CORE	Employ small boats
E4	CORE	Launch small boats
E4	CORE	Maintain engineering systems
E4	CORE	Maintain navigational systems
E4	CORE	Maintain small boat support equipment
E4	CORE	Maintain small boats
E4	CORE	Perform hydrographic reconnaissance
E4	CORE	Plan maritime navigational routes
E4	CORE	Recover man overboard
E4	CORE	Recover small boats
E5	CORE	Supervise small boat operations
E4	CORE	Update special operation charts
E4	CORE	Validate special operation charts

TACTICAL MEDICINE

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer advanced first aid
E5	NON-CORE	Administer advanced life support
E4	CORE	Administer basic life support
E4	NON-CORE	Maintain records (e.g., medical, fitness, dental, etc.)
E5	NON-CORE	Manage mass casualty treatments
E4	CORE	Perform Casualty Evacuation (CASEVAC)/Medical evacuation (MEDEVAC) procedures
E4	CORE	Perform field health and hygiene techniques
E4	CORE	Perform Tactical Combat Casualty Care (TCCC)
E5	NON-CORE	Supervise mass casualty treatments
E5	NON-CORE	Supervise sick calls

TACTICAL SUPPORT EQUIPMENT OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct Counter-Unmanned Aircraft Systems (C-UAS)
E4	CORE	Employ Electronic Counter Measure (ECM) systems
E4	CORE	Employ navigation equipment
E4	CORE	Employ photographic and video equipment
E4	NON-CORE	Employ Unmanned Aircraft System (UAS)
E4	CORE	Employ Visual Augmentation System (VAS) equipment
E4	CORE	Maintain tactical support equipment
E4	NON-CORE	Maintain Unmanned Aircraft System (UAS)
E6	NON-CORE	Supervise Unmanned Aircraft System (UAS)

UNDERSEA MOBILITY OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Conduct Sea, Air, and Land (SEAL) Delivery Vehicle (SDV) mission specialist operations
E5	NON-CORE	Configure Sea, Air, and Land (SEAL) Delivery Vehicle (SDV) load plans
E5	NON-CORE	Develop Sea, Air, and Land (SEAL) Delivery Vehicle (SDV) load plans
E7	NON-CORE	Navigate Sea, Air, and Land (SEAL) Delivery Vehicle (SDV)
E4	CORE	Perform diver launches/recoveries
E4	CORE	Perform dry deck shelter mass swimmer lock outs/ins
E4	NON-CORE	Perform Sea, Air, and Land (SEAL) Delivery Vehicle (SDV) Launch and Retrieval System (LRS) operations
E4	NON-CORE	Perform Sea, Air, and Land (SEAL) Delivery Vehicle (SDV) towing operations
E4	NON-CORE	Pilot Sea, Air, and Land (SEAL) Delivery Vehicle (SDV)
E5	NON-CORE	Supervise Dry Deck Shelter (DDS) operations
E5	NON-CORE	Supervise Sea, Air, and Land (SEAL) Delivery Vehicle (SDV) dives
E5	NON-CORE	Supervise Sea, Air, and Land (SEAL) Delivery Vehicle (SDV) Launch and Retrieval System (LRS) operations

UNDERSEA MOBILITY OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Supervise Sea, Air, and Land (SEAL) Delivery Vehicle (SDV) load plans
E5	NON-CORE	Supervise Sea, Air, and Land (SEAL) Delivery Vehicle (SDV) operations

WEAPONS OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Conduct weapons qualifications (e.g., small arms, crew-served, stand-off, etc.)
E5	CORE	Conduct weapons training (e.g., small arms, crew-served, stand-off, etc.)
E4	CORE	Employ crew-served weapons
E4	CORE	Employ hand grenades
E4	CORE	Employ indirect fire weapons
E4	CORE	Employ small arms
E4	CORE	Employ stand-off weapons systems
E4	CORE	Maintain crew-served weapons and systems
E4	CORE	Maintain indirect fire weapons
E4	CORE	Maintain small arms
E4	CORE	Maintain stand-off weapons systems
E4	CORE	Perform advanced small arms techniques
E5	CORE	Supervise employment of small arms and crew-served weapons
E5	NON-CORE	Supervise indirect fire weapons
E5	NON-CORE	Supervise laser range operations
E5	NON-CORE	Supervise shoot house operations
E5	NON-CORE	Supervise small arms and crew-served weapons ranges
E5	NON-CORE	Supervise stand-off weapons system operations

CHAPTER 7

AVIATION STRUCTURAL MECHANIC (AM)

NAVPERS 18068F-7L
Change 104

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

AVIATION STRUCTURAL MECHANIC (AM)

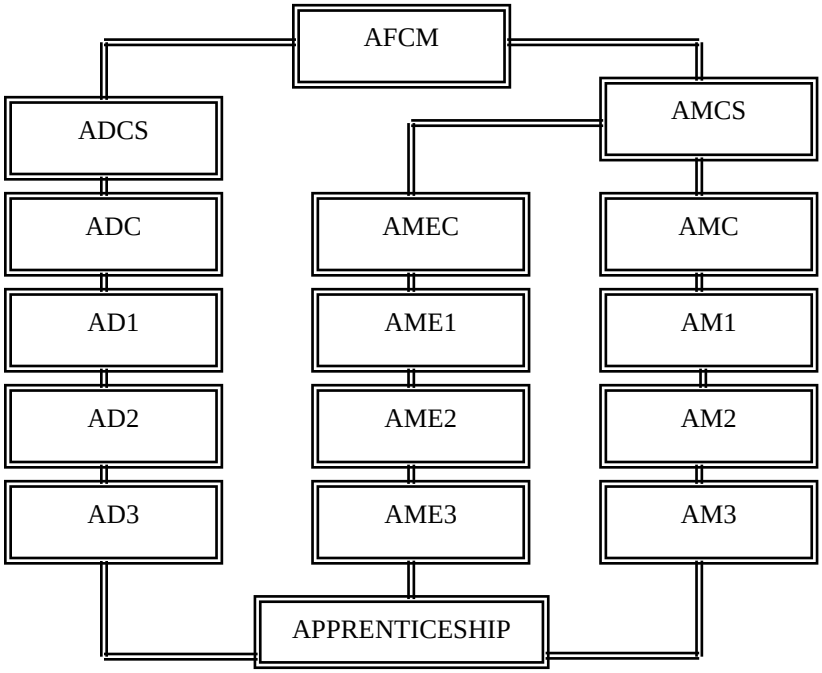
SCOPE OF RATING

Aviation Structural Mechanics (AM) maintain aircraft airframe and structural components, flight surfaces and controls, hydraulic and pneumatic control and actuating systems and mechanisms, landing gear systems, air conditioning, pressurization, visual improvement, oxygen and other utility systems, egress systems including seat and canopy ejection systems and components; fabricate and repair metallic and nonmetallic materials; supervise operation of airframe work centers; maintain aircraft metallic and nonmetallic structures including fuselages, fixed and moveable flight surfaces, tail booms, doors, panels, decks, empennages, and seats (except ejection seats); maintain flight controls and related mechanisms; maintain hydraulic power storage and distribution systems including main (primary and secondary), auxiliary (utility), and emergency systems; maintain hydraulic actuating subsystems; maintain landing gear systems including wheels and tires, brakes, and emergency systems; maintain pneumatic power, storage and distribution systems; maintain hoists and winches, wing and tail fold systems; maintain launch and arresting gear systems; perform hydraulic component repair and testing; perform identification, cleaning, treatment, and prevention of corrosion; conduct aircraft daily, special, hourly, and conditional inspections; and conduct Non-Destructive Inspections (NDI).

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 7.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Aviation Structural Mechanic Intermediate Level 001805

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	AVIATION STRUCTURAL MECH I-LVL	AVSTRUMEC I-LV

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AM	EXXX and IXXX series and other NECs as assigned

Job Description

Aviation Structural Mechanics - Intermediate Level, perform maintenance/repairs on metallic and nonmetallic hose and tube assemblies, hydraulic and pneumatic components, landing gear, tire/wheel assemblies, utility systems, and flight control system components; document maintenance actions and perform records maintenance; and conduct advanced composite structural repairs, corrosion prevention/treatment, painting applications, and Non-Destructive Inspections (NDI).

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Aircraft Structures	160300	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	51-2011.00	Production

Skills	Abilities
Equipment Maintenance	*Selective Attention*
Equipment Selection	*Manual Dexterity*
Quality Control Analysis	*Deductive Reasoning*
Repairing	*Problem Sensitivity*
Operation and Control	*Written Expression*
Operation Monitoring	*Inductive Reasoning*
Critical Thinking	*Written Comprehension*
Troubleshooting	*Oral Expression*
Writing	*Category Flexibility*
Judgment and Decision Making	*Mathematical Reasoning*

CORROSION CONTROL

Paygrade	Task Type	Task Statements
E4	NON-CORE	Apply aircraft coatings
E4	CORE	Perform corrosion prevention procedures
E4	CORE	Perform emergency reclamations
E4	CORE	Treat aircraft and aircraft components for corrosion

FLIGHT CONTROL SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Assemble flight control components
E4	CORE	Disassemble flight control components
E5	CORE	Inspect flight control components
E4	CORE	Repair flight control components
E4	CORE	Repair flight control systems
E5	CORE	Troubleshoot flight control components

HOSE AND TUBE REPAIR AND MANUFACTURING

Paygrade	Task Type	Task Statements
E4	NON-CORE	Fabricate hose and tube assemblies
E5	CORE	Inspect hose and tube assemblies
E4	CORE	Repair hose and tube assemblies
E4	CORE	Test hose and tube assemblies

HYDRAULIC AND PNEUMATIC SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze hydraulic fluid samples
E4	CORE	Assemble aircraft hydraulic/pneumatic system components
E4	CORE	Clean aircraft hydraulic/pneumatic system components
E4	NON-CORE	Clean In-Flight Refueling (IFR) systems
E4	CORE	Collect hydraulic fluid samples
E4	CORE	Disassemble aircraft hydraulic/pneumatic system components
E5	NON-CORE	Inspect In-Flight Refueling (IFR) systems
E4	CORE	Repair aircraft hydraulic/pneumatic system components
E4	NON-CORE	Repair In-Flight Refueling (IFR) systems
E4	CORE	Test aircraft hydraulic/pneumatic system components
E4	NON-CORE	Test In-Flight Refueling (IFR) systems
E5	CORE	Troubleshoot aircraft hydraulic/pneumatic system components
E5	NON-CORE	Troubleshoot In-Flight Refueling (IFR) systems

LANDING GEAR AND RELATED SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Assemble landing gear components and related systems (e.g., hydraulic and pneumatic systems)
E4	CORE	Assemble landing gear tire and wheel assemblies
E4	CORE	Disassemble landing gear components and related systems (e.g., hydraulic and pneumatic systems)
E4	CORE	Disassemble landing gear tire and wheel assemblies
E5	CORE	Inspect landing gear components and related systems (e.g., hydraulic and pneumatic systems)
E5	CORE	Inspect landing gear tire and wheel assemblies
E4	CORE	Repair landing gear components and related systems (e.g., hydraulic and pneumatic systems)
E4	CORE	Repair landing gear tire and wheel assemblies
E4	CORE	Test landing gear components and related systems (e.g., hydraulic and pneumatic systems)
E4	CORE	Test landing gear tire and wheel assemblies
E5	CORE	Troubleshoot landing gear components and related systems (e.g., hydraulic and pneumatic systems)
E5	CORE	Troubleshoot landing gear tire and wheel assemblies

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate maintenance briefings
E4	CORE	Draft Aircraft Discrepancy Books (ADB) work orders
E7	CORE	Manage Maintenance Control (MC)/Production Control (PC) operations
E7	CORE	Prepare Aviation Maintenance Supply Readiness Reports (AMSRR)
E5	CORE	Prepare Broad Arrow (BA) reports
E4	CORE	Process aircraft components for Non-Destructive Inspections (NDI)

MAINTENANCE ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Update Monthly Maintenance Plans (MMP) / Monthly Personnel Plans (MPP)
E6	CORE	Validate Monthly Maintenance Plans (MMP) / Monthly Personnel Plans (MPP)

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E5	CORE	Brief Maintenance Control (MC)/Production Control (PC)
E5	CORE	Conduct Collateral Duty Inspector (CDI) inspections
E5	CORE	Conduct Collateral Duty Quality Assurance Representative (CDQAR) inspections
E6	CORE	Conduct Quality Assurance (QA) inspections
E4	CORE	Conduct Support Equipment (SE) inspections (e.g., daily, preoperational, etc.)
E5	CORE	Conduct tap test inspections

STRUCTURAL MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Clean composite materials and components
E4	CORE	Clean structural repair tooling
E4	CORE	Fabricate components, structures, and sub-assemblies
E5	CORE	Inspect aircraft structures and components
E5	CORE	Inspect components, structures, and sub-assemblies
E5	CORE	Inspect composite materials and components
E4	CORE	Inspect structural repair tooling
E4	CORE	Repair aircraft structures and components
E4	NON-CORE	Repair composite materials and components
E4	CORE	Repair structural repair tooling

SUPPORT EQUIPMENT (SE)

Paygrade	Task Type	Task Statements
E4	CORE	Clean Support Equipment (SE) and related equipment (e.g., aircraft slings, hoists, hydraulic test stands, jacks, etc.)
E4	CORE	Depreserve Support Equipment (SE) and related equipment (e.g., aircraft slings, hoists, hydraulic test stands, jacks, etc.)
E4	CORE	Inspect Support Equipment (SE) and related equipment (e.g., aircraft slings, hoists, hydraulic test stands, jacks, etc.)
E4	CORE	Preserve Support Equipment (SE) and related equipment (e.g., aircraft slings, hoists, hydraulic test stands, jacks, etc.)
E4	CORE	Repair Support Equipment (SE) and related equipment (e.g., aircraft slings, hoists, hydraulic test stands, jacks, etc.)
E4	CORE	Test Support Equipment (SE) and related equipment (e.g., aircraft slings, hoists, hydraulic test stands, jacks, etc.)

Job Title **Job Code**

Aviation Structural Mechanic Organizational Level 001862

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	AVIATION STRUCTURAL MECH O-LVL	AVSTRUMEC O-LV

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AM	EXXX and IXXX series and other NECs as assigned

Job Description

Aviation Structural Mechanics - Organizational Level, conduct maintenance procedures and troubleshooting on metallic and nonmetallic components, hose and tube assemblies, hydraulic and pneumatic systems, landing gear, tire/wheel assemblies, utility systems, flight control systems, composite structural repair, corrosion prevention/treatment; maintain tactical paint schemes on Naval aircraft; document maintenance actions and perform records maintenance; conduct aircraft daily, special, phase, conditional, acceptance, and Quality Assurance (QA) inspections; and conduct aircraft transfer inspections.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Aircraft Structures	160300	Aircraft Mechanics and Service Technicians	49-3011.00	Installation, Maintenance, and Repair

Skills	Abilities
Equipment Maintenance	*Selective Attention*
Equipment Selection	*Manual Dexterity*
Quality Control Analysis	*Deductive Reasoning*
Repairing	*Multi-limb Coordination*
Installation	*Problem Sensitivity*
Complex Problem Solving	*Inductive Reasoning*
Critical Thinking	*Written Comprehension*
Operation and Control	*Written Expression*
Judgment and Decision Making	*Category Flexibility*
Troubleshooting	*Oral Expression*

CORROSION CONTROL

Paygrade	Task Type	Task Statements
E4	NON-CORE	Apply aircraft coatings
E4	CORE	Clean aircraft
E4	CORE	Depreserve aircraft
E4	CORE	Perform corrosion prevention procedures
E4	CORE	Perform emergency reclamations
E4	CORE	Perform preventive maintenance on aircraft coatings
E4	CORE	Prepare aircraft for special inspections
E4	CORE	Preserve aircraft
E4	CORE	Treat aircraft and aircraft components for corrosion

FLIGHT CONTROL SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Clean flight control systems
E5	CORE	Inspect flight control components
E5	CORE	Inspect flight control systems
E4	CORE	Install flight control components
E4	CORE	Install flight control systems
E4	CORE	Remove flight control components
E4	CORE	Remove flight control systems
E4	CORE	Repair flight control systems

FLIGHT CONTROL SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Rig flight control systems
E5	CORE	Troubleshoot flight control systems

HOSE AND TUBE REPAIR AND MANUFACTURING

Paygrade	Task Type	Task Statements
E5	CORE	Inspect hose and tube assemblies
E4	CORE	Install hose and tube assemblies
E4	CORE	Remove hose and tube assemblies
E4	CORE	Repair hose and tube assemblies

HYDRAULIC AND PNEUMATIC SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze hydraulic fluid samples
E4	CORE	Clean aircraft hydraulic/pneumatic system components
E4	CORE	Clean aircraft hydraulic/pneumatic systems
E4	NON-CORE	Clean In-Flight Refueling (IFR) systems
E4	CORE	Collect hydraulic fluid samples
E5	CORE	Inspect aircraft hydraulic/pneumatic system components
E5	NON-CORE	Inspect In-Flight Refueling (IFR) systems
E4	CORE	Install aircraft hydraulic/pneumatic system components
E4	NON-CORE	Install In-Flight Refueling (IFR) systems
E4	CORE	Remove aircraft hydraulic/pneumatic system components
E4	NON-CORE	Remove In-Flight Refueling (IFR) systems
E4	NON-CORE	Repair In-Flight Refueling (IFR) systems
E4	CORE	Service aircraft hydraulic/pneumatic systems
E4	CORE	Test aircraft hydraulic/pneumatic systems
E4	NON-CORE	Test In-Flight Refueling (IFR) systems
E5	CORE	Troubleshoot aircraft hydraulic/pneumatic system components
E5	CORE	Troubleshoot aircraft hydraulic/pneumatic systems
E5	NON-CORE	Troubleshoot In-Flight Refueling (IFR) systems

LANDING GEAR AND RELATED SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Clean landing gear components and related systems (e.g., hydraulic and pneumatic systems)
E5	CORE	Inspect landing gear components and related systems (e.g., hydraulic and pneumatic systems)
E5	CORE	Inspect landing gear tire and wheel assemblies
E4	CORE	Install landing gear components and related systems (e.g., hydraulic and pneumatic systems)
E4	CORE	Install landing gear tire and wheel assemblies
E4	CORE	Perform aircraft jacking procedures

LANDING GEAR AND RELATED SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Remove landing gear components and related systems (e.g., hydraulic and pneumatic systems)
E4	CORE	Remove landing gear tire and wheel assemblies
E4	CORE	Repair landing gear components and related systems (e.g., hydraulic and pneumatic systems)
E4	CORE	Service landing gear components and related systems (e.g., hydraulic and pneumatic systems)
E4	CORE	Service landing gear tire and wheel assemblies
E5	CORE	Supervise aircraft jacking evolutions
E4	CORE	Test landing gear components and related systems (e.g., hydraulic and pneumatic systems)
E5	CORE	Troubleshoot landing gear components and related systems (e.g., hydraulic and pneumatic systems)
E5	CORE	Troubleshoot landing gear tire and wheel assemblies

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Assign aircraft to missions
E7	CORE	Coordinate Flight Deck (FD), Flight Line (FL) and Hangar Bay (HB) operations
E6	CORE	Coordinate maintenance briefings
E4	CORE	Draft Aircraft Discrepancy Books (ADB) work orders
E7	CORE	Manage Maintenance Control (MC)/Production Control (PC) operations
E7	CORE	Prepare Aviation Maintenance Supply Readiness Reports (AMSRR)
E5	CORE	Prepare Broad Arrow (BA) reports
E4	CORE	Process aircraft components for Non-Destructive Inspections (NDI)
E7	CORE	Release aircraft Safe For Flight (SFF)
E4	CORE	Review Aircraft Discrepancy Books (ADB)
E5	CORE	Update Monthly Maintenance Plans (MMP) / Monthly Personnel Plans (MPP)
E6	CORE	Validate Monthly Maintenance Plans (MMP) / Monthly Personnel Plans (MPP)

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E5	CORE	Brief Functional Check Flights (FCF)
E5	CORE	Brief Maintenance Control (MC)/Production Control (PC)
E5	CORE	Conduct aircraft acceptance inspections
E4	CORE	Conduct aircraft daily inspections
E5	CORE	Conduct aircraft special inspections
E5	CORE	Conduct aircraft transfer inspections
E4	CORE	Conduct aircraft turnaround inspections
E5	CORE	Conduct Collateral Duty Inspector (CDI) inspections
E5	CORE	Conduct Collateral Duty Quality Assurance Representative (CDQAR) inspections
E5	CORE	Conduct conditional inspections

QUALITY ASSURANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Conduct phase inspections
E6	CORE	Conduct Quality Assurance (QA) inspections
E4	CORE	Conduct Support Equipment (SE) inspections (e.g., daily, preoperational, etc.)
E5	CORE	Conduct tap test inspections
E6	CORE	Verify Functional Check Flight (FCF) requirements

STRUCTURAL MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Clean aircraft structures and components
E4	CORE	Clean composite materials and components
E4	CORE	Clean structural repair tooling
E4	CORE	Fabricate components, structures, and sub-assemblies
E5	CORE	Inspect aircraft structures and components
E5	CORE	Inspect components, structures, and sub-assemblies
E5	CORE	Inspect composite materials and components
E4	CORE	Inspect structural repair tooling
E4	CORE	Install aircraft structures and components
E4	CORE	Install composite materials and components
E4	CORE	Remove aircraft structures and components
E4	CORE	Remove composite materials and components
E4	CORE	Repair aircraft structures and components
E4	CORE	Repair structural repair tooling

SUPPORT EQUIPMENT (SE)

Paygrade	Task Type	Task Statements
E4	CORE	Clean Support Equipment (SE) and related equipment (e.g., aircraft slings, hoists, hydraulic test stands, jacks, etc.)
E4	CORE	Depreserve Support Equipment (SE) and related equipment (e.g., aircraft slings, hoists, hydraulic test stands, jacks, etc.)
E4	CORE	Inspect Support Equipment (SE) and related equipment (e.g., aircraft slings, hoists, hydraulic test stands, jacks, etc.)
E4	CORE	Preserve Support Equipment (SE) and related equipment (e.g., aircraft slings, hoists, hydraulic test stands, jacks, etc.)
E4	CORE	Repair Support Equipment (SE) and related equipment (e.g., aircraft slings, hoists, hydraulic test stands, jacks, etc.)
E4	CORE	Test Support Equipment (SE) and related equipment (e.g., aircraft slings, hoists, hydraulic test stands, jacks, etc.)

CHAPTER 7

AVIATION STRUCTURAL MECHANIC (SAFETY EQUIPMENT) (AME)

NAVPERS 18068F-7J
Change 103

Updated: July 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

AVIATION STRUCTURAL MECHANIC (SAFETY EQUIPMENT) (AME)

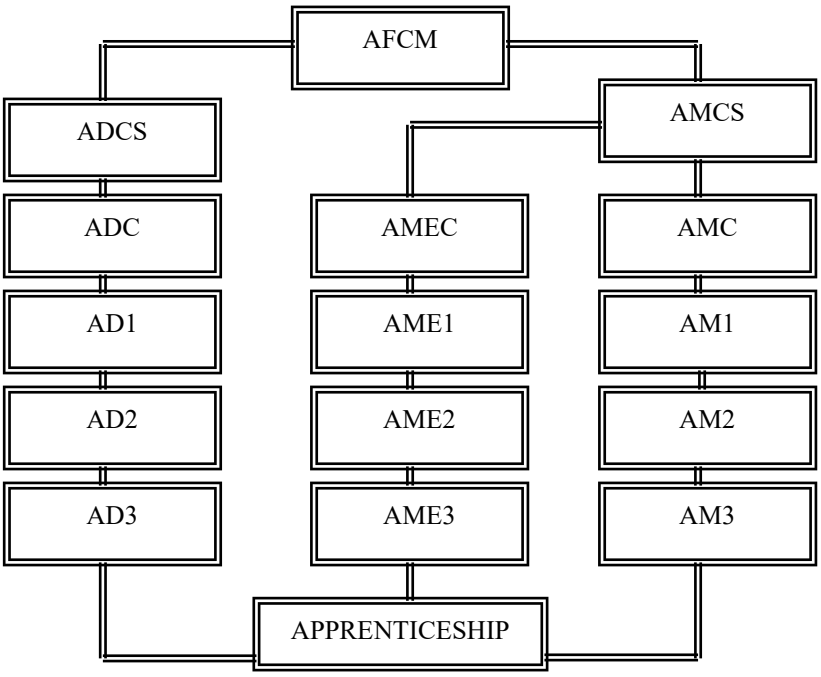
SCOPE OF RATING

Aviation Structural Mechanics (Safety Equipment) (AME) maintain ejection seats, canopy jettison components, and environmental control, fire extinguishing, and associated life support systems; maintain gaseous and liquid oxygen, cockpit/cabin pressurization, heating and cooling, and ventilation systems, and avionics cooling, and anti-gravity components; maintain utility systems and associated lines, fittings, valves, control mechanisms, oxygen gauges, converters, and regulators; inspect, remove, and install ejection seats and associated components; inspect, remove, and install explosive devices; rig and adjust canopy assemblies; operate and maintain Liquid Oxygen (LOX), gaseous oxygen and nitrogen systems, and Support Equipment (SE); and perform daily, pre-flight, post-flight, conditional and other periodic aircraft inspections.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 7.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Aviation Environmental and Egress Technician 001955

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	AVIA ENVIRONMENTAL EGRESS TEC	SFTY EQUI TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AME	NEC EXXX series and other NECs as assigned

Job Description

Aviation Environmental and Egress Technicians maintain and repair aircraft systems such as: ejection seats, crash worthy seats, utility systems, furnishings, and canopy systems; maintain gaseous and Liquid Oxygen (LOX) and nitrogen systems and Environmental Control Systems (ECS) and subsystems; maintain ordnance and manage explosive devices (i.e., Cartridge Actuated Devices (CAD) and Propellant Actuated Devices (PAD) etc.); configure aircraft for flight schedules; manage scheduled and unscheduled maintenance; and perform daily, pre-flight, post-flight, conditional and other periodic aircraft inspections.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Aircraft Structures	160300	Aviation Inspectors	53-6051.01	Transportation and Material Moving

Skills	Abilities
Reading Comprehension	*Manual Dexterity*
Equipment Maintenance	*Originality*
Quality Control Analysis	*Problem Sensitivity*
Equipment Selection	*Selective Attention*
Complex Problem Solving	*Inductive Reasoning*
Systems Analysis	*Speed of Closure*
Troubleshooting	*Perceptual Speed*
Operation and Control	*Time Sharing*
Operation Monitoring	*Written Comprehension*
Management of Material Resources	*Category Flexibility*

CORROSION CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Clean aircraft, Support Equipment (SE), and aircraft related equipment
E4	CORE	Inspect aircraft and aircraft components for corrosion
E4	NON-CORE	Perform aircraft, Support Equipment (SE), and aircraft related equipment preservation/de-preservation
E4	CORE	Perform corrosion prevention procedures
E4	NON-CORE	Perform emergency reclamations
E4	CORE	Treat aircraft and components for corrosion

EGRESS/EMERGENCY SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Arm Deployable Flight Incident Recorder Set (DFIRS) panels
E4	CORE	Arm emergency canopy system components
E4	CORE	Arm fire bottles
E4	CORE	De-arm Deployable Flight Incident Recorder Set (DFIRS) panels
E4	CORE	De-arm emergency canopy system components
E4	CORE	De-arm fire bottles
E5	CORE	Inspect Deployable Flight Incident Recorder Set (DFIRS) panels
E5	CORE	Inspect Dry Bay Fire Suppression Systems (DBFSS) and components

EGRESS/EMERGENCY SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Inspect ejection seat assembly components
E5	CORE	Inspect emergency canopy system components
E5	CORE	Inspect explosive system components
E5	CORE	Inspect fire extinguishing system components
E4	CORE	Inspect portable fire extinguishers
E5	CORE	Inspect seat pan assemblies
E4	CORE	Install Cartridge Actuated Devices/Propellant Actuated Devices (CAD/PADs)
E4	CORE	Install Deployable Flight Incident Recorder Set (DFIRS) panels
E4	CORE	Install Dry Bay Fire Suppression Systems (DBFSS) and components
E4	CORE	Install ejection seat assembly components
E4	CORE	Install emergency canopy system components
E4	CORE	Install explosive system components
E4	CORE	Install fire extinguishing system components
E4	CORE	Install portable fire extinguishers
E4	CORE	Install portable water Carbon Dioxide (CO2) cartridges
E4	CORE	Install seat pan assemblies
E5	CORE	Manage egress system checkout programs
E6	CORE	Manage explosive devices
E6	CORE	Manage explosive handling personnel qualification and certification programs
E4	CORE	Perform Dry Bay Fire Suppression Systems (DBFSS) operational checks
E4	CORE	Perform ejection seat systems maintenance (e.g., consumable part replacements, gaskets, screws, etc.)
E5	CORE	Perform fire extinguishing systems operational checks
E4	CORE	Remove Cartridge Actuated Devices/Propellant Actuated Devices (CAD/PAD)
E4	CORE	Remove Deployable Flight Incident Recorder Set (DFIRS) panels
E4	CORE	Remove Dry Bay Fire Suppression Systems (DBFSS) and components
E4	CORE	Remove ejection seat assembly components
E4	CORE	Remove emergency canopy system components
E4	CORE	Remove explosive system components
E4	CORE	Remove fire extinguishing system components
E4	CORE	Remove portable fire extinguishers
E4	CORE	Remove portable water Carbon Dioxide (CO2) cartridges
E4	CORE	Remove seat pan assemblies
E5	CORE	Supervise arming evolutions
E5	CORE	Supervise de-arming evolutions
E5	CORE	Supervise egress/emergency systems maintenance
E5	NON-CORE	Supervise emergency reclamations
E5	CORE	Supervise ordnance maintenance
E5	CORE	Test ejection seat assembly components

EGRESS/EMERGENCY SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Troubleshoot Dry Bay Fire Suppression Systems (DBFSS)
E5	CORE	Troubleshoot ejection seat assembly components
E5	CORE	Troubleshoot fire extinguishing systems

MAINTENANCE CONTROL/ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	NON-CORE	Assign aircraft to flight schedules
E6	NON-CORE	Certify aircraft Safe For Flight (SFF)
E5	CORE	Certify Cartridge Actuated Devices/Propellant Actuated Devices (CAD/PAD) fleet returns
E6	NON-CORE	Conduct maintenance meetings
E6	NON-CORE	Configure aircraft for flight schedules
E6	NON-CORE	Control aircraft acceptance inspections
E6	NON-CORE	Coordinate Flight Deck (FD)/Flight Line (FL) operations
E5	CORE	Create explosive components in configuration management (i.e., Cartridge Actuated Devices/Propellant Actuated Devices (CAD/PAD), Optimized Organized Maintenance Activity (OOMA))
E4	CORE	Document maintenance actions
E5	CORE	Generate Cartridge Actuated Devices/Propellant Actuated Devices (CAD/PADs) reports, web orders, and Service Life Extensions (SLE)
E6	NON-CORE	Manage Maintenance Control (MC) operations
E6	CORE	Manage scheduled maintenance
E4	CORE	Manage unscheduled maintenance
E7	NON-CORE	Prepare Planned Maintenance Intervals (PMI) for aircraft
E7	NON-CORE	Prepare Standard Depot Level Maintenance (SDLM) for aircraft
E4	CORE	Review Aircraft Discrepancy Books (ADB)
E6	CORE	Review Monthly Maintenance Plans (MMP)/Monthly Personnel Plans (MPP)
E6	CORE	Screen Visual Information Display System/Maintenance Action Forms (VIDS/MAF)
E5	CORE	Update Monthly Maintenance Plans (MMP)/Monthly Personnel Plans (MPP)
E5	CORE	Validate Cartridge Actuated Devices/Propellant Actuated Devices (CAD/PAD) virtual Ready Service Lockers (RSL)
E6	CORE	Verify Functional Check Flight (FCF) requirements
E5	CORE	Verify high time components
E5	CORE	Verify ordnance utilizing Cartridge Actuated Devices/Propellant Actuated Devices (CAD/PAD) program

MECHANICAL MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Inspect air conditioning components
E4	CORE	Inspect aircraft defog system components
E5	CORE	Inspect aircraft fire detection system components

MECHANICAL MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Inspect anti-gravity system components
E4	CORE	Inspect anti-ice removal system components
E4	CORE	Inspect avionics ground cooling system components
E4	CORE	Inspect avionics Liquid Cooling Systems (LCS) and components
E4	CORE	Inspect cabin pressurization system components
E4	CORE	Inspect cabin seal system components
E4	CORE	Inspect canopy seal system components
E4	CORE	Inspect cockpit/cabin furnishings
E4	CORE	Inspect crash worthy seats
E4	CORE	Inspect crew relief systems
E4	CORE	Inspect de-icing system components
E4	CORE	Inspect engine bleed air leak detection system components
E4	CORE	Inspect engine bleed air system components
E4	CORE	Inspect Environmental Control Systems (ECS) components
E4	CORE	Inspect galley systems
E4	CORE	Inspect normal canopy system components
E4	CORE	Inspect potable water systems and components
E4	CORE	Inspect rain removal system components
E4	CORE	Inspect ram air system components
E4	CORE	Inspect smoke detection systems
E4	CORE	Inspect warm air system components
E4	CORE	Inspect wave guide system components
E4	CORE	Inspect weapons bay heat systems components
E4	CORE	Inspect windshield wash system components
E4	CORE	Install air conditioning components
E4	CORE	Install aircraft defog system components
E4	CORE	Install aircraft fire detection system components
E4	CORE	Install anti-gravity system components
E4	CORE	Install anti-ice removal system components
E4	CORE	Install avionics ground cooling system components
E4	CORE	Install avionics Liquid Cooling Systems (LCS) and components
E4	CORE	Install cabin pressurization system components
E4	CORE	Install cabin seal system components
E4	CORE	Install canopy seal system components
E4	CORE	Install cockpit/cabin furnishings
E4	CORE	Install crash worthy seats
E4	CORE	Install crew relief system components
E4	CORE	Install de-icing system components
E4	CORE	Install engine bleed air leak detection system components

MECHANICAL MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Install engine bleed air system components
E4	CORE	Install Environmental Control Systems (ECS) components
E4	CORE	Install galley systems
E4	CORE	Install normal canopy system components
E4	CORE	Install potable water system components
E4	CORE	Install rain removal system components
E4	CORE	Install ram air system components
E5	CORE	Install shaft driven compressors
E4	CORE	Install smoke detection systems
E4	CORE	Install warm air system components
E4	CORE	Install wave guide system components
E4	CORE	Install weapons bay heat systems components
E4	CORE	Install windshield wash system components
E4	CORE	Perform air conditioning operational checks
E4	CORE	Perform aircraft defog system operational checks
E5	CORE	Perform aircraft fire detection system operational checks
E5	CORE	Perform anti-gravity system operational checks
E4	CORE	Perform anti-ice removal systems operational checks
E4	CORE	Perform avionics ground cooling systems operational checks
E4	CORE	Perform avionics Liquid Cooling Systems (LCS) operational checks
E4	CORE	Perform cabin pressurization system operational checks
E4	CORE	Perform cabin seal systems operational checks
E4	CORE	Perform canopy seal systems operational checks
E4	CORE	Perform cockpit/cabin furnishings operational checks
E4	CORE	Perform crash worthy seat operational checks
E4	CORE	Perform crew relief systems operational checks
E4	CORE	Perform de-icing systems operational checks
E4	CORE	Perform engine bleed air leak detection system operational checks
E4	CORE	Perform engine bleed air systems operational checks
E4	CORE	Perform Environmental Control Systems (ECS) operational checks
E4	CORE	Perform galley systems operational checks
E4	CORE	Perform normal canopy system operational checks
E4	CORE	Perform potable water systems operational checks
E4	CORE	Perform rain removal systems operational checks
E4	CORE	Perform ram air systems operational checks
E5	CORE	Perform shaft driven compressor operational checks
E4	CORE	Perform smoke detection system operational checks
E4	CORE	Perform warm air system operational checks
E4	CORE	Perform wave guide systems operational checks

MECHANICAL MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform weapons bay heat systems operational checks
E4	CORE	Perform windshield wash systems operational checks
E4	CORE	Remove air conditioning components
E4	CORE	Remove aircraft defog system components
E4	CORE	Remove aircraft fire detection system components
E4	CORE	Remove anti-gravity system components
E4	CORE	Remove anti-ice removal system components
E4	CORE	Remove avionics ground cooling system components
E4	CORE	Remove avionics Liquid Cooling Systems (LCS) and components
E4	CORE	Remove cabin pressurization system components
E4	CORE	Remove cabin seal system components
E4	CORE	Remove canopy seal system components
E4	CORE	Remove cockpit/cabin furnishings
E4	CORE	Remove crash worthy seats
E4	CORE	Remove crew relief system components
E4	CORE	Remove de-icing system components
E4	CORE	Remove engine bleed air leak detection system components
E4	CORE	Remove engine bleed air system components
E4	CORE	Remove Environmental Control Systems (ECS) components
E4	CORE	Remove galley systems
E4	CORE	Remove normal canopy system components
E4	CORE	Remove potable water system components
E4	CORE	Remove rain removal system components
E4	CORE	Remove ram air system components
E4	CORE	Remove shaft driven compressors
E4	CORE	Remove smoke detection systems
E4	CORE	Remove warm air system components
E4	CORE	Remove wave guide system components
E4	CORE	Remove weapons bay heat systems components
E4	CORE	Remove windshield wash system components
E4	CORE	Repair cockpit/cabin furnishings
E4	CORE	Repair de-icing system components
E4	CORE	Rig aircraft defog system components
E5	CORE	Rig normal canopy systems
E5	CORE	Rig ram air system components
E4	CORE	Service shaft driven compressor with engine oil
E4	CORE	Test anti-gravity system components
E4	CORE	Test avionics ground cooling system
E4	CORE	Test avionics Liquid Cooling Systems (LCS) and components

MECHANICAL MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test cabin pressurization systems
E5	CORE	Troubleshoot air conditioning systems
E5	CORE	Troubleshoot aircraft defog systems
E5	CORE	Troubleshoot aircraft fire detection systems
E5	CORE	Troubleshoot anti-gravity systems
E5	CORE	Troubleshoot anti-ice removal system and components
E5	CORE	Troubleshoot avionics ground cooling systems
E5	CORE	Troubleshoot avionics Liquid Cooling Systems (LCS)
E5	CORE	Troubleshoot cabin pressurization systems
E5	CORE	Troubleshoot cabin seal systems
E5	CORE	Troubleshoot canopy seal systems
E5	CORE	Troubleshoot cockpit/cabin furnishings
E5	CORE	Troubleshoot crash worthy seats
E5	CORE	Troubleshoot crew relief systems
E5	CORE	Troubleshoot de-icing systems components
E5	CORE	Troubleshoot engine bleed air leak detection systems
E5	CORE	Troubleshoot engine bleed air systems
E5	CORE	Troubleshoot Environmental Control Systems (ECS)
E5	CORE	Troubleshoot galley systems
E5	CORE	Troubleshoot normal canopy systems
E5	CORE	Troubleshoot potable water systems
E5	CORE	Troubleshoot rain removal systems
E5	CORE	Troubleshoot ram air systems
E5	CORE	Troubleshoot shaft driven compressors
E5	CORE	Troubleshoot smoke detection systems
E5	CORE	Troubleshoot warm air systems
E5	CORE	Troubleshoot wave guide systems
E5	CORE	Troubleshoot weapons bay heat systems
E5	CORE	Troubleshoot windshield wash systems

OXYGEN, NITROGEN, AND LIQUID OXYGEN SYSTEMS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Inspect Cabin Pressure and Onboard Oxygen Generation System Monitoring System (CPOMS) components
E4	CORE	Inspect gaseous oxygen systems
E4	NON-CORE	Inspect Liquid Oxygen (LOX) systems and components
E5	CORE	Inspect nitrogen systems
E4	CORE	Inspect On-Board Oxygen Generating Systems (OBOGS)
E4	NON-CORE	Install Cabin Pressure and Onboard Oxygen Generation System Monitoring System (CPOMS) components

OXYGEN, NITROGEN, AND LIQUID OXYGEN SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Install gaseous oxygen system components
E4	NON-CORE	Install Liquid Oxygen (LOX) components
E4	CORE	Install nitrogen system components
E4	CORE	Install On-Board Oxygen Generating Systems (OBOGS) components
E4	CORE	Perform gaseous oxygen system operational checks
E4	NON-CORE	Perform Liquid Oxygen (LOX) system operational checks
E5	CORE	Perform nitrogen system operational checks
E4	CORE	Perform On-board Oxygen Generating Systems (OBOGS) operational checks
E4	NON-CORE	Remove Cabin Pressure and Onboard Oxygen Generation System Monitoring System (CPOMS) components
E4	CORE	Remove gaseous oxygen system components
E4	NON-CORE	Remove Liquid Oxygen (LOX) components
E4	CORE	Remove nitrogen system components
E4	CORE	Remove On-Board Oxygen Generating Systems (OBOGS) components
E4	CORE	Service nitrogen systems with nitrogen
E4	CORE	Service seat pan with oxygen
E4	NON-CORE	Test Cabin Pressure and Onboard Oxygen Generation System Monitoring System (CPOMS)
E5	NON-CORE	Troubleshoot Cabin Pressure and Onboard Oxygen Generation System Monitoring System (CPOMS)
E5	CORE	Troubleshoot gaseous oxygen systems
E5	NON-CORE	Troubleshoot Liquid Oxygen (LOX) systems
E5	CORE	Troubleshoot nitrogen systems
E5	CORE	Troubleshoot On-Board Oxygen Generating Systems (OBOGS)

QUALITY ASSURANCE (QA)

Paygrade	Task Type	Task Statements
E6	CORE	Audit Naval Aviation Maintenance Programs (NAMP)
E5	NON-CORE	Compile Technical Directives (TD)
E4	CORE	Comply with technical publication requirements
E5	CORE	Conduct aircraft acceptance inspections
E4	CORE	Conduct aircraft daily inspections
E4	CORE	Conduct aircraft special inspections
E4	CORE	Conduct aircraft transfer inspections
E4	CORE	Conduct aircraft turnaround inspections
E4	CORE	Conduct Collateral Duty Inspector (CDI) inspections
E5	CORE	Conduct Collateral Duty Quality Assurance Representative (CDQAR) inspections
E4	CORE	Conduct conditional inspections
E4	CORE	Conduct phase inspections
E6	CORE	Conduct Quality Assurance (QA) inspections

QUALITY ASSURANCE (QA) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Conduct Support Equipment (SE) inspections (e.g., daily, weekly, preoperational, etc.)
E4	CORE	Conduct visual inspections of aircraft internal components
E6	CORE	Coordinate phase maintenance
E5	CORE	Inspect egress/emergency systems maintenance
E5	CORE	Manage Aviators Breathing Oxygen (ABO) programs
E6	CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Monitor egress system checkout programs

CHAPTER 8

AIRMAN
(AN)

NAVPERS 18068F-8D
Change 90

Updated: April 2022

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

AIRMAN (AN)

APPRENTICESHIP

SCOPE OF RATING

Airmen (AN) assist in the maintenance of aircraft and associated aeronautical equipment; assist in the maintenance of aircraft support equipment; service and clean aircraft; assist in aircraft handling; and perform other apprenticeship duties required in the operation of naval aviation activities afloat and ashore.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 8.

PATHS OF ADVANCEMENT

Per NAVADMIN 275/19, Professional Career Apprenticeship Track (PACT) Sailors will receive rating designating based upon the billet for which they are selected in MyNavy Assignment (MNA).

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title
Airman

Job Code
002687

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	AIRMAN	AIRMAN

Pay Plan	Career Field	Other Relationships and Rules
ENLISTED	AN	N/A

Job Description
Airmen assist in the maintenance of aircraft and associated aeronautical equipment; assist in the maintenance of aircraft Support Equipment (SE); service and clean aircraft; assist in aircraft handling; and perform other apprenticeship duties required in the operation of naval aviation activities afloat and ashore.

DoD Relationship

Group Title	*DoD Code*
	190000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Maintenance and Repair Workers, General	49-9042.00	Installation, Maintenance, and Repair

Skills	Abilities
Active Learning	*Written Comprehension*
Reading Comprehension	*Deductive Reasoning*
Equipment Selection	*Manual Dexterity*
Equipment Maintenance	*Memorization*
Quality Control Analysis	*Response Orientation*
Repairing	*Spatial Orientation*
Coordination	*Rate Control*
Monitoring	*Near Vision*
Operation and Control	*Auditory Attention*
Speaking	*Far Vision*

AIRCRAFT MAINTENANCE

Paygrade	Task Type	Task Statements
E3	CORE	Explain the general purposes of aircraft electrical systems
E3	CORE	Identify general types of aircraft electronic equipment
E3	CORE	Identify major structural components of aircraft
E3	CORE	Identify types of aircraft power plants
E3	CORE	Read aircraft quantity, temperature, pressure gauges and instruments
E3	CORE	Service aircraft with fuel
E3	CORE	Service aircraft with hydraulic fluid
E3	CORE	Service aircraft with nitrogen/air
E3	CORE	Service aircraft with oil
E3	CORE	Use common aircraft screws, nuts, bolts, and tools
E3	CORE	Utilize reference tools and materials (e.g., Joint Technical Data Integration (JTDI), Personal Electronic Maintenance Aids (PEMA), etc.)

AVIATION SUPPORT OPERATIONS

Paygrade	Task Type	Task Statements
E3	CORE	Clean aircraft handling equipment
E3	CORE	Communicate with the tower
E3	CORE	Connect external power cables for starting and servicing aircraft
E3	CORE	Demonstrate the general methods of handling land-based and carrier aircraft
E3	CORE	Describe the designation system for Naval aircraft
E3	CORE	Direct aircraft using standard aircraft taxi signals
E3	CORE	Disconnect external power cables for starting and servicing aircraft
E3	CORE	Discuss the purposes of common aviation Support Equipment (SE)
E3	CORE	Document aircraft maintenance
E3	CORE	Explain the general purposes of aircraft cable control systems
E3	CORE	Explain the general purposes of aircraft hydraulic systems
E3	CORE	Explain the general purposes of aircraft pneumatic systems
E3	CORE	Identify the color codes and markings used for aircraft lines, tubing, and hoses
E3	CORE	Identify the color coding of flight deck clothing and protective equipment used aboard aircraft capable ships/vessels
E3	CORE	Identify the major types of handling equipment associated with land-based and carrier aircraft
E3	CORE	Identify types of aircraft armament equipment
E3	CORE	Identify types of common aviation support equipment
E3	CORE	Lubricate aircraft handling equipment
E3	CORE	Operate mobile equipment around aircraft
E3	CORE	Perform duties as member of aircraft handling crew
E3	CORE	Ride brakes of aircraft being towed or pushed
E3	CORE	Sample fuel for contaminants
E3	CORE	Secure and tie down aircraft
E3	CORE	Service aircraft handling equipment
E3	CORE	Service aircraft servicing equipment
E3	CORE	Stand aircraft integrity watches
E3	CORE	Use aviation publications (e.g., Navy Aviation Maintenance Programs (NAMP), Naval Air Training and Operating Procedures Standardization (NATOPS), etc.)

CORROSION CONTROL AND MATERIAL PRESERVATION

Paygrade	Task Type	Task Statements
E3	CORE	Clean and preserve aircraft tie downs
E3	CORE	Identify the different types of corrosion
E3	CORE	Inspect aircraft and support equipment (SE) for presence of corrosion
E3	CORE	Perform corrosion prevention techniques
E3	CORE	Perform corrosion treatment techniques

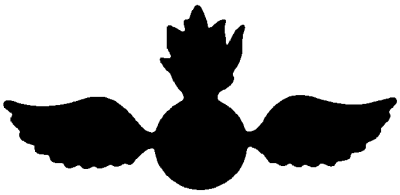
NAVAL ORIENTATION AND ORGANIZATION

Paygrade	Task Type	Task Statements
E3	CORE	Define common Naval aviation terms and nomenclature
E3	CORE	Describe the general functions of aviation activities (e.g., ashore/afloat, squadrons, departments, etc.)
E3	CORE	Describe the organizational structure of Naval aviation

SAFETY

Paygrade	Task Type	Task Statements
E3	CORE	Carry out general procedures for gaining entrance to aircraft under emergency conditions
E3	CORE	Describe and practice Naval aviation tool control program procedures
E3	CORE	Describe emergency light communication procedures
E3	CORE	Describe the procedures for extinguishing fires caused by hot brakes
E3	CORE	Identify the color marking system for vehicles used on airfields and flight lines
E3	CORE	Identify the flight deck markings and lighting systems
E3	CORE	Identify the hazards associated with the use of hazardous materials
E3	CORE	Identify when an ejection seat is armed/safe
E3	CORE	Install common aircraft safety and locking devices
E3	CORE	Maintain personal protective equipment (e.g., float coat, cranial, etc.)
E3	CORE	Perform Foreign Object Debris (FOD) walkdowns
E3	CORE	Recognize flight deck hand signals
E3	CORE	Recognize the markings indicating dangerous areas on airfields, aircraft, and flight decks
E3	CORE	Stand fire watch during fueling, defueling, and starting of aircraft

CHAPTER 9



AVIATION ORDNANCEMAN
(AO)

NAVPERS 18068F-9H
Change-102

Updated: April 2025
Event-Based Review

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

AVIATION ORDNANCEMAN (AO)

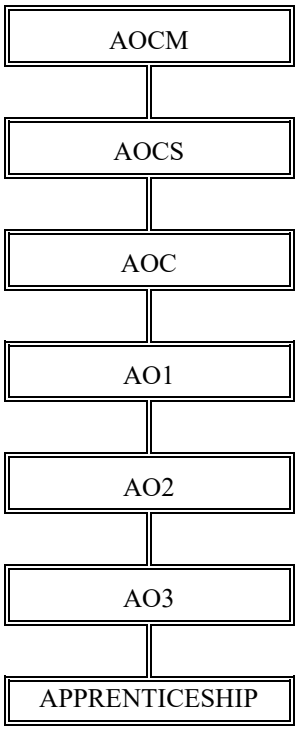
SCOPE OF RATING

Aviation Ordnancemen (AO) receive, inspect, package, store, handle, and process for shipment: airborne weapons, air launched torpedoes, aerial mines, sonobouys, pyrotechnics and ammunition; maintain, test, assemble, load, download, arm, and de-arm all airborne weapons, aircraft gun systems, targets, sonobouys, and pyrotechnics for aircraft carriage; receive, inspect, inventory, configure, test, and maintain Armament Weapons Support Equipment (AWSE), Ordnance Handling Equipment (OHE), Aircraft Armament Systems (AAS) and Materials Handling Equipment (MHE); test and maintain aircraft armament release and control systems; inspect and maintain conventional ordnance magazines and Ready Service Lockers (RSL); maintain and operate magazine sprinkler systems; maintain and operate cargo/weapons elevators; perform preventative maintenance on and inventory of small arms weapons; manage accounting systems, rework of airborne weapons/systems/equipment, and conventional weapons qualification/certification programs, afloat and ashore; and prepare, review, maintain, and inspect compliance with directives and reports applicable to Notice of Ammunition Reclassification (NAR), Hazards of Electromagnetic Radiation to Ordnance (HERO), and weapons and explosive handling certification programs.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 9.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Armament Weapons Support Equipment Technician 002000

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	ARM WEAPONS SUPPORT EQ TEC	ARM WEP SE TEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AO	NEC DXXX, EXXX, 7XXX series and other NECs as assigned

Job Description

Armament Weapons Support Equipment Technicians support both air- and surface-launched weapons: perform intermediate level maintenance on both peculiar and common ordnance handling and transportation equipment; and maintain, operate, and issue/receive Armament Weapons Support Equipment (AWSE), Material Handling Equipment (MHE), and Ordnance Handling Equipment (OHE) to include corrosion control, deficiency reporting, misuse and abuse reporting, preservation, and tools used for canning and de-canning, magazine handling, and assembly of weapons or ordnance-related commodities (e.g., hoisting beams, weapons carriers, strong backs, hand lift trucks, weapon skids, trailers, bomb trucks (non-self-powered) and their associated weapons assembly tables, maintenance stands, and other weapons-related equipment).

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Aviation Ordnance	164600	Maintenance Workers, Machinery	49-9043.00	Installation, Maintenance, and Repair

Skills	Abilities
Monitoring	*Written Comprehension*
Quality Control Analysis	*Inductive Reasoning*
Critical Thinking	*Deductive Reasoning*
Equipment Maintenance	*Information Ordering*
Management of Material Resources	*Manual Dexterity*
Operation and Control	*Problem Sensitivity*
Installation	*Selective Attention*
Reading Comprehension	*Written Expression*
Writing	*Static Strength*
Judgment and Decision Making	*Perceptual Speed*

MANAGEMENT AND SUPERVISION

Paygrade	Task Type	Task Statements
E5	CORE	Conduct ordnance operations and evolutions safety briefs
E6	CORE	Manage Armament Weapons Support Equipment (AWSE) maintenance operations
E7	CORE	Manage Armament Weapons Support Equipment (AWSE) status reporting process
E7	CORE	Manage Arms, Ammunition, and Explosives (AA&E) programs
E6	CORE	Manage cargo/weapons elevator maintenance operations
E7	NON-CORE	Manage Consolidated Ships Maintenance Plans (CSMP)
E7	NON-CORE	Manage Coordinated Shipboard Allowance Lists (COSAL)
E7	CORE	Manage explosive safety mishaps reporting process
E6	CORE	Manage explosive safety program operations
E7	CORE	Manage explosive safety programs
E6	NON-CORE	Manage Individual Component Repair List (ICRL) change request process
E6	NON-CORE	Manage Individual Material Readiness List (IMRL) change request process
E7	CORE	Manage magazine and locker inventory programs
E7	CORE	Manage Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reporting process
E7	CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E7	CORE	Manage Ordnance Handling Equipment (OHE) operations, maintenance, test and inspection programs
E6	CORE	Manage ordnance handling operations

MANAGEMENT AND SUPERVISION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage ordnance operations
E7	CORE	Manage ordnance programs
E6	NON-CORE	Manage Shore-based Consolidated Allowance Lists (SHORCAL)
E5	CORE	Manage Single Hoist Ordnance Loading Systems (SHOLS) inventory evolutions
E6	CORE	Manage Single Hoist Ordnance Loading Systems (SHOLS) inventory operations
E5	CORE	Manage Single Hoist Ordnance Loading Systems (SHOLS) maintenance evolutions
E7	CORE	Manage Single Hoist Ordnance Loading Systems (SHOLS) maintenance operations
E7	NON-CORE	Manage waiver exemption, deviation, and secretarial certification process
E5	CORE	Manage Weapons Support Equipment (WSE) maintenance operations
E7	NON-CORE	Oversee explosive handling qualification and certification boards
E5	CORE	Supervise Arms, Ammunition, and Explosives (AA&E) program operations
E5	NON-CORE	Supervise Coordinated Shipboard Allowance Lists (COSAL) inventory evolutions
E5	NON-CORE	Supervise explosive safety program operations
E7	CORE	Supervise Navy personnel conventional Ammunition (ammo) and Explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program operations
E5	CORE	Update Monthly Maintenance Plans (MMP) / Monthly Personnel Plan (MPP)
E6	CORE	Validate Monthly Maintenance Plans (MMP) / Monthly Personnel Plan (MPP)
E6	NON-CORE	Verify Coordinated Shipboard Allowance Lists (COSAL)
E6	CORE	Verify Navy personnel conventional ammunition (ammo) and explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program records
E6	CORE	Verify Ordnance Handling Equipment (OHE) operations, maintenance, test and inspection program
E7	CORE	Verify ordnance handling operations

ORDNANCE MAINTENANCE: AIRBORNE WEAPONS SUPPORT EQUIPMENT (AWSE)

Paygrade	Task Type	Task Statements
E5	CORE	Issue Armament Weapons Support Equipment (AWSE)
E4	CORE	Maintain air-nitrogen systems
E4	CORE	Maintain Armament Weapons Support Equipment (AWSE)
E4	CORE	Maintain Material Handling Equipment (MHE)
E4	CORE	Maintain Ordnance Handling Equipment (OHE)
E4	CORE	Maintain Single Hoist Ordnance Loading Systems (SHOLS)
E4	CORE	Maintain Weapons Support Equipment (WSE)
E6	CORE	Manage Armament Weapons Support Equipment (AWSE) maintenance evolutions
E6	CORE	Manage Material Handling Equipment (MHE) maintenance, test, and inspection program operations
E7	CORE	Manage Material Handling Equipment (MHE) maintenance, test, and inspection programs
E6	CORE	Manage Weapons Support Equipment (WSE) maintenance evolutions
E4	CORE	Perform Armament Weapons Support Equipment (AWSE) pre-operational inspections
E4	CORE	Perform Single Hoist Ordnance Loading Systems (SHOLS) inventories
E5	CORE	Prepare Armament Weapons Support Equipment (AWSE) status reports

ORDNANCE MAINTENANCE: AIRBORNE WEAPONS SUPPORT EQUIPMENT (AWSE) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Receive Armament Weapons Support Equipment (AWSE)
E5	CORE	Supervise Armament Weapons Support Equipment (AWSE) maintenance evolutions
E5	CORE	Supervise Material Handling Equipment (MHE) maintenance, tests, and inspections
E5	CORE	Supervise Ordnance Handling Equipment (OHE) operations, maintenance, tests and inspections programs
E5	CORE	Supervise Single Hoist Ordnance Loading Systems (SHOLS) inventory evolutions
E5	CORE	Supervise Single Hoist Ordnance Loading Systems (SHOLS) maintenance evolutions
E5	CORE	Supervise Weapons Support Equipment (WSE) maintenance evolutions
E4	CORE	Transport Armament Weapons Support Equipment (AWSE)
E6	CORE	Verify Armament Weapons Support Equipment (AWSE) status reports

ORDNANCE MAINTENANCE: MAGAZINES/ELEVATORS

Paygrade	Task Type	Task Statements
E6	CORE	Manage cargo/weapons elevator maintenance evolutions
E4	CORE	Perform cargo/weapons elevator pre-operational inspections
E4	CORE	Perform command movement operations (e.g., cargo/weapons elevator systems)
E5	CORE	Supervise cargo/weapons elevator maintenance evolutions
E5	CORE	Supervise command movement operations (e.g., cargo/weapons elevator systems)

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E5	CORE	Audit Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Audit ordnance programs
E5	CORE	Conduct Collateral Duty Inspector (CDI) inspections
E6	CORE	Manage Naval Ordnance Management Policy (NOMP)
E5	CORE	Perform ordnance issue and receipt inspections
E5	CORE	Prepare Engineering Investigation (EI) reports
E5	CORE	Prepare Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reports
E5	CORE	Prepare Support Equipment (SE) misuse and abuse reports
E6	CORE	Verify Naval Aviation Maintenance Programs (NAMP)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Incorporate Technical Directives (TD)
E4	NON-CORE	Perform Coordinated Shipboard Allowance Lists (COSAL) inventories
E4	NON-CORE	Perform Shore-based Consolidated Allowance List (SHORCAL) inventories
E5	NON-CORE	Prepare Individual Component Repair List (ICRL) change requests
E5	NON-CORE	Prepare Individual Material Readiness List (IMRL) change requests
E7	CORE	Prepare waiver exemption, deviation, and secretarial certification correspondence
E5	NON-CORE	Supervise Shore-based Consolidated Allowance Lists (SHORCAL) inventory evolutions
E5	CORE	Update Navy personnel conventional ammunition (ammo) and explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program records

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Verify Individual Component Repair List (ICRL) change requests
E6	NON-CORE	Verify Individual Material Readiness List (IMRL) change requests
E6	CORE	Verify Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reports
E6	NON-CORE	Verify Shore-based Consolidated Allowance Lists (SHORCAL)

WEAPONS HANDLING

Paygrade	Task Type	Task Statements
E4	CORE	Inventory Arms, Ammunition and Explosives (AA&E)
E4	CORE	Inventory ordnance
E4	CORE	Maintain ordnance
E4	CORE	Operate pneumatic systems
E4	CORE	Operate small arms
E4	NON-CORE	Perform Crew-Served Weapons (CSW) casualty drills
E4	CORE	Perform ordnance evolutions
E5	NON-CORE	Supervise Crew-Served Weapons (CSW) casualty drill evolutions
E5	CORE	Supervise ordnance evolutions
E5	CORE	Supervise ordnance handling operations

WEAPONS SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Maintain grounding devices
E7	NON-CORE	Schedule depot-level maintenance

Job Title **Job Code**

Aircraft Armament Equipment Technician 002045

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Architecture and Engineering	TBD	AIRCRAFT ARMAMENT EQ TEC	I LVL AAE TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AO	NEC DXXX, EXXX, 7XXX series and other NECs as assigned

Job Description

Aircraft Armament Equipment Technicians conduct intermediate level maintenance on Aircraft Armament Systems (AAS) including aircraft gun systems and Linkless Ammunition Loading Systems (LALS); issue and receive inventory; perform operational check-outs; perform scheduled, unscheduled, and periodic maintenance (e.g., corrosion control, preservation/depreservation, troubleshooting, repair, removal, replacement, etc.) using special tools and test equipment.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Aviation Ordnance	164600	Electro-Mechanical and Mechatronics Technologists and Technicians	17-3024.00	Architecture and Engineering

Skills	Abilities
Quality Control Analysis	*Written Comprehension*
Monitoring	*Inductive Reasoning*
Equipment Maintenance	*Problem Sensitivity*
Installation	*Information Ordering*
Management of Material Resources	*Manual Dexterity*
Critical Thinking	*Deductive Reasoning*
Troubleshooting	*Selective Attention*
Operation and Control	*Written Expression*
Reading Comprehension	*Dynamic Strength*
Equipment Selection	*Static Strength*

AIRCRAFT ARMAMENT SYSTEMS (AAS)

Paygrade	Task Type	Task Statements
E4	CORE	Assemble Aircraft Armament Systems (AAS)
E4	CORE	Disassemble Aircraft Armament Systems (AAS)
E4	CORE	Inventory Aircraft Armament Systems (AAS)
E4	CORE	Maintain aircraft bomb racks
E4	CORE	Maintain aircraft pylons
E4	CORE	Maintain missile launchers
E4	CORE	Prepare Aircraft Armament Systems (AAS) materials for shipping
E4	CORE	Prepare Aircraft Armament Systems (AAS) reports
E4	CORE	Stow Aircraft Armament Systems (AAS)
E5	CORE	Supervise Aircraft Armament Systems (AAS) inventory evolutions
E5	CORE	Supervise Aircraft Armament Systems (AAS) maintenance evolutions
E4	CORE	Transport Aircraft Armament Systems (AAS)
E6	CORE	Verify Aircraft Armament Systems (AAS) materials for shipping reports
E6	CORE	Verify Aircraft Armament Systems (AAS) reports

MANAGEMENT AND SUPERVISION

Paygrade	Task Type	Task Statements
E6	CORE	Manage Aircraft Armament Systems (AAS) inventory evolutions
E6	CORE	Manage Aircraft Armament Systems (AAS) inventory operations

MANAGEMENT AND SUPERVISION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage Aircraft Armament Systems (AAS) maintenance evolutions
E7	CORE	Manage Aircraft Armament Systems (AAS) maintenance operations
E6	CORE	Manage Aircraft Armament Systems (AAS) materials shipping process
E7	CORE	Manage Arms, Ammunition, and Explosives (AA&E) programs
E7	NON-CORE	Manage Consolidated Ships Maintenance Plans (CSMP)
E7	CORE	Manage explosive safety mishaps reporting process
E6	CORE	Manage explosive safety program operations
E7	CORE	Manage explosive safety programs
E6	NON-CORE	Manage Individual Component Repair List (ICRL) change request process
E6	NON-CORE	Manage Individual Material Readiness List (IMRL) change request process
E7	CORE	Manage Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reporting process
E7	CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Manage ordnance evolutions
E7	CORE	Manage Ordnance Handling Equipment (OHE) operations, maintenance, test and inspection programs
E6	CORE	Manage ordnance handling operations
E7	CORE	Manage ordnance operations
E7	CORE	Manage ordnance programs
E6	NON-CORE	Manage Shore-based Consolidated Allowance Lists (SHORCAL)
E5	CORE	Manage Single Hoist Ordnance Loading Systems (SHOLS) inventory evolutions
E6	CORE	Manage Single Hoist Ordnance Loading Systems (SHOLS) inventory operations
E5	CORE	Manage Single Hoist Ordnance Loading Systems (SHOLS) maintenance evolutions
E7	CORE	Manage Single Hoist Ordnance Loading Systems (SHOLS) maintenance operations
E7	NON-CORE	Manage waiver exemption, deviation, and secretarial certification process
E6	CORE	Manage weapon systems functional checks operations
E7	CORE	Manage weapon systems Release and Control (R&C) checks program
E7	NON-CORE	Oversee explosive handling qualification and certification boards
E5	CORE	Supervise Arms, Ammunition, and Explosives (AA&E) program operations
E5	NON-CORE	Supervise explosive safety program operations
E7	CORE	Supervise Navy personnel conventional Ammunition (ammo) and Explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program operations
E5	CORE	Update Monthly Maintenance Plans (MMP) / Monthly Personnel Plan (MPP)
E6	CORE	Validate Monthly Maintenance Plans (MMP) / Monthly Personnel Plan (MPP)
E6	CORE	Verify Navy personnel conventional ammunition (ammo) and explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program records
E6	CORE	Verify Ordnance Handling Equipment (OHE) operations, maintenance, test and inspection program
E7	CORE	Verify ordnance handling operations

ORDNANCE MAINTENANCE: AIRBORNE WEAPONS SUPPORT EQUIPMENT (AWSE)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain air-nitrogen systems
E4	CORE	Maintain Linkless Ammunition Loading Systems (LALS)
E4	CORE	Maintain Ordnance Handling Equipment (OHE)
E4	CORE	Maintain Single Hoist Ordnance Loading Systems (SHOLS)
E4	CORE	Maintain Weapons Support Equipment (WSE)
E7	CORE	Manage Material Handling Equipment (MHE) maintenance, test, and inspection programs
E4	CORE	Perform Armament Weapons Support Equipment (AWSE) pre-operational inspections
E4	CORE	Perform Single Hoist Ordnance Loading Systems (SHOLS) inventories
E4	CORE	Stow Armament Weapons Support Equipment (AWSE)
E5	CORE	Supervise Material Handling Equipment (MHE) maintenance, tests, and inspections
E5	CORE	Supervise Ordnance Handling Equipment (OHE) operations, maintenance, tests and inspections programs
E5	NON-CORE	Supervise pneumatic operations
E5	CORE	Supervise Single Hoist Ordnance Loading Systems (SHOLS) inventory evolutions
E5	CORE	Supervise Single Hoist Ordnance Loading Systems (SHOLS) maintenance evolutions
E4	CORE	Transport Armament Weapons Support Equipment (AWSE)

ORDNANCE MAINTENANCE: GUNS

Paygrade	Task Type	Task Statements
E4	CORE	Maintain aircraft gun systems
E6	CORE	Verify aircraft gun systems status reports

ORDNANCE MAINTENANCE: MAGAZINES/ELEVATORS

Paygrade	Task Type	Task Statements
E6	CORE	Manage magazine systems maintenance evolutions
E7	CORE	Manage magazine systems maintenance operations

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E5	CORE	Audit Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Audit ordnance programs
E5	CORE	Conduct Collateral Duty Inspector (CDI) inspections
E6	CORE	Manage Naval Ordnance Management Policy (NOMP)
E5	NON-CORE	Perform aircraft transfer and acceptance inspections
E5	CORE	Perform ordnance issue and receipt inspections
E5	CORE	Perform procedures for setting Hazards of Electromagnetic Radiation to Ordnance (HERO) conditions
E5	CORE	Prepare Engineering Investigation (EI) reports
E5	CORE	Prepare explosive mishaps reports
E5	CORE	Prepare Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reports
E5	CORE	Prepare Support Equipment (SE) misuse and abuse reports

QUALITY ASSURANCE (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Verify explosive mishaps reports
E6	CORE	Verify Naval Aviation Maintenance Programs (NAMP)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Incorporate Technical Directives (TD)
E6	CORE	Manage Airborne Weapons Information Systems (AWIS) program
E4	NON-CORE	Perform Coordinated Shipboard Allowance Lists (COSAL) inventories
E4	NON-CORE	Perform Shore-based Consolidated Allowance List (SHORCAL) inventories
E5	NON-CORE	Prepare Individual Component Repair List (ICRL) change requests
E5	NON-CORE	Prepare Individual Material Readiness List (IMRL) change requests
E7	CORE	Prepare waiver exemption, deviation, and secretarial certification correspondence
E5	NON-CORE	Supervise Shore-based Consolidated Allowance Lists (SHORCAL) inventory evolutions
E5	CORE	Update Airborne Weapons Information Systems (AWIS) data
E5	CORE	Update Navy personnel conventional ammunition (ammo) and explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program records
E6	NON-CORE	Verify Individual Component Repair List (ICRL) change requests
E6	NON-CORE	Verify Individual Material Readiness List (IMRL) change requests
E6	CORE	Verify Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reports
E6	NON-CORE	Verify Shore-based Consolidated Allowance Lists (SHORCAL)

WEAPONS HANDLING

Paygrade	Task Type	Task Statements
E4	CORE	Arm aircraft weapons systems
E5	CORE	Conduct weapons operational inspections
E5	CORE	Conduct weapons transfer and acceptance inspections
E4	CORE	De-arm weapons systems
E4	CORE	Inventory Arms, Ammunition and Explosives (AA&E)
E4	CORE	Inventory ordnance
E4	CORE	Operate pneumatic systems
E4	CORE	Operate small arms
E4	NON-CORE	Perform Crew-Served Weapons (CSW) casualty drills
E4	CORE	Perform ordnance evolutions
E5	NON-CORE	Supervise Crew-Served Weapons (CSW) casualty drill evolutions
E5	CORE	Supervise ordnance evolutions
E5	CORE	Supervise ordnance handling operations
E5	CORE	Supervise ordnance inspection evolutions

WEAPONS SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Document maintenance actions
E4	CORE	Maintain aircrafts for loading evolutions

WEAPONS SYSTEMS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain grounding devices
E6	CORE	Manage weapon systems functional checks evolutions
E6	CORE	Manage weapon systems release and control checks evolutions
E4	CORE	Perform weapon systems functional checks
E4	CORE	Perform weapon systems release and control checks
E7	NON-CORE	Schedule depot-level maintenance
E5	CORE	Supervise weapon systems functional checks evolutions
E5	CORE	Supervise weapon systems release and control checks evolutions

Job Title

Armorer

Job Code

002093

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	ARMORER	ARMORER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AO	NEC DXXX, EXXX, 7XXX series and other NECs as assigned

Job Description

Armorers manage Crew Served Weapons (CSW); issue small arms, ammunition, explosive devices, optics, and associated equipment to qualified military personnel, working in a shipboard or shore environment; conduct maintenance and repairs on small arms, magazine sprinkler systems, and similar explosive items; conduct and maintain small arms and weapons inventories; assist at range facilities and within in-service training; and rebuild, inspect, and ensure weapons are in safe operating condition.

DoD Relationship

Group Title	*DoD Code*
Aviation Ordnance	164600

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Maintenance and Repair Workers, General	49-9071.00	Installation, Maintenance, and Repair

Skills	Abilities
Monitoring	*Written Comprehension*
Quality Control Analysis	*Problem Sensitivity*
Critical Thinking	*Inductive Reasoning*
Equipment Maintenance	*Information Ordering*
Management of Material Resources	*Deductive Reasoning*
Judgment and Decision Making	*Manual Dexterity*
Management of Personnel Resources	*Written Expression*
Operation and Control	*Selective Attention*
Writing	*Static Strength*
Reading Comprehension	*Visualization*

AIRCRAFT ARMAMENT SYSTEMS (AAS)

Paygrade	Task Type	Task Statements
E4	CORE	Prepare Aircraft Armament Systems (AAS) reports
E6	CORE	Verify Aircraft Armament Systems (AAS) reports

MANAGEMENT AND SUPERVISION

Paygrade	Task Type	Task Statements
E7	CORE	Brief ordnance status to Explosive Ordnance Disposal (EOD) teams (e.g., mishaps, ordnance conditions, etc.)
E5	CORE	Conduct ordnance operations and evolutions safety briefs
E7	CORE	Develop explosive safety routes
E7	CORE	Manage Aircraft Armament Systems (AAS) reporting process
E6	CORE	Manage ammunition inventory evolutions
E7	CORE	Manage Arms, Ammunition, and Explosives (AA&E) programs
E7	NON-CORE	Manage Consolidated Ships Maintenance Plans (CSMP)
E6	NON-CORE	Manage Crew-Served gun mount maintenance operations
E6	NON-CORE	Manage Crew-Served Weapons (CSW) casualty drill evolutions
E6	NON-CORE	Manage Crew-Served Weapons (CSW) maintenance operations
E6	NON-CORE	Manage Crew-Served Weapons (CSW) range evolutions
E7	NON-CORE	Manage Crew-Served Weapons (CSW) range operations
E7	CORE	Manage explosive safety mishaps reporting process
E6	CORE	Manage explosive safety program operations

MANAGEMENT AND SUPERVISION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage explosive safety programs
E6	NON-CORE	Manage explosive vehicle operator training and licensing programs
E6	CORE	Manage fleet sentencing operations
E7	NON-CORE	Manage force protection operations
E7	NON-CORE	Manage forward base security requirements operations
E6	NON-CORE	Manage Individual Material Readiness List (IMRL) change request process
E6	CORE	Manage magazine and locker inventory program operations
E7	CORE	Manage magazine and locker inventory programs
E7	NON-CORE	Manage magazine Ship Alterations (SHIPALT) request process
E7	CORE	Manage Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reporting process
E7	CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Manage Non-Combat Expenditure Allocation (NCEA) program operations
E7	CORE	Manage Non-Combat Expenditure Allocation (NCEA) programs
E7	NON-CORE	Manage ordnance damage control operations
E6	CORE	Manage ordnance evolutions
E7	CORE	Manage ordnance facility inspection operations
E6	CORE	Manage ordnance handling operations
E6	CORE	Manage ordnance inspection operations
E6	CORE	Manage ordnance inventories
E7	CORE	Manage ordnance inventory operations
E7	CORE	Manage ordnance operations
E7	CORE	Manage ordnance programs
E7	CORE	Manage ordnance reporting process
E6	CORE	Manage ordnance reports
E6	NON-CORE	Manage Shore-based Consolidated Allowance Lists (SHORCAL)
E6	NON-CORE	Manage small arms range evolutions
E7	NON-CORE	Manage small arms range operations
E7	NON-CORE	Manage waiver exemption, deviation, and secretarial certification process
E6	CORE	Manage weapon systems functional checks operations
E7	NON-CORE	Oversee explosive handling qualification and certification boards
E7	NON-CORE	Plan Crew-Served Weapons (CSW) casualty drills
E5	CORE	Supervise Arms, Ammunition, and Explosives (AA&E) program operations
E6	NON-CORE	Supervise Crew-Served Weapons (CSW) range operations
E5	NON-CORE	Supervise explosive safety program operations
E6	NON-CORE	Supervise force protection personnel
E7	CORE	Supervise fuel systems casualty operations (OTTO FUEL II)
E7	CORE	Supervise Navy personnel conventional Ammunition (ammo) and Explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program operations

MANAGEMENT AND SUPERVISION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise Non-Combat Expenditure Allocation (NCEA) program operations
E6	NON-CORE	Supervise ordnance damage control personnel
E6	CORE	Supervise ordnance facility inspection evolutions
E5	CORE	Update Monthly Maintenance Plans (MMP) / Monthly Personnel Plan (MPP)
E6	CORE	Validate Monthly Maintenance Plans (MMP) / Monthly Personnel Plan (MPP)
E6	CORE	Verify Navy personnel conventional ammunition (ammo) and explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program records
E7	CORE	Verify ordnance handling operations
E7	CORE	Verify ordnance requisitions

ORDNANCE MAINTENANCE: AIRBORNE WEAPONS SUPPORT EQUIPMENT (AWSE)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain Weapons Support Equipment (WSE)
E4	CORE	Perform Armament Weapons Support Equipment (AWSE) pre-operational inspections
E5	NON-CORE	Supervise pneumatic operations
E4	CORE	Transport Armament Weapons Support Equipment (AWSE)

ORDNANCE MAINTENANCE: GUNS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Assemble Crew-Served Weapons (CSW)
E4	NON-CORE	Assemble small arms
E4	NON-CORE	Disassemble Crew-Served Weapons (CSW)
E4	NON-CORE	Disassemble small arms
E4	NON-CORE	Maintain Crew-Served Weapons (CSW)
E4	NON-CORE	Maintain Crew-Served Weapons (CSW) mounts
E6	NON-CORE	Manage Crew-Served gun mount maintenance evolutions
E6	NON-CORE	Manage Crew-Served Weapons (CSW) maintenance evolutions
E5	NON-CORE	Supervise Crew-Served gun mount maintenance evolutions
E5	CORE	Supervise Crew-Served Weapons (CSW) maintenance evolutions

ORDNANCE MAINTENANCE: MAGAZINES/ELEVATORS

Paygrade	Task Type	Task Statements
E4	CORE	Inventory magazines and lockers
E4	CORE	Maintain magazine system components (e.g., safety devices, security alarm systems, sprinkler systems, etc.)
E4	CORE	Maintain magazine systems
E4	CORE	Maintain magazines and Ready Service Lockers (RSL)
E4	CORE	Maintain ordnance facilities
E6	CORE	Manage magazine systems maintenance evolutions
E7	CORE	Manage magazine systems maintenance operations
E6	CORE	Schedule magazine alarm systems maintenance
E7	CORE	Schedule magazine sprinkler systems maintenance

ORDNANCE MAINTENANCE: MAGAZINES/ELEVATORS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise magazine and locker inventory evolutions
E5	CORE	Supervise magazine systems maintenance evolutions

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E5	CORE	Audit Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Audit ordnance programs
E6	CORE	Manage Naval Ordnance Management Policy (NOMP)
E6	CORE	Perform Airborne Weapon Changes (AWC)
E5	CORE	Perform ordnance issue and receipt inspections
E5	CORE	Perform Quality Assurance Safety Observer (QASO) functions
E5	CORE	Prepare Engineering Investigation (EI) reports
E5	CORE	Prepare explosive mishaps reports
E5	CORE	Prepare Support Equipment (SE) misuse and abuse reports
E6	CORE	Verify explosive mishaps reports
E6	NON-CORE	Verify explosive vehicle operator training and licensing programs
E6	CORE	Verify Naval Aviation Maintenance Programs (NAMP)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Manage ordnance shipping and receiving process
E4	NON-CORE	Perform Coordinated Shipboard Allowance Lists (COSAL) inventories
E4	NON-CORE	Perform Shore-based Consolidated Allowance List (SHORCAL) inventories
E5	CORE	Prepare ammunition reports
E5	NON-CORE	Prepare Individual Component Repair List (ICRL) change requests
E5	NON-CORE	Prepare Individual Material Readiness List (IMRL) change requests
E6	CORE	Prepare ordnance preposition messages
E5	CORE	Prepare ordnance requisitions
E5	CORE	Prepare ordnance shipping and receiving documents
E5	CORE	Prepare ordnance status reports (e.g., load-out, serviceable, etc.)
E5	CORE	Prepare small arms firings reports
E7	CORE	Prepare waiver exemption, deviation, and secretarial certification correspondence
E6	CORE	Process ordnance requisitions
E7	NON-CORE	Process small arms firing reports
E5	NON-CORE	Provide explosive vehicle operator training and licensing
E5	NON-CORE	Supervise Shore-based Consolidated Allowance Lists (SHORCAL) inventory evolutions
E5	CORE	Update Navy personnel conventional ammunition (ammo) and explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program records
E6	CORE	Update ordnance administrative documents
E6	NON-CORE	Verify Crew-Served Weapons (CSW) fire reports
E6	NON-CORE	Verify Individual Component Repair List (ICRL) change requests

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Verify Individual Material Readiness List (IMRL) change requests
E7	NON-CORE	Verify magazine Ship Alterations (SHIPALT) requests
E6	CORE	Verify Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reports
E6	CORE	Verify ordnance reports
E6	CORE	Verify ordnance shipping and receiving documents
E6	NON-CORE	Verify Shore-based Consolidated Allowance Lists (SHORCAL)
E6	NON-CORE	Verify small arms firing reports

WEAPONS HANDLING

Paygrade	Task Type	Task Statements
E4	CORE	Arm aircraft weapons systems
E4	CORE	Assemble torpedoes
E5	CORE	Conduct weapons operational inspections
E5	CORE	Conduct weapons transfer and acceptance inspections
E4	CORE	De-arm weapons systems
E4	CORE	Disassemble torpedoes
E4	CORE	Download ammunition
E4	CORE	Download Cartridge Actuated Devices (CAD)
E4	CORE	Download Crew-Served Weapons (CSW)
E4	CORE	Download pyrotechnics
E4	CORE	Download small arms
E4	CORE	Install Cartridge Actuated Devices (CAD)
E4	CORE	Inventory Arms, Ammunition and Explosives (AA&E)
E4	CORE	Inventory ordnance
E4	CORE	Load ammunition
E4	CORE	Load Crew-Served Weapons (CSW)
E4	CORE	Load pyrotechnics
E4	CORE	Load small arms
E4	CORE	Maintain Night Vision Optics (NVO) equipment
E4	CORE	Maintain ordnance
E6	CORE	Manage fleet sentencing evolutions
E6	CORE	Manage ordnance inspection evolutions
E4	CORE	Operate pneumatic systems
E4	CORE	Operate small arms
E4	NON-CORE	Perform Crew-Served Weapons (CSW) casualty drills
E5	NON-CORE	Perform fleet sentencing
E4	CORE	Perform ordnance evolutions
E4	CORE	Perform ordnance inspections
E4	CORE	Perform ordnance strike-up/strike-down procedures
E4	CORE	Remove Cartridge Actuated Devices (CAD)

WEAPONS HANDLING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Stow ammunition (Explosive Ordnance Disposal (EOD)/Other Country)
E4	CORE	Stow Cartridge Actuated Devices (CAD)
E4	NON-CORE	Stow Crew-Served Weapons (CSW)
E4	CORE	Stow pyrotechnics
E4	CORE	Stow small arms
E4	CORE	Stow Tactical Air Launched Decoys (TALD)
E4	CORE	Stow torpedoes
E5	CORE	Supervise ammunition inventory evolutions
E5	NON-CORE	Supervise Crew-Served Weapons (CSW) casualty drill evolutions
E6	NON-CORE	Supervise fleet sentencing evolutions
E5	CORE	Supervise ordnance evolutions
E5	CORE	Supervise ordnance handling operations
E5	CORE	Supervise ordnance inspection evolutions
E5	NON-CORE	Supervise small arms range evolutions
E4	CORE	Transport Cartridge Actuated Devices (CAD)
E4	CORE	Transport Crew-Served Weapons (CSW)
E4	CORE	Transport pyrotechnics
E4	CORE	Transport small arms
E4	CORE	Transport torpedoes

WEAPONS SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Maintain grounding devices
E6	CORE	Manage weapon systems functional checks evolutions
E4	CORE	Perform weapon systems functional checks
E7	NON-CORE	Schedule depot-level maintenance
E5	CORE	Supervise weapon systems functional checks evolutions

Job Title **Job Code**

Weapons Department Technician 002138

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	WEAPONS DEPARTMENT TECHNICIAN	WEP DEPT TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AO	NEC DXXX, EXXX, 7XXX series and other NECs as assigned

Job Description

Weapons Department Technicians perform maintenance and testing, ashore and afloat, on all air-launched weapons, magazine sprinkler systems, and cargo/weapons elevators; are assigned to Shipboard and Shore Weapons Departments as conventional weapons handlers, magazine and ordnance control operators, and cargo/weapons elevator operators; issue, receive, transfer, and store conventional weapons; assemble and disassemble bombs and rockets; and load and unload flares, rocket launchers, and Linkless Ammunition Loading System (LALS).

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Aviation Ordnance	164600	Stockers and Order Fillers	53-7065.00	Transportation and Material Moving

Skills	Abilities
Monitoring	*Written Comprehension*
Quality Control Analysis	*Inductive Reasoning*
Equipment Maintenance	*Problem Sensitivity*
Judgment and Decision Making	*Manual Dexterity*
Management of Personnel Resources	*Information Ordering*
Critical Thinking	*Deductive Reasoning*
Management of Material Resources	*Category Flexibility*
Operation and Control	*Visualization*
Writing	*Static Strength*
Installation	*Written Expression*

AIRCRAFT ARMAMENT SYSTEMS (AAS)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain missile launchers
E4	CORE	Prepare Aircraft Armament Systems (AAS) reports
E4	CORE	Transport Aircraft Armament Systems (AAS)

MANAGEMENT AND SUPERVISION

Paygrade	Task Type	Task Statements
E7	CORE	Brief ordnance status to Explosive Ordnance Disposal (EOD) teams (e.g., mishaps, ordnance conditions, etc.)
E5	CORE	Conduct ordnance operations and evolutions safety briefs
E7	CORE	Designate forward weapons assembly areas
E7	CORE	Develop explosive safety routes
E7	CORE	Develop weapons load plans
E7	CORE	Manage Aircraft Armament Systems (AAS) reporting process
E6	CORE	Manage ammunition inventory evolutions
E5	NON-CORE	Manage arm and de-arm evolutions
E7	CORE	Manage Arms, Ammunition, and Explosives (AA&E) programs
E7	CORE	Manage cargo/weapons elevator license programs
E6	CORE	Manage cargo/weapons elevator maintenance operations
E7	NON-CORE	Manage Consolidated Ships Maintenance Plans (CSMP)
E7	NON-CORE	Manage Coordinated Shipboard Allowance Lists (COSAL)
E6	NON-CORE	Manage Crew-Served gun mount maintenance operations

MANAGEMENT AND SUPERVISION (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Manage Crew-Served Weapons (CSW) casualty drill evolutions
E6	NON-CORE	Manage Crew-Served Weapons (CSW) maintenance operations
E6	NON-CORE	Manage Crew-Served Weapons (CSW) range evolutions
E7	NON-CORE	Manage Crew-Served Weapons (CSW) range operations
E7	CORE	Manage explosive safety mishaps reporting process
E6	CORE	Manage explosive safety program operations
E7	CORE	Manage explosive safety programs
E6	NON-CORE	Manage explosive vehicle operator training and licensing programs
E6	CORE	Manage fleet sentencing operations
E7	NON-CORE	Manage force protection operations
E7	NON-CORE	Manage Forward Arming Refueling Point (FARP) operations
E7	NON-CORE	Manage hot work evolutions
E6	NON-CORE	Manage Individual Component Repair List (ICRL) change request process
E6	NON-CORE	Manage Individual Material Readiness List (IMRL) change request process
E6	CORE	Manage magazine and locker inventory program operations
E7	CORE	Manage magazine and locker inventory programs
E7	NON-CORE	Manage magazine Ship Alterations (SHIPALT) request process
E7	CORE	Manage Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reporting process
E7	CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Manage Non-Combat Expenditure Allocation (NCEA) program operations
E7	CORE	Manage Non-Combat Expenditure Allocation (NCEA) programs
E7	NON-CORE	Manage ordnance damage control operations
E6	CORE	Manage ordnance evolutions
E7	CORE	Manage ordnance facility inspection operations
E7	CORE	Manage Ordnance Handling Equipment (OHE) operations, maintenance, test and inspection programs
E6	CORE	Manage ordnance handling operations
E6	CORE	Manage ordnance inspection operations
E6	CORE	Manage ordnance inventories
E7	CORE	Manage ordnance inventory operations
E7	CORE	Manage ordnance operations
E7	CORE	Manage ordnance programs
E7	CORE	Manage ordnance reporting process
E6	CORE	Manage ordnance reports
E6	NON-CORE	Manage Shore-based Consolidated Allowance Lists (SHORCAL)
E6	NON-CORE	Manage small arms range evolutions
E7	NON-CORE	Manage small arms range operations
E7	NON-CORE	Manage waiver exemption, deviation, and secretarial certification process
E6	CORE	Manage weapon systems functional checks operations
E5	CORE	Manage Weapons Support Equipment (WSE) maintenance operations

MANAGEMENT AND SUPERVISION (CONT'D)

Paygrade	Task Type	Task Statements
E7	NON-CORE	Oversee explosive handling qualification and certification boards
E7	NON-CORE	Plan Crew-Served Weapons (CSW) casualty drills
E7	CORE	Prepare aircraft load plans
E5	CORE	Supervise Arms, Ammunition, and Explosives (AA&E) program operations
E5	NON-CORE	Supervise Coordinated Shipboard Allowance Lists (COSAL) inventory evolutions
E6	NON-CORE	Supervise Crew-Served Weapons (CSW) range operations
E5	NON-CORE	Supervise explosive safety program operations
E6	NON-CORE	Supervise force protection personnel
E7	CORE	Supervise fuel systems casualty operations (OTTO FUEL II)
E7	CORE	Supervise Navy personnel conventional Ammunition (ammo) and Explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program operations
E5	CORE	Supervise Non-Combat Expenditure Allocation (NCEA) program operations
E6	NON-CORE	Supervise ordnance damage control personnel
E6	CORE	Supervise ordnance facility inspection evolutions
E5	CORE	Update Monthly Maintenance Plans (MMP) / Monthly Personnel Plan (MPP)
E6	CORE	Validate Monthly Maintenance Plans (MMP) / Monthly Personnel Plan (MPP)
E6	NON-CORE	Verify Coordinated Shipboard Allowance Lists (COSAL)
E6	CORE	Verify Navy personnel conventional ammunition (ammo) and explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program records
E6	CORE	Verify Ordnance Handling Equipment (OHE) operations, maintenance, test and inspection program
E7	CORE	Verify ordnance handling operations

ORDNANCE MAINTENANCE: AIRBORNE WEAPONS SUPPORT EQUIPMENT (AWSE)

Paygrade	Task Type	Task Statements
E5	CORE	Issue Armament Weapons Support Equipment (AWSE)
E4	CORE	Maintain air-nitrogen systems
E4	CORE	Maintain Armament Weapons Support Equipment (AWSE)
E4	CORE	Maintain Electric Explosive (EE) forklifts
E4	CORE	Maintain Material Handling Equipment (MHE)
E4	CORE	Maintain Ordnance Handling Equipment (OHE)
E4	CORE	Maintain Weapons Support Equipment (WSE)
E6	CORE	Manage Material Handling Equipment (MHE) maintenance, test, and inspection program operations
E7	CORE	Manage Material Handling Equipment (MHE) maintenance, test, and inspection programs
E6	CORE	Manage Weapons Support Equipment (WSE) maintenance evolutions
E4	CORE	Perform Armament Weapons Support Equipment (AWSE) pre-operational inspections
E4	CORE	Receive Armament Weapons Support Equipment (AWSE)
E4	CORE	Stow Armament Weapons Support Equipment (AWSE)
E5	CORE	Supervise Armament Weapons Support Equipment (AWSE) maintenance evolutions
E5	CORE	Supervise Material Handling Equipment (MHE) maintenance, tests, and inspections

ORDNANCE MAINTENANCE: AIRBORNE WEAPONS SUPPORT EQUIPMENT (AWSE) (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise Ordnance Handling Equipment (OHE) operations, maintenance, tests and inspections programs
E5	NON-CORE	Supervise pneumatic operations
E5	CORE	Supervise Weapons Support Equipment (WSE) maintenance evolutions
E4	CORE	Transport Armament Weapons Support Equipment (AWSE)

ORDNANCE MAINTENANCE: GUNS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Assemble Crew-Served Weapons (CSW)
E4	NON-CORE	Assemble small arms
E4	NON-CORE	Disassemble Crew-Served Weapons (CSW)
E4	NON-CORE	Disassemble small arms
E6	NON-CORE	Manage Crew-Served gun mount maintenance evolutions
E6	NON-CORE	Manage Crew-Served Weapons (CSW) maintenance evolutions
E5	NON-CORE	Supervise Crew-Served gun mount maintenance evolutions
E5	CORE	Supervise Crew-Served Weapons (CSW) maintenance evolutions

ORDNANCE MAINTENANCE: MAGAZINES/ELEVATORS

Paygrade	Task Type	Task Statements
E4	CORE	Inventory magazines and lockers
E4	CORE	Maintain cargo/weapons elevator systems
E4	CORE	Maintain magazine system components (e.g., safety devices, security alarm systems, sprinkler systems, etc.)
E4	CORE	Maintain magazine systems
E4	CORE	Maintain magazines and Ready Service Lockers (RSL)
E4	CORE	Maintain ordnance facilities
E6	CORE	Manage cargo/weapons elevator maintenance evolutions
E6	CORE	Manage magazine systems maintenance evolutions
E7	CORE	Manage magazine systems maintenance operations
E4	CORE	Perform cargo/weapons elevator pre-operational inspections
E4	CORE	Perform command movement operations (e.g., cargo/weapons elevator systems)
E6	CORE	Prepare ships force cargo/weapons elevator systems maintenance work packages
E6	NON-CORE	Provide cargo/weapons elevator operator training and licensing
E6	CORE	Schedule cargo/weapons elevators maintenance
E6	CORE	Schedule magazine alarm systems maintenance
E7	CORE	Schedule magazine sprinkler systems maintenance
E5	CORE	Supervise cargo/weapons elevator maintenance evolutions
E5	CORE	Supervise command movement operations (e.g., cargo/weapons elevator systems)
E5	CORE	Supervise magazine and locker inventory evolutions
E5	CORE	Supervise magazine systems maintenance evolutions

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E5	CORE	Audit Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Audit ordnance programs
E5	CORE	Conduct Collateral Duty Inspector (CDI) inspections
E6	CORE	Manage Naval Ordnance Management Policy (NOMP)
E6	CORE	Perform Airborne Weapon Changes (AWC)
E5	CORE	Perform ordnance issue and receipt inspections
E5	CORE	Perform procedures for setting Hazards of Electromagnetic Radiation to Ordnance (HERO) conditions
E5	CORE	Perform Quality Assurance Safety Observer (QASO) functions
E5	CORE	Prepare Engineering Investigation (EI) reports
E5	CORE	Prepare explosive mishaps reports
E5	CORE	Prepare Support Equipment (SE) misuse and abuse reports
E6	CORE	Verify explosive mishaps reports
E6	NON-CORE	Verify explosive vehicle operator training and licensing programs
E6	CORE	Verify Naval Aviation Maintenance Programs (NAMP)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Incorporate Technical Directives (TD)
E6	CORE	Manage Airborne Weapons Information Systems (AWIS) program
E7	CORE	Manage ordnance shipping and receiving process
E4	NON-CORE	Perform Coordinated Shipboard Allowance Lists (COSAL) inventories
E4	NON-CORE	Perform Shore-based Consolidated Allowance List (SHORCAL) inventories
E5	NON-CORE	Prepare Individual Component Repair List (ICRL) change requests
E5	NON-CORE	Prepare Individual Material Readiness List (IMRL) change requests
E7	NON-CORE	Prepare magazine Ship Alterations (SHIPALT) requests
E5	CORE	Prepare ordnance shipping and receiving documents
E5	CORE	Prepare ordnance status reports (e.g., load-out, serviceable, etc.)
E5	CORE	Prepare small arms firings reports
E7	CORE	Prepare waiver exemption, deviation, and secretarial certification correspondence
E7	NON-CORE	Process small arms firing reports
E5	NON-CORE	Provide explosive vehicle operator training and licensing
E5	NON-CORE	Supervise Shore-based Consolidated Allowance Lists (SHORCAL) inventory evolutions
E5	CORE	Update Airborne Weapons Information Systems (AWIS) data
E5	CORE	Update Navy personnel conventional ammunition (ammo) and explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program records
E6	CORE	Update ordnance administrative documents
E6	NON-CORE	Verify Individual Component Repair List (ICRL) change requests
E6	NON-CORE	Verify Individual Material Readiness List (IMRL) change requests
E7	NON-CORE	Verify magazine Ship Alterations (SHIPALT) requests

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Verify Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reports
E6	CORE	Verify ordnance reports
E6	CORE	Verify ordnance shipping and receiving documents
E6	NON-CORE	Verify Shore-based Consolidated Allowance Lists (SHORCAL)
E6	NON-CORE	Verify small arms firing reports

WEAPONS HANDLING

Paygrade	Task Type	Task Statements
E4	CORE	Arm aircraft weapons systems
E4	CORE	Assemble bombs
E4	CORE	Assemble expendable countermeasures
E4	CORE	Assemble mines
E4	CORE	Assemble missiles
E4	CORE	Assemble Precision Guided Munitions (PGM)
E4	CORE	Assemble rockets
E4	CORE	Assemble torpedoes
E5	CORE	Conduct weapons operational inspections
E5	CORE	Conduct weapons transfer and acceptance inspections
E4	CORE	Disassemble bombs
E4	CORE	Disassemble expendable countermeasures
E4	CORE	Disassemble mines
E4	CORE	Disassemble missiles
E4	CORE	Disassemble Precision Guided Munitions (PGM)
E4	CORE	Disassemble rockets
E4	CORE	Disassemble torpedoes
E4	CORE	Download ammunition
E4	CORE	Download Crew-Served Weapons (CSW)
E4	CORE	Download expendable countermeasures
E4	CORE	Download Precision Guided Munitions (PGM)
E4	CORE	Download rockets
E4	CORE	Download small arms
E4	CORE	Install Cartridge Actuated Devices (CAD)
E4	CORE	Inventory Arms, Ammunition and Explosives (AA&E)
E4	CORE	Inventory ordnance
E5	CORE	Issue aircraft egress system explosives
E5	CORE	Issue containerized explosives
E4	CORE	Load ammunition
E4	CORE	Load Crew-Served Weapons (CSW)
E4	CORE	Load expendable countermeasures
E4	CORE	Load Precision Guided Munitions (PGM)

WEAPONS HANDLING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Load rockets
E4	CORE	Load small arms
E4	CORE	Maintain Landing Force Operational Reserve Material (LFORM)
E4	CORE	Maintain ordnance
E6	CORE	Manage fleet sentencing evolutions
E6	CORE	Manage ordnance inspection evolutions
E4	CORE	Operate pneumatic systems
E4	CORE	Operate small arms
E4	NON-CORE	Perform Crew-Served Weapons (CSW) casualty drills
E5	NON-CORE	Perform fleet sentencing
E4	CORE	Perform ordnance evolutions
E4	CORE	Perform ordnance inspections
E4	CORE	Perform ordnance strike-up/strike-down procedures
E4	CORE	Receive aircraft egress systems explosives
E4	CORE	Receive containerized explosives
E4	CORE	Remove Cartridge Actuated Devices (CAD)
E4	CORE	Stow aircraft egress systems explosives
E4	CORE	Stow ammunition (Explosive Ordnance Disposal (EOD)/Other Country)
E4	CORE	Stow bombs
E4	CORE	Stow Cartridge Actuated Devices (CAD)
E4	CORE	Stow containerized explosives
E4	NON-CORE	Stow Crew-Served Weapons (CSW)
E4	CORE	Stow expendable countermeasures
E4	CORE	Stow mines
E4	CORE	Stow missiles
E4	CORE	Stow Precision Guided Munitions (PGM)
E4	CORE	Stow pyrotechnics
E4	CORE	Stow rockets
E4	CORE	Stow small arms
E4	CORE	Stow sonobuoys
E4	CORE	Stow Sound Underwater Signals (SUS)
E4	CORE	Stow Tactical Air Launched Decoys (TALD)
E4	CORE	Stow torpedoes
E5	CORE	Supervise ammunition inventory evolutions
E5	CORE	Supervise arm and de-arm evolutions
E5	NON-CORE	Supervise Crew-Served Weapons (CSW) casualty drill evolutions
E6	NON-CORE	Supervise fleet sentencing evolutions
E5	CORE	Supervise ordnance evolutions

WEAPONS HANDLING (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise ordnance handling operations
E5	CORE	Supervise ordnance inspection evolutions
E5	NON-CORE	Supervise small arms range evolutions
E4	CORE	Transport bombs
E4	CORE	Transport Cartridge Actuated Devices (CAD)
E4	CORE	Transport containerized explosives
E4	CORE	Transport Crew-Served Weapons (CSW)
E4	CORE	Transport expendable countermeasures
E4	CORE	Transport mines
E4	CORE	Transport missiles
E4	CORE	Transport Precision Guided Munitions (PGM)
E4	CORE	Transport pyrotechnics
E4	CORE	Transport rockets
E4	CORE	Transport small arms
E4	CORE	Transport sonobuoys
E4	CORE	Transport Sound Underwater Signals (SUS)
E4	CORE	Transport Tactical Air Launched Decoys (TALD)
E4	CORE	Transport torpedoes

WEAPONS SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Maintain grounding devices
E4	CORE	Maintain jettison ramps
E6	CORE	Manage weapon systems functional checks evolutions
E4	CORE	Perform weapon systems functional checks
E7	NON-CORE	Schedule depot-level maintenance
E5	CORE	Supervise weapon systems functional checks evolutions

Job Title **Job Code**

Ammunition Logistics Manager 002183

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	AMMUNITION LOGISTICS MANAGER	AMMO LOG MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AO	NEC DXXX, EXXX, 7XXX series and other NECs as assigned

Job Description

Ammunition Logistics Managers serve as the ammunition accountant and under limited supervision, prepare and maintain ammunition records and ammunition transaction reports; receive, inspect, store, and issue ammunition; and conduct inventories.

DoD Relationship

Group Title	*DoD Code*
Aviation Ordnance	164600

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Transportation, Storage, and Distribution Managers	11-3071.00	Management

Skills	Abilities
Quality Control Analysis	*Written Comprehension*
Monitoring	*Inductive Reasoning*
Critical Thinking	*Written Expression*
Writing	*Problem Sensitivity*
Reading Comprehension	*Deductive Reasoning*
Judgment and Decision Making	*Information Ordering*
Management of Material Resources	*Selective Attention*
Operation and Control	*Manual Dexterity*
Troubleshooting	*Memorization*
Active Listening	*Oral Expression*

MANAGEMENT AND SUPERVISION

Paygrade	Task Type	Task Statements
E7	CORE	Audit ordnance allowance accounts
E6	CORE	Manage ammunition inventory evolutions
E7	CORE	Manage Arms, Ammunition, and Explosives (AA&E) programs
E6	CORE	Manage explosive safety program operations
E7	CORE	Manage explosive safety programs
E6	CORE	Manage magazine and locker inventory program operations
E7	CORE	Manage magazine and locker inventory programs
E7	CORE	Manage Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reporting process
E6	CORE	Manage Non-Combat Expenditure Allocation (NCEA) program operations
E7	CORE	Manage Non-Combat Expenditure Allocation (NCEA) programs
E7	NON-CORE	Manage ordnance damage control operations
E6	CORE	Manage ordnance inventories
E7	CORE	Manage ordnance inventory operations
E7	CORE	Manage ordnance programs
E7	CORE	Manage ordnance reporting process
E6	CORE	Manage ordnance reports
E7	NON-CORE	Manage waiver exemption, deviation, and secretarial certification process
E7	NON-CORE	Oversee explosive handling qualification and certification boards
E5	CORE	Supervise Arms, Ammunition, and Explosives (AA&E) program operations
E5	NON-CORE	Supervise explosive safety program operations

MANAGEMENT AND SUPERVISION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Supervise Navy personnel conventional Ammunition (ammo) and Explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program operations
E5	CORE	Supervise Non-Combat Expenditure Allocation (NCEA) program operations
E6	NON-CORE	Supervise ordnance damage control personnel
E6	CORE	Verify Navy personnel conventional ammunition (ammo) and explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program records
E6	CORE	Verify ordnance allowance accounts
E7	CORE	Verify ordnance requisitions

ORDNANCE MAINTENANCE: MAGAZINES/ELEVATORS

Paygrade	Task Type	Task Statements
E5	CORE	Supervise magazine and locker inventory evolutions

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E6	CORE	Audit ordnance programs
E6	CORE	Manage Naval Ordnance Management Policy (NOMP)
E6	CORE	Perform Airborne Weapon Changes (AWC)
E5	NON-CORE	Perform aircraft transfer and acceptance inspections
E6	CORE	Verify explosive mishaps reports

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Document captive carry flight hours
E7	CORE	Manage ordnance shipping and receiving process
E5	CORE	Prepare ammunition reports
E6	CORE	Prepare ordnance preposition messages
E5	CORE	Prepare ordnance requisitions
E5	CORE	Prepare ordnance shipping and receiving documents
E5	CORE	Prepare ordnance status reports (e.g., load-out, serviceable, etc.)
E7	CORE	Prepare waiver exemption, deviation, and secretarial certification correspondence
E6	CORE	Process ordnance requisitions
E5	CORE	Update Navy personnel conventional ammunition (ammo) and explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program records
E6	CORE	Update ordnance administrative documents
E6	CORE	Verify Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reports
E6	CORE	Verify ordnance reports
E6	CORE	Verify ordnance shipping and receiving documents
E6	NON-CORE	Verify small arms firing reports

WEAPONS HANDLING

Paygrade	Task Type	Task Statements
E4	CORE	Inventory Arms, Ammunition and Explosives (AA&E)
E4	CORE	Inventory ordnance

WEAPONS HANDLING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Operate small arms
E4	NON-CORE	Perform Crew-Served Weapons (CSW) casualty drills
E5	CORE	Supervise ammunition inventory evolutions
E5	NON-CORE	Supervise Crew-Served Weapons (CSW) casualty drill evolutions

Job Title **Job Code**

Squadron Ordnance Technician 002228

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	SQUADRON ORDNANCE TECHNICIAN	SQDN ORD TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AO	NEC DXXX, EXXX, 7XXX series and other NECs as assigned

Job Description

Squadron Ordnance Technicians perform organizational level maintenance and weapons loading/downloading on fixed and rotary wing aircraft; maintain and inspect airborne weapons and Armament Weapons Support Equipment (AWSE), including aircraft guns, gun accessories, aerial towed target equipment, small arms, ammunition, and weapons Aircraft Armament Systems (AAS); and load and download aircraft gun ammunition, aerial mines, air-launched torpedoes, precision-guided munitions, countermeasures, sonobuoys, pyrotechnics, and air-launched guided missiles.

DoD Relationship

Group Title	*DoD Code*
Aviation Ordnance	164600

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	51-2011.00	Production

Skills	Abilities
Monitoring	*Written Comprehension*
Quality Control Analysis	*Problem Sensitivity*
Equipment Maintenance	*Inductive Reasoning*
Judgment and Decision Making	*Manual Dexterity*
Management of Personnel Resources	*Information Ordering*
Management of Material Resources	*Category Flexibility*
Operation and Control	*Deductive Reasoning*
Installation	*Visualization*
Critical Thinking	*Static Strength*
Reading Comprehension	*Written Expression*

AIRCRAFT ARMAMENT SYSTEMS (AAS)

Paygrade	Task Type	Task Statements
E4	CORE	Assemble Aircraft Armament Systems (AAS)
E4	CORE	Disassemble Aircraft Armament Systems (AAS)
E4	CORE	Inventory Aircraft Armament Systems (AAS)
E4	CORE	Maintain aircraft bomb racks
E4	CORE	Maintain aircraft pylons
E4	CORE	Maintain missile launchers
E4	CORE	Prepare Aircraft Armament Systems (AAS) materials for shipping
E4	CORE	Prepare Aircraft Armament Systems (AAS) reports
E4	CORE	Remove Aircraft Armament Systems (AAS)
E5	CORE	Supervise Aircraft Armament Systems (AAS) inventory evolutions
E5	CORE	Supervise Aircraft Armament Systems (AAS) maintenance evolutions
E4	CORE	Transport Aircraft Armament Systems (AAS)
E6	CORE	Verify Aircraft Armament Systems (AAS) materials for shipping reports
E6	CORE	Verify Aircraft Armament Systems (AAS) reports

MANAGEMENT AND SUPERVISION

Paygrade	Task Type	Task Statements
E7	CORE	Audit ordnance allowance accounts
E7	CORE	Brief ordnance status to Explosive Ordnance Disposal (EOD) teams (e.g., mishaps, ordnance conditions, etc.)

MANAGEMENT AND SUPERVISION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Conduct ordnance operations and evolutions safety briefs
E7	NON-CORE	Coordinate forward base communications
E7	NON-CORE	Coordinate forward base mode of transportation
E7	CORE	Develop weapons load plans
E6	CORE	Manage Aircraft Armament Systems (AAS) inventory evolutions
E6	CORE	Manage Aircraft Armament Systems (AAS) inventory operations
E6	CORE	Manage Aircraft Armament Systems (AAS) maintenance evolutions
E7	CORE	Manage Aircraft Armament Systems (AAS) maintenance operations
E6	CORE	Manage Aircraft Armament Systems (AAS) materials shipping process
E7	CORE	Manage Aircraft Armament Systems (AAS) reporting process
E7	CORE	Manage aircraft ordnance configuration operations
E6	CORE	Manage ammunition inventory evolutions
E5	NON-CORE	Manage arm and de-arm evolutions
E6	CORE	Manage arm and de-arm operations
E7	CORE	Manage Arms, Ammunition, and Explosives (AA&E) programs
E6	NON-CORE	Manage Crew-Served gun mount maintenance operations
E6	NON-CORE	Manage Crew-Served Weapons (CSW) casualty drill evolutions
E6	NON-CORE	Manage Crew-Served Weapons (CSW) maintenance operations
E6	NON-CORE	Manage Crew-Served Weapons (CSW) range evolutions
E7	NON-CORE	Manage Crew-Served Weapons (CSW) range operations
E7	CORE	Manage explosive safety mishaps reporting process
E6	CORE	Manage explosive safety program operations
E7	CORE	Manage explosive safety programs
E6	NON-CORE	Manage explosive vehicle operator training and licensing programs
E7	NON-CORE	Manage force protection operations
E7	NON-CORE	Manage Forward Arming Refueling Point (FARP) operations
E7	NON-CORE	Manage forward base security requirements operations
E6	NON-CORE	Manage Individual Material Readiness List (IMRL) change request process
E6	CORE	Manage magazine and locker inventory program operations
E7	CORE	Manage magazine and locker inventory programs
E7	CORE	Manage Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reporting process
E7	CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Manage Non-Combat Expenditure Allocation (NCEA) program operations
E7	CORE	Manage Non-Combat Expenditure Allocation (NCEA) programs
E7	NON-CORE	Manage ordnance damage control operations
E6	CORE	Manage ordnance evolutions
E7	CORE	Manage ordnance facility inspection operations
E7	CORE	Manage Ordnance Handling Equipment (OHE) operations, maintenance, test and inspection programs
E6	CORE	Manage ordnance handling operations

MANAGEMENT AND SUPERVISION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage ordnance inspection operations
E6	CORE	Manage ordnance inventories
E7	CORE	Manage ordnance inventory operations
E7	CORE	Manage ordnance operations
E7	CORE	Manage ordnance reporting process
E6	CORE	Manage ordnance reports
E6	NON-CORE	Manage Shore-based Consolidated Allowance Lists (SHORCAL)
E5	CORE	Manage Single Hoist Ordnance Loading Systems (SHOLS) inventory evolutions
E6	CORE	Manage Single Hoist Ordnance Loading Systems (SHOLS) inventory operations
E5	CORE	Manage Single Hoist Ordnance Loading Systems (SHOLS) maintenance evolutions
E7	CORE	Manage Single Hoist Ordnance Loading Systems (SHOLS) maintenance operations
E6	NON-CORE	Manage small arms range evolutions
E7	NON-CORE	Manage small arms range operations
E7	NON-CORE	Manage waiver exemption, deviation, and secretarial certification process
E6	CORE	Manage weapon systems functional checks operations
E7	CORE	Manage weapon systems Release and Control (R&C) checks program
E5	CORE	Manage Weapons Support Equipment (WSE) maintenance operations
E7	NON-CORE	Oversee explosive handling qualification and certification boards
E7	NON-CORE	Plan Crew-Served Weapons (CSW) casualty drills
E7	CORE	Prepare aircraft load plans
E5	CORE	Supervise aircraft ordnance configuration board updates
E5	CORE	Supervise Arms, Ammunition, and Explosives (AA&E) program operations
E6	NON-CORE	Supervise Crew-Served Weapons (CSW) range operations
E5	NON-CORE	Supervise explosive safety program operations
E6	NON-CORE	Supervise force protection personnel
E7	CORE	Supervise fuel systems casualty operations (OTTO FUEL II)
E7	CORE	Supervise Navy personnel conventional Ammunition (ammo) and Explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program operations
E5	CORE	Supervise Non-Combat Expenditure Allocation (NCEA) program operations
E6	NON-CORE	Supervise ordnance damage control personnel
E6	CORE	Supervise ordnance facility inspection evolutions
E5	CORE	Update Monthly Maintenance Plans (MMP) / Monthly Personnel Plan (MPP)
E6	CORE	Validate Monthly Maintenance Plans (MMP) / Monthly Personnel Plan (MPP)
E6	CORE	Verify aircraft ordnance configuration board updates
E6	CORE	Verify Navy personnel conventional ammunition (ammo) and explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program records
E6	CORE	Verify ordnance allowance accounts
E6	CORE	Verify Ordnance Handling Equipment (OHE) operations, maintenance, test and inspection program
E7	CORE	Verify ordnance handling operations
E7	CORE	Verify ordnance requisitions

ORDNANCE MAINTENANCE: AIRBORNE WEAPONS SUPPORT EQUIPMENT (AWSE)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain air-nitrogen systems
E4	CORE	Maintain Armament Weapons Support Equipment (AWSE)
E4	CORE	Maintain Material Handling Equipment (MHE)
E4	CORE	Maintain Ordnance Handling Equipment (OHE)
E4	CORE	Maintain Single Hoist Ordnance Loading Systems (SHOLS)
E4	CORE	Maintain Weapons Support Equipment (WSE)
E7	CORE	Manage Material Handling Equipment (MHE) maintenance, test, and inspection programs
E6	CORE	Manage Weapons Support Equipment (WSE) maintenance evolutions
E4	CORE	Perform Armament Weapons Support Equipment (AWSE) pre-operational inspections
E4	CORE	Perform Single Hoist Ordnance Loading Systems (SHOLS) inventories
E4	CORE	Receive Armament Weapons Support Equipment (AWSE)
E4	CORE	Stow Armament Weapons Support Equipment (AWSE)
E5	CORE	Supervise Armament Weapons Support Equipment (AWSE) maintenance evolutions
E5	CORE	Supervise Material Handling Equipment (MHE) maintenance, tests, and inspections
E5	CORE	Supervise Ordnance Handling Equipment (OHE) operations, maintenance, tests and inspections programs
E5	NON-CORE	Supervise pneumatic operations
E5	CORE	Supervise Single Hoist Ordnance Loading Systems (SHOLS) inventory evolutions
E5	CORE	Supervise Single Hoist Ordnance Loading Systems (SHOLS) maintenance evolutions
E5	CORE	Supervise Weapons Support Equipment (WSE) maintenance evolutions
E4	CORE	Transport Armament Weapons Support Equipment (AWSE)

ORDNANCE MAINTENANCE: GUNS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Assemble Crew-Served Weapons (CSW)
E4	NON-CORE	Assemble small arms
E4	NON-CORE	Disassemble Crew-Served Weapons (CSW)
E4	NON-CORE	Disassemble small arms
E4	CORE	Maintain aircraft gun systems
E4	NON-CORE	Maintain Crew-Served Weapons (CSW)
E4	NON-CORE	Maintain Crew-Served Weapons (CSW) mounts
E6	NON-CORE	Manage Crew-Served gun mount maintenance evolutions
E6	NON-CORE	Manage Crew-Served Weapons (CSW) maintenance evolutions
E5	NON-CORE	Supervise Crew-Served gun mount maintenance evolutions
E5	CORE	Supervise Crew-Served Weapons (CSW) maintenance evolutions
E6	CORE	Verify aircraft gun systems status reports

ORDNANCE MAINTENANCE: MAGAZINES/ELEVATORS

Paygrade	Task Type	Task Statements
E4	CORE	Inventory magazines and lockers
E4	CORE	Maintain magazines and Ready Service Lockers (RSL)

ORDNANCE MAINTENANCE: MAGAZINES/ELEVATORS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain ordnance facilities
E5	CORE	Supervise magazine and locker inventory evolutions

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E5	CORE	Audit Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Audit ordnance programs
E5	CORE	Certify ordnance load-outs Safe for Flight (SFF)
E5	CORE	Conduct Collateral Duty Inspector (CDI) inspections
E6	CORE	Conduct Quality Assurance (QA) aircraft inspections
E6	CORE	Manage Naval Ordnance Management Policy (NOMP)
E6	CORE	Perform Airborne Weapon Changes (AWC)
E5	NON-CORE	Perform aircraft transfer and acceptance inspections
E4	CORE	Perform aircraft turnaround inspections
E5	CORE	Perform ordnance issue and receipt inspections
E5	CORE	Perform procedures for setting Hazards of Electromagnetic Radiation to Ordnance (HERO) conditions
E5	CORE	Perform Quality Assurance Safety Observer (QASO) functions
E5	CORE	Prepare Engineering Investigation (EI) reports
E5	CORE	Prepare explosive mishaps reports
E5	CORE	Prepare Support Equipment (SE) misuse and abuse reports
E7	NON-CORE	Release aircraft Safe for Flight
E6	CORE	Verify explosive mishaps reports
E6	NON-CORE	Verify explosive vehicle operator training and licensing programs
E6	CORE	Verify Naval Aviation Maintenance Programs (NAMP)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Document captive carry flight hours
E4	CORE	Incorporate Technical Directives (TD)
E6	CORE	Manage Airborne Weapons Information Systems (AWIS) program
E7	NON-CORE	Manage Crew-Served Weapons (CSW) firing reporting process
E7	CORE	Manage firing reporting process
E7	CORE	Manage ordnance shipping and receiving process
E4	NON-CORE	Perform Shore-based Consolidated Allowance List (SHORCAL) inventories
E5	CORE	Prepare ammunition reports
E5	NON-CORE	Prepare Crew-Served Weapons (CSW) fire reports
E6	CORE	Prepare firing reports
E5	NON-CORE	Prepare Individual Component Repair List (ICRL) change requests
E5	NON-CORE	Prepare Individual Material Readiness List (IMRL) change requests
E6	CORE	Prepare ordnance preposition messages
E5	CORE	Prepare ordnance requisitions

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Prepare ordnance shipping and receiving documents
E5	CORE	Prepare ordnance status reports (e.g., load-out, serviceable, etc.)
E5	CORE	Prepare small arms firings reports
E7	CORE	Prepare waiver exemption, deviation, and secretarial certification correspondence
E6	CORE	Process ordnance requisitions
E7	NON-CORE	Process small arms firing reports
E5	NON-CORE	Provide explosive vehicle operator training and licensing
E5	NON-CORE	Supervise Shore-based Consolidated Allowance Lists (SHORCAL) inventory evolutions
E5	CORE	Update Airborne Weapons Information Systems (AWIS) data
E5	CORE	Update Navy personnel conventional ammunition (ammo) and explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program records
E6	CORE	Update ordnance administrative documents
E6	NON-CORE	Verify Crew-Served Weapons (CSW) fire reports
E6	CORE	Verify firing reports
E6	NON-CORE	Verify Individual Component Repair List (ICRL) change requests
E6	NON-CORE	Verify Individual Material Readiness List (IMRL) change requests
E6	CORE	Verify Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reports
E6	CORE	Verify ordnance reports
E6	CORE	Verify ordnance shipping and receiving documents
E6	NON-CORE	Verify Shore-based Consolidated Allowance Lists (SHORCAL)
E6	NON-CORE	Verify small arms firing reports

WEAPONS HANDLING

Paygrade	Task Type	Task Statements
E4	CORE	Arm aircraft weapons systems
E4	CORE	Assemble aerial targets
E4	CORE	Assemble bombs
E4	CORE	Assemble expendable countermeasures
E4	CORE	Assemble missiles
E4	CORE	Assemble pyrotechnics
E5	CORE	Conduct weapons operational inspections
E5	CORE	Conduct weapons transfer and acceptance inspections
E4	CORE	De-arm weapons systems
E4	CORE	Disassemble aerial targets
E4	CORE	Disassemble bombs
E4	CORE	Disassemble expendable countermeasures
E4	CORE	Disassemble missiles
E4	CORE	Disassemble pyrotechnics
E4	CORE	Download aerial targets
E4	CORE	Download ammunition

WEAPONS HANDLING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Download bombs
E4	CORE	Download Cartridge Actuated Devices (CAD)
E4	CORE	Download Crew-Served Weapons (CSW)
E4	CORE	Download expendable countermeasures
E4	CORE	Download mines
E4	CORE	Download missiles
E4	CORE	Download Precision Guided Munitions (PGM)
E4	CORE	Download pyrotechnics
E4	CORE	Download rockets
E4	CORE	Download small arms
E4	CORE	Download sonobuoys
E4	CORE	Download Sound Underwater Signals (SUS)
E4	CORE	Download Tactical Air Launched Decoys (TALD)
E4	CORE	Download torpedoes
E4	CORE	Install Cartridge Actuated Devices (CAD)
E4	CORE	Inventory Arms, Ammunition and Explosives (AA&E)
E4	CORE	Inventory ordnance
E5	CORE	Issue aircraft egress system explosives
E4	CORE	Load aerial targets
E4	CORE	Load ammunition
E4	CORE	Load bombs
E4	CORE	Load Crew-Served Weapons (CSW)
E4	CORE	Load expendable countermeasures
E4	CORE	Load mines
E4	CORE	Load missiles
E4	CORE	Load Precision Guided Munitions (PGM)
E4	CORE	Load pyrotechnics
E4	CORE	Load rockets
E4	CORE	Load small arms
E4	CORE	Load sonobuoys
E4	CORE	Load Sound Underwater Signals (SUS)
E4	CORE	Load Tactical Air Launched Decoys (TALD)
E4	CORE	Load torpedoes
E4	CORE	Maintain Night Vision Optics (NVO) equipment
E4	CORE	Maintain ordnance
E6	CORE	Manage ordnance inspection evolutions
E4	CORE	Operate pneumatic systems
E4	CORE	Operate small arms
E4	NON-CORE	Perform Crew-Served Weapons (CSW) casualty drills
E4	CORE	Perform ordnance evolutions

WEAPONS HANDLING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform ordnance inspections
E4	CORE	Perform ordnance strike-up/strike-down procedures
E4	CORE	Receive aircraft egress systems explosives
E4	CORE	Receive containerized explosives
E4	CORE	Recover aerial targets
E4	CORE	Remove Cartridge Actuated Devices (CAD)
E4	CORE	Stow aircraft egress systems explosives
E4	CORE	Stow ammunition (Explosive Ordnance Disposal (EOD)/Other Country)
E4	CORE	Stow bombs
E4	CORE	Stow Cartridge Actuated Devices (CAD)
E4	CORE	Stow containerized explosives
E4	NON-CORE	Stow Crew-Served Weapons (CSW)
E4	CORE	Stow expendable countermeasures
E4	CORE	Stow mines
E4	CORE	Stow missiles
E4	CORE	Stow Precision Guided Munitions (PGM)
E4	CORE	Stow pyrotechnics
E4	CORE	Stow rockets
E4	CORE	Stow small arms
E4	CORE	Stow sonobuoys
E4	CORE	Stow Sound Underwater Signals (SUS)
E4	CORE	Stow Tactical Air Launched Decoys (TALD)
E4	CORE	Stow torpedoes
E5	CORE	Supervise ammunition inventory evolutions
E5	CORE	Supervise arm and de-arm evolutions
E5	NON-CORE	Supervise Crew-Served Weapons (CSW) casualty drill evolutions
E5	CORE	Supervise ordnance evolutions
E5	CORE	Supervise ordnance handling operations
E5	CORE	Supervise ordnance inspection evolutions
E5	NON-CORE	Supervise small arms range evolutions
E4	CORE	Transport aerial targets
E4	CORE	Transport bombs
E4	CORE	Transport Cartridge Actuated Devices (CAD)
E4	CORE	Transport containerized explosives
E4	CORE	Transport Crew-Served Weapons (CSW)
E4	CORE	Transport expendable countermeasures
E4	CORE	Transport mines
E4	CORE	Transport missiles
E4	CORE	Transport Precision Guided Munitions (PGM)
E4	CORE	Transport pyrotechnics

WEAPONS HANDLING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Transport rockets
E4	CORE	Transport small arms
E4	CORE	Transport sonobuoys
E4	CORE	Transport Sound Underwater Signals (SUS)
E4	CORE	Transport Tactical Air Launched Decoys (TALD)
E4	CORE	Transport torpedoes

WEAPONS SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Document maintenance actions
E4	CORE	Install Aircraft Armament Systems (AAS)
E4	CORE	Maintain aircrafts for loading evolutions
E4	CORE	Maintain grounding devices
E6	CORE	Manage weapon systems functional checks evolutions
E6	CORE	Manage weapon systems release and control checks evolutions
E4	CORE	Perform weapon systems functional checks
E4	CORE	Perform weapon systems release and control checks
E5	CORE	Supervise weapon systems functional checks evolutions
E5	CORE	Supervise weapon systems release and control checks evolutions

Job Title **Job Code**

Aviation Ordnance Quality Assurance Safety Supervisor 002273

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Architecture and Engineering	TBD	AVIATION ORDNANCE QA SUP	AO QA SUPV

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AO	NEC DXXX, EXXX, 7XXX series and other NECs as assigned

Job Description

Aviation Ordnance Quality Assurance Safety Supervisors inform personnel of the hazards of ammunition, explosives, safety principles, and practices outlined in applicable governing directives; train personnel on safe operating procedures; and conduct, manage, and monitor the Quality Assurance (QA) programs and the inspection/certification of ship and shore-based weapons.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Aviation Ordnance	164600	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	17-2111.00	Architecture and Engineering

Skills	Abilities
Monitoring	*Written Comprehension*
Quality Control Analysis	*Problem Sensitivity*
Equipment Maintenance	*Manual Dexterity*
Judgment and Decision Making	*Category Flexibility*
Management of Personnel Resources	*Visualization*
Management of Material Resources	*Inductive Reasoning*
Time Management	*Information Ordering*
Operation and Control	*Deductive Reasoning*
Active Listening	*Static Strength*
Critical Thinking	*Selective Attention*

AIRCRAFT ARMAMENT SYSTEMS (AAS)

Paygrade	Task Type	Task Statements
E4	CORE	Prepare Aircraft Armament Systems (AAS) materials for shipping

MANAGEMENT AND SUPERVISION

Paygrade	Task Type	Task Statements
E7	CORE	Brief ordnance status to Explosive Ordnance Disposal (EOD) teams (e.g., mishaps, ordnance conditions, etc.)
E5	CORE	Conduct ordnance operations and evolutions safety briefs
E7	NON-CORE	Coordinate forward base mode of transportation
E7	CORE	Designate forward weapons assembly areas
E7	CORE	Develop explosive safety routes
E6	CORE	Manage Aircraft Armament Systems (AAS) materials shipping process
E7	CORE	Manage aircraft ordnance configuration operations
E6	CORE	Manage ammunition inventory evolutions
E5	NON-CORE	Manage arm and de-arm evolutions
E6	CORE	Manage arm and de-arm operations
E7	CORE	Manage Arms, Ammunition, and Explosives (AA&E) programs
E6	NON-CORE	Manage Crew-Served gun mount maintenance operations
E6	NON-CORE	Manage Crew-Served Weapons (CSW) casualty drill evolutions
E6	NON-CORE	Manage Crew-Served Weapons (CSW) maintenance operations
E7	CORE	Manage explosive safety mishaps reporting process
E6	CORE	Manage explosive safety program operations

MANAGEMENT AND SUPERVISION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage explosive safety programs
E6	NON-CORE	Manage explosive vehicle operator training and licensing programs
E6	CORE	Manage fleet sentencing operations
E7	NON-CORE	Manage Forward Arming Refueling Point (FARP) operations
E6	CORE	Manage magazine and locker inventory program operations
E7	CORE	Manage magazine and locker inventory programs
E7	CORE	Manage Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reporting process
E7	CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E7	NON-CORE	Manage ordnance damage control operations
E6	CORE	Manage ordnance evolutions
E7	CORE	Manage ordnance facility inspection operations
E7	CORE	Manage Ordnance Handling Equipment (OHE) operations, maintenance, test and inspection programs
E6	CORE	Manage ordnance handling operations
E6	CORE	Manage ordnance inspection operations
E6	CORE	Manage ordnance inventories
E7	CORE	Manage ordnance inventory operations
E7	CORE	Manage ordnance operations
E7	CORE	Manage ordnance programs
E7	CORE	Manage ordnance reporting process
E6	CORE	Manage ordnance reports
E5	CORE	Manage Single Hoist Ordnance Loading Systems (SHOLS) maintenance evolutions
E7	CORE	Manage Single Hoist Ordnance Loading Systems (SHOLS) maintenance operations
E7	NON-CORE	Manage waiver exemption, deviation, and secretarial certification process
E6	CORE	Manage weapon systems functional checks operations
E7	NON-CORE	Oversee explosive handling qualification and certification boards
E7	NON-CORE	Plan Crew-Served Weapons (CSW) casualty drills
E5	CORE	Supervise aircraft ordnance configuration board updates
E5	CORE	Supervise Arms, Ammunition, and Explosives (AA&E) program operations
E5	NON-CORE	Supervise explosive safety program operations
E7	CORE	Supervise fuel systems casualty operations (OTTO FUEL II)
E7	CORE	Supervise Navy personnel conventional Ammunition (ammo) and Explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program operations
E6	NON-CORE	Supervise ordnance damage control personnel
E6	CORE	Supervise ordnance facility inspection evolutions
E5	CORE	Update Monthly Maintenance Plans (MMP) / Monthly Personnel Plan (MPP)
E6	CORE	Validate Monthly Maintenance Plans (MMP) / Monthly Personnel Plan (MPP)
E6	CORE	Verify aircraft ordnance configuration board updates
E6	CORE	Verify Navy personnel conventional ammunition (ammo) and explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program records

MANAGEMENT AND SUPERVISION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Verify Ordnance Handling Equipment (OHE) operations, maintenance, test and inspection program
E7	CORE	Verify ordnance handling operations

ORDNANCE MAINTENANCE: AIRBORNE WEAPONS SUPPORT EQUIPMENT (AWSE)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Armament Weapons Support Equipment (AWSE) pre-operational inspections
E5	NON-CORE	Supervise pneumatic operations
E4	CORE	Transport Armament Weapons Support Equipment (AWSE)

ORDNANCE MAINTENANCE: GUNS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Assemble small arms
E4	NON-CORE	Disassemble small arms
E4	NON-CORE	Maintain Crew-Served Weapons (CSW)
E6	NON-CORE	Manage Crew-Served gun mount maintenance evolutions
E6	NON-CORE	Manage Crew-Served Weapons (CSW) maintenance evolutions
E5	NON-CORE	Supervise Crew-Served gun mount maintenance evolutions
E5	CORE	Supervise Crew-Served Weapons (CSW) maintenance evolutions

ORDNANCE MAINTENANCE: MAGAZINES/ELEVATORS

Paygrade	Task Type	Task Statements
E5	CORE	Supervise magazine and locker inventory evolutions

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E5	CORE	Audit Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Audit ordnance programs
E5	CORE	Certify ordnance load-outs Safe for Flight (SFF)
E5	CORE	Conduct Collateral Duty Inspector (CDI) inspections
E6	CORE	Conduct Quality Assurance (QA) aircraft inspections
E6	CORE	Manage Naval Ordnance Management Policy (NOMP)
E6	CORE	Perform Airborne Weapon Changes (AWC)
E5	NON-CORE	Perform aircraft transfer and acceptance inspections
E4	CORE	Perform aircraft turnaround inspections
E5	CORE	Perform ordnance issue and receipt inspections
E5	CORE	Perform Quality Assurance Safety Observer (QASO) functions
E5	CORE	Prepare Engineering Investigation (EI) reports
E5	CORE	Prepare explosive mishaps reports
E5	CORE	Prepare Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reports
E5	CORE	Prepare Support Equipment (SE) misuse and abuse reports
E7	NON-CORE	Release aircraft Safe for Flight
E6	CORE	Verify explosive mishaps reports

QUALITY ASSURANCE (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Verify explosive vehicle operator training and licensing programs
E6	CORE	Verify Naval Aviation Maintenance Programs (NAMP)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	CORE	Manage Airborne Weapons Information Systems (AWIS) program
E5	CORE	Prepare ordnance status reports (e.g., load-out, serviceable, etc.)
E5	CORE	Prepare small arms firings reports
E7	CORE	Prepare waiver exemption, deviation, and secretarial certification correspondence
E5	NON-CORE	Provide explosive vehicle operator training and licensing
E5	CORE	Update Navy personnel conventional ammunition (ammo) and explosives (AE) handling Qualifications and Certifications (QUAL/CERT) program records
E6	CORE	Update ordnance administrative documents
E6	CORE	Verify Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) reports
E6	CORE	Verify ordnance reports
E6	CORE	Verify ordnance shipping and receiving documents

WEAPONS HANDLING

Paygrade	Task Type	Task Statements
E4	CORE	Arm aircraft weapons systems
E4	CORE	Assemble aerial targets
E4	CORE	Assemble bombs
E4	CORE	Assemble expendable countermeasures
E4	CORE	Assemble mines
E4	CORE	Assemble missiles
E4	CORE	Assemble Precision Guided Munitions (PGM)
E4	CORE	Assemble pyrotechnics
E4	CORE	Assemble rockets
E4	CORE	Assemble torpedoes
E5	CORE	Conduct weapons operational inspections
E5	CORE	Conduct weapons transfer and acceptance inspections
E4	CORE	De-arm weapons systems
E4	CORE	Disassemble aerial targets
E4	CORE	Disassemble bombs
E4	CORE	Disassemble expendable countermeasures
E4	CORE	Disassemble mines
E4	CORE	Disassemble missiles
E4	CORE	Disassemble Precision Guided Munitions (PGM)
E4	CORE	Disassemble pyrotechnics
E4	CORE	Disassemble rockets
E4	CORE	Disassemble torpedoes
E4	CORE	Download aerial targets

WEAPONS HANDLING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Download ammunition
E4	CORE	Download bombs
E4	CORE	Download Cartridge Actuated Devices (CAD)
E4	CORE	Download Crew-Served Weapons (CSW)
E4	CORE	Download expendable countermeasures
E4	CORE	Download mines
E4	CORE	Download missiles
E4	CORE	Download Precision Guided Munitions (PGM)
E4	CORE	Download pyrotechnics
E4	CORE	Download rockets
E4	CORE	Download small arms
E4	CORE	Download sonobuoys
E4	CORE	Download Sound Underwater Signals (SUS)
E4	CORE	Download Tactical Air Launched Decoys (TALD)
E4	CORE	Download torpedoes
E4	CORE	Install Cartridge Actuated Devices (CAD)
E4	CORE	Inventory Arms, Ammunition and Explosives (AA&E)
E4	CORE	Inventory ordnance
E5	CORE	Issue aircraft egress system explosives
E5	CORE	Issue containerized explosives
E4	CORE	Load aerial targets
E4	CORE	Load bombs
E4	CORE	Load Crew-Served Weapons (CSW)
E4	CORE	Load expendable countermeasures
E4	CORE	Load mines
E4	CORE	Load missiles
E4	CORE	Load Precision Guided Munitions (PGM)
E4	CORE	Load pyrotechnics
E4	CORE	Load rockets
E4	CORE	Load small arms
E4	CORE	Load sonobuoys
E4	CORE	Load Sound Underwater Signals (SUS)
E4	CORE	Load Tactical Air Launched Decoys (TALD)
E4	CORE	Load torpedoes
E4	CORE	Maintain Landing Force Operational Reserve Material (LFORM)
E4	CORE	Maintain ordnance
E6	CORE	Manage fleet sentencing evolutions
E6	CORE	Manage ordnance inspection evolutions
E4	CORE	Operate pneumatic systems
E4	CORE	Operate small arms

WEAPONS HANDLING (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Perform Crew-Served Weapons (CSW) casualty drills
E5	NON-CORE	Perform fleet sentencing
E4	CORE	Perform ordnance evolutions
E4	CORE	Perform ordnance inspections
E4	CORE	Perform ordnance strike-up/strike-down procedures
E4	CORE	Receive aircraft egress systems explosives
E4	CORE	Receive containerized explosives
E4	CORE	Recover aerial targets
E4	CORE	Remove Cartridge Actuated Devices (CAD)
E4	CORE	Stow aircraft egress systems explosives
E4	CORE	Stow ammunition (Explosive Ordnance Disposal (EOD)/Other Country)
E4	CORE	Stow bombs
E4	CORE	Stow Cartridge Actuated Devices (CAD)
E4	CORE	Stow containerized explosives
E4	NON-CORE	Stow Crew-Served Weapons (CSW)
E4	CORE	Stow expendable countermeasures
E4	CORE	Stow mines
E4	CORE	Stow missiles
E4	CORE	Stow Precision Guided Munitions (PGM)
E4	CORE	Stow pyrotechnics
E4	CORE	Stow rockets
E4	CORE	Stow small arms
E4	CORE	Stow sonobuoys
E4	CORE	Stow Sound Underwater Signals (SUS)
E4	CORE	Stow Tactical Air Launched Decoys (TALD)
E4	CORE	Stow torpedoes
E5	CORE	Supervise ammunition inventory evolutions
E5	CORE	Supervise arm and de-arm evolutions
E5	NON-CORE	Supervise Crew-Served Weapons (CSW) casualty drill evolutions
E6	NON-CORE	Supervise fleet sentencing evolutions
E5	CORE	Supervise ordnance evolutions
E5	CORE	Supervise ordnance handling operations
E5	CORE	Supervise ordnance inspection evolutions
E4	CORE	Transport aerial targets
E4	CORE	Transport bombs
E4	CORE	Transport Cartridge Actuated Devices (CAD)
E4	CORE	Transport containerized explosives
E4	CORE	Transport Crew-Served Weapons (CSW)
E4	CORE	Transport expendable countermeasures
E4	CORE	Transport mines

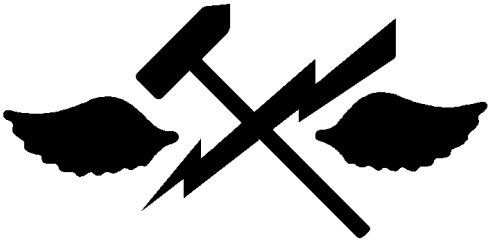
WEAPONS HANDLING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Transport missiles
E4	CORE	Transport Precision Guided Munitions (PGM)
E4	CORE	Transport pyrotechnics
E4	CORE	Transport rockets
E4	CORE	Transport small arms
E4	CORE	Transport sonobuoys
E4	CORE	Transport Sound Underwater Signals (SUS)
E4	CORE	Transport Tactical Air Launched Decoys (TALD)
E4	CORE	Transport torpedoes

WEAPONS SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Maintain aircrafts for loading evolutions
E4	CORE	Maintain grounding devices
E6	CORE	Manage weapon systems functional checks evolutions
E4	CORE	Perform weapon systems functional checks
E5	CORE	Supervise weapon systems functional checks evolutions

CHAPTER 10



AVIATION SUPPORT EQUIPMENT TECHNICIAN (AS)

NAVPERS 18068F-10G
Change 105

Updated: January 2026

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

AVIATION SUPPORT EQUIPMENT TECHNICIAN (AS)

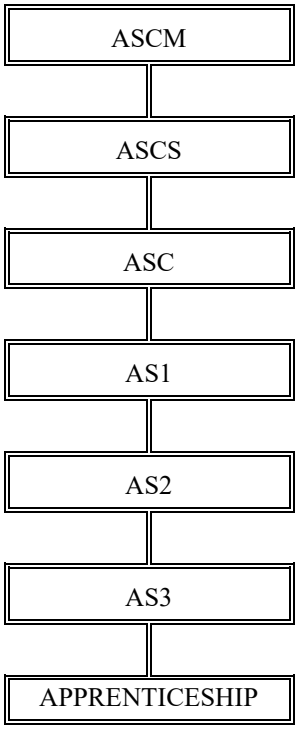
SCOPE OF RATING

Aviation Support Equipment Technicians (AS) perform preventive and corrective maintenance on aviation Support Equipment (SE), aviation armament handling equipment, crash and salvage equipment, Weight Handling Equipment (WHE), and associated components and systems; service, inspect, test, troubleshoot, and repair diesel engine systems, transmission systems, hydraulic, hydrostatic, and pneumatic systems, steering and suspension systems, cryogenic systems, electrical systems, gas turbine compressor units, electrical and hydraulic power generating equipment, and air-conditioning and refrigeration systems (excluding avionics support equipment); manage support equipment assets at different command levels; and provide training in operation of aviation support equipment.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 10.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Aviation Support Equipment Technician 002320

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	AVIATION SUPPORT EQUIPMENT TEC	AV SUP EQ TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AS	NEC FXXX, 7XXX series and other NECs as assigned

Job Description

Aviation Support Equipment Technicians perform scheduled and unscheduled maintenance on aircraft Common Support Equipment (CSE), Peculiar Support Equipment (PSE), Material Handling Equipment (MHE), and Weight Handling Equipment (WHE) by repairing, testing, troubleshooting, and inspecting mechanical systems (diesel engines, gas turbine compressor systems, brake systems, transmission systems, welding and structural repair equipment), air conditioning and refrigeration systems (compressors, condensers, evaporators, refrigerant reclaimer equipment and plumbing components), electrical systems (Mobile Electrical Power Plant (MEPP), aircraft tow tractors electrical systems, forklift electrical systems, and numerous other SE electrical systems), mobile maintenance facility (electrical/structural corrosion control, mobile facility van complexing, environmental control units), cryogenic equipment (gaseous and liquid oxygen servicing systems, gaseous nitrogen servicing systems and oxygen system purge units), hydraulic/pneumatic systems (hydraulic test stands, aircraft and automotive lifting devices, maintenance platforms, various pumps, actuators and accumulators); and perform SE management, training and licensing, by planning, organizing, scheduling, and implementing daily maintenance tasks and training requirements.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Aircraft Accessories	160200	Automotive Service Technicians and Mechanics	49-3023.00	Installation, Maintenance, and Repair

Skills	Abilities
Systems Evaluation	*Problem Sensitivity*
Quality Control Analysis	*Deductive Reasoning*
Equipment Maintenance	*Inductive Reasoning*
Complex Problem Solving	*Written Comprehension*
Installation	*Originality*
Repairing	*Manual Dexterity*
Troubleshooting	*Oral Expression*
Management of Material Resources	*Auditory Attention*
Judgment and Decision Making	*Fluency of Ideas*
Management of Personnel Resources	*Information Ordering*

CORROSION CONTROL

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate depot level corrosion treatment
E4	CORE	Identify corrosion types on Support Equipment (SE)
E4	CORE	Perform corrosion prevention on Support Equipment (SE)
E4	CORE	Perform corrosion treatment on Support Equipment (SE)
E4	CORE	Perform preservation/depreservation procedures on Support Equipment (SE)

CRYOGENIC SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventive maintenance on gaseous nitrogen Support Equipment (SE)
E4	CORE	Perform preventive maintenance on gaseous oxygen Support Equipment (SE)
E4	NON-CORE	Perform preventive maintenance on Liquid Oxygen (LOX) Support Equipment (SE)
E4	NON-CORE	Perform preventive maintenance on Support Equipment (SE) Liquid Nitrogen (LIN) systems
E4	CORE	Repair gaseous nitrogen Support Equipment (SE)
E4	CORE	Repair gaseous oxygen Support Equipment (SE)
E4	NON-CORE	Repair Liquid Oxygen (LOX) Support Equipment (SE)

CRYOGENIC SYSTEMS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Repair Support Equipment (SE) Liquid Nitrogen (LIN) systems
E4	CORE	Test gaseous nitrogen Support Equipment (SE)
E4	CORE	Test gaseous oxygen Support Equipment (SE)
E4	NON-CORE	Test Liquid Oxygen (LOX) Support Equipment (SE)
E4	NON-CORE	Test Support Equipment (SE) Liquid Nitrogen (LIN) systems
E4	CORE	Troubleshoot gaseous nitrogen Support Equipment (SE)
E4	CORE	Troubleshoot gaseous oxygen Support Equipment (SE)
E4	NON-CORE	Troubleshoot Liquid Oxygen (LOX) Support Equipment (SE)
E4	NON-CORE	Troubleshoot Support Equipment (SE) Liquid Nitrogen (LIN) systems

ELECTRICAL AND AIR CONDITIONING/REFRIGERATION SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Manufacture Support Equipment (SE) power cables
E4	CORE	Perform preventive maintenance on air conditioning and refrigeration equipment
E4	CORE	Perform preventive maintenance on air conditioning and refrigeration reclaimer equipment
E4	NON-CORE	Perform preventive maintenance on Environmental Control Unit (ECU)
E4	CORE	Perform preventive maintenance on Mobile Electric Power Plant (MEPP) and electrical systems
E4	NON-CORE	Perform preventive maintenance on Mobile Maintenance Facility (MMF)
E4	NON-CORE	Perform preventive maintenance on Mobile Maintenance Facility (MMF) Tactical Quiet Generator (TQG)
E4	CORE	Perform preventive maintenance on Support Equipment (SE) power cables
E4	CORE	Repair air conditioning and refrigeration equipment
E4	CORE	Repair air conditioning and refrigeration reclaimer equipment
E4	NON-CORE	Repair Environmental Control Unit (ECU)
E4	CORE	Repair Mobile Electric Power Plant (MEPP) and electrical systems
E4	NON-CORE	Repair Mobile Maintenance Facility (MMF)
E4	NON-CORE	Repair Mobile Maintenance Facility (MMF) Tactical Quiet Generator (TQG)
E4	CORE	Test air conditioning and refrigeration equipment
E4	CORE	Test air conditioning and refrigeration reclaimer equipment
E4	NON-CORE	Test Environmental Control Unit (ECU)
E4	CORE	Test Mobile Electric Power Plant (MEPP) and electrical systems
E4	NON-CORE	Test Mobile Maintenance Facility (MMF)
E4	NON-CORE	Test Mobile Maintenance Facility (MMF) Tactical Quiet Generator (TQG)
E4	CORE	Troubleshoot air conditioning and refrigeration equipment
E4	CORE	Troubleshoot air conditioning and refrigeration reclaimer equipment
E4	NON-CORE	Troubleshoot Environmental Control Unit (ECU)
E4	CORE	Troubleshoot Mobile Electric Power Plant (MEPP) and electrical systems
E4	NON-CORE	Troubleshoot Mobile Maintenance Facility (MMF)
E4	NON-CORE	Troubleshoot Mobile Maintenance Facility (MMF) Tactical Quiet Generator (TQG)

GENERAL SUPPORT EQUIPMENT MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Conduct flight deck troubleshooter operations on Support Equipment (SE)
E4	CORE	Perform joint pre-operational inspections on Support Equipment (SE)
E4	CORE	Perform preventive maintenance on aircraft Support Equipment (SE) lifting slings
E4	CORE	Perform preventive maintenance on Common Support Equipment (CSE)
E4	CORE	Perform preventive maintenance on Material Handling Equipment (MHE)
E4	CORE	Perform preventive maintenance on Peculiar Support Equipment (PSE)
E4	CORE	Perform preventive maintenance on Support Equipment (SE) tire and wheel assemblies
E4	CORE	Perform preventive maintenance on Weight Handling Equipment (WHE)
E4	CORE	Repair aircraft Support Equipment (SE) lifting slings
E4	CORE	Repair aviation Peculiar Support Equipment (PSE)
E4	CORE	Repair Common Support Equipment (CSE)
E4	CORE	Repair Material Handling Equipment (MHE)
E4	CORE	Repair Support Equipment (SE) tire and wheel assemblies
E4	CORE	Repair Weight Handling Equipment (WHE)
E4	CORE	Test aircraft Support Equipment (SE) lifting slings
E4	CORE	Test aviation Peculiar Support Equipment (PSE)
E4	CORE	Test Common Support Equipment (CSE)
E4	CORE	Test Material Handling Equipment (MHE)
E4	CORE	Test Support Equipment (SE) tire and wheel assemblies
E4	CORE	Test Weight Handling Equipment (WHE)
E4	CORE	Troubleshoot aircraft Support Equipment (SE) lifting slings
E4	CORE	Troubleshoot aviation Peculiar Support Equipment (PSE)
E4	CORE	Troubleshoot Common Support Equipment (CSE)
E4	CORE	Troubleshoot Material Handling Equipment (MHE)
E4	CORE	Troubleshoot Weight Handling Equipment (WHE)

HYDRAULIC/PNEUMATIC SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Comply with hydraulic contamination control standards (e.g., samples, tools, logs, etc.)
E4	CORE	Perform hydraulic purification procedures on hydraulic Support Equipment (SE)
E4	CORE	Perform preventive maintenance on aircraft jacks, Support Equipment (SE) jacks, and jack stands
E4	CORE	Perform preventive maintenance on hydraulic purification Support Equipment (SE)
E4	CORE	Perform preventive maintenance on Support Equipment (SE) hydraulic power supply
E4	CORE	Perform preventive maintenance on Support Equipment (SE) Hydraulic Servicing Units (HSU)
E4	CORE	Perform preventive maintenance on Support Equipment (SE) hydraulic/pneumatic systems
E4	CORE	Repair aircraft jacks, Support Equipment (SE) jacks, and jack stands

HYDRAULIC/PNEUMATIC SYSTEMS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair hydraulic purification Support Equipment (SE)
E4	CORE	Repair hydraulic/pneumatic systems on Support Equipment (SE)
E4	CORE	Repair Support Equipment (SE) hydraulic power supply
E4	CORE	Repair Support Equipment (SE) Hydraulic Servicing Units (HSU)
E4	CORE	Test aircraft jacks, Support Equipment (SE) jacks, and jack stands
E4	CORE	Test hydraulic fluids on Support Equipment (SE) for contamination
E4	CORE	Test hydraulic purification Support Equipment (SE)
E4	CORE	Test hydraulic/pneumatic systems on Support Equipment (SE)
E4	CORE	Test Support Equipment (SE) hydraulic power supply
E4	CORE	Test Support Equipment (SE) Hydraulic Servicing Units (HSU)
E4	CORE	Troubleshoot aircraft jacks, Support Equipment (SE) jacks, and jack stands
E4	CORE	Troubleshoot hydraulic purification Support Equipment (SE)
E4	CORE	Troubleshoot hydraulic/pneumatic systems on Support Equipment (SE)
E4	CORE	Troubleshoot Support Equipment (SE) hydraulic power supply
E4	CORE	Troubleshoot Support Equipment (SE) Hydraulic Servicing Units (HSU)

MANAGEMENT/TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Approve depot level corrosion treatment
E7	CORE	Approve Weight Handling Equipment (WHE) certification
E5	CORE	Coordinate Support Equipment (SE) operator training and licensing program
E6	CORE	Coordinate technical directives compliance programs
E5	NON-CORE	Locate level site for Mobile Maintenance Facility (MMF)
E7	CORE	Manage Autonomic Logistics Information Systems (ALIS), Naval Aviation Logistics Command Management Information System (NALCOMIS), Optimized Organizational Maintenance Activity (OOMA) maintenance records
E5	NON-CORE	Manage curriculum for Apprentice and Journeyman schools
E7	CORE	Manage depot level maintenance requirements on Support Equipment (SE)
E7	CORE	Manage intermediate-level maintenance operations
E7	CORE	Manage Material Control (MATCON) assets
E7	CORE	Manage Material Handling Equipment (MHE) program
E6	NON-CORE	Manage Mobile Maintenance Facility (MMF) logs and records
E7	CORE	Manage Production Control (PC) operations
E5	CORE	Manage Support Equipment (SE) asset and Individual Material Readiness List (IMRL) inventories
E7	CORE	Manage Support Equipment (SE) historical files, Auto-Log Sets (ALS), and 4790/51 records
E5	CORE	Manage Support Equipment (SE) Issue and Receipt (I&R)
E7	CORE	Manage Support Equipment (SE) operator training and licensing program
E5	CORE	Prepare scheduled maintenance reports on Support Equipment (SE)
E5	CORE	Supervise flight deck troubleshooter operations on Support Equipment (SE)

MANAGEMENT/TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise Production Control (PC) operations
E6	CORE	Supervise Support Equipment (SE) operator training and licensing program
E5	CORE	Supervise Support Equipment (SE) tool room operations
E7	CORE	Supervise technical directives compliance on Support Equipment (SE)
E6	CORE	Validate Autonomic Logistics Information Systems (ALIS), Naval Aviation Logistics Command Management Information System (NALCOMIS), Optimized Organizational Maintenance Activity (OOMA) maintenance records
E6	CORE	Validate availability reports on Support Equipment (SE)
E6	CORE	Validate Material Control (MATCON) assets
E6	CORE	Validate Support Equipment (SE) historical files, Auto-Log Sets (ALS), and 4790/51 records
E5	CORE	Verify Autonomic Logistics Information Systems (ALIS), Naval Aviation Logistics Command Management Information System (NALCOMIS), Optimized Organizational Maintenance Activity (OOMA) maintenance records
E5	CORE	Verify availability reports on Support Equipment (SE)
E5	CORE	Verify Material Control (MATCON) assets
E5	CORE	Verify Support Equipment (SE) historical files, Auto-Log Sets (ALS), and 4790/51 records

MECHANICAL SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventive maintenance on aircraft crash and salvage equipment
E4	CORE	Perform preventive maintenance on aircraft deicing Support Equipment (SE)
E4	CORE	Perform preventive maintenance on aircraft tow tractors and mechanical systems
E4	CORE	Perform preventive maintenance on Armament Weapons Support Equipment (AWSE)
E4	CORE	Perform preventive maintenance on diesel engines
E4	CORE	Perform preventive maintenance on gas turbine engines on Support Equipment (SE)
E4	CORE	Perform preventive maintenance on Support Equipment (SE) trailers and dollies
E5	CORE	Repair aircraft crash and salvage equipment
E4	CORE	Repair aircraft deicing Support Equipment (SE)
E4	CORE	Repair aircraft tow tractors and mechanical systems
E4	CORE	Repair Armament Weapons Support Equipment (AWSE)
E4	CORE	Repair diesel engines
E4	CORE	Repair gas turbine engines on Support Equipment (SE)
E4	CORE	Repair Support Equipment (SE) trailers and dollies
E5	CORE	Test aircraft crash and salvage equipment
E4	CORE	Test aircraft deicing Support Equipment (SE)
E4	CORE	Test aircraft tow tractors and mechanical systems
E4	CORE	Test Armament Weapons Support Equipment (AWSE)
E4	CORE	Test diesel engines
E4	CORE	Test gas turbine engines on Support Equipment (SE)

MECHANICAL SYSTEMS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test Support Equipment (SE) trailers and dollies
E5	CORE	Troubleshoot aircraft crash and salvage equipment
E4	CORE	Troubleshoot aircraft deicing Support Equipment (SE)
E4	CORE	Troubleshoot aircraft tow tractors and mechanical systems
E4	CORE	Troubleshoot Armament Weapons Support Equipment (AWSE)
E4	CORE	Troubleshoot diesel engines
E4	CORE	Troubleshoot gas turbine engines on Support Equipment (SE)
E4	CORE	Troubleshoot Support Equipment (SE) trailers and dollies

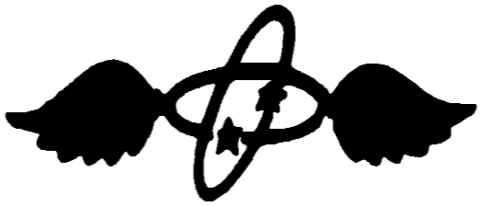
QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E5	CORE	Direct load tests on Weight Handling Equipment (WHE)
E5	CORE	Enforce hydraulic contamination control standards (e.g., samples, tools, logs, etc.)
E5	CORE	Inspect air conditioning and refrigeration equipment
E5	CORE	Inspect air conditioning and refrigeration reclaimer equipment
E5	CORE	Inspect aircraft crash and salvage equipment
E5	CORE	Inspect aircraft deicing Support Equipment (SE)
E5	CORE	Inspect aircraft jacks, Support Equipment (SE) jacks, and jack stands
E5	CORE	Inspect aircraft Support Equipment (SE) lifting slings
E5	CORE	Inspect aircraft tow tractors and mechanical systems
E5	CORE	Inspect Armament Weapons Support Equipment (AWSE)
E5	CORE	Inspect aviation Peculiar Support Equipment (PSE)
E5	CORE	Inspect Common Support Equipment (CSE)
E5	CORE	Inspect diesel engines
E5	NON-CORE	Inspect Environmental Control Unit (ECU)
E5	CORE	Inspect gas turbine engines on Support Equipment (SE)
E5	CORE	Inspect gaseous nitrogen Support Equipment (SE)
E5	CORE	Inspect gaseous oxygen Support Equipment (SE)
E5	CORE	Inspect hydraulic purification procedures on hydraulic Support Equipment (SE)
E5	CORE	Inspect hydraulic purification Support Equipment (SE)
E5	CORE	Inspect hydraulic/pneumatic systems on Support Equipment (SE)
E5	NON-CORE	Inspect Liquid Oxygen (LOX) Support Equipment (SE)
E5	CORE	Inspect Material Handling Equipment (MHE)
E5	CORE	Inspect Mobile Electric Power Plant (MEPP) and electrical systems
E5	NON-CORE	Inspect Mobile Maintenance Facility (MMF)
E5	NON-CORE	Inspect Mobile Maintenance Facility (MMF) Tactical Quiet Generator (TQG)
E5	CORE	Inspect Support Equipment (SE) for corrosion
E5	CORE	Inspect Support Equipment (SE) hydraulic power supply
E5	CORE	Inspect Support Equipment (SE) Hydraulic Servicing Units (HSU)
E5	NON-CORE	Inspect Support Equipment (SE) Liquid Nitrogen systems (LIN)

QUALITY ASSURANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Inspect Support Equipment (SE) power cables
E5	CORE	Inspect Support Equipment (SE) tire and wheel assemblies
E5	CORE	Inspect Support Equipment (SE) trailers and dollies
E5	CORE	Inspect Weight Handling Equipment (WHE)
E7	CORE	Manage Quality Assurance (QA) program spot checks, audits, and Support Equipment (SE) license proficiencies
E6	CORE	Perform Quality Assurance (QA) program spot checks, audits, and Support Equipment (SE) license proficiencies
E5	CORE	Validate hydraulic fluid tests on Support Equipment (SE)

CHAPTER 11



AVIATION ELECTRONICS TECHNICIAN (AT)

NAVPERS 18068F-11I
Change 105

Updated: January 2026

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

AVIATION ELECTRONICS TECHNICIAN (AT)

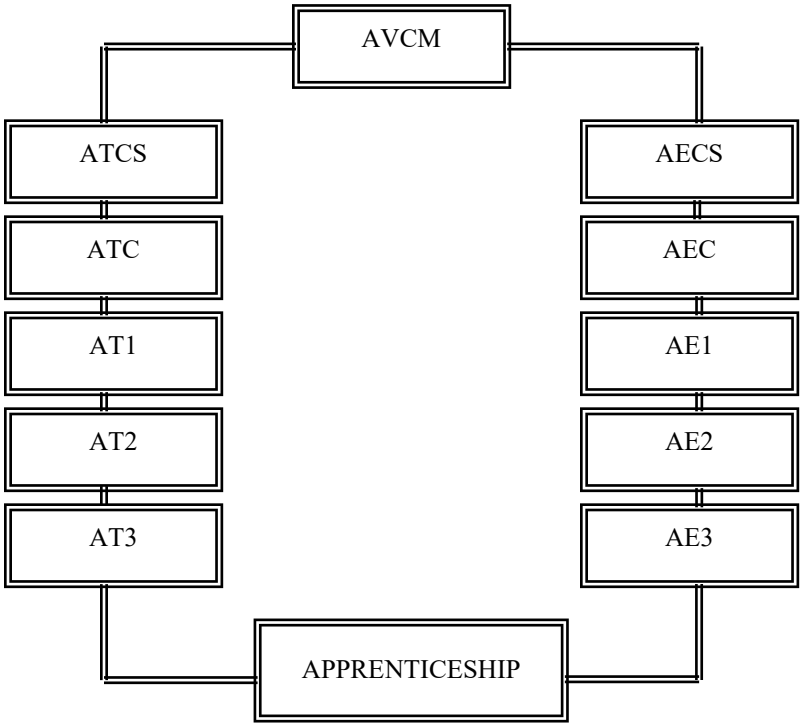
SCOPE OF RATING

Aviation Electronics Technicians (AT) perform Intermediate Level maintenance on aviation electronic components with conventional and automatic test equipment; repair Weapons Replaceable Assemblies (WRA) and Shop Replaceable Assemblies (SRA); perform test equipment calibration/repair and associated test bench maintenance; and perform Organizational Level maintenance on aircraft electronics systems to include: computers, communications, Radio Detection and Ranging (RADAR), navigation, Anti-Submarine Warfare (ASW) sensors, fiber optics, Forward Looking Infrared (FLIR), wiring, weapons systems, Light Amplification by Stimulated Emission of Radiation (LASER), electronic warfare, data link, fire control, and tactical displays with associated equipment.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 11.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Aviation Electronics Intermediate Level Technician 002410

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	AVIATION ELECTRONICS I-LVL TEC	AV ELTRON I-LV

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AT	NEC EXXX, IXXX, 7XXX series and other NECs as assigned

Job Description

Aviation Electronics Intermediate Level Technicians communicate with Production Control (PC) and Quality Assurance (QA) to ensure timely and accurate maintenance according to the Naval Aviation Maintenance Program (NAMP); inspect, troubleshoot, repair, and maintain a vast array of mission, navigation, Radio Detection and Ranging (RADAR), communications, and other avionics equipment; demonstrate knowledge of operational theory of assigned equipment and all levels of troubleshooting procedures; and interpret schematics for electronics and advanced electronic test equipment.

DoD Relationship

Group Title	*DoD Code*
Navigation, Communication and Countermeasure, N.E.C.	110200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Avionics Technicians	49-2091.00	Installation, Maintenance, and Repair

Skills	Abilities
Systems Evaluation	*Problem Sensitivity*
Systems Analysis	*Deductive Reasoning*
Repairing	*Written Comprehension*
Troubleshooting	*Manual Dexterity*
Equipment Maintenance	*Selective Attention*
Quality Control Analysis	*Information Ordering*
Operation Monitoring	*Finger Dexterity*
Management of Material Resources	*Near Vision*
Monitoring	*Time Sharing*
Operation and Control	*Written Expression*

AVIONICS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Analyze wiring schematics
E4	CORE	Conduct scheduled inspections
E4	CORE	Conduct Technical Directive (TD) changes
E4	CORE	Load avionics-related software
E4	CORE	Load Key Management Infrastructure (KMI) systems
E4	NON-CORE	Repair Anti-Submarine Warfare (ASW) system components
E4	CORE	Repair communication system components
E4	CORE	Repair countermeasures system components
E4	CORE	Repair data handling system components
E4	CORE	Repair display, indicator, and control system components
E4	CORE	Repair Electronic Support Measures (ESM) system components
E4	NON-CORE	Repair flight recording system components
E4	NON-CORE	Repair infrared system components
E4	CORE	Repair Key Management Infrastructure (KMI) system components
E4	NON-CORE	Repair Light Amplification by Stimulated Emission of Radiation (LASER) system components
E4	CORE	Repair navigation system components
E4	CORE	Repair Radio Detection and Ranging (RADAR) system components
E4	CORE	Repair Shop Replaceable Assemblies (SRA)

AVIONICS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair Stores Management System (SMS) components
E4	NON-CORE	Repair video and audio recording system components
E4	CORE	Repair wiring and connectors
E4	NON-CORE	Replace fiber optic cables
E4	NON-CORE	Test aircrew survival equipment radios
E4	NON-CORE	Test Anti-Submarine Warfare (ASW) system components
E4	CORE	Test communication system components
E4	CORE	Test countermeasures system components
E4	CORE	Test data handling system components
E4	CORE	Test display, indicator, and control system components
E4	CORE	Test Electronic Support Measures (ESM) system components
E4	NON-CORE	Test flight recording system components
E4	NON-CORE	Test infrared system components
E4	NON-CORE	Test Key Management Infrastructure (KMI) system components
E4	NON-CORE	Test Light Amplification by Stimulated Emission of Radiation (LASER) system components
E4	CORE	Test navigation system components
E4	CORE	Test Radio Detection and Ranging (RADAR) system components
E4	CORE	Test Shop Replaceable Assemblies (SRA)
E4	NON-CORE	Test Stores Management System (SMS)
E4	CORE	Test video and audio recording system components
E4	NON-CORE	Troubleshoot Anti-Submarine Warfare (ASW) system components
E4	CORE	Troubleshoot communication system components
E4	CORE	Troubleshoot countermeasures system components
E4	CORE	Troubleshoot data handling system components
E4	CORE	Troubleshoot display, indicator, and control system components
E4	CORE	Troubleshoot Electronic Support Measures (ESM) system components
E4	NON-CORE	Troubleshoot fiber optic cables
E4	NON-CORE	Troubleshoot flight recording system components
E4	NON-CORE	Troubleshoot infrared system components
E4	NON-CORE	Troubleshoot Key Management Infrastructure (KMI) system components
E4	NON-CORE	Troubleshoot Light Amplification by Stimulated Emission of Radiation (LASER) system components
E4	CORE	Troubleshoot navigation system components
E4	NON-CORE	Troubleshoot Radio Detection and Ranging (RADAR) system components
E4	CORE	Troubleshoot Shop Replaceable Assemblies (SRA)
E4	NON-CORE	Troubleshoot Stores Management System (SMS) components
E4	NON-CORE	Troubleshoot video and audio recording system components
E4	CORE	Troubleshoot wiring and connectors

CORROSION CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Depreserve Support Equipment (SE)
E4	CORE	Perform corrosion inspections on avionics systems and components
E4	CORE	Perform corrosion prevention procedures on avionics systems and components
E4	CORE	Perform corrosion treatment procedures on avionics systems and components
E4	CORE	Preserve Support Equipment (SE)

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Control classified material
E5	CORE	Manage Key Management Infrastructure (KMI) program
E6	CORE	Monitor Key Management Infrastructure (KMI) program for compliance
E5	CORE	Prepare Broad Arrow (BA) reports

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E6	CORE	Audit Naval Aviation Maintenance Program (NAMP) programs (Laser Hazard Control, Electrostatic Discharge (ESD) Protection/Electromagnetic Interference (EMI) Reporting, Electrical Wiring Interconnection System (EWIS), Aircraft Survivability Equipment)
E4	CORE	Conduct acceptance inspections
E4	CORE	Conduct Collateral Duty Inspector (CDI) inspections
E5	CORE	Conduct Collateral Duty Quality Assurance Representative (CDQAR) inspections
E4	CORE	Conduct conditional inspections
E4	CORE	Conduct phase inspections
E6	CORE	Conduct Quality Assurance Representative (QAR) inspections
E4	CORE	Conduct transfer inspections
E6	CORE	Manage Naval Aviation Maintenance Program (NAMP) programs (Laser Hazard Control, Electrostatic Discharge (ESD) Protection/Electromagnetic Interference (EMI) Reporting, Electrical Wiring Interconnection System (EWIS), Aircraft Survivability Equipment)

TEST EQUIPMENT

Paygrade	Task Type	Task Statements
E5	NON-CORE	Maintain Consolidated Automated Support System (CASS)/Electronic Consolidated Automated Support System (ECASS) Family of Testers (FOT) stations
E4	CORE	Maintain Support Equipment (SE)
E4	CORE	Perform preoperational inspections on Support Equipment (SE)
E5	NON-CORE	Repair Consolidated Automated Support System (CASS)/Electronic Consolidated Automated Support System (ECASS) Family of Testers (FOT) stations
E4	CORE	Repair Support Equipment (SE)
E4	CORE	Test Support Equipment (SE)
E4	NON-CORE	Troubleshoot Consolidated Automated Support System (CASS)/Electronic Consolidated Automated Support System (ECASS) Family of Testers (FOT) stations
E4	CORE	Troubleshoot Support Equipment (SE)

Job Title **Job Code**

Aviation Electronics Organizational Level Technician 002455

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	AVIATION ELECTRONICS O-LVL TEC	AV ELTRON O-LV

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AT	NEC EXXX, IXXX, 7XXX series and other NECs as assigned

Job Description

Aviation Electronics Organizational Level Technicians communicate with Maintenance Control (MC) and Quality Assurance (QA) to ensure timely and accurate maintenance according to the Naval Aviation Maintenance Program (NAMP); inspect, troubleshoot, repair, and maintain various aircraft avionics systems; demonstrate in-depth knowledge of operational theory of assigned equipment and all troubleshooting procedures; and interpret schematics for aircraft and avionics systems.

DoD Relationship

Group Title	*DoD Code*
Navigation, Communication, and Countermeasure, N.E.C.	110200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Avionics Technicians	49-2091.00	Installation, Maintenance, and Repair

Skills	Abilities
Equipment Maintenance	*Written Comprehension*
Systems Evaluation	*Deductive Reasoning*
Quality Control Analysis	*Selective Attention*
Repairing	*Dynamic Strength*
Installation	*Problem Sensitivity*
Troubleshooting	*Information Ordering*
Management of Material Resources	*Finger Dexterity*
Coordination	*Near Vision*
Monitoring	*Time Sharing*
Operation and Control	*Written Expression*

AVIONICS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Analyze wiring schematics
E4	CORE	Conduct scheduled inspections
E4	CORE	Conduct Technical Directive (TD) changes
E4	NON-CORE	Install Anti-Submarine Warfare (ASW) system components
E4	CORE	Install communication system components
E4	CORE	Install countermeasures system components
E4	CORE	Install data handling system components
E4	CORE	Install display, indicator, and control system components
E4	CORE	Install Electronic Support Measures (ESM) system components
E4	CORE	Install flight recording system components
E4	CORE	Install infrared system components
E4	CORE	Install Key Management Infrastructure (KMI) system components
E4	CORE	Install Light Amplification by Stimulated Emission of Radiation (LASER) system components
E4	CORE	Install navigation system components
E4	CORE	Install Radio Detection and Ranging (RADAR) system components
E4	CORE	Install Stores Management System (SMS) components
E4	CORE	Install video and audio recording system components
E4	CORE	Load avionics-related software

AVIONICS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Load Key Management Infrastructure (KMI) systems
E4	NON-CORE	Maintain Anti-Submarine Warfare (ASW) systems
E4	CORE	Maintain communication systems
E4	CORE	Maintain countermeasures systems
E4	CORE	Maintain data handling systems
E4	CORE	Maintain display, indicator, and control systems
E4	CORE	Maintain Electronic Support Measures (ESM) systems
E4	CORE	Maintain flight recording systems
E4	CORE	Maintain infrared systems
E4	CORE	Maintain Key Management Infrastructure (KMI) systems
E4	CORE	Maintain Light Amplification by Stimulated Emission of Radiation (LASER) systems
E4	CORE	Maintain navigation systems
E4	CORE	Maintain Radio Detection and Ranging (RADAR) systems
E4	CORE	Maintain Stores Management System (SMS)
E4	CORE	Maintain video and audio recording systems
E4	CORE	Perform solder repairs
E4	CORE	Perform weapons release and control systems checks
E4	NON-CORE	Remove Anti-Submarine Warfare (ASW) system components
E4	CORE	Remove communication system components
E4	CORE	Remove countermeasures system components
E4	CORE	Remove data handling system components
E4	CORE	Remove display, indicator, and control system components
E4	CORE	Remove Electronic Support Measures (ESM) system components
E4	CORE	Remove flight recording system components
E4	CORE	Remove infrared system components
E4	CORE	Remove Key Management Infrastructure (KMI) system components
E4	CORE	Remove Light Amplification by Stimulated Emission of Radiation (LASER) system components
E4	CORE	Remove navigation system components
E4	CORE	Remove Radio Detection and Ranging (RADAR) system components
E4	CORE	Remove Stores Management System (SMS) components
E4	CORE	Remove video and audio recording system components
E4	CORE	Repair wiring and connectors
E4	NON-CORE	Replace fiber optic cables
E4	NON-CORE	Troubleshoot Anti-Submarine Warfare (ASW) systems
E4	CORE	Troubleshoot communication systems
E4	CORE	Troubleshoot countermeasures systems
E4	CORE	Troubleshoot data handling systems
E4	CORE	Troubleshoot display, indicator, and control systems
E4	CORE	Troubleshoot Electronic Support Measures (ESM) systems

AVIONICS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Troubleshoot fiber optic cables
E4	CORE	Troubleshoot flight recording systems
E4	CORE	Troubleshoot infrared systems
E4	CORE	Troubleshoot Key Management Infrastructure (KMI) systems
E4	CORE	Troubleshoot Light Amplification by Stimulated Emission of Radiation (LASER) systems
E4	CORE	Troubleshoot navigation systems
E4	CORE	Troubleshoot Radio Detection and Ranging (RADAR) systems
E4	CORE	Troubleshoot Stores Management System (SMS)
E4	CORE	Troubleshoot video and audio recording systems
E4	CORE	Troubleshoot wiring and connectors

CORROSION CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Depreserve Support Equipment (SE)
E4	CORE	Perform corrosion inspections on avionics systems and components
E4	CORE	Perform corrosion prevention procedures on avionics systems and components
E4	CORE	Perform corrosion treatment procedures on avionics systems and components
E4	CORE	Preserve Support Equipment (SE)

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Control classified material
E7	CORE	Coordinate flight deck and flight line operations
E7	CORE	Coordinate the preparation of the aircraft for Planned Maintenance Intervals (PMI)
E7	CORE	Coordinate the preparation of the aircraft for Standard Depot Level Maintenance (SDLM)
E5	CORE	Manage Key Management Infrastructure (KMI) program
E6	CORE	Monitor Key Management Infrastructure (KMI) program for compliance
E6	CORE	Release aircraft Safe for Flight (SFF)

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E6	CORE	Audit Naval Aviation Maintenance Program (NAMP) programs (Laser Hazard Control, Electrostatic Discharge (ESD) Protection/Electromagnetic Interference (EMI) Reporting, Electrical Wiring Interconnection System (EWIS), Aircraft Survivability Equipment)
E4	CORE	Conduct acceptance inspections
E4	CORE	Conduct aircraft acceptance inspections
E4	CORE	Conduct Collateral Duty Inspector (CDI) inspections
E5	CORE	Conduct Collateral Duty Quality Assurance Representative (CDQAR) inspections
E4	CORE	Conduct conditional inspections
E4	CORE	Conduct phase inspections
E6	CORE	Conduct Quality Assurance Representative (QAR) inspections

QUALITY ASSURANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Conduct transfer inspections
E6	CORE	Manage Naval Aviation Maintenance Program (NAMP) programs (Laser Hazard Control, Electrostatic Discharge (ESD) Protection/Electromagnetic Interference (EMI) Reporting, Electrical Wiring Interconnection System (EWIS), Aircraft Survivability Equipment)
E4	CORE	Perform aircraft daily inspections
E4	CORE	Perform aircraft turnaround inspections

TEST EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Maintain Support Equipment (SE)
E4	CORE	Perform preoperational inspections on Support Equipment (SE)

CHAPTER 12

NAVAL AIRCREWMAN (MECHANICAL) (AWF)

NAVPERS 18068F-12I
Change 100

Updated: October 2024

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

NAVAL AIRCREWMEN (MECHANICAL) (AWF)

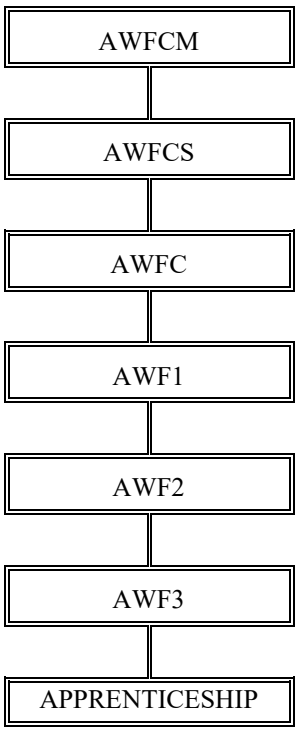
SCOPE OF RATING

Naval Aircrewmen Mechanical (AWF) are members of fixed wing / tilt rotor integrated tactical crews aboard CMV-22, C-2, C-12, C-26, C-37, C-40, C-130, E-6, P-3, EP-3 aircraft, and various Unmanned Aerial Vehicles (UAV): perform in-flight and ground duties; calculate Weight and Balance (W&B) and aircraft performance; perform aircraft system maintenance and operations; perform flight control system rigging; perform aircrew administration; perform Naval Air Logistics scheduling; perform passenger transport and safety; conduct cargo movement; conduct Medical Evacuations (MEDEVAC); conduct Flight/Ground training; execute equipment handling and emergency procedures; utilize small arms; employ Dual Trailing Wire Antenna (DTWA) winch system; and support Joint Special Warfare operations.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 12.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Flight Engineer

Job Code

001595

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Military Moving	TBD	FLIGHT ENGINEER	FLIGHT ENG

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWF	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Flight Engineers are members of fixed wing/tilt rotor integrated tactical crews aboard P-3/EP-3/E-6/C-130 aircraft; perform primary in-flight and ground duties; operate and maintain aircraft systems; verify rigging according to maintenance publications; generate weight and balance; calculate performance data; perform aircrew administration; conduct flight/ground training; conduct passenger safety briefings; perform passenger transports; execute equipment handling and emergency procedures; maintain the P-3/EP-3/E-6/C-130 aircraft while independently deployed; and implement Top Secret (TS) security clearance and Personnel Reliability Program (PRP) requirements.

DoD Relationship

Group Title	*DoD Code*
Air Crew, General	105000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Airline Pilots, Copilots, & Flight Engineers	53-2011.00	Transportation and Military Moving

Skills	Abilities
Critical Thinking	*Written Comprehension*
Operation and Control	*Deductive Reasoning*
Systems Analysis	*Problem Sensitivity*
Coordination	*Near Vision*
Judgment and Decision Making	*Written Expression*
Complex Problem Solving	*Information Ordering*
Instructing	*Oral Expression*
Operation Monitoring	*Manual Dexterity*
Quality Control Analysis	*Category Flexibility*
Management of Material Resources	*Control Precision*

AIRCRAFT SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Adjust aircraft engine power settings
E4	CORE	Communicate information using radios and Internal Communication Systems (ICS)
E4	CORE	Conduct aircraft systems testing
E4	CORE	Conduct Functional Check Flight (FCF)
E4	CORE	Control environmental systems
E4	NON-CORE	Control operations of aircraft engines
E4	CORE	Control operations of aircraft hydraulic systems
E4	CORE	Control operations of aircraft pneumatic systems
E4	NON-CORE	Control operations of anti-icing and de-icing systems
E4	NON-CORE	Control operations of liquid cooling systems
E4	NON-CORE	Initialize Global Positioning Satellite (GPS) equipment
E4	CORE	Maintain aircraft electrical systems
E4	CORE	Maintain aircraft fuel load balance
E4	CORE	Maintain aircraft pressurization
E4	NON-CORE	Operate propeller systems
E4	CORE	Perform aircraft electrical systems operations
E4	CORE	Perform aircraft radar system operations

AIRCRAFT SYSTEM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Auxiliary Power Unit (APU) operations
E4	NON-CORE	Perform camera systems operations
E4	CORE	Perform fuel systems operations
E5	CORE	Perform navigation systems operations
E4	CORE	Perform radio system operations

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Administer Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E6	NON-CORE	Develop aircrew course curriculum
E6	NON-CORE	Develop training and readiness matrices
E6	NON-CORE	Evaluate aircrew training programs
E5	NON-CORE	Maintain Air Combat Training Continuum (ACTC) training jackets
E5	CORE	Maintain aircrew training jackets
E5	CORE	Maintain training and readiness matrices
E6	CORE	Manage aircrew training programs
E6	CORE	Manage Crew Resource Management (CRM) programs
E5	CORE	Record individual flight time summaries
E5	CORE	Verify Air Combat Training Continuum (ACTC) qualifications in training jackets

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E4	CORE	Assign aircraft ditching stations
E4	CORE	Calculate fuel requirements
E4	CORE	Compute aircraft load limitations
E4	CORE	Compute aircraft weight and balances
E4	CORE	Compute takeoff, landing, and in-flight performance
E5	CORE	Coordinate logistical operations
E4	CORE	Inspect aircraft and personal survival equipment
E4	NON-CORE	Inspect Search And Rescue (SAR) equipment
E4	NON-CORE	Jettison cargo
E4	CORE	Perform aircraft emergency procedures
E4	CORE	Perform aircraft fueling
E4	CORE	Perform aircraft safety and emergency equipment operations
E4	CORE	Perform Crew Resource Management (CRM)
E4	NON-CORE	Perform Emergency Destruction Plan (EDP) procedures
E4	CORE	Perform hand-signals to communicate
E4	CORE	Perform in-flight status system checks
E4	CORE	Perform land and sea survival techniques
E4	NON-CORE	Perform Medical Evacuations (MEDEVAC)

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Perform Night Vision Device (NVD) operations
E4	CORE	Perform passenger safety briefs
E4	CORE	Perform pre-flight and post-flight aircraft inspections
E4	CORE	Prepare aircraft for static displays
E5	CORE	Prepare mission capability briefs
E4	NON-CORE	Report contacts
E4	CORE	Secure cargo and equipment

AIRCREW TRAINING

Paygrade	Task Type	Task Statements
E5	CORE	Administer aircrew training programs
E5	CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E5	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) flight/ground training
E5	CORE	Conduct training utilizing Weapons Systems Trainer (WST) or Operational Flight Trainer (OFT)
E5	CORE	Develop Naval Air Training and Operating Procedures Standardization (NATOPS) lesson materials
E5	NON-CORE	Develop training device scenarios
E5	CORE	Evaluate aircrew qualification and readiness programs
E5	CORE	Facilitate Air Combat Training Continuum (ACTC) flight/ground training
E5	CORE	Facilitate Crew Resource Management (CRM) training

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Brief maintenance operations (i.e., maintenance control and work center)
E4	CORE	Conduct Functional Check Flight (FCF) briefs and debriefs
E4	CORE	Document aircraft discrepancies
E4	CORE	Document aircraft maintenance
E4	CORE	Initiate maintenance actions with Optimized Organizational Maintenance Activity Naval Aviation Logistics Command Managed Information System (OOMA NALCOMIS)
E5	CORE	Manage aircraft and personnel readiness databases
E7	CORE	Manage cannibalization actions
E6	CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Manage scheduled and unscheduled maintenance
E5	CORE	Manage workload reports
E6	CORE	Release aircraft Safe For Flight (SFF)
E7	CORE	Schedule aircraft for maintenance
E7	CORE	Schedule aircraft for phase/Planned Maintenance Intervals (PMI)
E7	CORE	Schedule aircraft inspections
E5	CORE	Screen Visual Information Display System/Maintenance Action Forms (VIDS/MAF)

MAINTENANCE ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise scheduled and unscheduled maintenance
E5	CORE	Update Monthly Maintenance Plans (MMP)/Monthly Personnel Plans (MPP)
E6	CORE	Verify aircraft logbooks
E7	CORE	Verify aircraft records for compliance
E6	CORE	Verify Maintenance Data Reporting (MDR)
E4	CORE	Verify Monthly Maintenance Plans (MMP)/Monthly Personnel Plans (MPP)
E4	CORE	Verify Naval Aviation Maintenance Programs (NAMP) compliance
E6	CORE	Verify Technical Directive (TD) compliance

MAINTENANCE SUPPORT

Paygrade	Task Type	Task Statements
E4	CORE	Inspect aircraft and aircraft components for corrosion
E4	CORE	Inventory tools
E4	CORE	Maintain air refueling systems
E4	CORE	Maintain aircraft communication systems
E4	CORE	Maintain aircraft hydraulic systems
E4	CORE	Maintain anti-ice systems
E4	CORE	Maintain automatic flight control systems
E4	CORE	Maintain environmental systems
E4	NON-CORE	Maintain extended range fuel tanks
E4	CORE	Maintain flight control systems
E4	CORE	Maintain landing gear assemblies
E4	CORE	Maintain navigation systems
E4	CORE	Maintain pneumatic systems
E4	CORE	Maintain pressurization systems
E4	CORE	Perform aircraft conditional inspections
E4	CORE	Perform aircraft daily inspections
E4	CORE	Perform aircraft ground handling operations
E4	CORE	Perform aircraft servicing procedures
E4	CORE	Perform aircraft special inspections
E4	CORE	Perform aircraft turnaround inspections
E5	NON-CORE	Perform certification inspections on aviation combat systems
E4	CORE	Perform corrosion prevention procedures
E4	CORE	Perform preservation and depreservation procedures
E5	CORE	Perform Quality Assurance (QA) inspections
E4	CORE	Perform Support Equipment (SE) inspections (e.g., daily, preoperational, etc.)
E4	CORE	Perform Support Equipment (SE) operations
E4	CORE	Supervise aircraft towing and pushback operations
E4	CORE	Treat aircraft corrosion

OPERATIONS AND LOGISTICS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Conduct air logistics
E4	CORE	Conduct aircrew mission briefs and debriefs
E4	CORE	Conduct passenger transports
E4	CORE	Configure aircraft for mission requirements
E6	CORE	Coordinate aircraft availability for long and short range planning
E5	NON-CORE	Coordinate airlift support
E4	NON-CORE	Coordinate cargo transports
E5	NON-CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E5	CORE	Coordinate operations per mission requirements
E7	NON-CORE	Coordinate tactical exercises and missions
E4	CORE	Document logistics flight records
E4	NON-CORE	Perform expeditious cargo offload
E4	CORE	Perform flight and mission planning
E4	CORE	Perform pre-deployment and post-deployment procedures
E4	CORE	Perform warfare exercises
E4	CORE	Prepare flight hour reports
E4	CORE	Prepare flight schedules
E5	CORE	Report aircraft mission capability status
E5	NON-CORE	Supervise alert aircraft procedures
E4	NON-CORE	Support Naval Special Warfare (NSW) operations
E4	CORE	Verify flight packet contents

Job Title **Job Code**

Operations, Training, And Readiness Specialist (Mechanical) 002810

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	OPS, TRNG, & RDNS SPEC MECH	OT&R SPEC MECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWF	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Operations, Training, and Readiness Specialists (Mechanical) are integral members of aviation commands: coordinate operational, administrative, and aircrew scheduling functions; administer and manage aircrew training programs and resources; analyze training resource requirements; review proposed training devices and programs; develop and revise curriculum; manage standardization of aircrew training to enhance proficiency and readiness; manage student quotas, qualifications and certifications; coordinate aircrew physical fitness and health program initiatives; track all aspects of aircrew performance data to support the rigorous demands of operational commitments worldwide; administer and direct the Naval Air Training and Operating Procedures Standardization (NATOPS) programs; and support tactics, training and readiness, weapons safety, Search and Rescue (SAR), and various other aircrew training/missions.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Air Crew, General	105000	Training and Development Managers	11-3131.00	Management

Skills	Abilities
Critical Thinking	*Written Comprehension*
Instructing	*Written Expression*
Complex Problem Solving	*Deductive Reasoning*
Coordination	*Category Flexibility*
Management of Personnel Resources	*Problem Sensitivity*
Monitoring	*Information Ordering*
Learning Strategies	*Oral Expression*
Management of Material Resources	*Inductive Reasoning*
Systems Analysis	*Originality*
Operation and Control	*Fluency of Ideas*

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Administer Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E6	NON-CORE	Conduct Flight Order Audit Boards (FOAB)
E7	CORE	Define aircrew readiness requirements for individuals and crews
E7	NON-CORE	Determine aircrew production requirements
E7	CORE	Determine aircrew requirements for flight events and training devices
E6	NON-CORE	Develop aircrew course curriculum
E6	NON-CORE	Develop training and readiness matrices
E6	NON-CORE	Evaluate aircrew training programs
E5	NON-CORE	Maintain Air Combat Training Continuum (ACTC) training jackets
E5	CORE	Maintain aircrew training jackets
E5	CORE	Maintain training and readiness matrices
E6	CORE	Manage Air Combat Training Continuum (ACTC) programs
E7	NON-CORE	Manage aircrew assignments
E5	CORE	Manage aircrew requirements for flight events and training devices
E6	CORE	Manage aircrew training programs
E6	CORE	Manage Crew Resource Management (CRM) programs

AIRCREW ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Record individual flight time summaries
E5	CORE	Validate aircrew readiness requirements for individuals and crews
E5	CORE	Verify Air Combat Training Continuum (ACTC) qualifications in training jackets
E7	CORE	Verify training and readiness matrices

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E5	CORE	Coordinate logistical operations
E4	CORE	Perform Crew Resource Management (CRM)
E4	CORE	Perform land and sea survival techniques
E5	CORE	Prepare mission capability briefs

AIRCREW TRAINING

Paygrade	Task Type	Task Statements
E5	CORE	Administer aircrew training programs
E7	CORE	Brief fleet aviation training requirements to upper echelon
E5	CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E5	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) flight/ground training
E5	CORE	Conduct training utilizing Weapons Systems Trainer (WST) or Operational Flight Trainer (OFT)
E5	CORE	Develop aircrew training plans
E5	CORE	Develop Naval Air Training and Operating Procedures Standardization (NATOPS) lesson materials
E5	NON-CORE	Develop training device scenarios
E5	CORE	Evaluate aircrew qualification and readiness programs
E5	CORE	Facilitate Air Combat Training Continuum (ACTC) flight/ground training
E5	CORE	Facilitate Crew Resource Management (CRM) training

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Manage aircraft and personnel readiness databases

MAINTENANCE SUPPORT

Paygrade	Task Type	Task Statements
E5	NON-CORE	Perform certification inspections on aviation combat systems

OPERATIONS AND LOGISTICS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Conduct air logistics
E4	CORE	Conduct aircrew mission briefs and debriefs
E4	NON-CORE	Conduct Humanitarian Assistance and Disaster Relief (HADR) operations
E6	CORE	Coordinate aircraft availability for long and short range planning
E5	NON-CORE	Coordinate airlift support

OPERATIONS AND LOGISTICS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Coordinate cargo transports
E5	NON-CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E5	CORE	Coordinate operations per mission requirements
E7	NON-CORE	Coordinate tactical exercises and missions
E4	CORE	Document logistics flight records
E4	CORE	Perform flight and mission planning
E4	CORE	Perform pre-deployment and post-deployment procedures
E4	CORE	Perform warfare exercises
E4	CORE	Prepare flight hour reports
E4	CORE	Prepare flight schedules
E7	NON-CORE	Process Temporary Flight Order (TFO) requests
E5	CORE	Report aircraft mission capability status
E5	NON-CORE	Supervise alert aircraft procedures
E4	NON-CORE	Support Naval Special Warfare (NSW) operations

Job Title

Reel Operator

Job Code

002825

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	REEL OPERATOR	REEL OP

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWF	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Reel Operators perform in-flight and maintenance operations of the E-6 Dual Trailing Wire Antenna (DTWA) system; perform primary in-flight and ground duties; operate and maintain aircraft systems; verify rigging according to maintenance publications; perform aircrew administration; conduct flight/ground training; perform passenger safety briefs; perform passenger transports; execute equipment handling procedures; maintain the E-6 aircraft while independently deployed; and implement Top Secret (TS) security clearance and Personnel Reliability Program (PRP) requirements.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Air Crew, General	105000	Aircraft Mechanics & Service Technician	49-3011.00	Installation, Maintenance, and Repair

Skills	Abilities
Critical Thinking	*Written Comprehension*
Operation and Control	*Deductive Reasoning*
Systems Analysis	*Problem Sensitivity*
Coordination	*Near Vision*
Judgment and Decision Making	*Written Expression*
Monitoring	*Information Ordering*
Complex Problem Solving	*Oral Expression*
Instructing	*Manual Dexterity*
Quality Control Analysis	*Category Flexibility*
Operation Monitoring	*Inductive Reasoning*

AIRCRAFT SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Communicate information using radios and Internal Communication Systems (ICS)
E4	CORE	Conduct aircraft systems testing
E4	CORE	Conduct Functional Check Flight (FCF)
E4	CORE	Control environmental systems
E4	NON-CORE	Control operations of aircraft engines
E4	CORE	Control operations of aircraft hydraulic systems
E4	CORE	Control operations of aircraft pneumatic systems
E4	NON-CORE	Control operations of anti-icing and de-icing systems
E4	NON-CORE	Control operations of dual trailing wire antenna
E4	NON-CORE	Control operations of liquid cooling systems
E4	NON-CORE	Initialize Global Positioning Satellite (GPS) equipment
E4	CORE	Maintain aircraft electrical systems
E4	CORE	Maintain aircraft fuel load balance
E4	CORE	Maintain aircraft pressurization
E4	CORE	Perform aircraft electrical systems operations
E4	CORE	Perform Auxiliary Power Unit (APU) operations
E4	NON-CORE	Perform camera systems operations

AIRCRAFT SYSTEM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform fuel systems operations
E5	CORE	Perform navigation systems operations
E4	CORE	Perform radio system operations
E4	NON-CORE	Perform winch operations

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Administer Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E6	NON-CORE	Develop aircrew course curriculum
E6	NON-CORE	Develop training and readiness matrices
E6	NON-CORE	Evaluate aircrew training programs
E5	NON-CORE	Maintain Air Combat Training Continuum (ACTC) training jackets
E5	CORE	Maintain aircrew training jackets
E5	CORE	Maintain training and readiness matrices
E6	CORE	Manage aircrew training programs
E6	CORE	Manage Crew Resource Management (CRM) programs
E5	CORE	Record individual flight time summaries
E5	CORE	Verify Air Combat Training Continuum (ACTC) qualifications in training jackets

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E4	CORE	Assign aircraft ditching stations
E4	CORE	Calculate fuel requirements
E4	CORE	Compute aircraft load limitations
E5	CORE	Coordinate logistical operations
E4	CORE	Inspect aircraft and personal survival equipment
E4	CORE	Perform aircraft emergency procedures
E4	CORE	Perform aircraft fueling
E4	CORE	Perform aircraft safety and emergency equipment operations
E4	CORE	Perform Crew Resource Management (CRM)
E4	NON-CORE	Perform Emergency Destruction Plan (EDP) procedures
E4	CORE	Perform hand-signals to communicate
E4	CORE	Perform in-flight status system checks
E4	CORE	Perform land and sea survival techniques
E4	CORE	Perform passenger safety briefs
E4	CORE	Perform pre-flight and post-flight aircraft inspections
E4	CORE	Prepare aircraft for static displays
E5	CORE	Prepare mission capability briefs
E4	NON-CORE	Report contacts
E4	CORE	Secure cargo and equipment

AIRCREW TRAINING

Paygrade	Task Type	Task Statements
E5	CORE	Administer aircrew training programs
E5	CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E5	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) flight/ground training
E5	CORE	Conduct training utilizing Weapons Systems Trainer (WST) or Operational Flight Trainer (OFT)
E5	CORE	Develop Naval Air Training and Operating Procedures Standardization (NATOPS) lesson materials
E5	NON-CORE	Develop training device scenarios
E5	CORE	Evaluate aircrew qualification and readiness programs
E5	CORE	Facilitate Air Combat Training Continuum (ACTC) flight/ground training
E5	CORE	Facilitate Crew Resource Management (CRM) training

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Brief maintenance operations (i.e., maintenance control and work center)
E4	CORE	Conduct Functional Check Flight (FCF) briefs and debriefs
E4	CORE	Document aircraft discrepancies
E4	CORE	Document aircraft maintenance
E4	CORE	Initiate maintenance actions with Optimized Organizational Maintenance Activity Naval Aviation Logistics Command Managed Information System (OOMA NALCOMIS)
E5	CORE	Manage aircraft and personnel readiness databases
E7	CORE	Manage cannibalization actions
E6	CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Manage scheduled and unscheduled maintenance
E5	CORE	Manage workload reports
E6	CORE	Release aircraft Safe For Flight (SFF)
E7	CORE	Schedule aircraft for maintenance
E7	CORE	Schedule aircraft for phase/Planned Maintenance Intervals (PMI)
E7	CORE	Schedule aircraft inspections
E5	CORE	Screen Visual Information Display System/Maintenance Action Forms (VIDS/MAF)
E5	CORE	Supervise scheduled and unscheduled maintenance
E5	CORE	Update Monthly Maintenance Plans (MMP)/Monthly Personnel Plans (MPP)
E6	CORE	Verify aircraft logbooks
E7	CORE	Verify aircraft records for compliance
E6	CORE	Verify Maintenance Data Reporting (MDR)
E4	CORE	Verify Monthly Maintenance Plans (MMP)/Monthly Personnel Plans (MPP)
E4	CORE	Verify Naval Aviation Maintenance Programs (NAMP) compliance
E6	CORE	Verify Technical Directive (TD) compliance

MAINTENANCE SUPPORT

Paygrade	Task Type	Task Statements
E4	CORE	Inspect aircraft and aircraft components for corrosion
E4	CORE	Inventory tools
E4	CORE	Maintain air refueling systems
E4	CORE	Maintain aircraft communication systems
E4	CORE	Maintain aircraft hydraulic systems
E4	CORE	Maintain anti-ice systems
E4	CORE	Maintain automatic flight control systems
E4	CORE	Maintain environmental systems
E4	NON-CORE	Maintain extended range fuel tanks
E4	CORE	Maintain flight control systems
E4	CORE	Maintain landing gear assemblies
E4	CORE	Maintain navigation systems
E4	CORE	Maintain pneumatic systems
E4	CORE	Maintain pressurization systems
E4	CORE	Perform aircraft conditional inspections
E4	CORE	Perform aircraft daily inspections
E4	CORE	Perform aircraft ground handling operations
E4	CORE	Perform aircraft servicing procedures
E4	CORE	Perform aircraft special inspections
E4	CORE	Perform aircraft turnaround inspections
E5	NON-CORE	Perform certification inspections on aviation combat systems
E4	CORE	Perform corrosion prevention procedures
E4	CORE	Perform preservation and depreservation procedures
E5	CORE	Perform Quality Assurance (QA) inspections
E4	CORE	Perform Support Equipment (SE) inspections (e.g., daily, preoperational, etc.)
E4	CORE	Perform Support Equipment (SE) operations
E4	CORE	Supervise aircraft towing and pushback operations
E4	CORE	Treat aircraft corrosion

OPERATIONS AND LOGISTICS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct aircrew mission briefs and debriefs
E4	CORE	Conduct passenger transports
E4	CORE	Configure aircraft for mission requirements
E6	CORE	Coordinate aircraft availability for long and short range planning
E5	NON-CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E5	CORE	Coordinate operations per mission requirements
E7	NON-CORE	Coordinate tactical exercises and missions
E4	CORE	Document logistics flight records
E4	CORE	Perform flight and mission planning

OPERATIONS AND LOGISTICS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform pre-deployment and post-deployment procedures
E4	CORE	Perform warfare exercises
E4	CORE	Prepare flight hour reports
E4	CORE	Prepare flight schedules
E5	CORE	Report aircraft mission capability status
E5	NON-CORE	Supervise alert aircraft procedures
E4	CORE	Verify flight packet contents

Job Title

Logistics Aircrewman

Job Code

002788

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Military Moving	TBD	LOGISTICS AIRCREWMAN	LOG AIRCRWMN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWF	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Logistics Aircrewmen perform in-flight duties as a Loadmaster, Crew Chief, or Transport Aircrewmen in C-2/C-12/C-26/C-37/C-40/CMV-22/C-130 aircraft: perform and supervise the loading, rigging, and weight and balance calculations for internal cargo and passenger handling; demonstrate understanding of all aircraft systems, emergency procedures, flight and safety equipment, and hazardous material transport procedures; perform routine to advanced level maintenance, aircraft servicing, and ground handling operations; knowledgeable in overseas flight missions, country clearance processes, and secondary mission support capabilities (i.e., Medical Evacuations (MEDEVAC), Search and Rescue, and Naval Special Warfare); and maintain C-2/C-40/CMV-22/C-130 aircraft while independently deployed.

DoD Relationship

Group Title	*DoD Code*
Air Crew, General	105000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Aircraft Cargo Handling Supervisor	53-1041.00	Transportation and Military Moving

Skills	Abilities
Critical Thinking	*Written Comprehension*
Operation and Control	*Deductive Reasoning*
Systems Analysis	*Problem Sensitivity*
Coordination	*Written Expression*
Judgment and Decision Making	*Near Vision*
Complex Problem Solving	*Information Ordering*
Instructing	*Oral Expression*
Management of Material Resources	*Manual Dexterity*
Operation Monitoring	*Category Flexibility*
Quality Control Analysis	*Inductive Reasoning*

AIRCRAFT SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Adjust aircraft engine power settings
E4	CORE	Communicate information using radios and Internal Communication Systems (ICS)
E4	CORE	Conduct aircraft systems testing
E4	CORE	Conduct Functional Check Flight (FCF)
E4	CORE	Control environmental systems
E4	NON-CORE	Control operations of aircraft engines
E4	CORE	Control operations of aircraft hydraulic systems
E4	CORE	Control operations of aircraft pneumatic systems
E4	NON-CORE	Control operations of anti-icing and de-icing systems
E4	NON-CORE	Control operations of liquid cooling systems
E4	NON-CORE	Initialize Global Positioning Satellite (GPS) equipment
E4	CORE	Maintain aircraft electrical systems
E4	CORE	Maintain aircraft fuel load balance
E4	CORE	Maintain aircraft pressurization
E4	CORE	Perform aircraft electrical systems operations
E4	CORE	Perform aircraft radar system operations
E4	CORE	Perform Auxiliary Power Unit (APU) operations

AIRCRAFT SYSTEM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform fuel systems operations
E5	CORE	Perform navigation systems operations
E4	CORE	Perform radio system operations
E4	NON-CORE	Perform winch operations

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Administer Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E6	NON-CORE	Develop aircrew course curriculum
E6	NON-CORE	Develop training and readiness matrices
E6	NON-CORE	Evaluate aircrew training programs
E5	NON-CORE	Maintain Air Combat Training Continuum (ACTC) training jackets
E5	CORE	Maintain aircrew training jackets
E5	CORE	Maintain training and readiness matrices
E6	CORE	Manage aircrew training programs
E6	CORE	Manage Crew Resource Management (CRM) programs
E5	CORE	Record individual flight time summaries
E5	CORE	Verify Air Combat Training Continuum (ACTC) qualifications in training jackets

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E4	CORE	Assign aircraft ditching stations
E4	CORE	Calculate fuel requirements
E4	CORE	Compute aircraft load limitations
E4	CORE	Compute aircraft weight and balances
E4	CORE	Compute takeoff, landing, and in-flight performance
E5	CORE	Coordinate logistical operations
E4	CORE	Inspect aircraft and personal survival equipment
E4	NON-CORE	Inspect Search And Rescue (SAR) equipment
E4	NON-CORE	Jettison cargo
E4	CORE	Perform aircraft emergency procedures
E4	CORE	Perform aircraft fueling
E4	CORE	Perform aircraft safety and emergency equipment operations
E4	CORE	Perform Crew Resource Management (CRM)
E4	NON-CORE	Perform Emergency Destruction Plan (EDP) procedures
E4	CORE	Perform hand-signals to communicate
E4	CORE	Perform in-flight status system checks
E4	CORE	Perform land and sea survival techniques
E4	NON-CORE	Perform Medical Evacuations (MEDEVAC)
E4	NON-CORE	Perform Night Vision Device (NVD) operations

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform passenger safety briefs
E4	CORE	Perform pre-flight and post-flight aircraft inspections
E4	CORE	Prepare aircraft for static displays
E5	CORE	Prepare mission capability briefs
E4	NON-CORE	Report contacts
E4	CORE	Secure cargo and equipment

AIRCREW TRAINING

Paygrade	Task Type	Task Statements
E5	CORE	Administer aircrew training programs
E5	CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E5	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) flight/ground training
E5	CORE	Conduct training utilizing Weapons Systems Trainer (WST) or Operational Flight Trainer (OFT)
E5	CORE	Develop Naval Air Training and Operating Procedures Standardization (NATOPS) lesson materials
E5	NON-CORE	Develop training device scenarios
E5	CORE	Evaluate aircrew qualification and readiness programs
E5	CORE	Facilitate Air Combat Training Continuum (ACTC) flight/ground training
E5	CORE	Facilitate Crew Resource Management (CRM) training

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Brief maintenance operations (i.e., maintenance control and work center)
E4	CORE	Conduct Functional Check Flight (FCF) briefs and debriefs
E4	CORE	Document aircraft discrepancies
E4	CORE	Document aircraft maintenance
E4	CORE	Initiate maintenance actions with Optimized Organizational Maintenance Activity Naval Aviation Logistics Command Managed Information System (OOMA NALCOMIS)
E5	CORE	Manage aircraft and personnel readiness databases
E7	CORE	Manage cannibalization actions
E6	CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Manage scheduled and unscheduled maintenance
E5	CORE	Manage workload reports
E6	CORE	Release aircraft Safe For Flight (SFF)
E7	CORE	Schedule aircraft for maintenance
E7	CORE	Schedule aircraft for phase/Planned Maintenance Intervals (PMI)
E7	CORE	Schedule aircraft inspections
E5	CORE	Screen Visual Information Display System/Maintenance Action Forms (VIDS/MAF)
E5	CORE	Supervise scheduled and unscheduled maintenance

MAINTENANCE ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Update Monthly Maintenance Plans (MMP)/Monthly Personnel Plans (MPP)
E6	CORE	Verify aircraft logbooks
E7	CORE	Verify aircraft records for compliance
E6	CORE	Verify Maintenance Data Reporting (MDR)
E4	CORE	Verify Monthly Maintenance Plans (MMP)/Monthly Personnel Plans (MPP)
E4	CORE	Verify Naval Aviation Maintenance Programs (NAMP) compliance
E6	CORE	Verify Technical Directive (TD) compliance

MAINTENANCE SUPPORT

Paygrade	Task Type	Task Statements
E4	CORE	Inspect aircraft and aircraft components for corrosion
E4	CORE	Inventory tools
E4	CORE	Maintain air refueling systems
E4	CORE	Maintain aircraft communication systems
E4	CORE	Maintain aircraft hydraulic systems
E4	CORE	Maintain anti-ice systems
E4	CORE	Maintain automatic flight control systems
E4	CORE	Maintain environmental systems
E4	NON-CORE	Maintain extended range fuel tanks
E4	CORE	Maintain flight control systems
E4	CORE	Maintain landing gear assemblies
E4	CORE	Maintain navigation systems
E4	CORE	Maintain pneumatic systems
E4	CORE	Maintain pressurization systems
E4	CORE	Perform aircraft conditional inspections
E4	CORE	Perform aircraft daily inspections
E4	CORE	Perform aircraft ground handling operations
E4	CORE	Perform aircraft servicing procedures
E4	CORE	Perform aircraft special inspections
E4	CORE	Perform aircraft turnaround inspections
E5	NON-CORE	Perform certification inspections on aviation combat systems
E4	CORE	Perform corrosion prevention procedures
E4	CORE	Perform preservation and depreservation procedures
E5	CORE	Perform Quality Assurance (QA) inspections
E4	CORE	Perform Support Equipment (SE) inspections (e.g., daily, preoperational, etc.)
E4	CORE	Perform Support Equipment (SE) operations
E4	CORE	Supervise aircraft towing and pushback operations
E4	CORE	Treat aircraft corrosion

OPERATIONS AND LOGISTICS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Conduct air logistics
E4	CORE	Conduct aircrew mission briefs and debriefs
E4	NON-CORE	Conduct Humanitarian Assistance and Disaster Relief (HADR) operations
E4	CORE	Conduct passenger transports
E4	CORE	Configure aircraft for mission requirements
E6	CORE	Coordinate aircraft availability for long and short range planning
E5	NON-CORE	Coordinate airlift support
E4	NON-CORE	Coordinate cargo transports
E4	NON-CORE	Coordinate Humanitarian Assistance and Disaster Relief (HADR) operations
E5	NON-CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E5	CORE	Coordinate operations per mission requirements
E7	NON-CORE	Coordinate tactical exercises and missions
E4	CORE	Document logistics flight records
E7	NON-CORE	Manage Humanitarian Assistance and Disaster Relief (HADR) operations
E4	NON-CORE	Perform expeditious cargo offload
E4	CORE	Perform flight and mission planning
E4	CORE	Perform pre-deployment and post-deployment procedures
E4	CORE	Perform warfare exercises
E4	CORE	Prepare flight hour reports
E4	CORE	Prepare flight schedules
E5	CORE	Report aircraft mission capability status
E5	NON-CORE	Supervise alert aircraft procedures
E4	NON-CORE	Supervise Humanitarian Assistance and Disaster Relief (HADR) operations
E4	NON-CORE	Support Naval Special Warfare (NSW) operations
E4	CORE	Verify flight packet contents

Job Title **Job Code**

Unmanned Aerial Vehicle (UAV) Operator/Maintainer 002826

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	UAV OPERATOR/MAINTAINER	UAV OP/MAIN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWF	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Unmanned Aerial Vehicle (UAV) Operator/Maintainers directly control the flight of the UAVs during launch and recovery operations by visual reference to the UAV: operate and navigate UAVs during en route, mission, and return phases of flight; perform organizational level maintenance on UAV systems and Support Equipment (SE); operate and maintain Electro-Optical and Infrared (EO/IR) targeting systems; demonstrate knowledge in meteorology, aerodynamics, power plants, radios, and air traffic control; and perform basic and advanced support operations.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Air Crew, General	105000	Airline Pilots, Copilots, and Flight Engineers	53-2011.00	Transportation and Material Moving

Skills	Abilities
Critical Thinking	*Written Comprehension*
Operation and Control	*Deductive Reasoning*
Systems Analysis	*Written Expression*
Coordination	*Problem Sensitivity*
Judgment and Decision Making	*Information Ordering*
Complex Problem Solving	*Near Vision*
Operation Monitoring	*Oral Expression*
Instructing	*Manual Dexterity*
Monitoring	*Category Flexibility*
Quality Control Analysis	*Control Precision*

AIRCRAFT SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Adjust aircraft engine power settings
E4	CORE	Communicate information using radios and Internal Communication Systems (ICS)
E4	CORE	Conduct aircraft systems testing
E4	CORE	Conduct Functional Check Flight (FCF)
E4	CORE	Control environmental systems
E4	NON-CORE	Control operations of aircraft engines
E4	CORE	Control operations of aircraft hydraulic systems
E4	CORE	Control operations of aircraft pneumatic systems
E4	NON-CORE	Control operations of anti-icing and de-icing systems
E4	NON-CORE	Control operations of liquid cooling systems
E4	NON-CORE	Initialize Global Positioning Satellite (GPS) equipment
E4	CORE	Maintain aircraft electrical systems
E4	CORE	Maintain aircraft fuel load balance
E4	CORE	Maintain aircraft pressurization
E4	NON-CORE	Operate propeller systems
E4	CORE	Perform aircraft electrical systems operations
E4	CORE	Perform aircraft radar system operations

AIRCRAFT SYSTEM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Perform camera systems operations
E4	CORE	Perform fuel systems operations
E5	CORE	Perform navigation systems operations
E4	CORE	Perform radio system operations

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Administer Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E6	NON-CORE	Develop aircrew course curriculum
E6	NON-CORE	Develop training and readiness matrices
E6	NON-CORE	Evaluate aircrew training programs
E5	NON-CORE	Maintain Air Combat Training Continuum (ACTC) training jackets
E5	CORE	Maintain aircrew training jackets
E5	CORE	Maintain training and readiness matrices
E6	CORE	Manage aircrew training programs
E6	CORE	Manage Crew Resource Management (CRM) programs
E5	CORE	Record individual flight time summaries
E5	CORE	Verify Air Combat Training Continuum (ACTC) qualifications in training jackets

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E4	CORE	Calculate fuel requirements
E4	CORE	Compute aircraft load limitations
E4	CORE	Compute aircraft weight and balances
E4	CORE	Compute takeoff, landing, and in-flight performance
E5	CORE	Coordinate logistical operations
E4	CORE	Perform aircraft emergency procedures
E4	CORE	Perform aircraft fueling
E4	CORE	Perform aircraft safety and emergency equipment operations
E4	CORE	Perform Crew Resource Management (CRM)
E4	NON-CORE	Perform Emergency Destruction Plan (EDP) procedures
E4	CORE	Perform hand-signals to communicate
E4	CORE	Perform in-flight status system checks
E4	CORE	Perform land and sea survival techniques
E4	NON-CORE	Perform Night Vision Device (NVD) operations
E4	CORE	Perform pre-flight and post-flight aircraft inspections
E5	NON-CORE	Pilot Unmanned Aerial Vehicles (UAV)
E4	CORE	Prepare aircraft for static displays
E5	CORE	Prepare mission capability briefs
E4	NON-CORE	Report contacts

AIRCREW TRAINING

Paygrade	Task Type	Task Statements
E5	CORE	Administer aircrew training programs
E5	CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E5	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) flight/ground training
E5	CORE	Conduct training utilizing Weapons Systems Trainer (WST) or Operational Flight Trainer (OFT)
E5	CORE	Develop Naval Air Training and Operating Procedures Standardization (NATOPS) lesson materials
E5	NON-CORE	Develop training device scenarios
E5	CORE	Evaluate aircrew qualification and readiness programs
E5	CORE	Facilitate Air Combat Training Continuum (ACTC) flight/ground training
E5	CORE	Facilitate Crew Resource Management (CRM) training

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Brief maintenance operations (i.e., maintenance control and work center)
E4	CORE	Conduct Functional Check Flight (FCF) briefs and debriefs
E4	CORE	Document aircraft discrepancies
E4	CORE	Document aircraft maintenance
E4	CORE	Initiate maintenance actions with Optimized Organizational Maintenance Activity Naval Aviation Logistics Command Managed Information System (OOMA NALCOMIS)
E5	CORE	Manage aircraft and personnel readiness databases
E7	CORE	Manage cannibalization actions
E6	CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E6	CORE	Manage scheduled and unscheduled maintenance
E5	CORE	Manage workload reports
E6	CORE	Release aircraft Safe For Flight (SFF)
E7	CORE	Schedule aircraft for maintenance
E7	CORE	Schedule aircraft for phase/Planned Maintenance Intervals (PMI)
E7	CORE	Schedule aircraft inspections
E5	CORE	Screen Visual Information Display System/Maintenance Action Forms (VIDS/MAF)
E5	CORE	Supervise scheduled and unscheduled maintenance
E5	CORE	Update Monthly Maintenance Plans (MMP)/Monthly Personnel Plans (MPP)
E6	CORE	Verify aircraft logbooks
E7	CORE	Verify aircraft records for compliance
E6	CORE	Verify Maintenance Data Reporting (MDR)
E4	CORE	Verify Monthly Maintenance Plans (MMP)/Monthly Personnel Plans (MPP)
E4	CORE	Verify Naval Aviation Maintenance Programs (NAMP) compliance
E6	CORE	Verify Technical Directive (TD) compliance

MAINTENANCE SUPPORT

Paygrade	Task Type	Task Statements
E4	CORE	Inspect aircraft and aircraft components for corrosion
E4	CORE	Inventory tools
E4	CORE	Maintain air refueling systems
E4	CORE	Maintain aircraft hydraulic systems
E4	CORE	Maintain anti-ice systems
E4	CORE	Maintain automatic flight control systems
E4	CORE	Maintain environmental systems
E4	NON-CORE	Maintain extended range fuel tanks
E4	CORE	Maintain flight control systems
E4	CORE	Maintain landing gear assemblies
E4	CORE	Maintain navigation systems
E4	CORE	Maintain pneumatic systems
E4	CORE	Maintain pressurization systems
E4	CORE	Perform aircraft conditional inspections
E4	CORE	Perform aircraft daily inspections
E4	CORE	Perform aircraft ground handling operations
E4	CORE	Perform aircraft servicing procedures
E4	CORE	Perform aircraft special inspections
E4	CORE	Perform aircraft turnaround inspections
E5	NON-CORE	Perform certification inspections on aviation combat systems
E4	CORE	Perform corrosion prevention procedures
E4	CORE	Perform preservation and depreservation procedures
E5	CORE	Perform Quality Assurance (QA) inspections
E4	CORE	Perform Support Equipment (SE) inspections (e.g., daily, preoperational, etc.)
E4	CORE	Perform Support Equipment (SE) operations
E4	CORE	Supervise aircraft towing and pushback operations
E4	CORE	Treat aircraft corrosion

OPERATIONS AND LOGISTICS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct aircrew mission briefs and debriefs
E4	NON-CORE	Conduct Humanitarian Assistance and Disaster Relief (HADR) operations
E4	CORE	Configure aircraft for mission requirements
E6	CORE	Coordinate aircraft availability for long and short range planning
E5	NON-CORE	Coordinate airlift support
E4	NON-CORE	Coordinate Humanitarian Assistance and Disaster Relief (HADR) operations
E5	NON-CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E5	CORE	Coordinate operations per mission requirements
E7	NON-CORE	Coordinate tactical exercises and missions
E4	CORE	Document logistics flight records

OPERATIONS AND LOGISTICS (CONT'D)

Paygrade	Task Type	Task Statements
E7	NON-CORE	Manage Humanitarian Assistance and Disaster Relief (HADR) operations
E4	CORE	Perform flight and mission planning
E4	CORE	Perform pre-deployment and post-deployment procedures
E4	CORE	Perform warfare exercises
E4	CORE	Prepare flight hour reports
E4	CORE	Prepare flight schedules
E5	CORE	Report aircraft mission capability status
E5	NON-CORE	Supervise alert aircraft procedures
E4	NON-CORE	Supervise Humanitarian Assistance and Disaster Relief (HADR) operations
E4	NON-CORE	Support Naval Special Warfare (NSW) operations
E4	CORE	Verify flight packet contents

CHAPTER 12

NAVAL AIRCREWMAN (OPERATOR) (AWO)

NAVPERS 18068F-12J
Change 100

Updated: October 2024

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

NAVAL AIRCREWMEN (OPERATOR) (AWO)

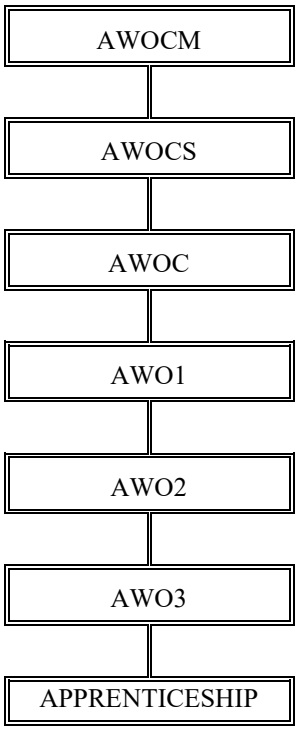
SCOPE OF RATING

Naval Aircrewmen (Operator) (AWO) operate advanced airborne tactical systems onboard Maritime Patrol and Reconnaissance Aircraft (MPRA) and Unmanned Aerial Systems (UAS) utilizing Mission Acoustic Subsystem (MAS), Radio Detection and Ranging (RADAR), Electronic Support Measures (ESM), Identification Friend or Foe/Selective Identification Feature (IFF/SIF), Multi-Static Active Coherent system, active, passive, and special sonobuoy, Advanced Airborne Sensor (AAS), Electronic Intelligence (ELINT), and Electro-Optic/Infrared (EO/IR) sensors to detect, analyze, classify, track, and attack surface, subsurface, land, and airborne contacts; support mission planning, safeguard classified material, handle ordnance, collect and produce intelligence products for aircrews and theater Commanders in support of operations and tactical missions worldwide.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 12.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Acoustic Systems Specialist 002544

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	ACOUSTIC SYSTEMS SPECIALIST	NAC ACOUS SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWO	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Acoustic Systems Specialists are members of an integrated Combat Aircrew aboard Maritime Patrol and Reconnaissance Aircraft (MPRA); perform aircrew duties to detect, analyze, classify, track, and attack surface and subsurface contacts utilizing state of the art acoustic technology; operate advanced tactical systems utilizing sonobuoys, acoustic and oceanographic data, hand-held imagery devices, Electro-Optic/Infrared (EO/IR) and Advanced Airborne Sensor (AAS); attain and maintain aircrew qualifications and certifications; handle ordnance; train in acoustic intelligence analysis; support mission planning, safeguard classified material, and train to conduct tactical operations worldwide.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Sonar Operator, General	121000	Air Crew Members	55-3011.00	Military Specific

Skills	Abilities
Coordination	*Information Ordering*
Operation and Control	*Deductive Reasoning*
Management of Material Resources	*Written Expression*
Critical Thinking	*Inductive Reasoning*
Complex Problem Solving	*Oral Expression*
Monitoring	*Problem Sensitivity*
Judgment and Decision Making	*Written Comprehension*
Speaking	*Memorization*
Learning Strategies	*Oral Comprehension*
Writing	*Spatial Orientation*

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	NON-CORE	Brief fleet acquisition programs
E7	NON-CORE	Brief fleet aviation training requirements to upper echelon
E6	NON-CORE	Conduct Flight Order Audit Boards (FOAB)
E4	CORE	Maintain tactical publication library
E7	CORE	Manage aircrew assignments
E7	NON-CORE	Manage fleet acquisition programs
E5	CORE	Manage Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E7	CORE	Manage Temporary Flight Orders (TFO) program
E6	CORE	Prepare flight hour reports
E5	CORE	Prepare flight schedules
E5	CORE	Prepare mission capability briefs
E4	CORE	Update flight time logbooks
E4	CORE	Verify individual flight time summaries

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E4	CORE	Analyze mission tactical plots during on-station period
E4	CORE	Analyze threat data
E4	NON-CORE	Assign aircraft ditching stations

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Capture aerial hand-held photography
E4	CORE	Classify visual contacts
E4	CORE	Collect Acoustic Intelligence (ACINT)
E5	CORE	Conduct aircraft integrity inspections
E5	NON-CORE	Conduct Unmanned Aerial Vehicle (UAV) operations
E5	CORE	Conduct visual searches
E5	NON-CORE	Conduct weapons bay door operations
E4	CORE	Configure aircraft equipment for rescue missions
E4	CORE	Configure aircraft for internal cargo operations
E5	CORE	Develop tactical search plan
E4	CORE	Document aircraft discrepancies
E4	CORE	Document in-flight maintenance
E4	CORE	Identify stores/pyrotechnic communications
E4	CORE	Monitor Automatic Identification System (AIS) surface contacts
E4	CORE	Monitor engine start-ups
E4	CORE	Monitor weapons employment
E4	CORE	Perform Advanced Airborne Sensor (AAS) operations
E4	CORE	Perform aircraft emergency procedures
E4	CORE	Perform aircraft ground handling operations
E5	NON-CORE	Perform aircraft loss communication procedures
E4	CORE	Perform aircraft pre-flight and post-flight inspections
E4	CORE	Perform aircraft safety and emergency equipment operations
E4	CORE	Perform aircraft security
E4	CORE	Perform Air-to-Air Refueling (AAR) procedures
E4	CORE	Perform Auxiliary Power Unit (APU) operations
E4	CORE	Perform Bomb Hit Assessments (BHA)
E4	CORE	Perform Crew Resource Management (CRM)
E4	CORE	Perform drug interdiction operations
E4	CORE	Perform individual aircrew mission briefs
E4	CORE	Perform in-flight observer duties
E4	CORE	Perform mission planning
E4	CORE	Perform passenger safety briefs
E4	CORE	Perform pre-flight and post-flight checks of survival equipment
E4	NON-CORE	Perform preservation and depreservation procedures
E4	CORE	Perform Search And Rescue (SAR) procedures
E4	CORE	Plot geographical areas
E4	CORE	Plot Position of Intended Movement (PIM) tracks
E4	CORE	Plot tactical symbologies
E4	NON-CORE	Prepare aircraft for static displays

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Prepare mission summary logs
E4	CORE	Review aircraft records
E4	CORE	Troubleshoot tactical systems
E4	CORE	Update tactical databases
E4	CORE	Verify attack criteria for recommended weapons release

AIRCREW TRAINING

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E6	CORE	Analyze monthly training and operation reports
E5	CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E5	CORE	Conduct individual and crew tactical evaluations
E5	NON-CORE	Conduct land survival training
E5	NON-CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E5	CORE	Control operations of Weapons Systems Trainer (WST)
E6	NON-CORE	Coordinate warfare exercises
E5	NON-CORE	Coordinate weapons systems designs with contract engineers
E5	CORE	Determine aircrew requirements for flight events and training devices
E5	CORE	Develop aircrew training plans
E5	NON-CORE	Develop tactical exams
E5	NON-CORE	Develop tactical proficiency programs
E5	NON-CORE	Develop tactical Weapons Systems Trainer (WST) scenarios
E5	CORE	Evaluate aircrew qualification and readiness programs
E5	NON-CORE	Evaluate aircrew training programs
E5	NON-CORE	Evaluate tactical equipment programs
E5	NON-CORE	Implement aircrew course curriculum changes
E6	CORE	Manage Air Combat Training Continuum (ACTC) programs
E5	CORE	Manage aircrew training materials
E6	CORE	Manage aircrew training programs
E5	CORE	Manage Crew Resource Management (CRM) programs
E6	NON-CORE	Manage readiness evaluation programs
E7	NON-CORE	Monitor Fleet Replacement Squadron (FRS) student production
E5	CORE	Prepare monthly training and operation reports
E5	CORE	Prepare tactical lessons learned
E7	CORE	Verify training and readiness matrix

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Conduct communication through visual/hand signals
E4	CORE	Control operations of communications equipment

COMMUNICATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Interpret tactical messages
E4	CORE	Monitor radio communications
E4	CORE	Perform brevity code communications
E4	CORE	Perform on-station mission turnovers/swaps
E7	CORE	Perform Operational Reporting (OPREP) procedures
E4	CORE	Report contacts
E4	CORE	Report in-flight status
E4	CORE	Report Targets of Interest (TOI)
E4	CORE	Review card of the day
E4	CORE	Safeguard Communications Security (COMSEC) classified materials
E4	CORE	Transfer Communications Security (COMSEC) materials

ENVIRONMENTAL

Paygrade	Task Type	Task Statements
E4	CORE	Analyze environmental data
E4	CORE	Determine optimal sonobuoy depths
E4	CORE	Determine sensor effectiveness/placement in given environmental conditions
E4	CORE	Perform environmental calculations
E4	CORE	Record on-station environmental data

OPERATIONS AND LOGISTICS MANAGEMENT

Paygrade	Task Type	Task Statements
E7	NON-CORE	Conduct detachment site surveys
E6	NON-CORE	Coordinate aircraft assignments with maintenance control
E7	CORE	Coordinate aircraft availability for long and short range planning
E6	NON-CORE	Coordinate airlift support
E7	CORE	Coordinate logistical operations
E6	NON-CORE	Manage flight operations
E7	CORE	Manage Humanitarian Assistance and Disaster Relief (HADR) mission
E7	CORE	Manage operation assets
E6	CORE	Organize Search And Rescue (SAR) and Combat Search And Rescue (CSAR) operations
E4	CORE	Perform Humanitarian Assistance and Disaster Relief (HADR) operations
E4	CORE	Perform passenger transports
E6	NON-CORE	Prepare country clearance requests
E5	NON-CORE	Verify hot areas and air space restrictions

PYROTECHNICS/STORES

Paygrade	Task Type	Task Statements
E4	CORE	Deploy search stores/pyrotechnics
E4	CORE	Identify capabilities and limitations of search stores
E4	CORE	Inspect search stores/pyrotechnics

PYROTECHNICS/STORES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Load search stores/pyrotechnics
E4	CORE	Monitor sonobuoy deployment
E4	CORE	Track search stores/pyrotechnics expenditures

SENSOR SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Acquire signals for recording
E4	CORE	Analyze passive, active, and multi-static acoustic contact data
E4	CORE	Classify Electro-Optical (EO) and Infrared (IR) contact information
E4	CORE	Classify passive, active, and multi-static acoustic contact data
E5	NON-CORE	Conduct aircraft systems testing
E5	CORE	Conduct Electro-Optical (EO) and Infrared (IR) surveillance
E4	CORE	Configure operating software
E4	CORE	Coordinate positional signal detections
E4	CORE	Determine non-target data
E4	CORE	Identify sonobuoy aural cues
E4	NON-CORE	Load mission software
E4	CORE	Manage acoustic mission equipment
E4	CORE	Manage mission systems
E4	CORE	Monitor in-flight aircraft stand-offs
E4	CORE	Optimize sensor effectiveness
E4	CORE	Perform audio/video recording procedures
E4	CORE	Perform in-flight imagery analysis
E5	CORE	Perform mission equipment operational checks
E4	CORE	Perform multi-static searches
E4	CORE	Perform passive acoustic searches
E4	CORE	Track Target of Interest (TOI)

TACTICAL OPERATIONS CENTER (TOC)/MOBILE TACTICAL OPERATIONS CENTERS (MTOC)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze tactical missions data/Post Mission Analysis (PMA)
E5	NON-CORE	Conduct Carrier, Fixed Wing Aircraft, Nuclear Tactical Operation Center (CVN-TOC) operations
E5	CORE	Conduct crew mission briefs and debriefs
E5	NON-CORE	Conduct Mobile Tactical Operations Center (MTOC) loadmaster responsibilities
E5	NON-CORE	Conduct watch team positional training
E5	NON-CORE	Control operations of analysis equipment
E7	NON-CORE	Coordinate Naval Special Warfare (NSW) operations
E6	NON-CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E5	NON-CORE	Coordinate operations with tactical watch officers
E6	CORE	Coordinate tactical exercises and missions

TACTICAL OPERATIONS CENTER (TOC)/MOBILE TACTICAL OPERATIONS CENTERS (MTOC) (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Issue mission equipment
E4	NON-CORE	Perform Support Equipment (SE) operations
E5	NON-CORE	Prepare post-flight Naval messages
E7	NON-CORE	Release post-mission data in Naval messages
E5	NON-CORE	Setup communication antenna fields
E5	CORE	Setup tactical stations
E5	NON-CORE	Supervise Support Equipment (SE) operations

TARGET MOTION ANALYSIS AND TACTICAL CALCULATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Calculate active and passive ranges
E4	CORE	Calculate Figure of Merit (FOM)
E4	CORE	Calculate visual search altitudes
E4	CORE	Define Area of Probability (AOP)
E4	CORE	Determine Target of Interest (TOI) datum
E4	CORE	Identify contact's Closest Point of Approach (CPA)
E4	CORE	Perform Target Motion Analysis (TMA) calculations

Job Title **Job Code**

Electronic Warfare Systems Specialist 002571

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	ELECTRONIC WARFARE SYS SPEC	EW SYS SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWO	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Electronic Warfare Systems Specialists are members of an integrated Combat Aircrew aboard Maritime Patrol and Reconnaissance Aircraft (MPRA) and Unmanned Aircraft Systems (UAS); perform aircrew duties to detect, analyze, classify, localize, track, and attack surface, subsurface, land, and airborne contacts; operate radar, Electronic Support Systems (ES), Identification Friend or Foe/Selective Identification Feature (IFF/SIF), and Electro-Optic/Infrared (EO/IR) systems; coordinate with surface, ground and air assets; attain and maintain aircrew qualifications and certifications; handle ordnance; train in Electronic Intelligence (ELINT) analysis; support mission planning, safeguard classified material, and train to conduct tactical operations worldwide.

DoD Relationship

Group Title	*DoD Code*
Sonar Operator, General	121000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Air Crew Members	55-3011.00	Military Specific

Skills	Abilities
Operation and Control	*Information Ordering*
Coordination	*Deductive Reasoning*
Management of Material Resources	*Written Expression*
Critical Thinking	*Inductive Reasoning*
Complex Problem Solving	*Oral Expression*
Monitoring	*Problem Sensitivity*
Systems Analysis	*Memorization*
Judgment and Decision Making	*Written Comprehension*
Speaking	*Spatial Orientation*
Learning Strategies	*Oral Comprehension*

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	NON-CORE	Brief fleet acquisition programs
E7	NON-CORE	Brief fleet aviation training requirements to upper echelon
E6	NON-CORE	Conduct Flight Order Audit Boards (FOAB)
E4	CORE	Maintain tactical publication library
E7	CORE	Manage aircrew assignments
E7	NON-CORE	Manage fleet acquisition programs
E5	CORE	Manage Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E7	CORE	Manage Temporary Flight Orders (TFO) program
E6	CORE	Prepare flight hour reports
E5	CORE	Prepare flight schedules
E5	CORE	Prepare mission capability briefs
E4	CORE	Update flight time logbooks
E4	CORE	Verify individual flight time summaries

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E4	CORE	Analyze mission tactical plots during on-station period
E4	CORE	Analyze threat data

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Assign aircraft ditching stations
E4	CORE	Classify visual contacts
E5	CORE	Conduct aircraft integrity inspections
E5	NON-CORE	Conduct Unmanned Aerial Vehicle (UAV) operations
E5	CORE	Conduct visual searches
E5	NON-CORE	Conduct weapons bay door operations
E4	CORE	Configure aircraft equipment for rescue missions
E4	CORE	Configure aircraft for internal cargo operations
E5	CORE	Develop tactical search plan
E4	CORE	Document aircraft discrepancies
E4	CORE	Document in-flight maintenance
E4	CORE	Identify stores/pyrotechnic communications
E4	CORE	Monitor Automatic Identification System (AIS) surface contacts
E4	CORE	Monitor engine start-ups
E4	CORE	Monitor weapons employment
E4	CORE	Perform aircraft emergency procedures
E5	NON-CORE	Perform aircraft fueling
E4	CORE	Perform aircraft ground handling operations
E5	NON-CORE	Perform aircraft loss communication procedures
E4	CORE	Perform aircraft pre-flight and post-flight inspections
E4	CORE	Perform aircraft safety and emergency equipment operations
E4	CORE	Perform aircraft security
E4	CORE	Perform Air-to-Air Refueling (AAR) procedures
E4	CORE	Perform Auxiliary Power Unit (APU) operations
E4	CORE	Perform Bomb Hit Assessments (BHA)
E4	CORE	Perform Crew Resource Management (CRM)
E4	CORE	Perform drug interdiction operations
E4	CORE	Perform individual aircrew mission briefs
E4	CORE	Perform in-flight observer duties
E4	CORE	Perform mission planning
E4	CORE	Perform passenger safety briefs
E4	CORE	Perform pre-flight and post-flight checks of survival equipment
E4	NON-CORE	Perform preservation and depreservation procedures
E4	CORE	Perform Search And Rescue (SAR) procedures
E4	CORE	Plot geographical areas
E4	CORE	Plot Position of Intended Movement (PIM) tracks
E4	CORE	Plot tactical symbologies

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Prepare aircraft for static displays
E4	CORE	Prepare mission summary logs
E4	CORE	Program Electronic Warfare Support (ES) libraries
E4	CORE	Review aircraft records
E4	CORE	Troubleshoot tactical systems
E4	CORE	Update tactical databases
E4	CORE	Verify attack criteria for recommended weapons release

AIRCREW TRAINING

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E6	CORE	Analyze monthly training and operation reports
E5	CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E5	CORE	Conduct individual and crew tactical evaluations
E5	NON-CORE	Conduct land survival training
E5	NON-CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E5	CORE	Control operations of Weapons Systems Trainer (WST)
E6	NON-CORE	Coordinate warfare exercises
E5	NON-CORE	Coordinate weapons systems designs with contract engineers
E5	CORE	Determine aircrew requirements for flight events and training devices
E5	CORE	Develop aircrew training plans
E5	NON-CORE	Develop tactical exams
E5	NON-CORE	Develop tactical proficiency programs
E5	NON-CORE	Develop tactical Weapons Systems Trainer (WST) scenarios
E5	CORE	Evaluate aircrew qualification and readiness programs
E5	NON-CORE	Evaluate aircrew training programs
E5	NON-CORE	Evaluate tactical equipment programs
E5	NON-CORE	Implement aircrew course curriculum changes
E6	CORE	Manage Air Combat Training Continuum (ACTC) programs
E5	CORE	Manage aircrew training materials
E6	CORE	Manage aircrew training programs
E5	CORE	Manage Crew Resource Management (CRM) programs
E6	NON-CORE	Manage readiness evaluation programs
E7	NON-CORE	Monitor Fleet Replacement Squadron (FRS) student production
E5	CORE	Prepare monthly training and operation reports
E5	CORE	Prepare tactical lessons learned
E7	CORE	Verify training and readiness matrix

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Conduct communication through visual/hand signals
E4	CORE	Control operations of communications equipment
E4	CORE	Interpret tactical messages
E4	CORE	Monitor radio communications
E4	CORE	Perform brevity code communications
E4	CORE	Perform on-station mission turnovers/swaps
E7	CORE	Perform Operational Reporting (OPREP) procedures
E4	CORE	Report contacts
E4	CORE	Report in-flight status
E4	CORE	Report Targets of Interest (TOI)
E4	CORE	Review card of the day
E4	CORE	Safeguard Communications Security (COMSEC) classified materials
E4	CORE	Transfer Communications Security (COMSEC) materials

ENVIRONMENTAL

Paygrade	Task Type	Task Statements
E4	CORE	Analyze environmental data
E4	CORE	Determine sensor effectiveness/placement in given environmental conditions
E4	CORE	Perform environmental calculations
E4	CORE	Record on-station environmental data

OPERATIONS AND LOGISTICS MANAGEMENT

Paygrade	Task Type	Task Statements
E7	NON-CORE	Conduct detachment site surveys
E6	NON-CORE	Coordinate aircraft assignments with maintenance control
E7	CORE	Coordinate aircraft availability for long and short range planning
E6	NON-CORE	Coordinate airlift support
E7	CORE	Coordinate logistical operations
E6	NON-CORE	Manage flight operations
E7	CORE	Manage Humanitarian Assistance and Disaster Relief (HADR) mission
E7	CORE	Manage operation assets
E6	CORE	Organize Search And Rescue (SAR) and Combat Search And Rescue (CSAR) operations
E4	CORE	Perform Humanitarian Assistance and Disaster Relief (HADR) operations
E4	CORE	Perform passenger transports
E6	NON-CORE	Prepare country clearance requests
E5	NON-CORE	Verify hot areas and air space restrictions

PYROTECHNICS/STORES

Paygrade	Task Type	Task Statements
E4	CORE	Deploy search stores/pyrotechnics
E4	CORE	Identify capabilities and limitations of search stores

PYROTECHNICS/STORES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Inspect search stores/pyrotechnics
E4	CORE	Load search stores/pyrotechnics
E4	CORE	Monitor sonobuoy deployment
E4	CORE	Track search stores/pyrotechnics expenditures

SENSOR SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Acquire signals for recording
E4	CORE	Analyze Electronic Support Measures (ESM) contacts
E4	CORE	Analyze mission radar data
E4	CORE	Analyze Synthetic Aperture Radar (SAR) contact information
E4	CORE	Classify Electronic Support Measures (ESM) contact information
E4	CORE	Classify Electro-Optical (EO) and Infrared (IR) contact information
E4	CORE	Classify Inverse Synthetic-Aperture Radar (ISAR) contact information
E4	CORE	Collect Specific Emitter Identification (SEI) data
E5	NON-CORE	Conduct aircraft systems testing
E5	CORE	Conduct Electronic Support Measures (ESM) searches
E5	CORE	Conduct Electro-Optical (EO) and Infrared (IR) surveillance
E5	CORE	Conduct Identification Friend or Foe (IFF) and Selective Identification Feature (SIF) interrogations
E5	CORE	Conduct Over-The-Horizon Targeting (OTHT)
E5	CORE	Conduct tactical airborne radar operations
E4	CORE	Configure operating software
E4	CORE	Coordinate positional signal detections
E4	CORE	Correlate Electronic Support Measures (ESM) contact information
E4	CORE	Determine non-target data
E4	NON-CORE	Load mission software
E4	CORE	Manage mission systems
E4	CORE	Monitor in-flight aircraft stand-offs
E4	CORE	Optimize sensor effectiveness
E4	CORE	Perform audio/video recording procedures
E4	CORE	Perform in-flight imagery analysis
E5	CORE	Perform mission equipment operational checks
E4	NON-CORE	Perform off-line radar operations
E4	CORE	Perform terrain avoidance radar navigation
E4	CORE	Perform weather avoidance radar navigation
E4	CORE	Track Target of Interest (TOI)

TACTICAL OPERATIONS CENTER (TOC)/MOBILE TACTICAL OPERATIONS CENTERS (MTOC)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze tactical missions data/Post Mission Analysis (PMA)
E5	NON-CORE	Conduct Carrier, Fixed Wing Aircraft, Nuclear Tactical Operation Center (CVN-TOC) operations
E5	CORE	Conduct crew mission briefs and debriefs
E5	NON-CORE	Conduct Mobile Tactical Operations Center (MTOC) loadmaster responsibilities
E5	NON-CORE	Conduct watch team positional training
E5	NON-CORE	Control operations of analysis equipment
E7	NON-CORE	Coordinate Naval Special Warfare (NSW) operations
E6	NON-CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E5	NON-CORE	Coordinate operations with tactical watch officers
E6	CORE	Coordinate tactical exercises and missions
E5	NON-CORE	Issue mission equipment
E4	NON-CORE	Perform Support Equipment (SE) operations
E5	NON-CORE	Prepare post-flight Naval messages
E7	NON-CORE	Release post-mission data in Naval messages
E5	NON-CORE	Setup communication antenna fields
E5	CORE	Setup tactical stations
E5	NON-CORE	Supervise Support Equipment (SE) operations

TARGET MOTION ANALYSIS AND TACTICAL CALCULATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Calculate Figure of Merit (FOM)
E4	CORE	Calculate visual search altitudes
E4	CORE	Compute radar contact intercepts
E4	CORE	Define Area of Probability (AOP)
E4	CORE	Determine Target of Interest (TOI) datum
E4	CORE	Identify contact's Closest Point of Approach (CPA)
E4	CORE	Perform Electronic Warfare (EW) calculations
E4	CORE	Perform Target Motion Analysis (TMA) calculations

Job Title **Job Code**

Operations, Training, And Readiness Specialist (Operator) 002827

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	OPS, TRNG, & RDNS SPEC OP	OT&R SPEC OP

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWO	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Operations, Training, and Readiness Specialists (Operator) are integral members of aviation commands: coordinate operational, administrative, and aircrew scheduling functions; administer and manage aircrew training programs and resources; analyze training resource requirements; review proposed training devices and programs; develop and revise curriculum; manage standardization of aircrew training to enhance proficiency and readiness; manage student quotas, qualifications and certifications; coordinate aircrew physical fitness and health program initiatives; track all aspects of aircrew performance data to support the rigorous demands of operational commitments worldwide; administer and direct the Naval Air Training and Operating Procedures Standardization (NATOPS) programs; and support tactics, training and readiness, weapons safety, Search and Rescue (SAR), and various other aircrew training/missions.

DoD Relationship

Group Title	*DoD Code*
Air Crew, General	105000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Training and Development Manager	11-3131.00	Management

Skills	Abilities
Management of Material Resources	*Information Ordering*
Coordination	*Written Expression*
Critical Thinking	*Inductive Reasoning*
Complex Problem Solving	*Written Comprehension*
Learning Strategies	*Deductive Reasoning*
Monitoring	*Oral Expression*
Operation and Control	*Oral Comprehension*
Management of Personnel Resources	*Problem Sensitivity*
Writing	*Fluency of Ideas*
Quality Control Analysis	*Spatial Orientation*

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	NON-CORE	Brief fleet acquisition programs
E7	NON-CORE	Brief fleet aviation training requirements to upper echelon
E6	NON-CORE	Conduct Flight Order Audit Boards (FOAB)
E4	CORE	Maintain tactical publication library
E7	CORE	Manage aircrew assignments
E7	NON-CORE	Manage fleet acquisition programs
E5	CORE	Manage Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E7	CORE	Manage Temporary Flight Orders (TFO) program
E6	CORE	Prepare flight hour reports
E5	CORE	Prepare flight schedules
E5	CORE	Prepare mission capability briefs
E4	CORE	Update flight time logbooks
E4	CORE	Verify individual flight time summaries

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E5	CORE	Develop tactical search plan
E4	CORE	Document aircraft discrepancies

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Document in-flight maintenance
E5	NON-CORE	Perform aircraft loss communication procedures
E4	CORE	Perform aircraft security
E4	CORE	Perform Crew Resource Management (CRM)
E4	CORE	Perform individual aircrew mission briefs
E4	CORE	Perform mission planning
E4	CORE	Plot geographical areas
E4	CORE	Plot Position of Intended Movement (PIM) tracks
E4	NON-CORE	Prepare aircraft for static displays
E4	CORE	Program Electronic Warfare Support (ES) libraries
E4	CORE	Review aircraft records
E4	CORE	Update tactical databases

AIRCREW TRAINING

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E6	CORE	Analyze monthly training and operation reports
E5	CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E5	CORE	Conduct individual and crew tactical evaluations
E5	NON-CORE	Conduct land survival training
E5	NON-CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E5	CORE	Control operations of Weapons Systems Trainer (WST)
E6	NON-CORE	Coordinate warfare exercises
E5	NON-CORE	Coordinate weapons systems designs with contract engineers
E5	CORE	Determine aircrew requirements for flight events and training devices
E5	CORE	Develop aircrew training plans
E5	NON-CORE	Develop tactical exams
E5	NON-CORE	Develop tactical proficiency programs
E5	NON-CORE	Develop tactical Weapons Systems Trainer (WST) scenarios
E5	CORE	Evaluate aircrew qualification and readiness programs
E5	NON-CORE	Evaluate aircrew training programs
E5	NON-CORE	Evaluate tactical equipment programs
E5	NON-CORE	Implement aircrew course curriculum changes
E6	CORE	Manage Air Combat Training Continuum (ACTC) programs
E5	CORE	Manage aircrew training materials
E6	CORE	Manage aircrew training programs
E5	CORE	Manage Crew Resource Management (CRM) programs
E6	NON-CORE	Manage readiness evaluation programs
E7	NON-CORE	Monitor Fleet Replacement Squadron (FRS) student production

AIRCREW TRAINING (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Prepare monthly training and operation reports
E5	CORE	Prepare tactical lessons learned
E7	CORE	Verify training and readiness matrix

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Interpret tactical messages
E7	CORE	Perform Operational Reporting (OPREP) procedures
E4	CORE	Safeguard Communications Security (COMSEC) classified materials
E4	CORE	Transfer Communications Security (COMSEC) materials

ENVIRONMENTAL

Paygrade	Task Type	Task Statements
E4	CORE	Analyze environmental data
E4	CORE	Determine sensor effectiveness/placement in given environmental conditions

OPERATIONS AND LOGISTICS MANAGEMENT

Paygrade	Task Type	Task Statements
E7	NON-CORE	Conduct detachment site surveys
E6	NON-CORE	Coordinate aircraft assignments with maintenance control
E7	CORE	Coordinate aircraft availability for long and short range planning
E6	NON-CORE	Coordinate airlift support
E7	CORE	Coordinate logistical operations
E6	NON-CORE	Manage flight operations
E7	CORE	Manage Humanitarian Assistance and Disaster Relief (HADR) mission
E7	CORE	Manage operation assets
E6	CORE	Organize Search And Rescue (SAR) and Combat Search And Rescue (CSAR) operations
E6	NON-CORE	Prepare country clearance requests
E5	NON-CORE	Verify hot areas and air space restrictions

PYROTECHNICS/STORES

Paygrade	Task Type	Task Statements
E4	CORE	Track search stores/pyrotechnics expenditures

SENSOR SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze passive, active, and multi-static acoustic contact data
E4	CORE	Analyze Synthetic Aperture Radar (SAR) contact information
E4	CORE	Classify Electro-Optical (EO) and Infrared (IR) contact information
E4	CORE	Classify Inverse Synthetic-Aperture Radar (ISAR) contact information
E4	CORE	Classify passive, active, and multi-static acoustic contact data
E4	CORE	Optimize sensor effectiveness

TACTICAL OPERATIONS CENTER (TOC)/MOBILE TACTICAL OPERATIONS CENTERS (MTOC)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze tactical missions data/Post Mission Analysis (PMA)
E5	CORE	Conduct crew mission briefs and debriefs
E5	NON-CORE	Conduct Mobile Tactical Operations Center (MTOC) loadmaster responsibilities
E5	NON-CORE	Conduct watch team positional training
E7	NON-CORE	Coordinate Naval Special Warfare (NSW) operations
E6	NON-CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E5	NON-CORE	Coordinate operations with tactical watch officers
E6	CORE	Coordinate tactical exercises and missions
E5	NON-CORE	Issue mission equipment
E4	NON-CORE	Perform Support Equipment (SE) operations
E5	NON-CORE	Prepare post-flight Naval messages
E7	NON-CORE	Release post-mission data in Naval messages

TARGET MOTION ANALYSIS AND TACTICAL CALCULATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Calculate active and passive ranges
E4	CORE	Calculate visual search altitudes
E4	CORE	Define Area of Probability (AOP)
E4	CORE	Determine Target of Interest (TOI) datum

CHAPTER 12

NAVAL AIRCREWMAN (TACTICAL HELICOPTER) (AWR)

NAVPERS 18068F-12I
Change 100

Updated: October 2024

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

NAVAL AIRCREWMEN (TACTICAL HELICOPTER) (AWR)

SCOPE OF RATING

Naval Aircrewmen (Tactical Helicopter) (AWR) detect, analyze, classify, track, and engage sub-surface, surface, and air contacts; perform Sound Navigation and Ranging (SONAR), sonobuoy, Radio Detection and Ranging (RADAR), Intelligence Surveillance Reconnaissance and Targeting (ISR-T), Electronic Warfare (EW), Electro-Optical (EO)/Infrared (IR), Inverse Synthetic Aperture Radar (ISAR) and LINK-16 operations; coordinate tactical communications relay; conduct weapons delivery in support of tactical missions; conduct Command and Control (C2); execute Long Range Maritime Strike (MARSTK) missions; support Special Operations Forces (SOF) missions, Search and Rescue (SAR) missions, Humanitarian Assistance and Disaster Relief (HADR) missions, Night Vision Device (NVD) operations, navigation, passenger and cargo transports, Vertical Replenishment (VERTREP) operations, Medical Evacuations (MEDEVAC), Helicopter Visit Board Search and Seizure (HVBSS) operations, and Crew-Served Weapons (CSW) employment; perform observer duties and Crew Resource Management (CRM) for safety of flight; and contribute directly to aircrew operations, training, and administration.

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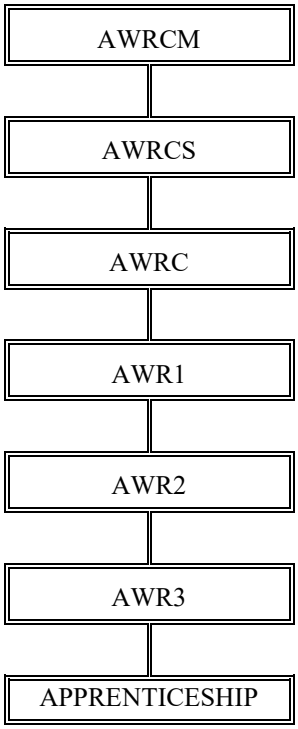
This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 12.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Multi-Mission Helicopter Sensor Operator 002747

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	MULTI-MISSION SENSOR OPERATOR	MM SENSOR OP

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWR	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Multi-Mission Helicopter Sensor Operators detect, analyze, classify, track, and engage sub-surface, surface, and air contacts: perform Sound Navigation and Ranging (SONAR), sonobuoy, Radio Detection and Ranging (RADAR), Intelligence Surveillance Reconnaissance and Targeting (ISR-T), Electronic Warfare (EW), Electro-Optical and Infrared (EO/IR), Inverse Synthetic Aperture Radar (ISAR) and LINK-16 operations; coordinate tactical communications relay; conduct weapons delivery in support of tactical missions; conduct Command and Control (C2); execute Long Range Maritime Strike (MARSTK) missions, support Special Operations Forces (SOF) missions, Search and Rescue (SAR) missions, Humanitarian Assistance and Disaster Relief (HADR) missions, Night Vision Device (NVD) operations, navigation, passenger and cargo transports, Vertical Replenishment (VERTREP) operations, Medical Evacuations (MEDEVAC), Helicopter Visit Board Search and Seizure (HVBSS) operations, and Crew-Served Weapons (CSW) employment; perform Basic Life Support (BLS) and Tactical Combat Casualty Care (TCCC); perform observer duties and Crew Resource Management (CRM) for safety of flight; and contribute directly to aircrew operations, training and administration.

DoD Relationship

Group Title	*DoD Code*
Sonar Operator, General	121000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Air Crew Members	55-3011.00	Military Specific

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Coordination	*Inductive Reasoning*
Operation and Control	*Information Ordering*
Management of Material Resources	*Fluency of Ideas*
Systems Analysis	*Memorization*
Monitoring	*Visualization*
Quality Control Analysis	*Written Expression*
Complex Problem Solving	*Oral Expression*
Instructing	*Control Precision*
Speaking	*Mathematical Reasoning*

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer command Search and Rescue (SAR) programs
E5	NON-CORE	Administer Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E7	CORE	Analyze monthly reports
E5	CORE	Analyze training and readiness matrices
E7	NON-CORE	Brief fleet acquisition programs
E7	NON-CORE	Brief fleet aviation qualification and training requirements to upper echelon
E5	NON-CORE	Certify Air Combat Training Continuum (ACTC) qualifications in training jackets
E5	CORE	Certify command Search and Rescue (SAR) qualifications in Naval Air Training and Operating Procedures Standardization (NATOPS) training jackets
E5	CORE	Certify Naval Air Training and Operating Procedures Standardization (NATOPS) qualifications in training jackets
E5	NON-CORE	Conduct Flight Order Audit Boards (FOAB)
E4	CORE	Conduct Post Mission Analysis (PMA)
E6	CORE	Coordinate aircrew requirements for aerial gunnery
E6	CORE	Coordinate monthly training requirements
E5	CORE	Coordinate Operating Area (OPAREA) schedules with external agencies

AIRCREW ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Coordinate operations with tactical watch officers
E6	NON-CORE	Coordinate tactical exercises and missions
E7	NON-CORE	Coordinate training systems acquisition contracts
E6	CORE	Coordinate warfare exercises
E6	NON-CORE	Coordinate weapons system designs with contract engineers
E7	NON-CORE	Define aircrew readiness requirements for individuals and crews
E5	CORE	Determine aircrew requirements for flight events and training devices
E4	CORE	Develop aircrew mission briefs
E5	CORE	Develop Naval Air Training and Operating Procedures Standardization (NATOPS) lesson materials
E4	CORE	Disseminate intelligence data
E4	NON-CORE	Document ordnance expenditures
E7	NON-CORE	Evaluate aircrew qualification and readiness programs
E5	CORE	Facilitate aviation Search and Rescue (SAR) evaluations
E7	NON-CORE	Implement aircrew manpower processes from accession to fleet integration
E4	CORE	Maintain Air Combat Training Continuum (ACTC) training jackets
E4	CORE	Maintain aircrew publication libraries
E4	CORE	Maintain Naval Air Training and Operating Procedures Standardization (NATOPS) qualifications in training jackets
E5	NON-CORE	Manage Air Combat Training Continuum (ACTC) programs
E5	NON-CORE	Manage Airborne Use of Force (AUF) programs
E7	CORE	Manage aircrew administration
E5	CORE	Manage aircrew qualification and readiness programs
E6	CORE	Manage aircrew requirements for flight events and training devices
E5	NON-CORE	Manage Crew Resource Management (CRM) programs
E7	CORE	Manage Fleet Replacement Squadron (FRS) student productions
E7	NON-CORE	Manage Non-Combat Expenditure Allocations (NCEA)
E5	NON-CORE	Manage Temporary Flight Orders (TFO) program
E7	CORE	Match aircrew to mission detachment and crew requirements
E4	CORE	Perform flight mission planning
E4	CORE	Perform Operational Reporting (OPREP) procedures
E5	CORE	Prepare flight hour reports
E5	CORE	Prepare mission capability briefs
E4	CORE	Prepare mission summary logs
E6	CORE	Supervise aircrew administration
E6	CORE	Supervise aircrew duties
E5	NON-CORE	Track ordnance allocations and inventories
E5	NON-CORE	Update aircrew course curriculum
E4	CORE	Update flight time logbooks
E5	CORE	Update individual flight time summaries

AIRCREW ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Verify aircraft discrepancy records
E7	CORE	Verify Flight Order Audit Boards (FOAB)
E4	CORE	Verify hot areas and air space restrictions
E5	CORE	Verify Naval Air Training and Operating Procedures Standardization (NATOPS) records

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E4	CORE	Adjust cabin for mission configurations
E4	CORE	Assist passengers into aircraft
E4	CORE	Calculate sensor formulas
E4	CORE	Calculate visual search altitudes
E4	CORE	Collect intelligence
E4	CORE	Conduct mission briefs and debriefs
E4	CORE	Conduct Night Vision Device (NVD) flight operations
E4	CORE	Configure Night Vision Devices (NVD) for environmental conditions
E4	CORE	Configure Recovery, Assist, Securing, and Traversing (RAST) equipment for landing and take-off
E4	CORE	Employ hydraulic and electric rescue hoist system
E5	NON-CORE	Maintain Unmanned Aerial Systems (UAS)
E7	CORE	Manage aircrew duties
E4	CORE	Operate aircraft safety and emergency equipment
E4	CORE	Perform aircraft emergency procedures
E4	CORE	Perform aircraft fueling
E4	CORE	Perform aircraft ground handling operations
E4	CORE	Perform aircraft pre-flight and post-flight inspections
E4	CORE	Perform aircraft servicing procedures
E4	CORE	Perform aircraft vector procedures
E4	CORE	Perform Basic Life Support (BLS)
E4	CORE	Perform Bomb Hit Assessments (BHA)
E4	CORE	Perform Crew Resource Management (CRM)
E4	CORE	Perform Helicopter In-Flight Refueling operations
E4	CORE	Perform in-flight lookout procedures
E4	CORE	Perform land and sea survival techniques
E4	CORE	Perform Night Vision Device (NVD) pre-flight checks
E4	CORE	Perform passenger safety briefs
E4	CORE	Perform pre-flight and post-flight checks of rescue swimmer equipment
E4	CORE	Perform pre-flight and post-flight checks of survival equipment
E4	CORE	Perform Tactical Combat Casualty Care (TCCC)
E4	CORE	Plot water space management areas
E4	CORE	Prepare aircraft for static displays

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Secure ordnance in aircraft
E4	CORE	Troubleshoot communication systems
E4	CORE	Troubleshoot mission systems
E4	CORE	Troubleshoot Night Vision Device (NVD) equipment in-flight

AIRCREW TRAINING

Paygrade	Task Type	Task Statements
E5	CORE	Administer aircrew training programs
E7	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E4	CORE	Conduct acoustic and non-acoustic training
E5	CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E4	CORE	Conduct Air Combat Training Continuum (ACTC) flight/ground training
E5	NON-CORE	Conduct Airborne Use of Force (AUF) training
E5	NON-CORE	Conduct Airborne Use of Force (AUF) training evaluations
E4	CORE	Conduct Aircraft Survivability Equipment (ASE) training
E5	CORE	Conduct Crew-Served Weapons (CSW) aerial gunnery training
E4	CORE	Conduct in-flight training
E5	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E5	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) flight/ground training
E4	CORE	Conduct sensor operator proficiency training
E5	CORE	Conduct small arms classroom training
E5	CORE	Conduct small arms live fire training
E4	CORE	Conduct target recognition training
E5	NON-CORE	Conduct watch positional training
E7	CORE	Determine present and future fleet aviation training requirements
E6	CORE	Develop aircrew training plans
E5	CORE	Develop Naval Air Training and Operating Procedures Standardization (NATOPS) exams
E5	CORE	Develop tactical exams
E5	CORE	Develop tactical training materials
E7	CORE	Evaluate aircrew training programs
E5	CORE	Facilitate aviation Search and Rescue (SAR) swimmer training
E5	CORE	Facilitate Basic Life Support (BLS) training
E5	NON-CORE	Facilitate Crew Resource Management (CRM) programs
E5	CORE	Facilitate Tactical Combat Casualty Care (TCCC) training
E5	NON-CORE	Instruct Crew Resource Management (CRM) programs
E7	CORE	Manage aircrew systems training
E5	CORE	Manage aircrew training materials
E7	CORE	Manage aircrew training programs

AIRCREW TRAINING (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Monitor fleet training and readiness levels
E5	NON-CORE	Operate Weapons Tactical Trainers (WTT) and Combat Systems Trainers (CST)
E6	CORE	Supervise aircrew systems training

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Communicate information using radios and Internal Communication Systems (ICS)
E4	CORE	Conduct underwater communications
E4	CORE	Control operations of communications equipment
E4	CORE	Identify pyrotechnic communications
E4	CORE	Perform brevity code communications
E4	CORE	Perform on-station mission turnovers/swaps
E4	CORE	Perform radio communications
E4	CORE	Report contacts
E4	CORE	Report Targets of Interest (TOI)

ENVIRONMENTAL

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Bathythermograph (BT) data
E4	CORE	Analyze bottom contour charts
E4	CORE	Analyze environmental data
E4	CORE	Analyze Meteorological and Oceanographic (METOC) conditions
E4	CORE	Analyze sound transmission paths
E4	CORE	Classify sound transmission paths
E4	CORE	Determine tactical environmental considerations
E4	CORE	Obtain environmental data and products
E4	CORE	Perform on-station environmental updates

LOGISTICS AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct cargo operations
E4	CORE	Conduct Humanitarian Assistance and Disaster Relief (HADR) operations
E4	CORE	Conduct passenger transfers
E7	CORE	Coordinate aircraft availability for long and short range planning
E6	CORE	Coordinate aircraft configurations with maintenance control
E5	CORE	Coordinate flight mission priorities
E4	CORE	Coordinate Non-Combat Operations (NCO)
E4	CORE	Load cargo into aircraft
E7	CORE	Manage aircrew assignments
E7	CORE	Manage Humanitarian Assistance and Disaster Relief (HADR) missions
E7	CORE	Manage logistics operations
E7	CORE	Plan coordinated operations

LOGISTICS AND OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Plan Humanitarian Assistance and Disaster Relief (HADR) operations
E7	NON-CORE	Prepare country clearance messages
E4	CORE	Prepare flight schedules
E7	NON-CORE	Provide Operational Target (OPTAR) budget input
E6	NON-CORE	Supervise Humanitarian Assistance and Disaster Relief (HADR) operations
E6	CORE	Supervise logistics operations

SEARCH AND RESCUE (SAR)

Paygrade	Task Type	Task Statements
E4	CORE	Attach rescue devices to rescue hoist
E4	CORE	Complete individual aviation Search and Rescue (SAR) evaluations
E4	CORE	Complete individual aviation Search and Rescue (SAR) swimmer training
E4	CORE	Coordinate Search and Rescue (SAR) missions
E4	CORE	Deploy rescue devices
E4	CORE	Deploy rescue swimmers
E4	CORE	Perform in-water aviation rescue swimmer procedures
E4	CORE	Perform Medical Evacuations (MEDEVAC)
E4	CORE	Perform survivor assessments
E4	CORE	Plot survivor locations
E4	CORE	Recover rescue devices
E4	CORE	Recover rescue swimmers and survivors

SENSOR SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze active and passive contact data
E4	CORE	Analyze data link information (e.g., LINK-16, Minotaur, etc.)
E4	CORE	Analyze Electronic Warfare Support (ES) contacts
E4	CORE	Analyze Electro-Optical (EO) and Infrared (IR) contact data
E4	CORE	Analyze Inverse Synthetic-Aperture Radar (ISAR)/Automatic Radar Periscope Detection and Discrimination (ARPDD) contact information
E4	CORE	Analyze Magnetic Anomaly Detection (MAD) contact data
E4	CORE	Analyze mission tactical plots
E4	CORE	Analyze pre-flight and post-flight mission data
E4	CORE	Analyze radar contact data
E4	CORE	Calculate sensor ranges
E4	CORE	Classify Electronic Warfare Support (ES) contacts
E4	CORE	Classify Electro-Optical (EO) and Infrared (IR) contacts
E4	CORE	Classify Inverse Synthetic-Aperture Radar (ISAR)/Automatic RADAR Periscope Detection and Discrimination (ARPDD) contact information
E4	CORE	Classify Magnetic Anomaly Detection (MAD) contact data
E4	CORE	Classify non-acoustic contact data
E4	CORE	Classify passive and active acoustic contacts

SENSOR SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Collect contact information
E4	CORE	Conduct Automatic Information System (AIS) operations
E4	CORE	Conduct Electronic Warfare Support (ES) searches
E4	CORE	Conduct Electro-Optical (EO) and Infrared (IR) surveillance
E4	CORE	Conduct Identification Friend or Foe (IFF) operations
E4	CORE	Conduct passive acoustic searches
E4	CORE	Control operations of analysis equipment
E4	CORE	Control operations of mission data recorder system equipment
E4	CORE	Control operations of tactical system consoles
E4	CORE	Correlate Electronic Warfare Support (ES) contact information
E4	CORE	Determine optimum sensor effectiveness
E4	CORE	Employ dipping sonar
E4	CORE	Enhance Recognized Maritime Picture (RMP) utilizing sensor systems
E4	CORE	Evaluate in-flight radar data
E4	CORE	Gather Aircraft Survivability Equipment (ASE) threat data
E4	CORE	Identify in-flight threat data
E4	CORE	Identify sonobuoy aural cues
E4	CORE	Initiate mission systems
E4	CORE	Load classified mission system data
E4	CORE	Maintain Specific Emitter Identification (SEI) and tracking
E4	CORE	Monitor Aircraft Survivability Equipment (ASE)
E4	CORE	Optimize sensor effectiveness
E4	CORE	Optimize sensor placement
E4	CORE	Perform aircraft systems testing
E5	NON-CORE	Perform Integrated Undersea Surveillance System (IUSS) watchstanding duties
E4	CORE	Perform mission equipment operational checks
E4	CORE	Perform weather avoidance radar navigation
E4	CORE	Program Aircraft Survivability Equipment (ASE)
E4	CORE	Receive data link information (e.g., LINK-16, Minotaur, etc.)
E4	CORE	Set up tactical plots
E4	CORE	Track contacts and Targets of Interest (TOI)
E4	CORE	Transmit data link information (e.g., LINK-16, Minotaur, etc.)
E4	CORE	Verify sonobuoy programmable settings

SPECIAL WARFARE/VISUAL/PHOTOGRAPHIC OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Classify visual contacts
E4	NON-CORE	Conduct Airborne Use of Force (AUF) special operations
E4	CORE	Conduct Naval Special Warfare (NSW) and Special Operations Force (SOF) missions
E4	CORE	Deploy Special Operations Forces (SOF) personnel

SPECIAL WARFARE/VISUAL/PHOTOGRAPHIC OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Monitor Unmanned Aerial Systems (UAS) fuel systems
E4	CORE	Operate vision enhancement devices in-flight (e.g., Infrared Zoom Laser Illuminator Designator (IZLID), Laser Range Designator (LRD), Laser Target Marker (LTM), etc.)
E4	CORE	Perform aerial photography/rigging
E6	NON-CORE	Perform Maritime Intelligence Surveillance and Reconnaissance (MISR) duties
E4	CORE	Perform Maritime Interdiction Operations (MIO)
E5	NON-CORE	Perform Unmanned Aerial Systems (UAS) payload operations
E4	CORE	Perform visual searches
E5	NON-CORE	Pilot Unmanned Aerial Systems (UAS)
E5	NON-CORE	Plan Maritime Interdiction Operations (MIO)
E7	NON-CORE	Plan Special Operations Forces (SOF) operations
E5	NON-CORE	Plan Unmanned Aerial Systems (UAS) operations

TACTICS/TARGET MOTION ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze tactical missions
E4	CORE	Conduct Over-The-Horizon Targeting (OTHT)
E4	CORE	Conduct tactical airborne radar operations
E4	CORE	Conduct Target Motion Analysis (TMA)
E4	CORE	Construct search patterns
E4	CORE	Determine acoustic sensor search depths
E4	CORE	Determine Area Of Probability (AOP)
E4	CORE	Determine attack criteria for weapons release
E4	CORE	Determine tactical intelligence considerations
E4	CORE	Determine Target of Interest (TOI) datum
E5	CORE	Develop tactical proficiency programs
E5	NON-CORE	Develop tactical simulator scenarios
E5	NON-CORE	Evaluate tactical plot operations
E4	CORE	Evaluate water space management
E4	CORE	Identify contact's Closest Point of Approach (CPA)
E4	CORE	Manage tactical data flow
E4	CORE	Plot Electronic Warfare Support (ES) contact intercepts
E4	CORE	Plot radar contact intercepts

WEAPONS, ORDNANCE, AND STORES

Paygrade	Task Type	Task Statements
E4	CORE	Arm laser systems
E4	CORE	Configure aircraft stores
E4	CORE	Deploy emergency signal devices
E4	CORE	Deploy mission stores
E4	CORE	Deploy sonobuoy

WEAPONS, ORDNANCE, AND STORES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Employ Crew-Served Weapons (CSW) and small arms
E4	CORE	Evaluate weapons employment
E4	CORE	Perform Crew-Served Weapons (CSW) and small arms functional checks
E4	CORE	Program search stores
E4	CORE	Troubleshoot Crew-Served Weapons (CSW) in-flight

Job Title **Job Code**

Aircraft Carrier Tactical Support Center (CV-TSC) Operator 002748

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Life, Physical, and Social Science	TBD	CARRIER SUPPORT CTR OPERATOR	CV TAC SUP CTR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWR	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Aircraft Carrier Tactical Support Center (CV-TSC) Operators support the mission of the CV-TSC through direct integration of the MH-60R for the Composite Warfare Commander (CWC): utilize tactical and sensor functions of the CV-TSC module and support peripheral equipment; perform CV-TSC module setup and configuration based on mission task; support all facets of carrier-based Anti-Submarine Warfare (ASW), Surface Warfare (SUW), Electronic Warfare (EW), Intelligence Surveillance and Reconnaissance (ISR), Search and Rescue (SAR) operations conducted by organic (MH-60) and inorganic (P-3/P-8/NATO/UAS) tactical aircraft by operating the CV-TSC module; and perform duties as Tactical Sensor Operator (TSO), Multi Sensor Operator (MSO), Tactical Console Operator (TaCo) and watch supervisor.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Sonar Operator, General	121000	Remote Sensing Scientists & Technologists	19-2099.01	Life, Physical, and Social Science

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Systems Analysis	*Inductive Reasoning*
Operation and Control	*Information Ordering*
Coordination	*Fluency of Ideas*
Monitoring	*Visualization*
Management of Material Resources	*Control Precision*
Judgment and Decision Making	*Oral Expression*
Complex Problem Solving	*Memorization*
Speaking	*Mathematical Reasoning*
Quality Control Analysis	*Written Comprehension*

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Analyze training and readiness matrices
E7	NON-CORE	Brief fleet aviation qualification and training requirements to upper echelon
E4	CORE	Conduct Post Mission Analysis (PMA)
E6	CORE	Coordinate monthly training requirements
E5	CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E5	CORE	Coordinate operations with tactical watch officers
E6	NON-CORE	Coordinate tactical exercises and missions
E6	CORE	Coordinate warfare exercises
E4	CORE	Develop aircrew mission briefs
E4	CORE	Disseminate intelligence data
E4	NON-CORE	Document ordnance expenditures
E7	NON-CORE	Evaluate aircrew qualification and readiness programs
E7	NON-CORE	Implement aircrew manpower processes from accession to fleet integration
E4	CORE	Maintain aircrew publication libraries
E7	CORE	Manage aircrew administration
E5	CORE	Manage aircrew qualification and readiness programs
E4	CORE	Perform flight mission planning

AIRCREW ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Operational Reporting (OPREP) procedures
E5	CORE	Prepare mission capability briefs
E4	CORE	Prepare mission summary logs
E6	CORE	Supervise aircrew administration
E6	CORE	Supervise aircrew duties
E5	NON-CORE	Supervise tactical watch teams
E4	CORE	Verify hot areas and air space restrictions

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E4	CORE	Calculate sensor formulas
E4	CORE	Calculate visual search altitudes
E4	CORE	Collect intelligence
E4	CORE	Conduct mission briefs and debriefs
E5	NON-CORE	Perform Aircraft Carrier Tactical Support Center (CV-TSC) watchstanding duties
E4	CORE	Perform aircraft vector procedures
E4	CORE	Perform Bomb Hit Assessments (BHA)
E4	CORE	Perform Tactical Combat Casualty Care (TCCC)
E4	CORE	Plot water space management areas
E4	CORE	Troubleshoot communication systems
E4	CORE	Troubleshoot mission systems

AIRCREW TRAINING

Paygrade	Task Type	Task Statements
E5	CORE	Administer aircrew training programs
E7	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E4	CORE	Conduct acoustic and non-acoustic training
E5	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E5	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) flight/ground training
E4	CORE	Conduct sensor operator proficiency training
E4	CORE	Conduct target recognition training
E5	NON-CORE	Conduct watch positional training
E6	CORE	Develop aircrew training plans
E5	CORE	Develop tactical training materials
E5	CORE	Facilitate aviation Search and Rescue (SAR) swimmer training
E5	CORE	Facilitate Basic Life Support (BLS) training
E5	CORE	Facilitate Tactical Combat Casualty Care (TCCC) training
E7	CORE	Manage aircrew training programs

AIRCREW TRAINING (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Monitor fleet training and readiness levels
E6	CORE	Supervise aircrew systems training

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct underwater communications
E4	CORE	Control operations of communications equipment
E4	CORE	Identify pyrotechnic communications
E4	CORE	Perform brevity code communications
E4	CORE	Perform on-station mission turnovers/swaps
E4	CORE	Perform radio communications
E4	CORE	Report contacts
E4	CORE	Report Targets of Interest (TOI)

ENVIRONMENTAL

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Bathythermograph (BT) data
E4	CORE	Analyze bottom contour charts
E4	CORE	Analyze environmental data
E4	CORE	Analyze Meteorological and Oceanographic (METOC) conditions
E4	CORE	Analyze sound transmission paths
E4	CORE	Classify sound transmission paths
E4	CORE	Determine tactical environmental considerations
E4	CORE	Obtain environmental data and products
E4	CORE	Perform on-station environmental updates

LOGISTICS AND OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Coordinate flight mission priorities
E4	CORE	Coordinate Non-Combat Operations (NCO)
E7	CORE	Manage aircrew assignments
E7	CORE	Manage logistics operations
E7	CORE	Plan coordinated operations

SEARCH AND RESCUE (SAR)

Paygrade	Task Type	Task Statements
E4	CORE	Complete individual aviation Search and Rescue (SAR) evaluations
E4	CORE	Complete individual aviation Search and Rescue (SAR) swimmer training
E4	CORE	Coordinate Search and Rescue (SAR) missions
E4	CORE	Plot survivor locations

SENSOR SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze active and passive contact data
E4	CORE	Analyze data link information (e.g., LINK-16, Minotaur, etc.)
E4	CORE	Analyze Electronic Warfare Support (ES) contacts
E4	CORE	Analyze Electro-Optical (EO) and Infrared (IR) contact data
E4	CORE	Analyze Inverse Synthetic-Aperture Radar (ISAR)/Automatic Radar Periscope Detection and Discrimination (ARPDD) contact information
E4	CORE	Analyze mission tactical plots
E4	CORE	Analyze pre-flight and post-flight mission data
E4	CORE	Analyze radar contact data
E4	CORE	Calculate sensor ranges
E4	CORE	Classify Electronic Warfare Support (ES) contacts
E4	CORE	Classify Electro-Optical (EO) and Infrared (IR) contacts
E4	CORE	Classify Inverse Synthetic-Aperture Radar (ISAR)/Automatic RADAR Periscope Detection and Discrimination (ARPDD) contact information
E4	CORE	Classify non-acoustic contact data
E4	CORE	Classify passive and active acoustic contacts
E4	CORE	Collect contact information
E4	CORE	Conduct Automatic Information System (AIS) operations
E4	CORE	Conduct Electronic Warfare Support (ES) searches
E4	CORE	Conduct Electro-Optical (EO) and Infrared (IR) surveillance
E4	CORE	Conduct Identification Friend or Foe (IFF) operations
E4	CORE	Conduct passive acoustic searches
E4	CORE	Control operations of analysis equipment
E4	CORE	Control operations of mission data recorder system equipment
E4	CORE	Control operations of tactical system consoles
E4	CORE	Correlate Electronic Warfare Support (ES) contact information
E4	CORE	Determine optimum sensor effectiveness
E4	CORE	Enhance Recognized Maritime Picture (RMP) utilizing sensor systems
E4	CORE	Evaluate in-flight radar data
E4	CORE	Gather Aircraft Survivability Equipment (ASE) threat data
E4	CORE	Identify in-flight threat data
E4	CORE	Identify sonobuoy aural cues
E4	CORE	Initiate mission systems
E4	CORE	Load classified mission system data
E4	CORE	Maintain Specific Emitter Identification (SEI) and tracking
E4	CORE	Optimize sensor effectiveness
E4	CORE	Optimize sensor placement
E4	CORE	Perform aircraft systems testing
E4	CORE	Perform mission equipment operational checks
E4	CORE	Perform weather avoidance radar navigation

SENSOR SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Receive data link information (e.g., LINK-16, Minotaur, etc.)
E4	CORE	Set up tactical plots
E4	CORE	Track contacts and Targets of Interest (TOI)
E4	CORE	Transmit data link information (e.g., LINK-16, Minotaur, etc.)

SPECIAL WARFARE/VISUAL/PHOTOGRAPHIC OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Classify visual contacts
E4	CORE	Perform Maritime Interdiction Operations (MIO)
E4	CORE	Perform visual searches
E5	NON-CORE	Plan Maritime Interdiction Operations (MIO)

TACTICS/TARGET MOTION ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze tactical missions
E4	CORE	Conduct Over-The-Horizon Targeting (OTHT)
E4	CORE	Conduct tactical airborne radar operations
E4	CORE	Conduct Target Motion Analysis (TMA)
E4	CORE	Construct search patterns
E4	CORE	Determine acoustic sensor search depths
E4	CORE	Determine Area Of Probability (AOP)
E4	CORE	Determine attack criteria for weapons release
E4	CORE	Determine tactical intelligence considerations
E4	CORE	Determine Target of Interest (TOI) datum
E5	NON-CORE	Evaluate tactical plot operations
E4	CORE	Evaluate water space management
E4	CORE	Identify contact's Closest Point of Approach (CPA)
E4	CORE	Manage tactical data flow
E4	CORE	Plot Electronic Warfare Support (ES) contact intercepts
E4	CORE	Plot radar contact intercepts

WEAPONS, ORDNANCE, AND STORES

Paygrade	Task Type	Task Statements
E4	CORE	Evaluate weapons employment

Job Title **Job Code**

Operations, Training, And Readiness Specialist (Tactical Helicopter) 002828

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	OPS, TRNG, & RDNS SPEC THEL	OT&R SPEC THEL

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWR	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Operations, Training, and Readiness Specialists (Tactical Helicopter) are integral members of aviation commands: coordinate operational, administrative, and aircrew scheduling functions; administer and manage aircrew training programs and resources; analyze training resource requirements; review proposed training devices and programs; develop and revise curricula; manage standardization of aircrew training to enhance proficiency and readiness; manage student quotas, qualifications and certifications; coordinate aircrew physical fitness and health program initiatives; track all aspects of aircrew performance data to support the rigorous demands of operational commitments worldwide; administer and direct the Naval Air Training and Operating Procedures Standardization (NATOPS) programs; and support tactics, training and readiness, weapons safety, Search and Rescue (SAR), and various other aircrew training/missions.

DoD Relationship **O*NET Relationship**

Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Air Crew, General	105000	Training and Development Managers	11-3131.00	Management

Skills	Abilities
Coordination	*Deductive Reasoning*
Management of Material Resources	*Information Ordering*
Monitoring	*Fluency of Ideas*
Critical Thinking	*Written Expression*
Quality Control Analysis	*Inductive Reasoning*
Instructing	*Oral Expression*
Management of Personnel Resources	*Visualization*
Systems Analysis	*Written Comprehension*
Writing	*Memorization*
Speaking	*Originality*

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer command Search and Rescue (SAR) programs
E5	NON-CORE	Administer Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E7	CORE	Analyze monthly reports
E5	CORE	Analyze training and readiness matrices
E7	NON-CORE	Brief fleet acquisition programs
E7	NON-CORE	Brief fleet aviation qualification and training requirements to upper echelon
E5	NON-CORE	Certify Air Combat Training Continuum (ACTC) qualifications in training jackets
E5	CORE	Certify command Search and Rescue (SAR) qualifications in Naval Air Training and Operating Procedures Standardization (NATOPS) training jackets
E5	CORE	Certify Naval Air Training and Operating Procedures Standardization (NATOPS) qualifications in training jackets
E5	NON-CORE	Conduct Flight Order Audit Boards (FOAB)
E6	CORE	Coordinate aircrew requirements for aerial gunnery
E6	CORE	Coordinate monthly training requirements
E5	CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E5	CORE	Coordinate operations with tactical watch officers
E6	NON-CORE	Coordinate tactical exercises and missions

AIRCREW ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E7	NON-CORE	Coordinate training systems acquisition contracts
E6	CORE	Coordinate warfare exercises
E6	NON-CORE	Coordinate weapons system designs with contract engineers
E7	NON-CORE	Define aircrew readiness requirements for individuals and crews
E5	CORE	Determine aircrew requirements for flight events and training devices
E4	CORE	Develop aircrew mission briefs
E5	CORE	Develop Naval Air Training and Operating Procedures Standardization (NATOPS) lesson materials
E4	CORE	Disseminate intelligence data
E4	NON-CORE	Document ordnance expenditures
E7	NON-CORE	Evaluate aircrew qualification and readiness programs
E5	CORE	Facilitate aviation Search and Rescue (SAR) evaluations
E7	NON-CORE	Implement aircrew manpower processes from accession to fleet integration
E4	CORE	Maintain Air Combat Training Continuum (ACTC) training jackets
E4	CORE	Maintain aircrew publication libraries
E4	CORE	Maintain Naval Air Training and Operating Procedures Standardization (NATOPS) qualifications in training jackets
E5	NON-CORE	Manage Air Combat Training Continuum (ACTC) programs
E5	NON-CORE	Manage Airborne Use of Force (AUF) programs
E7	CORE	Manage aircrew administration
E5	CORE	Manage aircrew qualification and readiness programs
E6	CORE	Manage aircrew requirements for flight events and training devices
E5	NON-CORE	Manage Crew Resource Management (CRM) programs
E7	CORE	Manage Fleet Replacement Squadron (FRS) student productions
E7	NON-CORE	Manage Non-Combat Expenditure Allocations (NCEA)
E5	NON-CORE	Manage Temporary Flight Orders (TFO) program
E7	CORE	Match aircrew to mission detachment and crew requirements
E4	CORE	Perform flight mission planning
E4	CORE	Perform Operational Reporting (OPREP) procedures
E5	CORE	Prepare flight hour reports
E5	CORE	Prepare mission capability briefs
E4	CORE	Prepare mission summary logs
E6	CORE	Supervise aircrew administration
E6	CORE	Supervise aircrew duties
E5	NON-CORE	Supervise tactical watch teams
E5	NON-CORE	Track ordnance allocations and inventories
E5	NON-CORE	Update aircrew course curriculum
E4	CORE	Update flight time logbooks
E5	CORE	Update individual flight time summaries

AIRCREW ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Verify aircraft discrepancy records
E7	CORE	Verify Flight Order Audit Boards (FOAB)
E4	CORE	Verify hot areas and air space restrictions
E5	CORE	Verify Naval Air Training and Operating Procedures Standardization (NATOPS) records

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E7	CORE	Manage aircrew duties
E5	NON-CORE	Perform Aircraft Carrier Tactical Support Center (CV-TSC) watchstanding duties
E4	CORE	Perform Tactical Combat Casualty Care (TCCC)
E4	CORE	Prepare aircraft for static displays

AIRCREW TRAINING

Paygrade	Task Type	Task Statements
E5	CORE	Administer aircrew training programs
E7	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E4	CORE	Conduct acoustic and non-acoustic training
E5	CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E4	CORE	Conduct Air Combat Training Continuum (ACTC) flight/ground training
E5	NON-CORE	Conduct Airborne Use of Force (AUF) training
E5	NON-CORE	Conduct Airborne Use of Force (AUF) training evaluations
E4	CORE	Conduct Aircraft Survivability Equipment (ASE) training
E5	CORE	Conduct Crew-Served Weapons (CSW) aerial gunnery training
E4	CORE	Conduct in-flight training
E5	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E5	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) flight/ground training
E4	CORE	Conduct sensor operator proficiency training
E5	CORE	Conduct small arms classroom training
E5	CORE	Conduct small arms live fire training
E4	CORE	Conduct target recognition training
E5	NON-CORE	Conduct watch positional training
E7	CORE	Determine present and future fleet aviation training requirements
E6	CORE	Develop aircrew training plans
E5	CORE	Develop Naval Air Training and Operating Procedures Standardization (NATOPS) exams
E5	CORE	Develop tactical exams
E5	CORE	Develop tactical training materials
E7	CORE	Evaluate aircrew training programs
E5	CORE	Facilitate aviation Search and Rescue (SAR) swimmer training

AIRCREW TRAINING (CONT'D)

Paygrade	Task Type	Task Statement
E5	CORE	Facilitate Basic Life Support (BLS) training
E5	NON-CORE	Facilitate Crew Resource Management (CRM) programs
E5	CORE	Facilitate Tactical Combat Casualty Care (TCCC) training
E5	NON-CORE	Instruct Crew Resource Management (CRM) programs
E7	CORE	Manage aircrew systems training
E5	CORE	Manage aircrew training materials
E7	CORE	Manage aircrew training programs
E7	CORE	Monitor fleet training and readiness levels
E5	NON-CORE	Operate Weapons Tactical Trainers (WTT) and Combat Systems Trainers (CST)
E6	CORE	Supervise aircrew systems training

ENVIRONMENTAL

Paygrade	Task Type	Task Statements
E4	CORE	Determine tactical environmental considerations
E4	CORE	Obtain environmental data and products

LOGISTICS AND OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate aircraft availability for long and short range planning
E6	CORE	Coordinate aircraft configurations with maintenance control
E6	NON-CORE	Coordinate airlift support
E5	CORE	Coordinate flight mission priorities
E4	CORE	Coordinate Non-Combat Operations (NCO)
E7	CORE	Manage aircrew assignments
E7	CORE	Manage Humanitarian Assistance and Disaster Relief (HADR) missions
E7	CORE	Manage logistics operations
E7	CORE	Plan coordinated operations
E5	NON-CORE	Plan Humanitarian Assistance and Disaster Relief (HADR) operations
E7	NON-CORE	Prepare country clearance messages
E4	CORE	Prepare flight schedules
E7	NON-CORE	Provide Operational Target (OPTAR) budget input
E6	NON-CORE	Supervise Humanitarian Assistance and Disaster Relief (HADR) operations
E6	CORE	Supervise logistics operations

SEARCH AND RESCUE (SAR)

Paygrade	Task Type	Task Statements
E4	CORE	Coordinate Search and Rescue (SAR) missions

SENSOR SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Maintain Specific Emitter Identification (SEI) and tracking

SPECIAL WARFARE/VISUAL/PHOTOGRAPHIC OPERATIONS

Paygrade	Task Type	Task Statements
E6	NON-CORE	Perform Maritime Intelligence Surveillance and Reconnaissance (MISR) duties
E5	NON-CORE	Plan Maritime Interdiction Operations (MIO)
E7	NON-CORE	Plan Special Operations Forces (SOF) operations
E5	NON-CORE	Plan Unmanned Aerial Systems (UAS) operations

TACTICS/TARGET MOTION ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze tactical missions
E5	CORE	Develop tactical proficiency programs
E5	NON-CORE	Develop tactical simulator scenarios
E5	NON-CORE	Evaluate tactical plot operations
E4	CORE	Evaluate water space management

Job Title **Job Code**

Unmanned Aerial Systems (UAS) Operator 002829

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	UNMANNED AERIAL SYS OP	UAS OPERATOR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWR	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Unmanned Aerial Systems (UAS) Operators serve as external pilots and directly control the flight of the UASs during launch and recovery operations by visual reference to the UAS: UAS internal pilots operate and navigate UASs during the en route, mission, and return phases of flight; perform organizational level maintenance on UAS systems and Support Equipment (SE); operate and maintain Electro-Optical and Infrared (EO/IR) targeting systems; demonstrate knowledge in meteorology, aerodynamics, power plants, radios, and air traffic control; and perform basic and advanced flight operations.

DoD Relationship

Group Title	*DoD Code*
Sonar Operator, General	121000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Airline Pilots, Copilots, and Flight Engineers	53-2011.00	Transportation and Material Moving

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Coordination	*Inductive Reasoning*
Operation and Control	*Information Ordering*
Systems Analysis	*Fluency of Ideas*
Management of Material Resources	*Memorization*
Monitoring	*Written Expression*
Quality Control Analysis	*Oral Expression*
Speaking	*Visualization*
Complex Problem Solving	*Control Precision*
Instructing	*Written Comprehension*

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E7	CORE	Analyze monthly reports
E5	CORE	Analyze training and readiness matrices
E7	NON-CORE	Brief fleet acquisition programs
E7	NON-CORE	Brief fleet aviation qualification and training requirements to upper echelon
E5	CORE	Certify command Search and Rescue (SAR) qualifications in Naval Air Training and Operating Procedures Standardization (NATOPS) training jackets
E5	CORE	Certify Naval Air Training and Operating Procedures Standardization (NATOPS) qualifications in training jackets
E5	NON-CORE	Conduct Flight Order Audit Boards (FOAB)
E4	CORE	Conduct Post Mission Analysis (PMA)
E6	CORE	Coordinate monthly training requirements
E5	CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E6	NON-CORE	Coordinate tactical exercises and missions
E7	NON-CORE	Coordinate training systems acquisition contracts
E6	CORE	Coordinate warfare exercises
E7	NON-CORE	Define aircrew readiness requirements for individuals and crews
E5	CORE	Determine aircrew requirements for flight events and training devices

AIRCREW ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Develop aircrew mission briefs
E5	CORE	Develop Naval Air Training and Operating Procedures Standardization (NATOPS) lesson materials
E4	CORE	Disseminate intelligence data
E7	NON-CORE	Evaluate aircrew qualification and readiness programs
E7	NON-CORE	Implement aircrew manpower processes from accession to fleet integration
E4	CORE	Maintain aircrew publication libraries
E4	CORE	Maintain Naval Air Training and Operating Procedures Standardization (NATOPS) qualifications in training jackets
E7	CORE	Manage aircrew administration
E5	CORE	Manage aircrew qualification and readiness programs
E6	CORE	Manage aircrew requirements for flight events and training devices
E5	NON-CORE	Manage Crew Resource Management (CRM) programs
E7	CORE	Match aircrew to mission detachment and crew requirements
E4	CORE	Perform flight mission planning
E4	CORE	Perform Operational Reporting (OPREP) procedures
E5	CORE	Prepare flight hour reports
E5	CORE	Prepare mission capability briefs
E4	CORE	Prepare mission summary logs
E6	CORE	Supervise aircrew administration
E6	CORE	Supervise aircrew duties
E5	NON-CORE	Update aircrew course curriculum
E4	CORE	Update flight time logbooks
E5	CORE	Update individual flight time summaries
E4	CORE	Verify aircraft discrepancy records
E7	CORE	Verify Flight Order Audit Boards (FOAB)
E4	CORE	Verify hot areas and air space restrictions
E5	CORE	Verify Naval Air Training and Operating Procedures Standardization (NATOPS) records

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E4	CORE	Calculate sensor formulas
E4	CORE	Calculate visual search altitudes
E4	CORE	Collect intelligence
E4	CORE	Conduct mission briefs and debriefs
E4	CORE	Configure Night Vision Devices (NVD) for environmental conditions
E5	NON-CORE	Maintain Unmanned Aerial Systems (UAS)
E7	CORE	Manage aircrew duties
E4	CORE	Perform aircraft emergency procedures

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform aircraft fueling
E4	CORE	Perform aircraft ground handling operations
E4	CORE	Perform aircraft pre-flight and post-flight inspections
E4	CORE	Perform aircraft servicing procedures
E4	CORE	Perform aircraft vector procedures
E4	CORE	Perform Bomb Hit Assessments (BHA)
E4	CORE	Perform Crew Resource Management (CRM)
E4	CORE	Perform in-flight lookout procedures
E4	CORE	Perform Night Vision Device (NVD) pre-flight checks
E4	CORE	Perform Tactical Combat Casualty Care (TCCC)
E4	CORE	Plot water space management areas
E4	CORE	Prepare aircraft for static displays
E4	CORE	Troubleshoot communication systems
E4	CORE	Troubleshoot mission systems

AIRCREW TRAINING

Paygrade	Task Type	Task Statements
E5	CORE	Administer aircrew training programs
E7	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E5	CORE	Conduct Crew-Served Weapons (CSW) aerial gunnery training
E4	CORE	Conduct in-flight training
E5	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E5	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) flight/ground training
E4	CORE	Conduct sensor operator proficiency training
E5	CORE	Conduct small arms classroom training
E5	CORE	Conduct small arms live fire training
E4	CORE	Conduct target recognition training
E5	NON-CORE	Conduct watch positional training
E7	CORE	Determine present and future fleet aviation training requirements
E6	CORE	Develop aircrew training plans
E5	CORE	Develop Naval Air Training and Operating Procedures Standardization (NATOPS) exams
E5	CORE	Develop tactical training materials
E5	CORE	Facilitate Basic Life Support (BLS) training
E5	NON-CORE	Facilitate Crew Resource Management (CRM) programs
E5	CORE	Facilitate Tactical Combat Casualty Care (TCCC) training
E7	CORE	Manage aircrew systems training
E5	CORE	Manage aircrew training materials

AIRCREW TRAINING (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage aircrew training programs
E6	CORE	Supervise aircrew systems training

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Control operations of communications equipment
E4	CORE	Identify pyrotechnic communications
E4	CORE	Perform brevity code communications
E4	CORE	Perform on-station mission turnovers/swaps
E4	CORE	Perform radio communications
E4	CORE	Report contacts
E4	CORE	Report Targets of Interest (TOI)

ENVIRONMENTAL

Paygrade	Task Type	Task Statements
E4	CORE	Analyze environmental data
E4	CORE	Analyze Meteorological and Oceanographic (METOC) conditions
E4	CORE	Determine tactical environmental considerations
E4	CORE	Obtain environmental data and products
E4	CORE	Perform on-station environmental updates

LOGISTICS AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct Humanitarian Assistance and Disaster Relief (HADR) operations
E7	CORE	Coordinate aircraft availability for long and short range planning
E6	CORE	Coordinate aircraft configurations with maintenance control
E6	NON-CORE	Coordinate airlift support
E5	CORE	Coordinate flight mission priorities
E4	CORE	Coordinate Non-Combat Operations (NCO)
E7	CORE	Manage aircrew assignments
E7	CORE	Manage Humanitarian Assistance and Disaster Relief (HADR) missions
E7	CORE	Manage logistics operations
E7	CORE	Plan coordinated operations
E5	NON-CORE	Plan Humanitarian Assistance and Disaster Relief (HADR) operations
E7	NON-CORE	Prepare country clearance messages
E4	CORE	Prepare flight schedules
E7	NON-CORE	Provide Operational Target (OPTAR) budget input
E6	NON-CORE	Supervise Humanitarian Assistance and Disaster Relief (HADR) operations
E6	CORE	Supervise logistics operations

SENSOR SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze data link information (e.g., LINK-16, Minotaur, etc.)
E4	CORE	Analyze Electronic Warfare Support (ES) contacts
E4	CORE	Analyze Electro-Optical (EO) and Infrared (IR) contact data
E4	CORE	Analyze mission tactical plots
E4	CORE	Analyze pre-flight and post-flight mission data
E4	CORE	Analyze radar contact data
E4	CORE	Calculate sensor ranges
E4	CORE	Classify Electronic Warfare Support (ES) contacts
E4	CORE	Classify Electro-Optical (EO) and Infrared (IR) contacts
E4	CORE	Collect contact information
E4	CORE	Conduct Electronic Warfare Support (ES) searches
E4	CORE	Conduct Electro-Optical (EO) and Infrared (IR) surveillance
E4	CORE	Control operations of analysis equipment
E4	CORE	Control operations of mission data recorder system equipment
E4	CORE	Control operations of tactical system consoles
E4	CORE	Correlate Electronic Warfare Support (ES) contact information
E4	CORE	Determine optimum sensor effectiveness
E4	CORE	Evaluate in-flight radar data
E4	CORE	Identify in-flight threat data
E4	CORE	Initiate mission systems
E4	CORE	Load classified mission system data
E4	CORE	Maintain Specific Emitter Identification (SEI) and tracking
E4	CORE	Optimize sensor effectiveness
E4	CORE	Optimize sensor placement
E4	CORE	Perform aircraft systems testing
E4	CORE	Perform mission equipment operational checks
E4	CORE	Receive data link information (e.g., LINK-16, Minotaur, etc.)
E4	CORE	Set up tactical plots
E4	CORE	Track contacts and Targets of Interest (TOI)
E4	CORE	Transmit data link information (e.g., LINK-16, Minotaur, etc.)

SPECIAL WARFARE/VISUAL/PHOTOGRAPHIC OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Classify visual contacts
E4	NON-CORE	Conduct Airborne Use of Force (AUF) special operations
E4	CORE	Conduct Naval Special Warfare (NSW) and Special Operations Force (SOF) missions
E5	NON-CORE	Monitor Unmanned Aerial Systems (UAS) fuel systems
E4	CORE	Operate vision enhancement devices in-flight (e.g., Infrared Zoom Laser Illuminator Designator (IZLID), Laser Range Designator (LRD), Laser Target Marker (LTM), etc.)
E4	CORE	Perform aerial photography/rigging

SPECIAL WARFARE/VISUAL/PHOTOGRAPHIC OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Perform Maritime Intelligence Surveillance and Reconnaissance (MISR) duties
E4	CORE	Perform Maritime Interdiction Operations (MIO)
E5	NON-CORE	Perform Unmanned Aerial Systems (UAS) payload operations
E4	CORE	Perform visual searches
E5	NON-CORE	Pilot Unmanned Aerial Systems (UAS)
E5	NON-CORE	Plan Maritime Interdiction Operations (MIO)
E7	NON-CORE	Plan Special Operations Forces (SOF) operations

SPECIAL WARFARE/VISUAL/PHOTOGRAPHIC OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Plan Unmanned Aerial Systems (UAS) operations

TACTICS/TARGET MOTION ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze tactical missions
E4	CORE	Conduct Over-The-Horizon Targeting (OTHT)
E4	CORE	Conduct tactical airborne radar operations
E4	CORE	Conduct Target Motion Analysis (TMA)
E4	CORE	Construct search patterns
E4	CORE	Determine Area Of Probability (AOP)
E4	CORE	Determine attack criteria for weapons release
E4	CORE	Determine tactical intelligence considerations
E4	CORE	Determine Target of Interest (TOI) datum
E5	CORE	Develop tactical proficiency programs
E5	NON-CORE	Develop tactical simulator scenarios
E5	NON-CORE	Evaluate tactical plot operations
E4	CORE	Identify contact's Closest Point of Approach (CPA)
E4	CORE	Manage tactical data flow
E4	CORE	Plot Electronic Warfare Support (ES) contact intercepts
E4	CORE	Plot radar contact intercepts

WEAPONS, ORDNANCE, AND STORES

Paygrade	Task Type	Task Statements
E4	CORE	Arm laser systems
E4	CORE	Configure aircraft stores
E4	CORE	Deploy emergency signal devices
E4	CORE	Deploy mission stores
E4	CORE	Employ Crew-Served Weapons (CSW) and small arms
E4	CORE	Evaluate weapons employment
E4	CORE	Perform Crew-Served Weapons (CSW) and small arms functional checks

CHAPTER 12

NAVAL AIRCREWMAN (HELICOPTER) (AWS)

NAVPERS 18068F-12J
Change 100

Updated: October 2024

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

NAVAL AIRCREWMEN (HELICOPTER) (AWS)

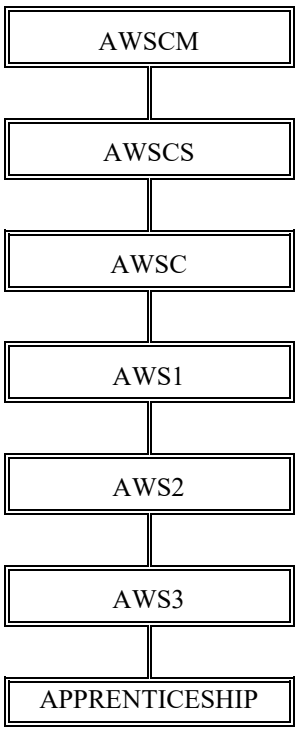
SCOPE OF RATING

Naval Aircrewmen (Helicopter) (AWS) are members of multi-mission helicopter and Unmanned Aerial Vehicle (UAV) crews operating in maritime and overland environments: perform Search and Rescue (SAR) missions, Airborne Mine Countermeasure (AMCM) Tactical Evacuations (TACEVAC), Humanitarian Assistance and Disaster Relief (HADR) missions, Special Operations Forces (SOF) insertion and extraction missions, Personnel Recovery (PR) operations, Direct Action (DA) operations, Anti-Surface Warfare (ASUW) operations, Intelligence Surveillance Reconnaissance (ISR) operations, Logistics Support (LOG) operations, and aerial firefighting operations; conduct aerial gunnery; and conduct observer duties for safety of flight.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 12.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Helicopter Utility Aircrewman 001605

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	HELICOPTER UTILITY AIRCREWMAN	NAC HELI ARCMN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWS	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Helicopter Utility Aircrewmen serve as members of multi-mission helicopters operating in maritime and overland environments: provide logistics support; perform aircrew operations administration; conduct internal/external cargo movement; perform passenger/patient transports; perform aerial gunnery; perform small arms handling; operate Night Vision Devices (NVD); conduct flight/ground training; operate lifesaving/rescue equipment; perform observer duties for safety of flight; conduct Personnel Recovery (PR) in all geographic and environmental conditions; employ specialized equipment to locate, access, and recover personnel and/or equipment from austere environments to include avalanche, alpine, confined space/structural, high angle, swift water and open ocean settings; plan, coordinate, and conduct emergency medical care; and employ specialized equipment to assess, diagnose, treat, stabilize, and transport patients with minor to immediate life-threatening illnesses and/or injuries.

DoD Relationship

Group Title	*DoD Code*
Air Crew, General	105000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Aircrew Members	55-3011.00	Military Specific

Skills	Abilities
Operation and Control	*Oral Expression*
Critical Thinking	*Deductive Reasoning*
Complex Problem Solving	*Problem Sensitivity*
Management of Personnel Resources	*Memorization*
Instructing	*Written Comprehension*
Systems Analysis	*Response Orientation*
Management of Material Resources	*Information Ordering*
Quality Control Analysis	*Near Vision*
Coordination	*Oral Comprehension*
Speaking	*Written Expression*

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E5	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E5	NON-CORE	Conduct Air Combat Training Continuum (ACTC) evaluations

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E4	CORE	Analyze internal/external load characteristics
E4	CORE	Analyze Meteorological and Oceanographic (METOC) conditions
E4	CORE	Analyze missions
E5	CORE	Analyze Situation Reports (SITREP)
E4	CORE	Assist aerial navigation operations
E4	CORE	Assist in aircraft defensive maneuver procedures
E4	CORE	Assist mission planning
E4	NON-CORE	Check aerial firefighting equipment
E4	CORE	Check Aircraft Survivability Equipment (ASE)
E4	CORE	Check aircraft systems
E4	CORE	Check Aviation Life Support Systems (ALSS) equipment
E4	CORE	Check cargo hook and hydraulic mechanical reel systems

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Check Functional Check Flight (FCF) equipment
E4	CORE	Check Helicopter In-Flight Refueling (HIFR) equipment
E4	CORE	Check Night Vision Device (NVD) equipment
E4	CORE	Classify enemy aircraft, ships, and vehicles
E4	CORE	Conduct aircrew mission briefs and debriefs
E4	CORE	Conduct Anti-Surface Warfare (ASUW) operations
E4	CORE	Conduct Humanitarian Assistance and Disaster Relief (HADR) and Defense Support of Civilian Authorities (DSCA) operations
E4	CORE	Configure mission equipment
E4	CORE	Deploy marker locators
E4	CORE	Detect targets
E4	CORE	Document aircraft system discrepancies
E4	CORE	Employ cargo hook and hydraulic mechanical reel systems
E4	CORE	Employ crew hover systems
E4	CORE	Identify targets
E4	NON-CORE	Input information into aircraft computer systems to control in-flight systems and mission peripherals
E4	CORE	Load mission data
E4	CORE	Load mission software
E4	NON-CORE	Monitor aircraft computer systems to control in-flight systems and mission peripherals
E4	CORE	Monitor aircraft performance
E4	CORE	Monitor contacts
E4	NON-CORE	Perform aerial firefighting operations
E4	CORE	Perform aircraft emergency procedures
E4	CORE	Perform aircraft fueling
E4	CORE	Perform Crew Resource Management (CRM)
E4	CORE	Perform Emergency Destruction Plan (EDP) procedures
E4	CORE	Perform Functional Check Flight (FCF) operations
E4	CORE	Perform Helicopter In-Flight Refueling (HIFR) operations
E4	CORE	Perform internal and external communications
E4	CORE	Perform land and sea survival techniques
E4	CORE	Perform Night Vision Device (NVD) operations
E4	CORE	Perform pre-flight and post-flight aircraft inspections
E4	CORE	Perform Surface Surveillance Coordination (SSC) operations
E4	CORE	Perform visual searches
E4	CORE	Prepare mission data
E4	NON-CORE	Process post-flight mission data
E4	CORE	Record mission data
E4	CORE	Report in-flight status
E4	CORE	Review aircraft records

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot cargo hook and hydraulic mechanical reel systems
E4	CORE	Troubleshoot communications systems

AIRCREW TRAINING

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer aircrew training programs
E5	CORE	Conduct aircraft computer system training
E4	CORE	Conduct endurance training
E4	CORE	Conduct flight/ground training
E5	CORE	Conduct in-flight/ground Search and Rescue (SAR) training
E5	NON-CORE	Conduct mine neutralization training
E5	NON-CORE	Conduct minehunting training
E5	NON-CORE	Conduct minesweeping training
E4	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) flight/ground training
E4	CORE	Conduct Naval Aircrew Warfare Specialist (NAWS) training
E4	CORE	Conduct nutrition training
E4	CORE	Conduct strength training
E5	NON-CORE	Conduct training in simulator
E5	NON-CORE	Develop aircrew training plans
E5	NON-CORE	Develop tactical training materials
E5	NON-CORE	Develop training device scenarios
E5	NON-CORE	Facilitate Basic Life Support (BLS) training
E5	NON-CORE	Facilitate Night Vision Device (NVD) training
E5	NON-CORE	Facilitate Tactical Combat Casualty Care (TCCC) training
E5	NON-CORE	Implement high-risk training plan
E5	NON-CORE	Manage high-risk drill/exercises (e.g. pool, open ocean, etc.)
E6	NON-CORE	Manage tactical proficiency plans
E5	NON-CORE	Plan high-risk training

MINE WARFARE (MIW)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Analyze mine-like contacts
E4	NON-CORE	Analyze ocean environmental data
E4	NON-CORE	Analyze Post Mission Analysis (PMA) operations
E4	NON-CORE	Calculate risk of ship and aircraft operations in minefields
E4	NON-CORE	Check Airborne Mine Countermeasures (AMCM) equipment
E4	NON-CORE	Classify mine-like contacts
E4	NON-CORE	Conduct mine neutralization operations
E4	NON-CORE	Conduct minehunting operations
E4	NON-CORE	Conduct minesweeping operations

MINE WARFARE (MIW) (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct Post Mission Analysis (PMA)
E5	NON-CORE	Manage Mine Countermeasures (MCM) database
E4	NON-CORE	Perform Airborne Mine Countermeasures (AMCM) operations
E4	NON-CORE	Perform Built-In Test (BIT) on Airborne Mine Countermeasures (AMCM) equipment
E6	NON-CORE	Supervise Post Mission Analysis (PMA) operations

OPERATIONS, PLANNING, AND LOGISTICS

Paygrade	Task Type	Task Statements
E6	NON-CORE	Communicate commander's immediate launch authority (i.e., Humanitarian Assistance and Disaster Relief (HADR), Defense Support of Civil Authorities (DSCA), etc.)
E4	CORE	Complete cargo and personnel manifests
E4	CORE	Conduct Non-Combatant Evacuation Operations (NEO)
E4	CORE	Perform logistical operations
E4	CORE	Perform passenger transfer operations
E6	NON-CORE	Verify restricted/non-restricted areas

PERSONNEL RECOVERY (PR)

Paygrade	Task Type	Task Statements
E4	CORE	Conduct Personnel Recovery (PR) operations
E4	CORE	Conduct Personnel Recovery (PR) training
E4	CORE	Conduct Tactical Evacuations (TACEVAC)
E4	CORE	Perform Basic Life Support (BLS)
E4	CORE	Perform Tactical Combat Casualty Care (TCCC)
E5	CORE	Plan Personnel Recovery (PR) operations

SPECIAL OPERATIONS SUPPORT

Paygrade	Task Type	Task Statements
E4	CORE	Assist Intelligence Surveillance Reconnaissance (ISR) operations
E4	CORE	Conduct cast and recovery operations
E5	NON-CORE	Conduct Close Air Support (CAS) operations
E4	CORE	Conduct Combat Rubber Raiding Craft (CRRC) operations
E4	CORE	Conduct fast rope operations
E4	CORE	Conduct interdiction operations
E4	CORE	Conduct rappel operations
E4	CORE	Conduct Special Operations Forces (SOF) support
E4	CORE	Conduct Special Patrol Insertion/Extraction (SPIE) operations
E4	CORE	Plan interdiction operations

WEAPONS AND STORES

Paygrade	Task Type	Task Statements
E4	CORE	Check aircraft ordnance equipment
E4	CORE	Check Crew-Served Weapons (CSW)
E4	CORE	Check weapon systems

WEAPONS AND STORES (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Conduct Crew-Served Weapons (CSW) live fire training (i.e., airborne and on-ground separate from aircraft)
E4	CORE	Employ Crew-Served Weapons (CSW) (i.e., airborne and on-ground separate from aircraft)
E4	CORE	Employ Individual Service Weapons (ISW)
E5	NON-CORE	Facilitate Crew-Served Weapons (CSW) ground training
E4	CORE	Perform arm/de-arm of Countermeasure Dispense Systems (CMDS)
E4	CORE	Perform Individual Service Weapons (ISW) live fire training
E4	CORE	Troubleshoot Crew-Served Weapons (CSW)

Job Title **Job Code**

Operations, Training, And Readiness Specialist (Helicopter) 002831

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	OPS, TRNG, & RDNS SPEC HELI	OT&R SPEC HELI

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWS	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Operations, Training, and Readiness Specialists (Helicopter) are integral members of aviation commands: coordinate operational, administrative, and aircrew scheduling functions; administer and manage aircrew training programs and resources; analyze training resource requirements; review proposed training devices and programs; develop and revise curriculum; manage standardization of aircrew training to enhance proficiency and readiness; manage student quotas, qualifications and certifications; coordinate aircrew physical fitness and health program initiatives; track all aspects of aircrew performance data to support the rigorous demands of operational commitments worldwide; administer and direct the Naval Air Training and Operating Procedures Standardization (NATOPS) programs; and support tactics, training and readiness, weapons safety, Search and Rescue (SAR), and various other aircrew training/missions.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Air Crew, General	105000	Training and Development Managers	11-3131.00	Management

Skills	Abilities
Management of Material Resources	*Oral Expression*
Management of Personnel Resources	*Deductive Reasoning*
Critical Thinking	*Written Comprehension*
Complex Problem Solving	*Problem Sensitivity*
Reading Comprehension	*Oral Comprehension*
Instructing	*Inductive Reasoning*
Learning Strategies	*Written Expression*
Operation and Control	*Information Ordering*
Quality Control Analysis	*Selective Attention*
Writing	*Arm-Hand Steadiness*

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E6	NON-CORE	Analyze training and readiness matrices
E7	CORE	Brief fleet aviation training requirements to upper echelon
E5	NON-CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E5	NON-CORE	Conduct Flight Order Audit Boards (FOAB)
E5	NON-CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E5	NON-CORE	Conduct Search and Rescue (SAR) evaluations
E5	NON-CORE	Conduct standardization boards
E4	CORE	Coordinate daily flight schedule inputs
E7	CORE	Define aircrew readiness requirements for individuals and crews
E5	NON-CORE	Evaluate aircrew qualification and readiness programs
E7	NON-CORE	Evaluate aircrew training programs
E4	CORE	Maintain aircrew publication libraries
E4	CORE	Maintain flight publications
E4	CORE	Maintain flight records

AIRCREW ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain Naval Air Training and Operating Procedures Standardization (NATOPS) publications
E5	NON-CORE	Maintain training and readiness databases
E5	NON-CORE	Manage Crew Resource Management (CRM) programs
E7	CORE	Manage personnel in accordance with the training and readiness matrices
E5	NON-CORE	Manage Search and Rescue (SAR) programs
E5	NON-CORE	Manage Temporary Flight Orders (TFO) program
E7	CORE	Monitor fleet training and readiness levels
E6	NON-CORE	Prepare flight hour reports
E4	CORE	Prepare flight schedules
E4	NON-CORE	Prepare mission summary logs
E7	CORE	Supervise standardization boards
E7	CORE	Verify training and readiness matrices

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E5	CORE	Analyze Situation Reports (SITREP)
E4	CORE	Load mission data
E4	CORE	Prepare mission data

AIRCREW TRAINING

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer aircrew training programs
E5	NON-CORE	Conduct mine neutralization training
E5	NON-CORE	Conduct minehunting training
E5	NON-CORE	Conduct minesweeping training
E5	NON-CORE	Conduct training in simulator
E5	NON-CORE	Develop aircrew training plans
E5	NON-CORE	Develop tactical training materials
E5	NON-CORE	Develop training device scenarios
E5	NON-CORE	Facilitate Basic Life Support (BLS) training
E5	NON-CORE	Facilitate Tactical Combat Casualty Care (TCCC) training
E5	NON-CORE	Implement high-risk training plan
E5	NON-CORE	Manage high-risk drill/exercises (e.g. pool, open ocean, etc.)
E6	NON-CORE	Manage tactical proficiency plans
E5	NON-CORE	Plan high-risk training

OPERATIONS, PLANNING, AND LOGISTICS

Paygrade	Task Type	Task Statements
E6	NON-CORE	Communicate commander's immediate launch authority (i.e., Humanitarian Assistance and Disaster Relief (HADR), Defense Support of Civil Authorities (DSCA), etc.)
E5	NON-CORE	Coordinate airlift support
E5	NON-CORE	Coordinate joint and bilateral exercises

OPERATIONS, PLANNING, AND LOGISTICS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E5	NON-CORE	Determine aircrew requirements for flight events and training devices
E7	CORE	Manage Humanitarian Assistance and Disaster Relief (HADR) and Defense Support of Civilian Authorities (DSCA) mission
E6	CORE	Supervise Humanitarian Assistance and Disaster Relief (HADR) and Defense Support of Civilian Authorities (DSCA) operations

UNMANNED AERIAL VEHICLE (UAV) OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Maintain Unmanned Aerial Vehicles (UAV)

Job Title **Job Code**

Unmanned Aerial Vehicle (UAV) Mission Payload Operator (MPO) 002832

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	UNMAN AERIAL VEH MIS PAY OP	NAC UAV MPO

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWS	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Unmanned Aerial Vehicle (UAV) Mission Payload Operators (MPO) serve UAV sensor operators to include Electro-Optical and Infrared (EO/IR) targeting system, Radio Detection and Ranging (RADAR), Electronic Warfare (EW), and Signals Intelligence (SIGINT): provide real time situational awareness of the battle space to Area Commanders; and play a pivotal role in the Intelligence Surveillance and Reconnaissance (ISR) and aerial fire support and precision targeting missions.

DoD Relationship

Group Title	*DoD Code*
Unmanned Vehicle System (UVS) Operators, General	108000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Command and Control Center Specialists	55-3015.00	Military Specific

Skills	Abilities
Operation and Control	*Oral Expression*
Critical Thinking	*Deductive Reasoning*
Complex Problem Solving	*Information Ordering*
Speaking	*Memorization*
Management of Material Resources	*Written Comprehension*
Operation Monitoring	*Problem Sensitivity*
Management of Personnel Resources	*Fluency of Ideas*
Coordination	*Written Expression*
Systems Analysis	*Finger Dexterity*
Quality Control Analysis	*Originality*

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E5	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E5	NON-CORE	Conduct Air Combat Training Continuum (ACTC) evaluations

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Meteorological and Oceanographic (METOC) conditions
E4	CORE	Analyze missions
E5	CORE	Analyze Situation Reports (SITREP)
E4	CORE	Assist aerial navigation operations
E4	CORE	Assist in aircraft defensive maneuver procedures
E4	CORE	Assist mission planning
E4	CORE	Check aircraft systems
E4	CORE	Classify enemy aircraft, ships, and vehicles
E4	CORE	Conduct aircrew mission briefs and debriefs
E4	CORE	Conduct Anti-Surface Warfare (ASUW) operations
E4	CORE	Conduct Humanitarian Assistance and Disaster Relief (HADR) and Defense Support of Civilian Authorities (DSCA) operations
E4	CORE	Configure mission equipment

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Detect targets
E4	CORE	Document aircraft system discrepancies
E4	CORE	Identify targets
E4	NON-CORE	Input information into aircraft computer systems to control in-flight systems and mission peripherals
E4	CORE	Load mission data
E4	CORE	Load mission software
E4	NON-CORE	Monitor aircraft computer systems to control in-flight systems and mission peripherals
E4	CORE	Monitor aircraft performance
E4	CORE	Monitor contacts
E4	CORE	Perform aircraft emergency procedures
E4	CORE	Perform Crew Resource Management (CRM)
E4	CORE	Perform Emergency Destruction Plan (EDP) procedures
E4	CORE	Perform Functional Check Flight (FCF) operations
E4	CORE	Perform internal and external communications
E4	CORE	Perform pre-flight and post-flight aircraft inspections
E4	CORE	Perform Surface Surveillance Coordination (SSC) operations
E4	CORE	Prepare mission data
E4	NON-CORE	Process post-flight mission data
E4	CORE	Record mission data
E4	CORE	Report in-flight status
E4	CORE	Review aircraft records
E4	CORE	Troubleshoot communications systems

AIRCREW TRAINING

Paygrade	Task Type	Task Statements
E4	CORE	Conduct flight/ground training
E4	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) flight/ground training
E5	NON-CORE	Conduct training in simulator
E5	NON-CORE	Develop aircrew training plans
E5	NON-CORE	Develop training device scenarios

MINE WARFARE (MIW)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Analyze Post Mission Analysis (PMA) operations
E6	NON-CORE	Supervise Post Mission Analysis (PMA) operations

OPERATIONS, PLANNING, AND LOGISTICS

Paygrade	Task Type	Task Statements
E6	NON-CORE	Communicate commander's immediate launch authority (i.e., Humanitarian Assistance and Disaster Relief (HADR), Defense Support of Civil Authorities (DSCA), etc.)
E4	CORE	Conduct Non-Combatant Evacuation Operations (NEO)

OPERATIONS, PLANNING, AND LOGISTICS (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Verify restricted/non-restricted areas

SPECIAL OPERATIONS SUPPORT

Paygrade	Task Type	Task Statements
E4	CORE	Assist Intelligence Surveillance Reconnaissance (ISR) operations
E5	NON-CORE	Conduct Close Air Support (CAS) operations
E4	CORE	Conduct interdiction operations
E4	CORE	Conduct Special Operations Forces (SOF) support
E4	CORE	Plan interdiction operations

UNMANNED AERIAL VEHICLE (UAV) OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Conduct Unmanned Aerial Vehicle (UAV) aircraft system testing
E4	NON-CORE	Conduct Unmanned Aerial Vehicle (UAV) aircrew mission briefs
E4	NON-CORE	Conduct Unmanned Aerial Vehicle (UAV) Intelligence, Surveillance, and Reconnaissance (ISR) operations
E4	NON-CORE	Conduct Unmanned Aerial Vehicle (UAV) Surface Coordination and Reconnaissance (SCAR) operations
E4	NON-CORE	Evaluate Inverse Synthetic Aperture Radar (ISAR) data
E4	NON-CORE	Evaluate Synthetic Aperture Radar (SAR) data
E5	NON-CORE	Maintain Unmanned Aerial Vehicles (UAV)
E4	NON-CORE	Monitor Automatic Identification System (AIS) surface contacts
E4	NON-CORE	Operate Unmanned Aerial Vehicle (UAV) Airborne Mine Countermeasures (AMCM) equipment
E4	NON-CORE	Operate Unmanned Aerial Vehicle (UAV) Forward-Looking Infrared Radar (FLIR)
E4	NON-CORE	Operate Unmanned Aerial Vehicle (UAV) navigation systems
E4	NON-CORE	Operate Unmanned Aerial Vehicle (UAV) radar systems
E4	NON-CORE	Operate Unmanned Aerial Vehicle (UAV) radio systems
E4	NON-CORE	Plan Unmanned Aerial Vehicle (UAV) Intelligence, Surveillance, and Reconnaissance (ISR) operations
E4	NON-CORE	Plan Unmanned Aerial Vehicle (UAV) operations
E4	NON-CORE	Plan Unmanned Aerial Vehicle (UAV) Surface Coordination and Reconnaissance (SCAR) operations
E4	NON-CORE	Transmit data link contact information

Job Title **Job Code**

Multipurpose Helicopter (MH)-53 Utility Aircrewman 002830

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	MH-53 UTILITY AIRCREWMAN	MH53 UTIL ACMN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWS	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Multipurpose Helicopter (MH)-53 Utility Aircrewmen are members of multi-mission helicopters operating in maritime and overland environments: provide logistics support; perform aircrew operations administration; conduct internal/external cargo movement; perform passenger/patient transports; perform aerial gunnery; handle small arms; operate Night Vision Devices (NVD); conduct flight/ground training; operate lifesaving/rescue equipment; perform observer duties for safety of flight; operate sensor systems; deploy mine countermeasure equipment; plan tactics; operate the post mission systems; and operate mine hunting neutralization sweeping systems.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Air Crew, General	105000	Air Crew Members	55-3011.00	Military Specific

Skills	Abilities
Operation and Control	*Oral Expression*
Critical Thinking	*Deductive Reasoning*
Complex Problem Solving	*Problem Sensitivity*
Systems Analysis	*Memorization*
Instructing	*Written Comprehension*
Management of Material Resources	*Response Orientation*
Management of Personnel Resources	*Near Vision*
Quality Control Analysis	*Oral Comprehension*
Coordination	*Information Ordering*
Operation Monitoring	*Written Expression*

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E5	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E5	NON-CORE	Conduct Air Combat Training Continuum (ACTC) evaluations

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E4	CORE	Analyze internal/external load characteristics
E4	CORE	Analyze Meteorological and Oceanographic (METOC) conditions
E4	CORE	Analyze missions
E5	CORE	Analyze Situation Reports (SITREP)
E4	CORE	Assist aerial navigation operations
E4	CORE	Assist in aircraft defensive maneuver procedures
E4	CORE	Assist mission planning
E4	NON-CORE	Check aerial firefighting equipment
E4	CORE	Check Aircraft Survivability Equipment (ASE)
E4	CORE	Check aircraft systems
E4	CORE	Check Aviation Life Support Systems (ALSS) equipment
E4	CORE	Check cargo hook and hydraulic mechanical reel systems
E4	CORE	Check Functional Check Flight (FCF) equipment

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Check Helicopter In-Flight Refueling (HIFR) equipment
E4	CORE	Check Night Vision Device (NVD) equipment
E4	CORE	Classify enemy aircraft, ships, and vehicles
E4	CORE	Conduct aircrew mission briefs and debriefs
E4	CORE	Conduct Anti-Surface Warfare (ASUW) operations
E4	CORE	Conduct Humanitarian Assistance and Disaster Relief (HADR) and Defense Support of Civilian Authorities (DSCA) operations
E4	CORE	Configure mission equipment
E4	CORE	Deploy marker locators
E4	CORE	Detect targets
E4	CORE	Document aircraft system discrepancies
E4	CORE	Employ cargo hook and hydraulic mechanical reel systems
E4	CORE	Employ crew hover systems
E4	CORE	Identify targets
E4	NON-CORE	Input information into aircraft computer systems to control in-flight systems and mission peripherals
E4	CORE	Load mission data
E4	CORE	Load mission software
E4	NON-CORE	Monitor aircraft computer systems to control in-flight systems and mission peripherals
E4	CORE	Monitor aircraft performance
E4	CORE	Monitor contacts
E4	NON-CORE	Monitor Helicopter Air-to-Air Refueling (HAAR)
E4	NON-CORE	Perform aerial firefighting operations
E4	CORE	Perform aircraft emergency procedures
E4	CORE	Perform aircraft fueling
E4	NON-CORE	Perform aircraft in-flight servicing procedures
E4	CORE	Perform Crew Resource Management (CRM)
E4	CORE	Perform Emergency Destruction Plan (EDP) procedures
E4	CORE	Perform Functional Check Flight (FCF) operations
E4	CORE	Perform Helicopter In-Flight Refueling (HIFR) operations
E4	CORE	Perform internal and external communications
E4	CORE	Perform land and sea survival techniques
E4	CORE	Perform Night Vision Device (NVD) operations
E4	CORE	Perform pre-flight and post-flight aircraft inspections
E4	CORE	Perform Surface Surveillance Coordination (SSC) operations
E4	CORE	Perform visual searches
E4	CORE	Prepare mission data
E4	NON-CORE	Process post-flight mission data
E4	CORE	Record mission data
E4	CORE	Report in-flight status

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Review aircraft records
E4	CORE	Troubleshoot cargo hook and hydraulic mechanical reel systems
E4	CORE	Troubleshoot communications systems

AIRCREW TRAINING

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer aircrew training programs
E5	CORE	Conduct aircraft computer system training
E4	CORE	Conduct endurance training
E4	CORE	Conduct flight/ground training
E5	CORE	Conduct in-flight/ground Search and Rescue (SAR) training
E5	NON-CORE	Conduct mine neutralization training
E5	NON-CORE	Conduct minehunting training
E5	NON-CORE	Conduct minesweeping training
E4	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) flight/ground training
E4	CORE	Conduct Naval Aircrew Warfare Specialist (NAWS) training
E5	NON-CORE	Conduct training in simulator
E5	NON-CORE	Develop aircrew training plans
E5	NON-CORE	Develop tactical training materials
E5	NON-CORE	Develop training device scenarios
E5	NON-CORE	Facilitate Basic Life Support (BLS) training
E5	NON-CORE	Facilitate Night Vision Device (NVD) training
E5	NON-CORE	Facilitate Tactical Combat Casualty Care (TCCC) training
E5	NON-CORE	Implement high-risk training plan
E6	NON-CORE	Manage tactical proficiency plans

MINE WARFARE (MIW)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Analyze mine-like contacts
E4	NON-CORE	Analyze ocean environmental data
E4	NON-CORE	Analyze Post Mission Analysis (PMA) operations
E4	NON-CORE	Calculate risk of ship and aircraft operations in minefields
E4	NON-CORE	Check Airborne Mine Countermeasures (AMCM) equipment
E4	NON-CORE	Classify mine-like contacts
E4	NON-CORE	Conduct mine neutralization operations
E4	NON-CORE	Conduct minehunting operations
E4	NON-CORE	Conduct minesweeping operations
E5	NON-CORE	Conduct Post Mission Analysis (PMA)
E4	NON-CORE	Control operations of dual cable winch
E5	NON-CORE	Manage Mine Countermeasures (MCM) database

MINE WARFARE (MIW) (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Perform Airborne Mine Countermeasures (AMCM) operations
E4	NON-CORE	Perform Built-In Test (BIT) on Airborne Mine Countermeasures (AMCM) equipment
E6	NON-CORE	Supervise Post Mission Analysis (PMA) operations

OPERATIONS, PLANNING, AND LOGISTICS

Paygrade	Task Type	Task Statements
E6	NON-CORE	Communicate commander's immediate launch authority (i.e., Humanitarian Assistance and Disaster Relief (HADR), Defense Support of Civil Authorities (DSCA), etc.)
E4	CORE	Complete cargo and personnel manifests
E4	CORE	Conduct Non-Combatant Evacuation Operations (NEO)
E4	CORE	Perform logistical operations
E4	CORE	Perform passenger transfer operations
E6	NON-CORE	Verify restricted/non-restricted areas

PERSONNEL RECOVERY (PR)

Paygrade	Task Type	Task Statements
E4	CORE	Conduct Tactical Evacuations (TACEVAC)
E4	CORE	Perform Tactical Combat Casualty Care (TCCC)
E5	CORE	Plan Personnel Recovery (PR) operations

SPECIAL OPERATIONS SUPPORT

Paygrade	Task Type	Task Statements
E4	CORE	Assist Intelligence Surveillance Reconnaissance (ISR) operations
E4	CORE	Conduct cast and recovery operations
E5	NON-CORE	Conduct Close Air Support (CAS) operations
E4	CORE	Conduct Combat Rubber Raiding Craft (CRRC) operations
E4	CORE	Conduct fast rope operations
E4	CORE	Conduct interdiction operations
E4	CORE	Conduct rappel operations
E4	CORE	Conduct Special Operations Forces (SOF) support

UNMANNED AERIAL VEHICLE (UAV) OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Transmit data link contact information

WEAPONS AND STORES

Paygrade	Task Type	Task Statements
E4	CORE	Check aircraft ordnance equipment
E4	CORE	Check Crew-Served Weapons (CSW)
E4	CORE	Check weapon systems
E5	CORE	Conduct Crew-Served Weapons (CSW) live fire training (i.e., airborne and on-ground separate from aircraft)

WEAPONS AND STORES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Employ Crew-Served Weapons (CSW) (i.e., airborne and on-ground separate from aircraft)
E4	CORE	Employ Individual Service Weapons (ISW)
E5	NON-CORE	Facilitate Crew-Served Weapons (CSW) ground training
E4	CORE	Perform arm/de-arm of Countermeasure Dispense Systems (CMDS)
E4	CORE	Perform Individual Service Weapons (ISW) live fire training
E4	CORE	Troubleshoot Crew-Served Weapons (CSW)

CHAPTER 12

NAVAL AIRCREWMAN (AVIONICS)
(AWV)

NAVPERS 18068F-12J
Change 100

Updated: October 2024

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

NAVAL AIRCREWMEN (AVIONICS) (AWV)

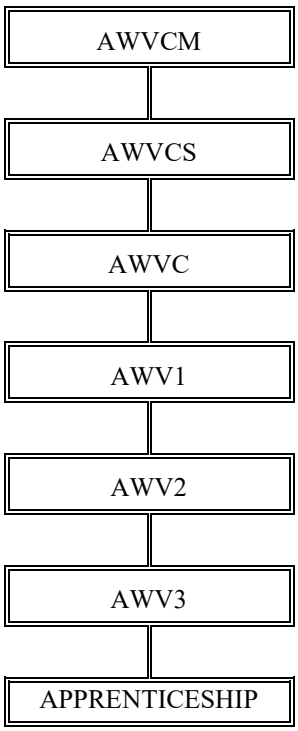
SCOPE OF RATING

Naval Aircrewmen (Avionics) (AWV) perform primary in-flight and ground duties as members of a fixed wing integrated tactical aircrew aboard special reconnaissance, command and control, and logistics aircraft: pilot and maintain Unmanned Aerial Vehicles (UAV); operate aerial photographic equipment; transport critical cargo and passengers; maintain and operate strategic and tactical communications; handle, store and retrieve incoming and outgoing messages; build, configure, deploy, operate, maintain, and repair Information Technology (IT) such as fiber optics, networks and capabilities; perform network system administration, maintenance, and training; perform maintenance and aircrew administration; conduct flight and ground training; perform Joint Special Warfare Operations (JSWO) and Communications Material Security (CMS) handling; and demonstrate understanding of mission and flight avionics systems, safety equipment, emergency procedures and aircraft equipment.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 12.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Airborne Communication Technician 001590

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	AIRBORNE COMMUNICATION TECH	AIR COMM TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWV	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Airborne Communication Technicians perform in-flight communications system operator duties as members of fixed wing integrated tactical crews aboard E-6B aircraft: maintain and operate strategic and tactical communications; handle, store, and retrieve incoming and outgoing messages; build, configure, deploy, operate, maintain, and repair Information Technology (IT) such as fiber optics, networks and capabilities; perform network system administration, maintenance, and training; perform fault isolation and component repair of mission and flight avionics equipment on E-6B aircraft; perform aircrew duties that contribute to aircrew operations, training, and administration; attain and maintain the squadron's aircrew qualifications and certifications; demonstrate knowledge of Naval communications procedures and cryptographic materials, aircraft systems, and emergency procedures; and implement Top Secret (TS) security clearance and Personnel Reliability Program (PRP) requirements.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Air Crew, General	105000	Avionics Technicians	49-2091.00	Installation, Maintenance, and Repair

Skills	Abilities
Coordination	*Problem Sensitivity*
Operation and Control	*Information Ordering*
Equipment Maintenance	*Written Comprehension*
Critical Thinking	*Manual Dexterity*
Monitoring	*Oral Expression*
Management of Material Resources	*Written Expression*
Repairing	*Inductive Reasoning*
Complex Problem Solving	*Selective Attention*
Reading Comprehension	*Deductive Reasoning*
Management of Personnel Resources	*Oral Comprehension*

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Administer aircrew training programs
E5	NON-CORE	Administer Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E5	CORE	Administer Naval Aircrew Warfare Specialist (NAWS) programs
E5	NON-CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E6	NON-CORE	Develop tactical simulator scenarios
E5	NON-CORE	Instruct Crew Resource Management (CRM) programs
E4	CORE	Maintain aircrew publication libraries
E4	CORE	Maintain communications publications
E4	CORE	Maintain Naval Air Training and Operating Procedures Standardization (NATOPS) publications
E5	NON-CORE	Maintain Personnel Reliability Program (PRP) records
E5	CORE	Manage aircrew training materials
E6	CORE	Manage Key Management Infrastructure (KMI) program
E6	NON-CORE	Manage Personnel Reliability Programs (PRP)
E5	CORE	Prepare administrative briefs
E6	CORE	Prepare Emergency Action Plans (EAP)

AIRCREW ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Prepare tactical memorandums

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E5	CORE	Assign aircraft ditching stations
E5	NON-CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E4	CORE	Conduct Air Combat Training Continuum (ACTC) flight/ground training
E4	NON-CORE	Conduct Humanitarian Assistance and Disaster Relief (HADR) operations
E4	NON-CORE	Conduct passenger transports
E5	NON-CORE	Conduct testing of newly developed aircraft systems
E4	CORE	Consolidate mission data
E4	CORE	Coordinate mission requirements with battle staff and flight deck
E4	CORE	Draft mission logs
E4	CORE	Inspect Aviation Life Support Systems (ALSS) equipment
E4	CORE	Inventory Information Systems (IS) assets
E4	CORE	Monitor avionics performance
E4	CORE	Monitor contacts
E5	CORE	Monitor Crew Resource Management (CRM)
E4	CORE	Monitor environmental control systems
E4	NON-CORE	Perform advanced level first aid (e.g., Emergency Medical Responder (EMR) duties, in-flight first aid, Tactical Combat Casualty Care (TCCC) tier 2, etc.)
E4	CORE	Perform aircraft emergency procedures
E4	CORE	Perform aircraft ground handling operations
E4	CORE	Perform aircraft pre-flight and post-flight inspections
E4	CORE	Perform aircraft safety and emergency equipment operations
E4	CORE	Perform aircraft security
E4	CORE	Perform Communication Security (COMSEC) procedures
E4	CORE	Perform Crew Resource Management (CRM)
E4	CORE	Perform land and sea survival techniques
E4	CORE	Perform logistical operations
E4	NON-CORE	Perform Medical Evacuations (MEDEVAC)
E5	CORE	Perform Operational Reporting (OPREP) procedures
E4	NON-CORE	Perform passenger safety briefs
E4	CORE	Perform Support Equipment (SE) operations
E4	CORE	Perform warfare exercises
E4	CORE	Prepare aircraft for static displays
E4	CORE	Process Emergency Action Messages (EAM)
E4	NON-CORE	Report contacts

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Report in-flight status
E4	CORE	Review aircraft maintenance records
E5	CORE	Supervise ground handling operations
E4	CORE	Supervise Support Equipment (SE) operations

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Communicate information using radios and Internal Communication Systems (ICS)
E4	CORE	Configure cryptographic equipment
E4	CORE	Configure data link systems
E4	CORE	Configure external electronic loading devices
E4	CORE	Configure progressive conferences
E4	CORE	Configure Satellite Communication (SATCOM) systems
E4	CORE	Manage access to network resources
E4	CORE	Manage data circuits
E5	CORE	Manage electronic spillage
E4	CORE	Manage voice circuits
E4	CORE	Monitor broadcast channels
E4	CORE	Process data circuit traffic
E4	CORE	Process Naval messages in-flight
E4	CORE	Process voice circuit traffic
E4	CORE	Receive electronic keying material via Over-the-Air-Transfers (OTAT) and Over-The-Air Rekeys (OTAR)
E4	CORE	Set Emission Control (EMCON) conditions
E5	CORE	Supervise communications positions
E4	CORE	Test communication circuits
E4	CORE	Transmit Emergency Action Messages (EAM)

MAINTENANCE

Paygrade	Task Type	Task Statements
E5	NON-CORE	Audit Naval Aviation Maintenance Programs (NAMP)
E7	NON-CORE	Certify aircraft maintenance records
E4	CORE	Conduct aircraft towing operations
E4	CORE	Document aircraft discrepancies
E4	CORE	Document in-flight maintenance
E4	CORE	Maintain aircraft avionics systems
E4	CORE	Maintain aircraft instrumentation systems
E4	CORE	Maintain aircraft systems using test equipment
E4	CORE	Maintain data link systems
E4	CORE	Maintain data processing systems
E4	CORE	Maintain environmental systems

MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain fiber optic systems
E4	CORE	Maintain Identification Friend or Foe (IFF) systems
E4	CORE	Maintain Internal Communication Systems (ICS)
E4	CORE	Maintain mission systems
E4	CORE	Maintain navigation systems
E4	CORE	Maintain network cables
E4	CORE	Maintain network components
E4	CORE	Maintain radar systems
E4	CORE	Maintain Satellite Communication (SATCOM) systems
E4	CORE	Maintain wiring and connectors
E4	CORE	Maintain workstation application software
E6	NON-CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E6	NON-CORE	Monitor Naval Aviation Maintenance Programs (NAMP)
E4	CORE	Perform aircraft servicing procedures
E4	CORE	Perform preservation and depreservation procedures
E5	NON-CORE	Perform Quality Assurance (QA) inspections
E7	NON-CORE	Release aircraft Safe For Flight (SFF)
E5	CORE	Supervise aircraft repairs
E4	CORE	Troubleshoot communications systems
E4	CORE	Troubleshoot workstation network connectivity

MISSION SYSTEMS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Analyze effects of electromagnetic pulse (EMP) on communications equipment
E4	CORE	Initialize Global Positioning Satellite (GPS) equipment
E4	CORE	Initialize Inertial Navigation Systems (INS)
E4	CORE	Load mission software
E4	CORE	Perform aircraft electrical systems operations
E4	CORE	Perform data processing for system and software operations
E4	CORE	Perform mission system operations with nuclear critical components onboard
E4	CORE	Perform Secure Telephone Equipment (STE) operations
E4	CORE	Perform weather analysis using aircraft radar system operations

NETWORKING

Paygrade	Task Type	Task Statements
E4	CORE	Configure network hardware
E4	CORE	Configure network software
E4	CORE	Configure Voice over Internet Protocol (VoIP)
E4	CORE	Establish network connectivity using aircraft systems
E4	CORE	Inspect network components
E4	CORE	Load aircraft software

NETWORKING (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Manage Information Systems Security (ISS) programs
E4	CORE	Manage onboard Local Area Network (LAN) systems
E4	CORE	Monitor network connectivity
E5	NON-CORE	Perform system administrator functions
E4	CORE	Verify adherence to network policies
E4	CORE	Verify workstation network connectivity

OPERATIONS PLANNING AND LOGISTICS

Paygrade	Task Type	Task Statements
E7	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E5	CORE	Brief tactical missions
E6	NON-CORE	Coordinate airlift support
E5	CORE	Coordinate logistical operations
E7	CORE	Coordinate missions
E5	NON-CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E7	NON-CORE	Coordinate weapons system designs with contract engineers
E5	CORE	Prepare aircrew mission briefs and debriefs
E5	CORE	Prepare mission capability briefs

Job Title

In-Flight Technician

Job Code

001610

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	IN-FLIGHT TECHNICIAN	NAC INFLT TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWV	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

In-Flight Technicians serve as members of fixed wing integrated tactical crews aboard special reconnaissance aircraft: perform in-flight duties of fault isolation; repair component avionics equipment; operate sensor systems and aerial cameras; perform aircrew duties that contribute to aircrew operations, training, and administration; attain and maintain the squadron's aircrew qualifications and certifications; maintain and operate aircraft avionics, network systems, cryptographic equipment, optical equipment, Electro-Optical and Infrared (EO/IR) systems, aircraft equipment; demonstrate knowledge of flight and emergency procedures; and implement Top Secret (TS) security clearance and Personnel Reliability Program (PRP) requirements.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Air Crew, General	105000	Avionics Technicians	49-2091.00	Installation, Maintenance, and Repair

Skills	Abilities
Operation and Control	*Problem Sensitivity*
Coordination	*Written Comprehension*
Equipment Maintenance	*Information Ordering*
Monitoring	*Manual Dexterity*
Critical Thinking	*Oral Expression*
Repairing	*Inductive Reasoning*
Complex Problem Solving	*Selective Attention*
Management of Material Resources	*Written Expression*
Reading Comprehension	*Deductive Reasoning*
Management of Personnel Resources	*Finger Dexterity*

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Administer aircrew training programs
E5	NON-CORE	Administer Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E5	CORE	Administer Naval Aircrew Warfare Specialist (NAWS) programs
E5	NON-CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E5	NON-CORE	Instruct Crew Resource Management (CRM) programs
E4	CORE	Maintain aircrew publication libraries
E4	CORE	Maintain Naval Air Training and Operating Procedures Standardization (NATOPS) publications
E5	CORE	Manage aircrew training materials
E6	CORE	Prepare Emergency Action Plans (EAP)

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E5	CORE	Assign aircraft ditching stations
E5	NON-CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E4	CORE	Conduct Air Combat Training Continuum (ACTC) flight/ground training
E4	NON-CORE	Conduct Humanitarian Assistance and Disaster Relief (HADR) operations
E4	NON-CORE	Conduct passenger transports

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct testing of newly developed aircraft systems
E5	NON-CORE	Employ aircraft laser systems
E4	CORE	Inspect Aviation Life Support Systems (ALSS) equipment
E4	CORE	Inventory Information Systems (IS) assets
E4	CORE	Monitor avionics performance
E4	CORE	Monitor contacts
E5	CORE	Monitor Crew Resource Management (CRM)
E4	CORE	Monitor environmental control systems
E5	NON-CORE	Monitor tracks and Targets of Interest (TOI)
E4	NON-CORE	Perform advanced level first aid (e.g., Emergency Medical Responder (EMR) duties, in-flight first aid, Tactical Combat Casualty Care (TCCC) tier 2, etc.)
E4	CORE	Perform aircraft emergency procedures
E4	NON-CORE	Perform aircraft fueling
E4	CORE	Perform aircraft ground handling operations
E4	CORE	Perform aircraft pre-flight and post-flight inspections
E4	CORE	Perform aircraft safety and emergency equipment operations
E4	CORE	Perform aircraft security
E4	NON-CORE	Perform Auxiliary Power Unit (APU) operations
E4	CORE	Perform Communication Security (COMSEC) procedures
E4	CORE	Perform Crew Resource Management (CRM)
E4	CORE	Perform land and sea survival techniques
E4	CORE	Perform logistical operations
E4	NON-CORE	Perform Medical Evacuations (MEDEVAC)
E5	CORE	Perform Operational Reporting (OPREP) procedures
E4	NON-CORE	Perform passenger safety briefs
E4	CORE	Perform Support Equipment (SE) operations
E4	CORE	Perform warfare exercises
E4	CORE	Prepare aircraft for static displays
E4	NON-CORE	Report contacts
E4	CORE	Report in-flight status
E5	NON-CORE	Report Targets of Interest (TOI)
E4	CORE	Review aircraft maintenance records
E5	CORE	Supervise ground handling operations
E4	CORE	Supervise Support Equipment (SE) operations

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Communicate information using radios and Internal Communication Systems (ICS)
E4	CORE	Configure cryptographic equipment
E4	CORE	Configure data link systems
E4	CORE	Configure external electronic loading devices

COMMUNICATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Configure Satellite Communication (SATCOM) systems
E4	CORE	Manage access to network resources
E4	CORE	Manage data circuits
E5	CORE	Manage electronic spillage
E4	CORE	Manage voice circuits
E4	CORE	Monitor broadcast channels
E4	CORE	Process data circuit traffic
E4	CORE	Process voice circuit traffic
E4	CORE	Set Emission Control (EMCON) conditions
E5	CORE	Supervise communications positions
E4	CORE	Test communication circuits

MAINTENANCE

Paygrade	Task Type	Task Statements
E5	NON-CORE	Audit Naval Aviation Maintenance Programs (NAMP)
E7	NON-CORE	Certify aircraft maintenance records
E4	CORE	Conduct aircraft towing operations
E4	CORE	Document aircraft discrepancies
E4	CORE	Document in-flight maintenance
E4	CORE	Maintain aircraft avionics systems
E4	CORE	Maintain aircraft instrumentation systems
E4	CORE	Maintain aircraft systems using test equipment
E4	CORE	Maintain data link systems
E4	CORE	Maintain data processing systems
E5	NON-CORE	Maintain Electro-Optical (EO) and Infrared (IR) systems
E4	CORE	Maintain environmental systems
E4	CORE	Maintain fiber optic systems
E4	CORE	Maintain Identification Friend or Foe (IFF) systems
E4	CORE	Maintain Internal Communication Systems (ICS)
E4	CORE	Maintain mission systems
E4	CORE	Maintain navigation systems
E4	CORE	Maintain network cables
E4	CORE	Maintain network components
E4	CORE	Maintain radar systems
E4	CORE	Maintain Satellite Communication (SATCOM) systems
E4	CORE	Maintain wiring and connectors
E4	CORE	Maintain workstation application software
E6	NON-CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E6	NON-CORE	Monitor Naval Aviation Maintenance Programs (NAMP)
E4	CORE	Perform aircraft servicing procedures

MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform preservation and depreservation procedures
E5	NON-CORE	Perform Quality Assurance (QA) inspections
E7	NON-CORE	Release aircraft Safe For Flight (SFF)
E5	CORE	Supervise aircraft repairs
E4	CORE	Troubleshoot communications systems
E4	CORE	Troubleshoot workstation network connectivity

MISSION SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Initialize Global Positioning Satellite (GPS) equipment
E4	CORE	Initialize Inertial Navigation Systems (INS)
E5	NON-CORE	Inspect photographic equipment
E4	CORE	Load mission software
E4	NON-CORE	Operate photographic equipment
E4	CORE	Perform aircraft electrical systems operations
E4	CORE	Perform data processing for system and software operations
E4	CORE	Perform Secure Telephone Equipment (STE) operations
E4	CORE	Perform weather analysis using aircraft radar system operations

NETWORKING

Paygrade	Task Type	Task Statements
E4	CORE	Configure network hardware
E4	CORE	Configure network software
E4	CORE	Configure Voice over Internet Protocol (VoIP)
E4	CORE	Establish network connectivity using aircraft systems
E4	CORE	Inspect network components
E4	CORE	Load aircraft software
E4	CORE	Manage onboard Local Area Network (LAN) systems
E4	CORE	Monitor network connectivity
E5	NON-CORE	Perform system administrator functions
E4	CORE	Verify workstation network connectivity

OPERATIONS PLANNING AND LOGISTICS

Paygrade	Task Type	Task Statements
E7	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E6	NON-CORE	Coordinate airlift support
E7	CORE	Coordinate missions
E7	NON-CORE	Coordinate weapons system designs with contract engineers
E5	CORE	Prepare aircrew mission briefs and debriefs
E6	CORE	Prepare country clearance messages
E5	CORE	Prepare mission capability briefs

Job Title **Job Code**

Unmanned Aerial Vehicle (UAV) Pilot/Maintainer 002672

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	UAV PILOT/MAINTAINER	NAC UAV P-MNT

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWV	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Unmanned Aerial Vehicle (UAV) Pilots and Maintainers serve as external pilots directly controlling the flight of UAVs during launch and recovery operations by visual reference to the UAV: serve as internal pilots operating and navigating UAVs during the en route, mission, and return phases of flight; perform organizational level maintenance on UAV systems and Support Equipment (SE); operate and maintain Electro-Optical and Infrared (EO/IR) targeting systems; demonstrate knowledge in meteorology, aerodynamics, power plants, radios, and air traffic control; and perform basic and advanced flight operations.

DoD Relationship

Group Title	*DoD Code*
Aircraft, General	160000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Airline Pilots, Copilots, and Flight Engineers	53-2011.00	Transportation and Material Moving

Skills	Abilities
Operation and Control	*Problem Sensitivity*
Equipment Maintenance	*Information Ordering*
Coordination	*Written Comprehension*
Critical Thinking	*Manual Dexterity*
Monitoring	*Oral Expression*
Repairing	*Written Expression*
Complex Problem Solving	*Inductive Reasoning*
Management of Material Resources	*Selective Attention*
Judgment and Decision Making	*Deductive Reasoning*
Operation Monitoring	*Finger Dexterity*

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Administer aircrew training programs
E5	NON-CORE	Administer Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E5	NON-CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E6	NON-CORE	Develop tactical simulator scenarios
E5	NON-CORE	Instruct Crew Resource Management (CRM) programs
E4	CORE	Maintain aircrew publication libraries
E4	CORE	Maintain Naval Air Training and Operating Procedures Standardization (NATOPS) publications
E5	CORE	Manage aircrew training materials
E5	CORE	Prepare administrative briefs
E5	NON-CORE	Prepare tactical memorandums

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E4	NON-CORE	Compute aircraft load limitations
E5	NON-CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E4	CORE	Conduct Air Combat Training Continuum (ACTC) flight/ground training
E4	NON-CORE	Conduct Humanitarian Assistance and Disaster Relief (HADR) operations

AIRCREW DUTIES (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct testing of newly developed aircraft systems
E4	CORE	Consolidate mission data
E4	CORE	Draft mission logs
E5	NON-CORE	Employ aircraft laser systems
E4	CORE	Monitor avionics performance
E4	CORE	Monitor contacts
E5	CORE	Monitor Crew Resource Management (CRM)
E5	NON-CORE	Monitor tracks and Targets of Interest (TOI)
E4	NON-CORE	Perform advanced level first aid (e.g., Emergency Medical Responder (EMR) duties, in-flight first aid, Tactical Combat Casualty Care (TCCC) tier 2, etc.)
E4	CORE	Perform aircraft emergency procedures
E4	NON-CORE	Perform aircraft fueling
E4	CORE	Perform aircraft ground handling operations
E4	CORE	Perform aircraft pre-flight and post-flight inspections
E4	CORE	Perform aircraft security
E4	CORE	Perform Crew Resource Management (CRM)
E4	CORE	Perform logistical operations
E5	CORE	Perform Operational Reporting (OPREP) procedures
E4	CORE	Perform Support Equipment (SE) operations
E4	CORE	Perform warfare exercises
E4	CORE	Prepare aircraft for static displays
E4	NON-CORE	Report contacts
E4	CORE	Report in-flight status
E5	NON-CORE	Report Targets of Interest (TOI)
E4	CORE	Review aircraft maintenance records
E5	CORE	Supervise ground handling operations
E4	CORE	Supervise Support Equipment (SE) operations

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure data link systems
E4	CORE	Configure external electronic loading devices
E4	CORE	Configure Satellite Communication (SATCOM) systems
E4	CORE	Manage access to network resources
E4	CORE	Process data circuit traffic
E4	CORE	Process voice circuit traffic

MAINTENANCE

Paygrade	Task Type	Task Statements
E5	NON-CORE	Audit Naval Aviation Maintenance Programs (NAMP)
E7	NON-CORE	Certify aircraft maintenance records

MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Conduct aircraft towing operations
E4	CORE	Document aircraft discrepancies
E4	CORE	Maintain aircraft avionics systems
E4	CORE	Maintain aircraft instrumentation systems
E4	CORE	Maintain aircraft systems using test equipment
E4	CORE	Maintain data link systems
E4	CORE	Maintain data processing systems
E5	NON-CORE	Maintain Electro-Optical (EO) and Infrared (IR) systems
E4	CORE	Maintain fiber optic systems
E5	NON-CORE	Maintain laser systems
E4	CORE	Maintain mission systems
E4	CORE	Maintain navigation systems
E4	CORE	Maintain network cables
E4	CORE	Maintain network components
E4	CORE	Maintain radar systems
E4	CORE	Maintain Satellite Communication (SATCOM) systems
E4	CORE	Maintain wiring and connectors
E4	CORE	Maintain workstation application software
E6	NON-CORE	Manage Naval Aviation Maintenance Programs (NAMP)
E5	NON-CORE	Monitor aircraft hydraulic systems
E6	NON-CORE	Monitor Naval Aviation Maintenance Programs (NAMP)
E4	CORE	Perform aircraft servicing procedures
E5	NON-CORE	Perform Quality Assurance (QA) inspections
E7	NON-CORE	Release aircraft Safe For Flight (SFF)
E5	CORE	Supervise aircraft repairs
E4	CORE	Troubleshoot workstation network connectivity

MISSION SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Initialize Global Positioning Satellite (GPS) equipment
E4	CORE	Initialize Inertial Navigation Systems (INS)
E5	NON-CORE	Inspect photographic equipment
E4	CORE	Load mission software
E4	NON-CORE	Operate photographic equipment
E4	CORE	Perform aircraft electrical systems operations
E4	CORE	Perform data processing for system and software operations
E4	CORE	Perform Secure Telephone Equipment (STE) operations
E4	CORE	Perform weather analysis using aircraft radar system operations

NETWORKING

Paygrade	Task Type	Task Statements
E4	CORE	Configure network hardware
E4	CORE	Configure network software
E4	CORE	Configure Voice over Internet Protocol (VoIP)
E4	CORE	Establish network connectivity using aircraft systems
E4	CORE	Inspect network components
E6	NON-CORE	Manage Information Systems Security (ISS) programs
E4	CORE	Manage onboard Local Area Network (LAN) systems
E4	CORE	Monitor network connectivity
E4	CORE	Verify adherence to network policies
E4	CORE	Verify workstation network connectivity

OPERATIONS PLANNING AND LOGISTICS

Paygrade	Task Type	Task Statements
E7	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E5	CORE	Brief tactical missions
E6	NON-CORE	Coordinate airlift support
E7	CORE	Coordinate missions
E5	NON-CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E7	NON-CORE	Coordinate weapons system designs with contract engineers
E5	CORE	Prepare aircrew mission briefs and debriefs
E6	CORE	Prepare country clearance messages
E5	CORE	Prepare mission capability briefs
E5	NON-CORE	Support Naval Special Warfare (NSW) operations

UNMANNED AERIAL VEHICLE (UAV) OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Adjust aircraft engine power settings
E5	NON-CORE	Control Unmanned Aerial Vehicle (UAV) radar systems
E5	NON-CORE	Maintain Unmanned Aerial Vehicles (UAV)
E5	NON-CORE	Monitor Unmanned Aerial Vehicle (UAV) fuel systems
E5	NON-CORE	Operate Unmanned Aerial Vehicle (UAV) camera systems
E5	NON-CORE	Operate Unmanned Aerial Vehicle (UAV) navigation systems
E5	NON-CORE	Operate Unmanned Aerial Vehicle (UAV) radio systems
E5	NON-CORE	Perform Unmanned Aerial Vehicle (UAV) operations
E5	NON-CORE	Pilot Unmanned Aerial Vehicles (UAV)
E5	NON-CORE	Plan Unmanned Aerial Vehicle (UAV) operations
E5	NON-CORE	Power payload using Unmanned Aerial Vehicle (UAV) electrical systems

Job Title **Job Code**

Operations, Training, And Readiness Specialist (Avionics) 002833

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	OPS TRNG & RDNS AVIONICS	OT&R SPEC AVIO

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AWV	NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Operations, Training, and Readiness Specialists (Avionics) are integral members of aviation commands: coordinate operational, administrative, and aircrew scheduling functions; administer and manage aircrew training programs and resources; analyze training resource requirements; review proposed training devices and programs; develop and revise curricula; manage standardization of aircrew training to enhance proficiency and readiness; manage student quotas, qualifications and certifications; coordinate aircrew physical fitness and health program initiatives; track all aspects of aircrew performance data to support the rigorous demands of operational commitments worldwide; administer and direct the Naval Air Training and Operating Procedures Standardization (NATOPS) programs; and support tactics, training and readiness, weapons safety, Search and Rescue (SAR), and various other aircrew training/missions.

DoD Relationship

Group Title	*DoD Code*
Air Crew, General	105000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Training and Development Manager	11-3131.00	Management

Skills	Abilities
Management of Personnel Resources	*Information Ordering*
Critical Thinking	*Written Expression*
Management of Material Resources	*Oral Expression*
Judgment and Decision Making	*Written Comprehension*
Coordination	*Inductive Reasoning*
Monitoring	*Problem Sensitivity*
Complex Problem Solving	*Deductive Reasoning*
Quality Control Analysis	*Category Flexibility*
Writing	*Originality*
Operations Analysis	*Fluency of Ideas*

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Administer aircrew training programs
E5	NON-CORE	Administer Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E5	CORE	Administer Naval Aircrew Warfare Specialist (NAWS) programs
E6	CORE	Analyze monthly training trend reports
E7	CORE	Analyze training and readiness matrices
E5	NON-CORE	Certify Air Combat Training Continuum (ACTC) qualifications in training jackets
E6	CORE	Conduct Flight Order Audit Boards (FOAB)
E5	NON-CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E6	CORE	Define aircrew readiness requirements for individuals and crews
E5	CORE	Determine aircrew requirements for flight events and training devices
E6	NON-CORE	Develop Air Combat Training Continuum (ACTC)
E5	CORE	Develop aircrew training plans
E5	NON-CORE	Develop Naval Air Training and Operating Procedures Standardization (NATOPS) lesson materials
E7	NON-CORE	Evaluate aircrew qualification and readiness programs
E5	CORE	Evaluate aircrew training programs

AIRCREW ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain Naval Air Training and Operating Procedures Standardization (NATOPS) publications
E5	CORE	Maintain Naval Air Training and Operating Procedures Standardization (NATOPS) training jackets
E5	NON-CORE	Maintain Personnel Reliability Program (PRP) records
E5	NON-CORE	Maintain training and readiness databases
E7	CORE	Manage Air Combat Training Continuum (ACTC) programs
E7	CORE	Manage aircrew qualification and readiness programs
E5	CORE	Manage aircrew training materials
E7	CORE	Manage aircrew training programs
E6	NON-CORE	Manage Crew Resource Management (CRM) programs
E7	NON-CORE	Manage fleet acquisition programs
E7	CORE	Manage Naval Aircrew Warfare Specialist (NAWS) programs
E6	NON-CORE	Manage Personnel Reliability Programs (PRP)
E7	NON-CORE	Manage Temporary Flight Orders (TFO) programs
E5	CORE	Prepare administrative briefs
E6	CORE	Prepare Emergency Action Plans (EAP)
E5	CORE	Prepare flight hour reports
E5	NON-CORE	Prepare monthly training trend reports
E5	CORE	Record individual flight time summaries (e.g., logbook, Sierra Hotel Aircrew Readiness Program (SHARP), etc.)
E5	NON-CORE	Update aircrew course curriculum

AIRCREW DUTIES

Paygrade	Task Type	Task Statements
E5	CORE	Monitor Crew Resource Management (CRM)
E4	NON-CORE	Perform advanced level first aid (e.g., Emergency Medical Responder (EMR) duties, in-flight first aid, Tactical Combat Casualty Care (TCCC) tier 2, etc.)
E4	CORE	Perform warfare exercises

NETWORKING

Paygrade	Task Type	Task Statements
E7	NON-CORE	Manage Information Security (INFOSEC) programs
E6	NON-CORE	Manage Information Systems Security (ISS) programs

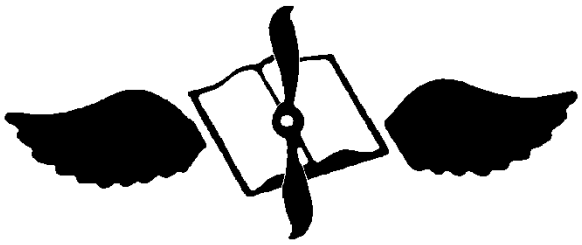
OPERATIONS PLANNING AND LOGISTICS

Paygrade	Task Type	Task Statements
E7	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E7	NON-CORE	Brief fleet aviation training requirements to upper echelon
E7	CORE	Coordinate aircraft assignments with maintenance control
E7	CORE	Coordinate aircraft availability for long and short range planning

OPERATIONS PLANNING AND LOGISTICS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Coordinate logistical operations
E7	CORE	Coordinate missions
E5	NON-CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E7	CORE	Coordinate warfare exercises
E7	NON-CORE	Coordinate weapons system designs with contract engineers
E7	NON-CORE	Define aircrew production requirements
E7	CORE	Manage aircrew operations
E5	CORE	Manage operational crew assignments
E7	NON-CORE	Monitor Fleet Replacement Squadron (FRS) student production
E7	CORE	Monitor fleet training and readiness levels
E7	CORE	Plan strategic operations
E5	NON-CORE	Prepare flight schedules
E5	CORE	Prepare mission capability briefs
E5	NON-CORE	Support Naval Special Warfare (NSW) operations

CHAPTER 13



AVIATION MAINTENANCE ADMINISTRATIONMAN (AZ)

NAVPERS 18068F-13G
Change 94

Updated: April 2023

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FOR

AVIATION MAINTENANCE ADMINISTRATIONMAN (AZ)

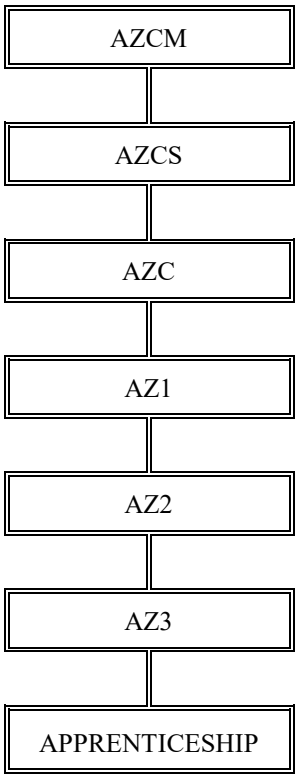
SCOPE OF RATING

Aviation Maintenance Administrationmen (AZ) perform technical, managerial, and support duties required by the Naval Aviation Maintenance Program (NAMP); prepare aircraft and maintenance related correspondence; maintain directive control and custody records, control forms and reporting requirements; maintain administrative files within the organization plan and program; coordinate scheduled and unscheduled maintenance tasks and the incorporation of changes and modifications on/to Naval aircraft and aeronautical equipment and support equipment; organize, maintain, and operate Navy Aeronautical Technical Publications Library (ATPL); oversee dispersed libraries; build, configure, deploy, and operate the Naval Aviation Logistics Command Management Information System (NALCOMIS) and Self-Monitoring Analysis Report Technology (SMART) servers; perform configuration management of Naval aircraft, associated components and support equipment; manage NALCOMIS hardware, software upgrades, and network security and Information Assurance (IA) requirements; set up and administer basic Local Area Networks (LAN) in support of Naval operations; liaise with ship and/or shore Information Technology (IT) personnel for NALCOMIS Local Area Network (LAN) support; and maintain data integrity between operations and maintenance departments.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 13.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Aviation Administrator

Job Code

002576

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Office and Administrative Support	TBD	AVIATION ADMINISTRATOR	AV ADMIN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	AZ	NEC FXXX and 7XXX series and other NECs as assigned

Job Description

Aviation Administrators perform technical, managerial, and support duties required by the Naval Aviation Maintenance Program (NAMP); prepare aircraft and maintenance related correspondence; maintain directive control and custody records, control forms, and reporting requirements; maintain files on departmental organization, manning, personnel travel and transfers, and training requirements; plan, program, and coordinate scheduled and unscheduled maintenance tasks and the incorporation of changes and modifications on/to Naval aircraft and aeronautical equipment and support equipment; coordinate squadron/activity maintenance reporting requirements; organize, maintain, and operate Navy Aeronautical Technical Publications Library (ATPL) to include Aircraft Launch and Recovery Equipment (ALRE) Quality Assurance (QA) administration; oversee dispersed libraries, and audit and train dispersed librarians; operate the Naval Aviation Logistics Command Management Information System (NALCOMIS) and associated platform-specific tracking systems; input, verify, and validate data pertaining to the history, operation, maintenance, configuration, receipt, and transfer of Naval aircraft, related aeronautical equipment and components; maintain operations department flight data historical files and aviator data; and provide support/assistance to organizational, intermediate, and depot maintenance staff areas.

DoD Relationship

Group Title	*DoD Code*
Aviation Maintenance Records and Reports	155500

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Production, Planning, and Expediting Clerks	43-5061.00	Office and Administrative Support

Skills	Abilities
Management of Material Resources	*Written Comprehension*
Monitoring	*Written Expression*
Coordination	*Problem Sensitivity*
Reading Comprehension	*Deductive Reasoning*
Mathematics	*Information Ordering*
Active Learning	*Mathematical Reasoning*
Systems Analysis	*Selective Attention*
Complex Problem Solving	*Number Facility*
Critical Thinking	*Inductive Reasoning*
Equipment Maintenance	*Time Sharing*

AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E4	NON-CORE	Audit Aircraft Launch and Recovery Equipment Maintenance Program (ALREMP) dispersed libraries
E4	NON-CORE	Maintain Aircraft Launch and Recovery Maintenance Program (ALREMP) central libraries
E4	NON-CORE	Maintain Aircraft Launch and Recovery Maintenance Program (ALREMP) logs and records
E6	NON-CORE	Maintain Naval Aviation Maintenance Discrepancy Reporting Program (NAMDRP) procedures
E4	NON-CORE	Track arresting gear and catapult maintenance inspection requirements in Maintenance and Material Management (3M) system
E4	NON-CORE	Track holdback bar inspection requirements

AUTOMATED LOGISTICS ENVIRONMENT (ALE) ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Configure Portable Electronic Maintenance Aids (PEMA) for Automated Logistics Environment (ALE) operations
E5	CORE	Correct Aircraft Data Files (ADF)
E5	CORE	Determine engine usage ratios
E4	CORE	Maintain Aircraft Data Files (ADF)
E5	CORE	Maintain Automated Logistics Environment (ALE) module interface requirements for the F/A-18-E/F, V-22, H-53, E-2D and H-60 aircraft
E5	CORE	Maintain engine percent life remaining reports
E5	CORE	Maintain Service Life Management Program (SLMP) data reports
E5	CORE	Manage F/A-18 Automated Maintenance Environment (FAME) data
E5	CORE	Migrate data from legacy systems to newer databases
E5	CORE	Perform trend analysis on Automated Logistics Environment (ALE) reports
E4	CORE	Process Aircraft Data Files (ADF) in stand-alone mode
E4	CORE	Reconcile Aircraft Data Files (ADF) with Naval Aviation Flight Record (NAVFLIR)
E5	CORE	Review Automated Trending and Analysis (ATA) reports
E5	CORE	Verify Structural Appraisal of Fatigue Effects (SAFE) reports for upline connectivity
E5	CORE	Verify usage data is applied to all applicable components

CENTRAL TECHNICAL PUBLICATIONS LIBRARY

Paygrade	Task Type	Task Statements
E5	CORE	Audit dispersed technical libraries
E5	CORE	Conduct Portable Electronic Maintenance Aids (PEMA) and associated hardware inventories
E5	CORE	Develop procedures for classified materials
E5	CORE	Initiate routing of Technical Directives (TD)
E5	CORE	Label manual binder spines
E5	CORE	Load Automated Data Processing (ADP) and Aircraft Intermediate Maintenance Department (AIMD) (Afloat) Joint Technical Data Integration (JTDI) Compact Disk (CD) updates on the Joint Knowledge Caching Server (JKCS)
E5	CORE	Load Electronic Rapid Action Changes (ERAC)
E5	CORE	Load Joint Technical Data Integration (JTDI) Compact Disk (CD) updates on the Joint Knowledge Caching Server (JKCS)
E5	CORE	Maintain a training program for dispersed librarians on technical publication updates
E5	CORE	Maintain Automated Technical Publications Libraries (ATPL)
E5	CORE	Maintain Central Technical Publications Library (CTPL) transaction files
E5	CORE	Maintain change entry certification record files
E5	CORE	Maintain classified material containers and access lists
E5	CORE	Maintain Enhanced Library Management Systems (ELMS)
E5	CORE	Maintain internal control of the Naval Aviation Maintenance Program (NAMP) via Electronic Library Management System (ELMS)

CENTRAL TECHNICAL PUBLICATIONS LIBRARY (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Maintain Joint Technical Data Integration (JTDI) Compact Disk (CD) updates on the Joint Knowledge Caching Server (JKCS)
E5	CORE	Maintain local Maintenance Requirement Cards (MRC)
E5	CORE	Maintain Naval Air publications via Naval Air Technical Data and Engineering Service Command (NATEC) website
E5	CORE	Maintain Naval Air Training and Operations Procedures Standardization (NATOPS)
E5	CORE	Maintain Portable Electronic Maintenance Aids (PEMA) in Electronic Library Management System (ELMS)
E5	CORE	Maintain technical manuals
E5	CORE	Maintain weekly Interim Rapid Action Change (IRAC) summaries
E5	CORE	Maintain weekly summaries of issued Technical Directives (TD)
E5	CORE	Manage Portable Electronic Maintenance Aids (PEMA)
E5	CORE	Order publications
E5	CORE	Perform Portable Electronic Maintenance Aids (PEMA) material condition inspections
E5	CORE	Track Technical Directives (TD) in Electronic Library Management System (ELMS) database
E5	CORE	Update Interactive Electronic Technical Manual (IETM) software
E5	CORE	Update publications and publication master files
E5	CORE	Verify Joint Technical Data Integration (JTDI) Compact Disk (CD) updates are loaded on the Joint Knowledge Caching Server (JKCS)

DATA ANALYSIS AND SYSTEM ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Analyze aviation maintenance data trends
E5	CORE	Assign Special Maintenance Qualifications (SMQ)
E5	CORE	Conduct maintenance documentation training
E5	CORE	Conduct Naval Aviation Logistics Command Management Information Systems (NALCOMIS) functionality training
E5	CORE	Configure detachment workstations and laptops
E5	CORE	Configure Uninterruptable Power Supply (UPS)
E5	CORE	Coordinate data transfers between servers and databases
E5	CORE	Coordinate system maintenance
E5	CORE	Correct database and system errors
E5	CORE	Create ad hoc Naval Aviation Logistics Command Maintenance Information Systems (NALCOMIS) reports
E5	CORE	Create database returns
E5	CORE	Create Naval Aviation Logistics Command Maintenance Information Systems (NALCOMIS) contingency training
E5	CORE	Create Naval Aviation Logistics Command Maintenance Information Systems (NALCOMIS) personnel accounts

DATA ANALYSIS AND SYSTEM ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Establish Optimized-Organizational Maintenance Activity Naval Aviation Logistics Command Maintenance Information Systems (OOMA NALCOMIS) interfaces
E5	CORE	Install detachment printers
E5	CORE	Install Naval Aviation Logistics Command Management Information Systems (NALCOMIS) security packages
E5	CORE	Load Naval Aviation Logistics Command Management Information Systems (NALCOMIS) operating software
E5	CORE	Lockout Optimized-Organizational Maintenance Activity Naval Aviation Logistics Command Management Information Systems (OOMA NALCOMIS) datasets after aircraft mishaps
E5	CORE	Maintain baseline change reports
E5	CORE	Maintain baseline trouble reports
E5	CORE	Maintain computer hardware
E5	CORE	Maintain detachment pack-up lists
E5	CORE	Maintain hardware inventories
E5	CORE	Maintain Naval Aviation Logistics Command Management Information Systems (NALCOMIS)
E5	CORE	Maintain Naval Aviation Logistics Command Management Information Systems (NALCOMIS) report files (e.g. MAINT 1-6 reports)
E5	CORE	Maintain Naval Aviation Logistics Command Management Information Systems (NALCOMIS) system history logs
E5	CORE	Maintain offsite backups
E5	CORE	Maintain Optimized-Organizational Maintenance Activity Naval Aviation Logistics Command Management Information Systems (OOMA NALCOMIS) technical advisories
E5	CORE	Maintain system administrator logbooks
E5	CORE	Maintain trouble call submissions and records
E5	CORE	Manage computer naming conventions
E5	CORE	Manage database user accounts and processes
E5	CORE	Manage Intermediate Level (I-Level) maintenance databases
E5	CORE	Manage Naval Aviation Logistics Command Management Information System (NALCOMIS) networks (e.g., peripheral cables, connections, printers, etc.)
E5	CORE	Manage Naval Flight Record Subsystem (NAVFLIRS) for aircrews
E5	CORE	Manage Naval Flight Record Subsystem (NAVFLIRS) upline reporting
E5	CORE	Manage network properties and local area connections
E5	CORE	Manage Public Key Infrastructure (PKI) and Department of Defense (DoD) certificates
E5	CORE	Manage server virtual machines
E5	CORE	Manage system servers and workstations
E5	CORE	Monitor database log spaces
E5	CORE	Monitor event viewer and transaction logs

DATA ANALYSIS AND SYSTEM ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Monitor Naval Aviation Logistics Command Management Information Systems (NALCOMIS) replication status
E5	CORE	Monitor Naval Aviation Logistics Command Management Information Systems (NALCOMIS) system performance
E5	CORE	Monitor scheduled system jobs
E5	CORE	Perform Assured Compliance Assessment Solution (ACAS)
E5	CORE	Perform database restores
E5	CORE	Perform detachment processing
E5	CORE	Perform Naval Aviation Logistics Command Management Information Systems (NALCOMIS) system backups
E5	CORE	Perform site-to-site server moves
E5	CORE	Prepare baseline trouble reports
E4	CORE	Prepare trouble call submissions and records (e.g., IT Service Management (ITSM))
E5	CORE	Process MAINT-2 and Naval Aviation Readiness Integrated Improvement Program (NAVRIIP) data
E5	CORE	Provide statistical analysis via Maintenance and Material Management (3M) summary
E5	CORE	Reconcile Naval Flight Record Subsystem (NAVFLIRS) data with Sierra Hotel Aviation Readiness Program (SHARP)
E5	CORE	Record system downtime and trouble calls
E5	CORE	Respond to user trouble calls
E5	CORE	Schedule database down time
E5	CORE	Troubleshoot Naval Aviation Logistics Command Management Information Systems (NALCOMIS)
E5	CORE	Update Information Assurance (IA) vulnerability alerts
E5	CORE	Update software configurations
E5	CORE	Verify baseline change reports
E5	CORE	Verify Sybase server status
E5	CORE	Verify Wide Area Network (WAN) for connectivity (e.g., O- to I-Level connection, MIDTIER)

LOGS AND RECORDS

Paygrade	Task Type	Task Statements
E5	CORE	Annotate replacement due-time on Aeronautical Equipment Service Record (AESR)
E5	CORE	Calculate replacement due-time on all carded items
E5	CORE	Close out outdated aircraft logbook forms
E5	CORE	Correct X-ray reports
E5	CORE	Create electronic log set components
E5	CORE	Create logbook records
E5	CORE	Create new aircraft logbook forms

LOGS AND RECORDS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Document engine reporting status via Decision Knowledge Engine Transaction Reporting (DECKETR) website
E5	CORE	Document Technical Directives (TD)
E5	CORE	Forward consolidated cards to central repository or Field Support Team (FST)
E5	CORE	Maintain aircraft historical files
E5	CORE	Maintain aircraft logbook pages
E4	CORE	Maintain Aviation Life Support Systems (ALSS) Auto Log-Sets (ALS)
E5	CORE	Maintain Engine Transaction Report (ETR) logs and worksheets
E5	CORE	Maintain X-ray reports
E4	CORE	Manage Aeronautical Armament Equipment (AAE) records
E5	CORE	Manage aircraft equipment service records
E6	CORE	Manage Aircraft Inventory Readiness Reporting Systems (AIRRS)
E5	CORE	Manage Auto Log-Sets (ALS)
E5	CORE	Manage Aviation Life Support System (ALSS) records
E5	CORE	Manage Configuration Management (CM) of Optimized-Organizational Maintenance Activity Naval Aviation Logistics Command Management Information Systems (OOMA NALCOMIS) assets
E5	CORE	Manage master flight files
E6	CORE	Manage transfer and receipt of aircraft documentation
E5	CORE	Prepare Engine Transaction Reports (ETR)
E5	CORE	Process aircraft X-ray reports via Optimized Organizational Maintenance Activity Naval Aviation Logistics Command Management Information Systems (OOMA NALCOMIS)
E5	CORE	Process Change of Location (COL) X-rays
E5	CORE	Process End of Quarter (EOQ) reports
E5	CORE	Process Engine Transaction Reports (ETR)
E5	CORE	Process Quarterly Hours in Life (QHIL) reports
E4	CORE	Research components missing logbook documentation
E5	CORE	Screen work orders for logbook entries
E6	CORE	Validate logbook entries
E5	CORE	Verify aircraft flight summary page
E5	CORE	Verify aircraft inspection cycles
E5	CORE	Verify component removal due reports
E5	CORE	Verify correct documentation on Assembly Service Record, Module Service Record, Equipment History Record, Schedule Removal Card (ASR/MSR/EHR/SRC)
E5	CORE	Verify engine inspection cycles
E4	CORE	Verify installed explosive devices with Cartridge Actuated Device / Propellant Actuated Device (CAD/PAD) and Optimized-Organizational Maintenance Activity (OOMA)
E5	CORE	Verify Naval Aviation Logistics Command Management Information Systems (NALCOMIS) engine management reports

LOGS AND RECORDS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Verify Periodic Maintenance Information Card (PMIC) against all tracked components
E5	CORE	Verify quarterly list 02 and list 04 Technical Directive (TD) reports
E5	CORE	Verify X-ray reporting via Aircraft Inventory Readiness Reporting Systems (AIRRS)

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Create Support Equipment (SE) licenses
E4	CORE	Distribute Monthly Maintenance Plans (MMP)
E4	CORE	Distribute Monthly Personnel Plans (MPP)
E4	CORE	Distribute nontechnical information and publications
E4	CORE	Draft aviation messages
E4	CORE	Issue Support Equipment (SE) licenses
E4	CORE	Maintain a master file of nontechnical instructions
E4	CORE	Maintain Advance Skills Management (ASM) program
E4	CORE	Maintain aviation maintenance correspondence ticklers
E4	CORE	Maintain aviation maintenance department message boards
E4	CORE	Maintain Monthly Maintenance Plans (MMP)
E4	CORE	Maintain Monthly Personnel Plans (MPP)
E4	CORE	Maintain organizational manpower charts
E4	CORE	Maintain Relational Administrative Data Management (RADM) database
E4	CORE	Maintain Standard Subject Identification Code (SSIC) files
E6	CORE	Manage Advanced Skills Management (ASM) system
E5	NON-CORE	Prepare awards
E4	NON-CORE	Prepare departmental muster reports
E4	CORE	Prepare Monthly Maintenance Plans (MMP)
E4	CORE	Prepare Monthly Personnel Plans (MPP)
E4	CORE	Process Support Equipment (SE) licenses and renewals
E5	CORE	Safeguard classified aviation maintenance documents
E5	CORE	Track maintenance action reports

MAINTENANCE/PRODUCTION CONTROL

Paygrade	Task Type	Task Statements
E6	CORE	Certify aircraft safe for flight
E6	CORE	Conduct Naval Aviation Maintenance Program (NAMP) self-audits
E6	CORE	Coordinate Depot-Level (D-Level) maintenance requirements
E4	CORE	Issue aircraft inspections
E4	CORE	Maintain Aircraft Discrepancy Books (ADB) and Automated Aircraft Discrepancy Books (AADB)

MAINTENANCE/PRODUCTION CONTROL (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain aircraft status reports and boards
E4	CORE	Maintain historical flight schedules
E4	CORE	Maintain Rough Flight Logs (RFL)
E6	NON-CORE	Manage Aviation Maintenance Supply Readiness Reporting (AMSRR) accounts
E7	NON-CORE	Manage Budget Operating Target (OPTAR) Reports (BOR) reports
E6	CORE	Manage Fatigue Life Expenditures (FLE)
E7	CORE	Manage flight hours
E7	NON-CORE	Manage purchase card programs
E5	CORE	Manage Structural Life Limit (SLL) programs
E6	CORE	Monitor Fatigue Life Expenditure (FLE) reports
E4	CORE	Perform Automated Aircraft Discrepancy Books (AADB) summary page backups
E4	CORE	Prepare administrative work orders on aircraft, Support Equipment (SE), and Aviation Life Support Systems (ALSS)
E4	CORE	Process work orders on Aviation Life Support Systems (ALSS) inspections
E4	CORE	Process work requests
E4	CORE	Validate aircrew flight reports
E6	CORE	Verify cannibalization logs
E5	CORE	Verify Rough Flight Logs (RFL)

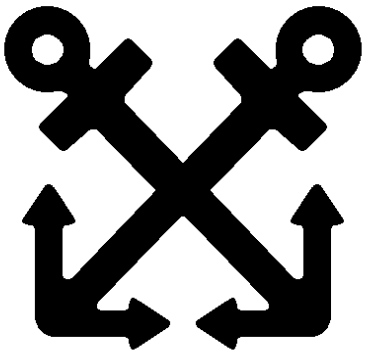
SUPPORT EQUIPMENT PLANNED MAINTENANCE SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Coordinate Intermediate Maintenance Activity (IMA) inspections
E4	CORE	Document Non-Destructive Inspection (NDI) and proof load tests on Support Equipment (SE) Custody and Maintenance History Record (OPNAV 4790/51)
E4	CORE	File Support Equipment (SE) Planned Maintenance System (PMS) records
E4	CORE	Maintain preservation and depreservation cycle documentation
E4	CORE	Maintain Support Equipment (SE) Acceptance and Transfer checklists
E4	CORE	Maintain Support Equipment (SE) Auto Log-Sets (ALS)
E4	CORE	Review Local Asset Management System (LAMS) reports for Planned Maintenance System (PMS) requirements
E4	CORE	Store current and historical Support Equipment (SE) Planned Maintenance System (PMS) documentation
E4	CORE	Verify NAT02 Technical Directives (TD)
E4	CORE	Verify Support Equipment (SE) inspection cycles

TECHNICAL DIRECTIVES

Paygrade	Task Type	Task Statements
E6	CORE	Conduct Technical Directives (TD) self-audits
E5	CORE	Initiate Technical Directives (TD) work orders
E6	CORE	Maintain Technical Directives (TD) kits
E5	CORE	Maintain Technical Directives (TD) routing and tracking sheets
E6	CORE	Manage outstanding Technical Directives (TD) reports
E6	CORE	Manage Technical Directives (TD) configuration files for Auto Log-Sets (ALS)
E6	CORE	Manage Technical Directives (TD) programs
E5	CORE	Perform Technical Directives (TD) verification via applicable reports
E6	CORE	Prepare forms to incorporate Technical Directives (TD) at the depot-level
E6	CORE	Process Technical Directives (TD) deviation waivers
E6	CORE	Procure Technical Directives (TD) kits
E5	CORE	Screen aircraft, engine, Support Equipment (SE), and all applicable records for Technical Directives (TD) compliance
E5	CORE	Verify Technical Directives (TD) tasks are set on components and subcomponents

CHAPTER 14



BOATSWAIN'S MATE
(BM)

NAVPERS 18068F-14E
Change 88

Updated: October 2021

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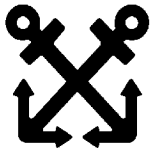
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

BOATSWAIN'S MATE (BM)



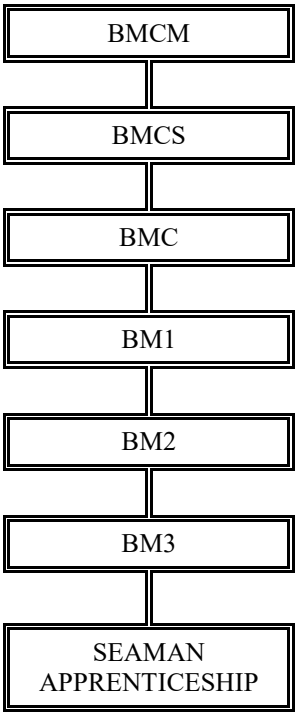
SCOPE OF RATING

Boatswain's Mates (BM) conduct, direct, supervise, and train ship handling, anchoring, mooring and towing operations, small boat operations, underway replenishment, amphibious operations, flight deck operations, crane operations, cargo handling, lifesaving equipment handling, rigging, deck seamanship, painting and preservation, marlinespike seamanship, and related equipment maintenance and administration.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 14.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Ship's And Boat's Mate

Job Code

003720

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	SHIPS AND BOATS MATE	SB MATE

Pay Plan	Career Field	Other Relationships and Rules
ENLISTED	BM	NEC WXXX series or other NECs as assigned

Job Description

Ship's and Boat's Mates are responsible for the proper training and supervision of junior personnel, including junior officers, in naval traditions, military conduct and justice, leadership, management information, career information, training, programs and policies, military requirements, safety, and security, visual, and radio communications procedures; direct the operation and maintenance of deck machinery, damage control, and other emergency equipment; direct the movement of non-self-propelled yard craft within the boundaries of harbors, bays, and sounds; operate tugs to assist in docking, undocking, dry-docking, and cold iron moves; assist in sea/air rescue and missions of mercy operations; manage the movement of control rotary aircraft and crane operation administration; act as safety technicians by assisting the Safety Officer or Safety Manager in the implementation of the Navy Occupational Safety and Health (NAVOSH) program and other command safety programs; perform administrative and record keeping functions in support of the command safety organization; and identify unsafe work practices and hazardous health conditions.

DoD Relationship

Group Title	*DoD Code*
Boatswains	106000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Captains, Mates, and Pilots of Water Vessels	53-5021.00	Transportation and Material Moving

Skills	Abilities
Monitoring	*Deductive Reasoning*
Operation and Control	*Spatial Orientation*
Quality Control Analysis	*Oral Expression*
Equipment Maintenance	*Written Comprehension*
Reading Comprehension	*Information Ordering*
Management of Material Resources	*Time Sharing*
Management of Personnel Resources	*Manual Dexterity*
Coordination	*Problem Sensitivity*
Active Learning	*Written Expression*
Equipment Selection	*Arm-Hand Steadiness*

AMPHIBIOUS OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Control amphibious craft steering and speed
E6	NON-CORE	Coordinate amphibious beach traffic
E7	CORE	Coordinate repairs of well deck equipment
E7	NON-CORE	Manage beach logistics support operations
E7	NON-CORE	Manage salvage operations
E7	CORE	Manage ship to shore evolutions
E7	CORE	Manage well deck evolutions
E6	CORE	Supervise vehicle placement, loading, and securing operations
E6	CORE	Supervise well deck evolutions

ANCHORING, MOORING, AND TOWING

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate repairs of anchoring, mooring, and towing equipment
E7	CORE	Manage anchoring evolutions
E7	CORE	Manage mooring and getting underway evolutions
E7	CORE	Manage mooring to and getting underway from buoys
E7	CORE	Manage towing evolutions
E6	CORE	Supervise anchoring evolutions
E6	CORE	Supervise mooring and getting underway evolutions

ANCHORING, MOORING, AND TOWING (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise mooring configurations (e.g., heavy weather, tidal range, etc.)
E6	CORE	Supervise mooring to and getting underway from buoys
E6	CORE	Supervise towing evolutions

CARGO HANDLING, RIGGING, AND CRANES

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate repairs of cargo handling equipment (e.g., cranes, Material Handling Equipment (MHE), Weight Handling Equipment (WHE), etc.)
E7	CORE	Maintain crane programs
E7	CORE	Manage cargo handling evolutions
E6	CORE	Plan cargo handling evolutions
E6	CORE	Supervise cargo handling evolutions

DECK SEAMANSHIP

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate repairs of davits
E6	CORE	Manage ladder, brows, and gangway evolutions
E6	CORE	Manage line handling operations
E7	CORE	Manage shipboard man overboard recovery evolutions

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate equipment certifications and recertifications
E7	CORE	Coordinate readiness evaluations
E7	CORE	Coordinate weight tests
E7	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E7	CORE	Maintain Afloat Self-Assessment (ASA) programs
E6	CORE	Maintain equipment and test logs
E7	CORE	Maintain shipboard bills (e.g., boat, helicopter, abandon ship, etc.)
E6	CORE	Maintain technical publications
E6	CORE	Manage readiness evaluation preparations
E6	CORE	Manage safety programs and instructions (e.g., Respiratory Protection Program Manager (RPPM))
E7	CORE	Manage weight test programs
E6	CORE	Supervise equipment installations, testing, and alterations
E6	CORE	Supervise weight tests
E7	CORE	Verify equipment installations, testing, and alterations
E7	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)

FLIGHT DECK OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate repairs of flight decks (e.g., non-skid, Visual Landing Aids (VLA), padeyes, etc.)
E7	CORE	Inspect flight decks (e.g., non-skid, Visual Landing Aids (VLA), padeyes, etc.)

FLIGHT DECK OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage helicopter flight deck operations
E6	CORE	Supervise helicopter launch and recovery evolutions

PAINTING AND PRESERVATION

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate deck painting and preservation plans and equipment (e.g., man lifts, barges, etc.)

SMALL BOAT OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate repairs of small boat davits
E7	CORE	Coordinate repairs of small boats and equipment
E7	CORE	Manage small boat evolutions
E7	CORE	Manage small boat man overboard recovery evolutions
E6	CORE	Supervise small boat evolutions
E6	CORE	Supervise small boat man overboard recovery evolutions

UNDERWAY REPLENISHMENT (UNREP)

Paygrade	Task Type	Task Statements
E7	CORE	Manage cargo replenishment evolutions
E7	CORE	Manage fueling replenishment evolutions
E7	CORE	Manage personnel transfer at sea
E7	CORE	Manage Vertical Replenishment (VERTREP) evolutions
E6	CORE	Supervise cargo replenishment evolutions
E6	CORE	Supervise fueling replenishment evolutions
E6	CORE	Supervise personnel transfer at sea
E6	CORE	Supervise Vertical Replenishment (VERTREP) evolutions

Job Title
Ordinary Seaman

Job Code
003721

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	ORDINARY SEAMAN	ORD SEAMAN

Pay Plan	Career Field	Other Relationships and Rules
ENLISTED	BM	NEC WXXX series or other NECs as assigned.

Job Description
Ordinary Seamen perform maintenance and preservation of ship's metal and wood surfaces, compartments, deck machinery, and equipment; stand deck watches that include helmsman, lee helmsman, lookout, Boatswain's Mate of the Watch, and messenger of the watch underway; man and operate amphibious crafts and small boats; assist in flight deck operations, underway replenishment, and crane and winch operations; perform all basic seamanship functions aboard ship including knot tying and whipping and seizing lines or wire; and perform basic emergency functions including first aid treatment and damage control.

DoD Relationship

Group Title	*DoD Code*
Boatswains	106000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Sailors and Marine Oilers	53-5011.00	Transportation and Material Moving

Skills	Abilities
Coordination	*Manual Dexterity*
Management of Material Resources	*Deductive Reasoning*
Operation and Control	*Problem Sensitivity*
Quality Control Analysis	*Spatial Orientation*
Equipment Selection	*Oral Expression*
Equipment Maintenance	*Information Ordering*
Operation Monitoring	*Far Vision*
Critical Thinking	*Control Precision*
Speaking	*Glare Sensitivity*
Troubleshooting	*Arm-Hand Steadiness*

AMPHIBIOUS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Direct amphibious craft landing operations
E4	CORE	Direct amphibious crafts and vehicles
E4	NON-CORE	Direct beach vehicle traffic
E4	CORE	Launch amphibious crafts (e.g., Landing Craft Air Cushion (LCAC), Landing Craft Utility (LCU), Landing Craft Mechanized (LCM), Combat Rubber Raiding Craft (CRRC), etc.)
E4	CORE	Launch amphibious vehicles (e.g., assault vehicles, Lighter Amphibious Resupply Cargo (LARC) vehicles, etc.)
E4	CORE	Load amphibious crafts (e.g., Landing Craft Air Cushion (LCAC), Landing Craft Utility (LCU), Landing Craft Mechanized (LCM), Combat Rubber Raiding Craft (CRRC), etc.)
E4	CORE	Load amphibious vehicles (e.g., assault vehicles, Lighter Amphibious Resupply Cargo (LARC) vehicles, etc.)
E4	CORE	Perform well deck Foreign Object Damage (FOD) walk downs
E4	NON-CORE	Prepare amphibious beach equipment
E4	CORE	Prepare crafts
E4	CORE	Prepare vehicles
E4	CORE	Prepare well deck equipment (e.g., capstans, lines, tie-downs, ventilations, padeyes, staples, etc.)
E4	CORE	Recover amphibious crafts (e.g., Landing Craft Air Cushion (LCAC), Landing Craft Utility (LCU), Landing Craft Mechanized (LCM), Combat Rubber Raiding Craft (CRRC), etc.)

AMPHIBIOUS OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Recover amphibious vehicles (e.g., assault vehicles, Lighter Amphibious Resupply Cargo (LARC) vehicles, etc.)
E4	CORE	Repair well deck equipment (e.g., lines, tie-downs, chains, etc.)
E4	CORE	Report amphibious beach signals and flags
E4	CORE	Report amphibious craft markings and flags
E4	CORE	Report amphibious signals and markings
E4	CORE	Report corrective maintenance needs for well deck equipment (e.g., capstans, lines, tie-downs, ventilations, padeyes, staples, etc.)
E4	CORE	Secure crafts
E4	CORE	Secure vehicles
E4	CORE	Test well deck equipment (e.g., capstans, lines, tie-downs, ventilations, padeyes, staples, etc.)
E4	CORE	Troubleshoot well deck equipment (e.g., capstans, lines, tie-downs, ventilations, padeyes, staples, etc.)
E4	CORE	Unload amphibious crafts (e.g., Landing Craft Air Cushion (LCAC), Landing Craft Utility (LCU), Landing Craft Mechanized (LCM), Combat Rubber Raiding Craft (CRRC), etc.)
E4	CORE	Unload amphibious vehicles (e.g., assault vehicles, Lighter Amphibious Resupply Cargo (LARC) vehicles, etc.)

ANCHORING, MOORING, AND TOWING

Paygrade	Task Type	Task Statements
E4	CORE	Handle ground tackle (e.g., stoppers, shackles, etc.)
E4	CORE	Hoist ship's anchor
E4	CORE	Inspect anchoring equipment
E4	CORE	Inspect mooring equipment
E4	CORE	Inspect towing equipment
E4	CORE	Let go of ship's anchor
E4	CORE	Lower ship's anchor
E4	CORE	Maintain mooring configurations (e.g., heavy weather, tidal range, etc.)
E4	CORE	Pass heaving lines
E4	CORE	Perform mooring and getting underway evolutions
E4	CORE	Prepare lines for mooring and getting underway evolutions
E4	CORE	Repair mooring equipment
E4	CORE	Replace anchoring equipment
E4	CORE	Replace towing equipment
E4	CORE	Report corrective maintenance needs for anchoring equipment
E4	CORE	Report corrective maintenance needs for mooring equipment
E4	CORE	Report corrective maintenance needs for towing equipment
E4	CORE	Report positions and tensions of anchor chains
E4	CORE	Rig for mooring to buoy
E4	CORE	Rig for towing
E4	CORE	Rig to be towed
E4	CORE	Secure mooring lines after getting underway

ANCHORING, MOORING, AND TOWING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test anchoring equipment (e.g., windlasses, communications, etc.)
E4	CORE	Test mooring equipment (e.g., capstans, communications, etc.)
E4	CORE	Test towing equipment (e.g., capstans, windlasses, communications, etc.)
E4	CORE	Unrig from mooring buoy
E4	CORE	Unrig from tow

CARGO HANDLING, RIGGING, AND CRANES

Paygrade	Task Type	Task Statements
E4	CORE	Inspect cargo handling equipment
E4	CORE	Package cargo for transfer
E4	CORE	Perform Material Handling Equipment (MHE) evolutions
E4	CORE	Perform rigging evolutions
E4	CORE	Perform shipboard crane evolutions (e.g., line handling, rigger, etc.)
E4	CORE	Perform Weight Handling Equipment (WHE) evolutions (e.g., chain hoist, block and tackle, etc.)
E4	CORE	Replace cargo handling equipment
E4	CORE	Report corrective maintenance needs for cargo handling equipment
E4	CORE	Rig cargo handling equipment
E4	CORE	Unrig cargo handling equipment

DECK SEAMANSHIP

Paygrade	Task Type	Task Statements
E4	CORE	Apply whippings on lines
E4	CORE	Belay lines to deck fittings
E4	CORE	Control ship steering and speed
E4	CORE	Execute boat hails, recalls, and salutes
E4	CORE	Handle lines for deck operations
E4	CORE	Inspect abandon ship equipment
E4	CORE	Inspect lifesaving equipment
E4	CORE	Make up lines (i.e., coil, fake, and flemish)
E4	CORE	Perform shipboard man overboard recovery procedures
E4	CORE	Render calls on boatswains pipe
E4	CORE	Replace abandon ship equipment
E4	CORE	Replace lifesaving equipment
E4	CORE	Report air contacts
E4	CORE	Report corrective maintenance needs for davits
E4	CORE	Report flags, day shapes, and light configurations
E4	CORE	Report man overboard
E4	CORE	Report Search And Rescue (SAR) signals
E4	CORE	Report signal flags, pennants, and flares
E4	CORE	Report sound signals
E4	CORE	Report surface contacts
E4	CORE	Report water depths using lead lines

DECK SEAMANSHIP (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Rig brows and gangways
E4	CORE	Rig deck equipment
E4	CORE	Rig for davit operations
E4	CORE	Rig life lines
E4	CORE	Rig shipboard ladders
E4	CORE	Rig stages and boatswain's chairs
E4	CORE	Steer ships using aft steering equipment
E4	CORE	Stow lines
E4	CORE	Test abandon ship equipment (e.g., life preservers)
E4	CORE	Test lifesaving equipment
E4	CORE	Unrig brows and gangways
E4	CORE	Unrig deck equipment
E4	CORE	Unrig from davit operations
E4	CORE	Unrig life lines
E4	CORE	Unrig shipboard ladders
E4	CORE	Unrig stages and boatswain's chairs

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Inspect work areas, tools, and equipment
E4	CORE	Inventory equipment (e.g., painting and preservation, flight deck, crash and salvage, etc.)

FLIGHT DECK OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Direct aircraft during Vertical Replenishment (VERTREP) and Helicopter In-Flight Refueling (HIFR)
E4	CORE	Inspect flight deck equipment
E4	CORE	Launch helicopters
E4	CORE	Perform flight deck Foreign Object Damage (FOD) walk downs
E4	CORE	Prepare flight deck equipment
E4	CORE	Recover helicopters
E4	CORE	Refuel helicopters
E4	CORE	Replace flight deck equipment
E4	CORE	Rig for Helicopter In-Flight Refueling (HIFR)
E4	CORE	Secure helicopters to flight decks
E4	CORE	Test flight deck equipment (e.g., communications, night wands, grounding rods, etc.)
E4	CORE	Unrig from Helicopter In-Flight Refueling (HIFR)

MARLINESPIKE SEAMANSHIP

Paygrade	Task Type	Task Statements
E4	CORE	Inspect lines (e.g., natural, synthetic, etc.)
E4	CORE	Inspect wire ropes
E4	CORE	Repair lines (e.g., natural, synthetic, etc.)

MARLINESPIKE SEAMANSHIP (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Repair synthetic and canvas products
E4	CORE	Replace lines (e.g., natural, synthetic, etc.)
E4	CORE	Replace synthetic and canvas products
E4	CORE	Replace wire ropes
E4	CORE	Splice lines
E4	CORE	Tie knots, bends, and hitches

PAINTING AND PRESERVATION

Paygrade	Task Type	Task Statements
E4	CORE	Control aerial man lift vehicles
E4	CORE	Inventory primer, paint, and non-skid
E4	CORE	Paint prepared surfaces using primer, paint, and non-skid
E4	CORE	Prepare primer, paint, and non-skid
E4	CORE	Prepare surfaces for primer, paint, and non-skid
E4	CORE	Repair painting and preservation equipment
E4	CORE	Replace painting and preservation equipment
E4	CORE	Test painting and preservation equipment
E4	CORE	Troubleshoot painting and preservation equipment

SMALL BOAT OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Anchor small boats
E4	CORE	Conduct small boat safety evolutions
E4	CORE	Conduct small boat security evolutions
E4	CORE	Conduct Visit Board Search and Seizure (VBSS) operations
E4	CORE	Control small boat steering and speed
E4	CORE	Follow navigational aids and rules of the road during small boat operations
E4	CORE	Inspect small boat davits
E4	CORE	Inspect small boat equipment
E4	CORE	Inspect small boat hulls and sponsons
E4	CORE	Launch small boats
E4	CORE	Load small boats (e.g., equipment, passengers, etc.)
E4	CORE	Moor small boats
E4	CORE	Navigate small boats
E4	CORE	Perform small boat man overboard recovery procedures
E4	CORE	Prepare small boats
E4	CORE	Recover small boats
E4	CORE	Refuel small boats
E4	CORE	Repair small boat equipment (e.g., lines, floatation devices, etc.)
E4	CORE	Repair small boat hulls and sponsons
E4	CORE	Replace small boat davit components (e.g., man ropes, shackles, wire ropes, etc.)
E4	CORE	Report corrective maintenance needs for small boat davits
E4	CORE	Report corrective maintenance needs for small boats and equipment

SMALL BOAT OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test small boat davits
E4	CORE	Test small boat equipment
E4	CORE	Test small boat sponsons
E4	CORE	Troubleshoot small boat sponsons
E4	CORE	Unload small boats (e.g., equipment, passengers, etc.)

UNDERWAY REPLENISHMENT (UNREP)

Paygrade	Task Type	Task Statements
E4	CORE	Inspect replenishment equipment
E4	CORE	Perform cargo replenishment evolutions
E4	CORE	Perform external communications (ship-to-ship)
E4	CORE	Perform fueling replenishment evolutions
E4	CORE	Repair replenishment equipment
E4	CORE	Replace replenishment equipment
E4	CORE	Report positions using phones and distance lines
E4	CORE	Rig cargo for Vertical Replenishment (VERTREP)
E4	CORE	Rig cargo replenishment stations
E4	CORE	Rig for personnel transfer at sea
E4	CORE	Rig fueling replenishment stations
E4	CORE	Send and receive replenishment at sea signals
E4	CORE	Test replenishment equipment
E4	CORE	Troubleshoot replenishment equipment
E4	CORE	Unrig cargo from Vertical Replenishment (VERTREP)
E4	CORE	Unrig cargo replenishment stations
E4	CORE	Unrig from personnel transfer at sea
E4	CORE	Unrig fueling replenishment stations

Job Title
Able Seaman

Job Code
003722

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	ABLE SEAMAN	ABLE SEAMAN

Pay Plan	Career Field	Other Relationships and Rules
ENLISTED	BM	NEC WXXX series or other NECs as assigned.

Job Description
Able Seamen perform shipboard operations including maintenance and upkeep of the ship; assist in ship security, deck seamanship, navigation, and piloting; operate and maintain small boats, deck equipment, and machinery; prepare metal and wood surfaces by applying primers and paints; rig cargo handling equipment for ship replenishment at sea, handle cargo, direct winch and crane operators, perform work details, and assist with repair parties during shipboard emergencies; launch and recover amphibious crafts, operate small boats as coxswains, and inspect and maintain lifeboats, life rafts, and survival equipment; and train junior personnel performing flight deck observer, chock and chain personnel, and enlisted landing signalmen for multiple helicopter flight deck operations.

DoD Relationship

Group Title	*DoD Code*
Boatswains	106000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Maintenance Workers, Machinery	49-9043.00	Installation, Maintenance, and Repair

Skills	Abilities
Monitoring	*Time Sharing*
Management of Personnel Resources	*Spatial Orientation*
Operation and Control	*Information Ordering*
Equipment Maintenance	*Deductive Reasoning*
Quality Control Analysis	*Problem Sensitivity*
Operation Monitoring	*Manual Dexterity*
Equipment Selection	*Written Comprehension*
Management of Material Resources	*Depth Perception*
Reading Comprehension	*Oral Expression*
Coordination	*Far Vision*

AMPHIBIOUS OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Evaluate surf zones for landings
E5	CORE	Inspect well deck equipment (e.g., capstans, lines, tie-downs, ventilations, padeyes, staples, etc.)
E5	CORE	Supervise well deck Foreign Object Damage (FOD) walk downs

CARGO HANDLING, RIGGING, AND CRANES

Paygrade	Task Type	Task Statements
E5	CORE	Control shipboard cranes
E5	CORE	Direct shipboard cranes

DECK SEAMANSHIP

Paygrade	Task Type	Task Statements
E5	CORE	Coordinate shipboard honors and ceremonies
E5	CORE	Inspect davits
E5	CORE	Supervise davit evolutions
E5	CORE	Supervise ladder, brows, and gangway evolutions
E5	CORE	Supervise line handling operations
E5	CORE	Supervise shipboard man overboard recovery evolutions
E5	CORE	Test davits

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Analyze schematics (e.g., mechanical drawings, electrical schematics, piping and valve drawings, etc.)
E5	CORE	Maintain equipment records
E5	CORE	Manage equipment (e.g., painting and preservation, flight deck, crash and salvage, etc.)

FLIGHT DECK OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Supervise flight deck Foreign Object Damage (FOD) walk downs

MARLINESPIKE SEAMANSHIP

Paygrade	Task Type	Task Statements
E5	CORE	Attach wire rope clips
E5	CORE	Supervise line repairs and replacements
E5	CORE	Supervise wire rope replacements

PAINTING AND PRESERVATION

Paygrade	Task Type	Task Statements
E5	CORE	Supervise painting and preservation evolutions

SMALL BOAT OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Supervise small boat hull and sponson repairs

UNDERWAY REPLENISHMENT (UNREP)

Paygrade	Task Type	Task Statements
E5	CORE	Perform personnel transfer at sea
E5	CORE	Perform Vertical Replenishment (VERTREP) evolutions

CHAPTER 15

SPECIAL WARFARE BOAT OPERATOR (SB)

NAVPERS 18068F-15C
Change 102

Updated: April 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

SPECIAL WARFARE BOAT OPERATOR (SB)

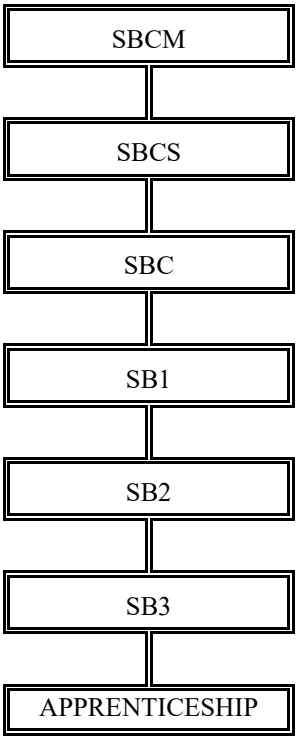
SCOPE OF RATING

Special Warfare Boat Operators (SB) conduct maritime Special Operations in contested open ocean, littoral, and riverine environments; provide maritime insertion and extraction of Special Operations Forces (SOF) and others; possess unique skills in the operation, maintenance, and repair of specially configured Naval Special Warfare (NSW) Maritime Craft; operate and maintain various scalable weapons systems, tactical communications equipment, Unmanned Systems (UxS), and use of Joint Force mobility techniques to insert NSW Maritime Craft. Other skills include small boat tactics, ground mobility, call for fires, trauma care, intelligence gathering, and Chemical, Biological, Radiological, Nuclear (CBRN) measures.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 15.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN articles 1220-100, 1220-340, and 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Special Warfare Combat Crewman Basic 001775

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	SPEC WARFARE COMBAT SWCC BASIC	SWCC Basic

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	SB	5352

Job Description

Special Warfare Combat Crewmen Basic personnel perform a multitude of duties during Special Operations missions; operate and maintain various scalable weapon systems, engineering systems, tactical communications equipment, Unmanned Systems (UxS); implement Joint Force mobility techniques, tactical medicine, joint and combined operations; perform Nuclear, Biological, Chemical, and Radiological (CBRN) operations, intelligence gathering; and are experts in maritime operations.

DoD Relationship **O*NET Relationship**

Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Special Forces	101100	Special Forces	55-3018.00	Military Specific

Skills	Abilities
Operation and Control	*Information Ordering*
Monitoring	*Problem Sensitivity*
Critical Thinking	*Oral Expression*
Coordination	*Spatial Orientation*
Reading Comprehension	*Inductive Reasoning*
Equipment Maintenance	*Written Comprehension*
Judgment and Decision Making	*Gross Body Coordination*
Active Listening	*Memorization*
Equipment Selection	*Multi-limb Coordination*
Troubleshooting	*Deductive Reasoning*

AIR INSERTION AND EXTRACTION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Pack free-fall parachutes
E4	CORE	Perform cargo and equipment insertion operations (e.g., Individual Storage Unit (ISU), Hazardous Material (HAZMAT), required operational gear, etc.)
E4	CORE	Perform cast operations
E5	NON-CORE	Perform combatant craft air deployments (i.e., Low Velocity Air Drop System (LVADS))
E4	CORE	Perform fast-rope operations
E4	CORE	Perform free-fall parachute operations
E4	CORE	Perform helo-hoist recovery
E4	NON-CORE	Perform Maritime External Air Transportation System (MEATS) / External Air Transportation System (EATS) Tactics, Techniques, and Procedures (TTP)
E4	CORE	Perform rappelling operations
E4	NON-CORE	Perform Special Purpose Insertion Extraction (SPIE) operations
E4	CORE	Perform static-line parachute operations
E5	NON-CORE	Supervise cast operations
E5	NON-CORE	Supervise fast-rope operations
E5	NON-CORE	Supervise free-fall parachute operations
E5	NON-CORE	Supervise land and water drop-zone operations
E5	NON-CORE	Supervise Maritime External Air Transportation System (MEATS)/External Air Transportation System (EATS) operations

AIR INSERTION AND EXTRACTION OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Supervise rappelling operations
E5	NON-CORE	Supervise Special Purpose Insertion Extraction (SPIE) operations
E5	NON-CORE	Supervise static-line parachuting operations

CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR (CBRN) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Administer initial treatment for Chemical, Biological, Radiological, and Nuclear (CBRN) injuries
E4	CORE	Decontaminate Chemical, Biological, Radiological, and Nuclear (CBRN) affected personnel and equipment
E4	CORE	Deliver protective measures for Chemical, Biological, Radiological, and Nuclear (CBRN) response

CLASSIFIED MATERIAL CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Control restricted area access
E4	CORE	Destroy classified materials
E4	CORE	Inventory classified materials
E4	CORE	Perform auditing of Communications Security (COMSEC) materials
E4	CORE	Perform electronic transfer of electronic keying materials (i.e., Over the Air Transfers (OTAT) and Over the Air Rekeys (OTAR))
E4	CORE	Perform physical transfer of electronic keying materials
E4	CORE	Store classified materials
E4	CORE	Transfer custody of classified materials

ENGINEERING EVOLUTIONS

Paygrade	Task Type	Task Statements
E4	CORE	Inventory Naval Special Warfare (NSW) Maritime Craft and ancillary equipment
E4	CORE	Maintain Naval Special Warfare (NSW) Maritime Craft
E4	CORE	Maintain Naval Special Warfare (NSW) Maritime Craft engineering systems
E4	CORE	Maintain Naval Special Warfare (NSW) Maritime Craft trailers
E4	CORE	Refuel Naval Special Warfare (NSW) Maritime Craft (e.g., at sea, land-based, pier-side, etc.)
E4	CORE	Respond to Naval Special Warfare (NSW) Maritime Craft casualty (e.g., fire, flooding, loss of steering, etc.)
E5	CORE	Supervise Naval Special Warfare (NSW) Maritime Craft engineering system repairs
E5	CORE	Supervise Naval Special Warfare (NSW) Maritime Craft trailer repairs
E5	CORE	Supervise refueling of Naval Special Warfare (NSW) Maritime Craft (e.g., at sea, land-based, pier-side, etc.)

INTELLIGENCE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Collect intelligence information
E4	CORE	Detect contacts (e.g., surface, subsurface, air, etc.)

INTELLIGENCE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Inventory tactical intelligence equipment
E4	CORE	Report contacts (e.g., surface, sub surface, air, etc.)
E4	CORE	Report intelligence information

LAND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct land navigations
E4	CORE	Perform basic ground skills techniques
E4	CORE	Perform Survival, Evasion, Resistance, and Escape (SERE) techniques

NAVAL SPECIAL WARFARE (NSW) CRAFT MOBILITY EVOLUTIONS

Paygrade	Task Type	Task Statements
E5	CORE	Disembark Naval Special Warfare (NSW) Maritime Crafts on Afloat Forward Staging Bases (AFSB)
E5	CORE	Embark Naval Special Warfare (NSW) Maritime Crafts on Afloat Forward Staging Bases (AFSB)
E4	CORE	Launch Naval Special Warfare (NSW) Maritime Crafts (e.g., well-deck, craning, land-based, etc.)
E4	CORE	Perform ground mobility (e.g., armed convoy, soft-skin, Over the Road (OTR), etc.)
E4	CORE	Perform in armed convoys
E5	CORE	Prepare Naval Special Warfare (NSW) Maritime Craft onload/offload for aircraft transport
E4	CORE	Recover Naval Special Warfare (NSW) Maritime Crafts (e.g., well-deck, craning, land-based, etc.)
E4	CORE	Transport personnel/equipment

NAVAL SPECIAL WARFARE (NSW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Combat enemy forces
E5	CORE	Conduct Foreign Internal Defense (FID) and Security Force Assistance (SFA)
E4	CORE	Conduct Naval Special Warfare (NSW) logistical operations in support of Military Decision Making Process (MDMP)
E4	CORE	Conduct operational briefs (e.g., navigational, medical, communications, etc.)
E5	CORE	Conduct site surveys
E4	CORE	Control detained individuals
E4	CORE	Develop operational briefs (e.g., navigational, medical, communications, etc.)
E6	CORE	Develop safety briefs (e.g., Operational Risk Management (ORM), Mission Approval Worksheet (MAW), sail plan, etc.)
E4	CORE	Employ camouflage, cover, and concealment procedures
E4	CORE	Employ combative techniques (i.e., armed/unarmed hand-to-hand)
E4	CORE	Employ personal operational equipment (e.g., First through Third Line Gear, Detachment Gear, Team Gear, etc.)

NAVAL SPECIAL WARFARE (NSW) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain personal equipment (e.g., First through Third Line Gear, Detachment Gear, Team Gear, etc.)
E4	CORE	Perform personal and craft signature management
E4	CORE	Support Naval Special Warfare (NSW) operations (e.g., Maritime Interception Operations (MIO), Direct Action (DA), insertion and extraction, etc.)
E4	CORE	Support Special Reconnaissance (SR) operations (e.g., Unmanned Systems (UxS), craft survivability, Small Craft Strike Warfare (SCSW), etc.)
E5	NON-CORE	Test and Evaluate (T&E) new technologies
E5	NON-CORE	Test technology and equipment

NAVIGATION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Calculate latitude and longitude from plotted position
E4	CORE	Calculate relative bearing
E4	CORE	Calculate set and drift
E4	CORE	Maintain safe navigation (e.g., constant bearing and decreasing range, radar, and rules of the road, etc.)
E4	CORE	Plot dead reckoning tracks
E4	CORE	Plot Naval Special Warfare (NSW) Maritime Craft position using navigation equipment
E4	CORE	Plot tracks on charts
E4	CORE	Verify currency of nautical charts

ORDNANCE/DEMOLITION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Deploy pyrotechnics/signaling devices
E4	CORE	Engage with weapons systems and ancillary gear (e.g., crew served, small arms, Precision Guided Munition (PGM), etc.)
E4	CORE	Inventory weapons and ancillary equipment (e.g., crew served, small arms, Precision Guided Munition (PGM), etc.)
E4	CORE	Maintain fields of fire
E5	CORE	Maintain ordnance records
E4	CORE	Maintain weapons and ancillary gear (e.g., crew served, small arms, Precision Guided Munition (PGM), etc.)
E4	CORE	Perform small arms operator standards qualification
E5	CORE	Supervise weapons range operations (e.g., static, dynamic, crew served, small arms, Precision Guided Munition (PGM), etc.)
E5	CORE	Transport ordnance (e.g. Continental United States (CONUS), Outside the Continental U.S. (OCONUS), etc.)

SMALL BOAT OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Anchor Naval Special Warfare (NSW) Maritime Craft
E4	CORE	Coxswain Naval Special Warfare (NSW) Maritime Craft (e.g., station-keeping, rendezvous, piloting, etc.)

SMALL BOAT OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Employ Combatant Craft Light (CCL) and ancillary equipment
E4	CORE	Employ Naval Special Warfare (NSW) Maritime Craft safety equipment
E4	CORE	Employ Survival of Life at Sea (SOLAS) Tactics, Techniques and Procedures (TTP)
E5	CORE	Maintain Combatant Craft Light (CCL) and ancillary equipment

TACTICAL COMMUNICATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Conduct communications (e.g., voice, data, brevity, etc.)
E4	CORE	Establish communications (e.g., voice, data, brevity, etc.)
E4	CORE	Inventory communications equipment
E4	CORE	Perform Emission Control (EMCON) procedures
E4	CORE	Perform preventative maintenance on communications equipment
E6	CORE	Support Close Air Support (CAS) procedures
E5	CORE	Verify Communications Electronic Operating Instructions (CEOI)

TACTICAL MEDICINE

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate Casualty Evacuation (CASEVAC)/Medical Evacuation (MEDEVAC) operations
E4	CORE	Employ first aid kits and equipment
E5	NON-CORE	Inventory medical equipment and ancillary gear
E4	CORE	Maintain first aid kits and equipment
E4	CORE	Perform Casualty Evacuation (CASEVAC)/Medical Evacuation (MEDEVAC) operations
E4	CORE	Perform Tactical Combat Casualty Care (TCCC)

Job Title **Job Code**

Special Warfare Combat Crewman Senior 001782

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	SPEC WARFARE COMBAT SWCC SENIOR	SWCC Senior

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	SB	5352

Job Description

Special Warfare Combat Crewmen Seniors are responsible for their craft, their crew, any embarked personnel, and for the safe navigation of their craft during Special Operations missions; supervise and direct the actions of their boat crews, including maintaining and operating the craft and its engineering, navigation, weapons, and tactical communications systems; plan and coordinate missions and conduct joint and combined operations; and have positional authority over all persons embarked on their craft in accordance with Navy Regulations (Article 1033).

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Special Forces	101100	Ship and Boat Captains	55-3018.00	Military Specific

Skills	Abilities
Monitoring	*Oral Expression*
Operation and Control	*Information Ordering*
Coordination	*Problem Sensitivity*
Reading Comprehension	*Inductive Reasoning*
Critical Thinking	*Spatial Orientation*
Active Listening	*Written Comprehension*
Judgment and Decision Making	*Memorization*
Equipment Maintenance	*Gross Body Coordination*
Equipment Selection	*Deductive Reasoning*
Complex Problem Solving	*Speed of Closure*

AIR INSERTION AND EXTRACTION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Pack free-fall parachutes
E4	CORE	Perform cargo and equipment insertion operations (e.g., Individual Storage Unit (ISU), Hazardous Material (HAZMAT), required operational gear, etc.)
E4	CORE	Perform cast operations
E5	NON-CORE	Perform combatant craft air deployments (i.e., Low Velocity Air Drop System (LVADS))
E4	CORE	Perform fast-rope operations
E4	CORE	Perform free-fall parachute operations
E4	CORE	Perform helo-hoist recovery
E4	NON-CORE	Perform Maritime External Air Transportation System (MEATS) / External Air Transportation System (EATS) Tactics, Techniques, and Procedures (TTP)
E4	CORE	Perform rappelling operations
E4	NON-CORE	Perform Special Purpose Insertion Extraction (SPIE) operations
E4	CORE	Perform static-line parachute operations
E6	CORE	Supervise cargo and equipment insertion operations (e.g., Individual Storage Unit (ISU), Hazardous Material (HAZMAT), required operational gear, etc.)
E5	NON-CORE	Supervise cast operations

AIR INSERTION AND EXTRACTION OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Supervise combatant craft for air deployments (i.e., Low Velocity Air Drop System (LVADS))
E5	NON-CORE	Supervise fast-rope operations
E5	NON-CORE	Supervise free-fall parachute operations
E5	NON-CORE	Supervise land and water drop-zone operations
E5	NON-CORE	Supervise Maritime External Air Transportation System (MEATS)/External Air Transportation System (EATS) operations
E5	NON-CORE	Supervise rappelling operations
E5	NON-CORE	Supervise Special Purpose Insertion Extraction (SPIE) operations
E5	NON-CORE	Supervise static-line parachuting operations

CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR (CBRN) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Administer initial treatment for Chemical, Biological, Radiological, and Nuclear (CBRN) injuries
E4	CORE	Decontaminate Chemical, Biological, Radiological, and Nuclear (CBRN) affected personnel and equipment
E4	CORE	Deliver protective measures for Chemical, Biological, Radiological, and Nuclear (CBRN) response
E6	CORE	Manage Chemical, Biological, Radiological, and Nuclear (CBRN) casualties
E7	CORE	Supervise Chemical, Biological, Radiological, and Nuclear (CBRN) operations

CLASSIFIED MATERIAL CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Control restricted area access
E4	CORE	Destroy classified materials
E4	CORE	Inventory classified materials
E4	CORE	Perform auditing of Communications Security (COMSEC) materials
E4	CORE	Perform electronic transfer of electronic keying materials (i.e., Over the Air Transfers (OTAT) and Over the Air Rekeys (OTAR))
E4	CORE	Perform physical transfer of electronic keying materials
E4	CORE	Store classified materials
E7	CORE	Supervise auditing of Communications Security (COMSEC) materials
E4	CORE	Transfer custody of classified materials

ENGINEERING EVOLUTIONS

Paygrade	Task Type	Task Statements
E7	CORE	Direct Naval Special Warfare (NSW) Maritime Craft casualty responses (e.g., fire, flooding, loss of steering, etc.)
E4	CORE	Inventory Naval Special Warfare (NSW) Maritime Craft and ancillary equipment
E4	CORE	Maintain Naval Special Warfare (NSW) Maritime Craft
E4	CORE	Maintain Naval Special Warfare (NSW) Maritime Craft engineering systems
E4	CORE	Maintain Naval Special Warfare (NSW) Maritime Craft trailers

ENGINEERING EVOLUTIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Refuel Naval Special Warfare (NSW) Maritime Craft (e.g., at sea, land-based, pier-side, etc.)
E4	CORE	Respond to Naval Special Warfare (NSW) Maritime Craft casualty (e.g., fire, flooding, loss of steering, etc.)
E6	CORE	Supervise Naval Special Warfare (NSW) Maritime Craft casualty responses (e.g., fire, flooding, loss of steering, etc.)
E5	CORE	Supervise Naval Special Warfare (NSW) Maritime Craft engineering system repairs
E5	CORE	Supervise Naval Special Warfare (NSW) Maritime Craft trailer repairs
E5	CORE	Supervise refueling of Naval Special Warfare (NSW) Maritime Craft (e.g., at sea, land-based, pier-side, etc.)
E7	CORE	Validate engineering reports
E6	CORE	Verify engineering reports

INTELLIGENCE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Collect intelligence information
E4	CORE	Detect contacts (e.g., surface, subsurface, air, etc.)
E4	CORE	Inventory tactical intelligence equipment
E4	CORE	Report contacts (e.g., surface, sub surface, air, etc.)
E4	CORE	Report intelligence information
E7	CORE	Supervise collection of intelligence information
E7	NON-CORE	Validate intelligence debriefs
E7	CORE	Verify tactical, operational, and strategic intelligence (e.g., Priority Intelligence Requirements (PIR), Named Area of Interest (NAI), Lines of Effort (LOE) etc.)
E7	CORE	Verify theatre Order of Battle (OOB)
E7	CORE	Verify theatre requirements (e.g., Foreign Clearance Guide (FCG), After Action Reports (AAR), Situational Report (SITREP) etc.)

LAND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct land navigations
E7	CORE	Direct basic ground skills techniques
E4	CORE	Perform basic ground skills techniques
E4	CORE	Perform Survival, Evasion, Resistance, and Escape (SERE) techniques
E6	CORE	Supervise basic ground skills techniques
E6	CORE	Supervise land navigations

NAVAL SPECIAL WARFARE (NSW) CRAFT MOBILITY EVOLUTIONS

Paygrade	Task Type	Task Statements
E7	CORE	Direct ground mobility (e.g., armed convoy, soft-skin, Over the Road (OTR), etc.)
E7	CORE	Direct movement of Naval Special Warfare (NSW) Maritime Crafts (e.g., crane, well-deck, Roll-On/Roll-Off (RORO), etc.)
E5	CORE	Disembark Naval Special Warfare (NSW) Maritime Crafts on Afloat Forward Staging Bases (AFSB)

NAVAL SPECIAL WARFARE (NSW) CRAFT MOBILITY EVOLUTIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Embark Naval Special Warfare (NSW) Maritime Crafts on Afloat Forward Staging Bases (AFSB)
E4	CORE	Launch Naval Special Warfare (NSW) Maritime Crafts (e.g., well-deck, craning, land-based, etc.)
E4	CORE	Perform ground mobility (e.g., armed convoy, soft-skin, Over the Road (OTR), etc.)
E4	CORE	Perform in armed convoys
E5	CORE	Prepare Naval Special Warfare (NSW) Maritime Craft onload/offload for aircraft transport
E4	CORE	Recover Naval Special Warfare (NSW) Maritime Crafts (e.g., well-deck, craning, land-based, etc.)
E6	CORE	Supervise movement of Naval Special Warfare (NSW) Maritime Crafts (e.g., crane, well-deck, Roll-On/Roll-Off (RORO), etc.)
E6	CORE	Supervise Naval Special Warfare (NSW) Maritime Craft onload/offload for aircraft transport
E6	CORE	Supervise personnel/equipment transport
E4	CORE	Transport personnel/equipment

NAVAL SPECIAL WARFARE (NSW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Combat enemy forces
E5	CORE	Conduct Foreign Internal Defense (FID) and Security Force Assistance (SFA)
E4	CORE	Conduct Naval Special Warfare (NSW) logistical operations in support of Military Decision Making Process (MDMP)
E4	CORE	Conduct operational briefs (e.g., navigational, medical, communications, etc.)
E5	CORE	Conduct site surveys
E4	CORE	Control detained individuals
E7	CORE	Coordinate personnel recovery
E7	CORE	Develop Naval Special Warfare (NSW) Tactics, Techniques, and Procedures (TTP)
E4	CORE	Develop operational briefs (e.g., navigational, medical, communications, etc.)
E6	CORE	Develop safety briefs (e.g., Operational Risk Management (ORM), Mission Approval Worksheet (MAW), sail plan, etc.)
E7	CORE	Direct operational briefs (e.g., navigational, medical, communications, etc.)
E7	CORE	Direct personal and craft signature management
E4	CORE	Employ camouflage, cover, and concealment procedures
E4	CORE	Employ combative techniques (i.e., armed/unarmed hand-to-hand)
E4	CORE	Employ personal operational equipment (e.g., First through Third Line Gear, Detachment Gear, Team Gear, etc.)
E7	CORE	Evaluate Naval Special Warfare (NSW) mission readiness
E6	CORE	Instruct Naval Special Warfare (NSW) operations (e.g., air operations, navigation operations, weapons operations, etc.)
E4	CORE	Maintain personal equipment (e.g., First through Third Line Gear, Detachment Gear, Team Gear, etc.)

NAVAL SPECIAL WARFARE (NSW) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage camouflage, cover, and concealment procedures
E4	CORE	Perform personal and craft signature management
E6	CORE	Plan Naval Special Warfare (NSW) operations and Special Reconnaissance (SR)
E6	CORE	Prepare operational reports (e.g., Casualty Reports (CASREP), Situational Report (SITREP), After Action Report (AAR), etc.)
E6	CORE	Supervise camouflage, cover, and concealment procedures
E6	CORE	Supervise engagement of enemy forces
E6	CORE	Supervise Naval Special Warfare (NSW) logistical operations in support of Military Decision Making Process (MDMP)
E6	CORE	Supervise Naval Special Warfare (NSW) operations (e.g., Maritime Interception Operations (MIO), Direct Action (DA), insertion and extraction, etc.)
E6	CORE	Supervise personal and craft signature management
E6	CORE	Supervise Special Reconnaissance (SR) operations (e.g., Unmanned Systems (UxS), craft survivability, Small Craft Strike Warfare (SCSW), etc.)
E4	CORE	Support Naval Special Warfare (NSW) operations (e.g., Maritime Interception Operations (MIO), Direct Action (DA), insertion and extraction, etc.)
E4	CORE	Support Special Reconnaissance (SR) operations (e.g., Unmanned Systems (UxS), craft survivability, Small Craft Strike Warfare (SCSW), etc.)
E5	NON-CORE	Test and Evaluate (T&E) new technologies
E5	NON-CORE	Test technology and equipment
E7	CORE	Track Naval Special Warfare (NSW) forces movements
E7	CORE	Update Naval Special Warfare (NSW) Tactics, Techniques, and Procedures (TTP)
E7	CORE	Verify detachment and troop inventories
E7	CORE	Verify Rules of Engagement (ROE)/Laws of Armed Conflict (LOAC)
E7	CORE	Verify safety briefs (e.g., Operational Risk Management (ORM), Mission Approval Worksheet (MAW), sail plan, etc.)

NAVIGATION OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Authenticate the Navigational Checklist
E4	CORE	Calculate latitude and longitude from plotted position
E4	CORE	Calculate relative bearing
E4	CORE	Calculate set and drift
E4	CORE	Maintain safe navigation (e.g., constant bearing and decreasing range, radar, and rules of the road, etc.)
E4	CORE	Plot dead reckoning tracks
E4	CORE	Plot Naval Special Warfare (NSW) Maritime Craft position using navigation equipment
E4	CORE	Plot tracks on charts
E4	CORE	Verify currency of nautical charts
E6	CORE	Verify the Navigational Checklist

ORDNANCE/DEMOLITION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Deploy pyrotechnics/signaling devices
E5	CORE	Designate fields of fire
E7	CORE	Direct weapons employment
E4	CORE	Engage with weapons systems and ancillary gear (e.g., crew served, small arms, Precision Guided Munition (PGM), etc.)
E4	CORE	Inventory weapons and ancillary equipment (e.g., crew served, small arms, Precision Guided Munition (PGM), etc.)
E4	CORE	Maintain fields of fire
E5	CORE	Maintain ordnance records
E4	CORE	Maintain weapons and ancillary gear (e.g., crew served, small arms, Precision Guided Munition (PGM), etc.)
E4	CORE	Perform small arms operator standards qualification
E7	CORE	Requisition ordnance
E7	CORE	Supervise acquisition, transport, storage and expenditure of ordnance
E5	CORE	Supervise small arms operator standards qualification
E6	CORE	Supervise weapons employment
E5	CORE	Supervise weapons range operations (e.g., static, dynamic, crew served, small arms, Precision Guided Munition (PGM), etc.)
E7	CORE	Transfer custody of weapons and ancillary gear (e.g., crew served, small arms, Precision Guided Munition (PGM), etc.)
E5	CORE	Transport ordnance (e.g. Continental United States (CONUS), Outside the Continental U.S. (OCONUS), etc.)

SMALL BOAT OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Anchor Naval Special Warfare (NSW) Maritime Craft
E4	CORE	Coxswain Naval Special Warfare (NSW) Maritime Craft (e.g., station-keeping, rendezvous, piloting, etc.)
E6	CORE	Direct boat crew
E7	CORE	Direct Naval Special Warfare (NSW) Maritime Craft detachment
E7	CORE	Direct Survival of Life at Sea (SOLAS) Tactics, Techniques and Procedures (TTP)
E5	CORE	Employ Combatant Craft Light (CCL) and ancillary equipment
E4	CORE	Employ Naval Special Warfare (NSW) Maritime Craft safety equipment
E4	CORE	Employ Survival of Life at Sea (SOLAS) Tactics, Techniques and Procedures (TTP)
E5	CORE	Maintain Combatant Craft Light (CCL) and ancillary equipment

TACTICAL COMMUNICATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Conduct communications (e.g., voice, data, brevity, etc.)
E7	CORE	Direct communications (e.g., voice, data, brevity, etc.)
E7	CORE	Direct Emission Control (EMCON) procedures
E4	CORE	Establish communications (e.g., voice, data, brevity, etc.)

TACTICAL COMMUNICATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Inventory communications equipment
E4	CORE	Perform Emission Control (EMCON) procedures
E4	CORE	Perform preventative maintenance on communications equipment
E6	CORE	Support Close Air Support (CAS) procedures
E7	CORE	Support Joint Fires (e.g., Close Air Support (CAS), Naval Surface Fires (NSF), In-Direct Fires (IDF), etc.)
E5	CORE	Verify Communications Electronic Operating Instructions (CEOI)

TACTICAL MEDICINE

Paygrade	Task Type	Task Statements
E7	CORE	Communicate Casualty Evacuation (CASEVAC)/Medical Evacuation (MEDEVAC) to higher headquarters
E6	CORE	Coordinate Casualty Evacuation (CASEVAC)/Medical Evacuation (MEDEVAC) operations
E4	CORE	Employ first aid kits and equipment
E5	NON-CORE	Inventory medical equipment and ancillary gear
E4	CORE	Maintain first aid kits and equipment
E4	CORE	Perform Casualty Evacuation (CASEVAC)/Medical Evacuation (MEDEVAC) operations
E4	CORE	Perform Tactical Combat Casualty Care (TCCC)
E7	CORE	Supervise Casualty Evacuation (CASEVAC)/Medical Evacuation (MEDEVAC) operations

Job Title **Job Code**

Special Warfare Combat Crewman Master 001787

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	SPEC WARFARE COMBAT SWCC MASTER	SWCC Master

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	SB	5352

Job Description

Special Warfare Combat Crewmen Masters are responsible for all detachment/troop craft, crewmen, and embarked personnel as well as for the safe navigation of the detachment during Special Operations missions; are accountable for all detachment weapons, ammunition, and cryptographic material; plan and coordinate missions and conduct joint and combined operations; brief detachment/troop and embarked personnel prior to getting underway and direct tactical patrols; have positional authority over all persons embarked on the detachment craft in accordance with Navy Regulations (Article 1033); and possess weapons release authority.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Special Forces	101100	Special Forces	55-3018.00	Military Specific

Skills	Abilities
Monitoring	*Oral Expression*
Operation and Control	*Information Ordering*
Coordination	*Problem Sensitivity*
Critical Thinking	*Inductive Reasoning*
Reading Comprehension	*Spatial Orientation*
Active Listening	*Written Comprehension*
Judgment and Decision Making	*Memorization*
Equipment Maintenance	*Deductive Reasoning*
Complex Problem Solving	*Gross Body Coordination*
Equipment Selection	*Speed of Closure*

AIR INSERTION AND EXTRACTION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Pack free-fall parachutes
E4	CORE	Perform cargo and equipment insertion operations (e.g., Individual Storage Unit (ISU), Hazardous Material (HAZMAT), required operational gear, etc.)
E4	CORE	Perform cast operations
E5	NON-CORE	Perform combatant craft air deployments (i.e., Low Velocity Air Drop System (LVADS))
E4	CORE	Perform fast-rope operations
E4	CORE	Perform free-fall parachute operations
E4	CORE	Perform helo-hoist recovery
E4	NON-CORE	Perform Maritime External Air Transportation System (MEATS) / External Air Transportation System (EATS) Tactics, Techniques, and Procedures (TTP)
E4	CORE	Perform rappelling operations
E4	NON-CORE	Perform Special Purpose Insertion Extraction (SPIE) operations
E4	CORE	Perform static-line parachute operations
E6	CORE	Supervise cargo and equipment insertion operations (e.g., Individual Storage Unit (ISU), Hazardous Material (HAZMAT), required operational gear, etc.)
E5	NON-CORE	Supervise cast operations
E6	NON-CORE	Supervise combatant craft for air deployments (i.e., Low Velocity Air Drop System (LVADS))

AIR INSERTION AND EXTRACTION OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Supervise fast-rope operations
E5	NON-CORE	Supervise free-fall parachute operations
E5	NON-CORE	Supervise land and water drop-zone operations
E5	NON-CORE	Supervise Maritime External Air Transportation System (MEATS)/External Air Transportation System (EATS) operations
E5	NON-CORE	Supervise rappelling operations
E5	NON-CORE	Supervise Special Purpose Insertion Extraction (SPIE) operations
E5	NON-CORE	Supervise static-line parachuting operations

CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR (CBRN) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Administer initial treatment for Chemical, Biological, Radiological, and Nuclear (CBRN) injuries
E4	CORE	Decontaminate Chemical, Biological, Radiological, and Nuclear (CBRN) affected personnel and equipment
E4	CORE	Deliver protective measures for Chemical, Biological, Radiological, and Nuclear (CBRN) response
E6	CORE	Manage Chemical, Biological, Radiological, and Nuclear (CBRN) casualties
E7	CORE	Supervise Chemical, Biological, Radiological, and Nuclear (CBRN) operations

CLASSIFIED MATERIAL CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Control restricted area access
E4	CORE	Destroy classified materials
E4	CORE	Inventory classified materials
E4	CORE	Perform auditing of Communications Security (COMSEC) materials
E4	CORE	Perform electronic transfer of electronic keying materials (i.e., Over the Air Transfers (OTAT) and Over the Air Rekeys (OTAR))
E4	CORE	Perform physical transfer of electronic keying materials
E4	CORE	Store classified materials
E7	CORE	Supervise auditing of Communications Security (COMSEC) materials
E4	CORE	Transfer custody of classified materials

ENGINEERING EVOLUTIONS

Paygrade	Task Type	Task Statements
E7	CORE	Direct Naval Special Warfare (NSW) Maritime Craft casualty responses (e.g., fire, flooding, loss of steering, etc.)
E4	CORE	Inventory Naval Special Warfare (NSW) Maritime Craft and ancillary equipment
E4	CORE	Maintain Naval Special Warfare (NSW) Maritime Craft
E4	CORE	Maintain Naval Special Warfare (NSW) Maritime Craft engineering systems
E4	CORE	Maintain Naval Special Warfare (NSW) Maritime Craft trailers

ENGINEERING EVOLUTIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Refuel Naval Special Warfare (NSW) Maritime Craft (e.g., at sea, land-based, pier-side, etc.)
E4	CORE	Respond to Naval Special Warfare (NSW) Maritime Craft casualty (e.g., fire, flooding, loss of steering, etc.)
E6	CORE	Supervise Naval Special Warfare (NSW) Maritime Craft casualty responses (e.g., fire, flooding, loss of steering, etc.)
E5	CORE	Supervise Naval Special Warfare (NSW) Maritime Craft engineering system repairs
E5	CORE	Supervise Naval Special Warfare (NSW) Maritime Craft trailer repairs
E5	CORE	Supervise refueling of Naval Special Warfare (NSW) Maritime Craft (e.g., at sea, land-based, pier-side, etc.)
E7	CORE	Validate engineering reports
E6	CORE	Verify engineering reports

INTELLIGENCE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Collect intelligence information
E4	CORE	Detect contacts (e.g., surface, subsurface, air, etc.)
E4	CORE	Inventory tactical intelligence equipment
E4	CORE	Report contacts (e.g., surface, sub surface, air, etc.)
E4	CORE	Report intelligence information
E7	CORE	Supervise collection of intelligence information
E7	NON-CORE	Validate intelligence debriefs
E7	CORE	Verify tactical, operational, and strategic intelligence (e.g., Priority Intelligence Requirements (PIR), Named Area of Interest (NAI), Lines of Effort (LOE) etc.)
E7	CORE	Verify theatre Order of Battle (OOB)
E7	CORE	Verify theatre requirements (e.g., Foreign Clearance Guide (FCG), After Action Reports (AAR), Situational Report (SITREP) etc.)

LAND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct land navigations
E7	CORE	Direct basic ground skills techniques
E4	CORE	Perform basic ground skills techniques
E4	CORE	Perform Survival, Evasion, Resistance, and Escape (SERE) techniques
E6	CORE	Supervise basic ground skills techniques
E6	CORE	Supervise land navigations

NAVAL SPECIAL WARFARE (NSW) CRAFT MOBILITY EVOLUTIONS

Paygrade	Task Type	Task Statements
E7	CORE	Direct ground mobility (e.g., armed convoy, soft-skin, Over the Road (OTR), etc.)
E7	CORE	Direct movement of Naval Special Warfare (NSW) Maritime Crafts (e.g., crane, well-deck, Roll-On/Roll-Off (RORO), etc.)
E5	CORE	Disembark Naval Special Warfare (NSW) Maritime Crafts on Afloat Forward Staging Bases (AFSB)

NAVAL SPECIAL WARFARE (NSW) CRAFT MOBILITY EVOLUTIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Embark Naval Special Warfare (NSW) Maritime Crafts on Afloat Forward Staging Bases (AFSB)
E4	CORE	Launch Naval Special Warfare (NSW) Maritime Crafts (e.g., well-deck, craning, land-based, etc.)
E4	CORE	Perform ground mobility (e.g., armed convoy, soft-skin, Over the Road (OTR), etc.)
E4	CORE	Perform in armed convoys
E5	CORE	Prepare Naval Special Warfare (NSW) Maritime Craft onload/offload for aircraft transport
E4	CORE	Recover Naval Special Warfare (NSW) Maritime Crafts (e.g., well-deck, craning, land-based, etc.)
E6	CORE	Supervise movement of Naval Special Warfare (NSW) Maritime Crafts (e.g., crane, well-deck, Roll-On/Roll-Off (RORO), etc.)
E6	CORE	Supervise Naval Special Warfare (NSW) Maritime Craft onload/offload for aircraft transport
E6	CORE	Supervise personnel/equipment transport
E4	CORE	Transport personnel/equipment

NAVAL SPECIAL WARFARE (NSW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Combat enemy forces
E5	CORE	Conduct Foreign Internal Defense (FID) and Security Force Assistance (SFA)
E4	CORE	Conduct Naval Special Warfare (NSW) logistical operations in support of Military Decision Making Process (MDMP)
E4	CORE	Conduct operational briefs (e.g., navigational, medical, communications, etc.)
E5	CORE	Conduct site surveys
E4	CORE	Control detained individuals
E7	CORE	Coordinate personnel recovery
E7	CORE	Develop Naval Special Warfare (NSW) Tactics, Techniques, and Procedures (TTP)
E4	CORE	Develop operational briefs (e.g., navigational, medical, communications, etc.)
E6	CORE	Develop safety briefs (e.g., Operational Risk Management (ORM), Mission Approval Worksheet (MAW), sail plan, etc.)
E7	CORE	Direct engagement of enemy forces
E7	CORE	Direct Naval Special Warfare (NSW) logistical operations in support of Military Decision Making Process (MDMP)
E7	CORE	Direct operational briefs (e.g., navigational, medical, communications, etc.)
E7	CORE	Direct personal and craft signature management
E4	CORE	Employ camouflage, cover, and concealment procedures
E4	CORE	Employ combative techniques (i.e., armed/unarmed hand-to-hand)
E4	CORE	Employ personal operational equipment (e.g., First through Third Line Gear, Detachment Gear, Team Gear, etc.)
E7	CORE	Evaluate Naval Special Warfare (NSW) mission readiness
E6	CORE	Instruct Naval Special Warfare (NSW) operations (e.g., air operations, navigation operations, weapons operations, etc.)

NAVAL SPECIAL WARFARE (NSW) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain personal equipment (e.g., First through Third Line Gear, Detachment Gear, Team Gear, etc.)
E7	CORE	Manage camouflage, cover, and concealment procedures
E7	CORE	Manage Naval Special Warfare (NSW) operations (e.g., Maritime Interception Operations (MIO), Direct Action (DA), insertion and extraction, etc.)
E7	CORE	Manage Special Reconnaissance (SR) operations (e.g., Unmanned Systems (UxS), craft survivability, Small Craft Strike Warfare (SCSW), etc.)
E4	CORE	Perform personal and craft signature management
E6	CORE	Plan Naval Special Warfare (NSW) operations and Special Reconnaissance (SR)
E6	CORE	Prepare operational reports (e.g., Casualty Reports (CASREP), Situational Report (SITREP), After Action Report (AAR), etc.)
E6	CORE	Supervise camouflage, cover, and concealment procedures
E6	CORE	Supervise engagement of enemy forces
E6	CORE	Supervise Naval Special Warfare (NSW) logistical operations in support of Military Decision Making Process (MDMP)
E6	CORE	Supervise Naval Special Warfare (NSW) operations (e.g., Maritime Interception Operations (MIO), Direct Action (DA), insertion and extraction, etc.)
E6	CORE	Supervise personal and craft signature management
E6	CORE	Supervise Special Reconnaissance (SR) operations (e.g., Unmanned Systems (UxS), craft survivability, Small Craft Strike Warfare (SCSW), etc.)
E4	CORE	Support Naval Special Warfare (NSW) operations (e.g., Maritime Interception Operations (MIO), Direct Action (DA), insertion and extraction, etc.)
E4	CORE	Support Special Reconnaissance (SR) operations (e.g., Unmanned Systems (UxS), craft survivability, Small Craft Strike Warfare (SCSW), etc.)
E5	NON-CORE	Test and Evaluate (T&E) new technologies
E5	NON-CORE	Test technology and equipment
E7	CORE	Track Naval Special Warfare (NSW) forces movements
E7	CORE	Update Naval Special Warfare (NSW) Tactics, Techniques, and Procedures (TTP)
E7	CORE	Verify detachment and troop inventories
E7	CORE	Verify Rules of Engagement (ROE)/Laws of Armed Conflict (LOAC)
E7	CORE	Verify safety briefs (e.g., Operational Risk Management (ORM), Mission Approval Worksheet (MAW), sail plan, etc.)

NAVIGATION OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Authenticate the Navigational Checklist
E4	CORE	Calculate latitude and longitude from plotted position
E4	CORE	Calculate relative bearing
E4	CORE	Calculate set and drift
E4	CORE	Maintain safe navigation (e.g., constant bearing and decreasing range, radar, and rules of the road, etc.)
E4	CORE	Plot dead reckoning tracks
E4	CORE	Plot Naval Special Warfare (NSW) Maritime Craft position using navigation Equipment

NAVIGATION OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Plot tracks on charts
E4	CORE	Verify currency of nautical charts
E6	CORE	Verify the Navigational Checklist

ORDNANCE/DEMOLITION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Deploy pyrotechnics/signaling devices
E5	CORE	Designate fields of fire
E7	CORE	Direct weapons employment
E4	CORE	Engage with weapons systems and ancillary gear (e.g., crew served, small arms, Precision Guided Munition (PGM), etc.)
E4	CORE	Inventory weapons and ancillary equipment (e.g., crew served, small arms, Precision Guided Munition (PGM), etc.)
E4	CORE	Maintain fields of fire
E5	CORE	Maintain ordnance records
E4	CORE	Maintain weapons and ancillary gear (e.g., crew served, small arms, Precision Guided Munition (PGM), etc.)
E4	CORE	Perform small arms operator standards qualification
E7	CORE	Requisition ordnance
E7	CORE	Supervise acquisition, transport, storage and expenditure of ordnance
E5	CORE	Supervise small arms operator standards qualification
E6	CORE	Supervise weapons employment
E5	CORE	Supervise weapons range operations (e.g., static, dynamic, crew served, small arms, Precision Guided Munition (PGM), etc.)
E7	CORE	Transfer custody of weapons and ancillary gear (e.g., crew served, small arms, Precision Guided Munition (PGM), etc.)
E5	CORE	Transport ordnance (e.g. Continental United States (CONUS), Outside the Continental U.S. (OCONUS), etc.)

SMALL BOAT OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Anchor Naval Special Warfare (NSW) Maritime Craft
E4	CORE	Coxswain Naval Special Warfare (NSW) Maritime Craft (e.g., station-keeping, rendezvous, piloting, etc.)
E6	CORE	Direct boat crew
E7	CORE	Direct Naval Special Warfare (NSW) Maritime Craft detachment
E7	CORE	Direct Survival of Life at Sea (SOLAS) Tactics, Techniques and Procedures (TTP)
E5	CORE	Employ Combatant Craft Light (CCL) and ancillary equipment
E4	CORE	Employ Naval Special Warfare (NSW) Maritime Craft safety equipment
E4	CORE	Employ Survival of Life at Sea (SOLAS) Tactics, Techniques and Procedures (TTP)
E5	CORE	Maintain Combatant Craft Light (CCL) and ancillary equipment

TACTICAL COMMUNICATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Conduct communications (e.g., voice, data, brevity, etc.)
E7	CORE	Direct communications (e.g., voice, data, brevity, etc.)
E7	CORE	Direct Emission Control (EMCON) procedures
E4	CORE	Establish communications (e.g., voice, data, brevity, etc.)
E4	CORE	Inventory communications equipment
E4	CORE	Perform Emission Control (EMCON) procedures
E4	CORE	Perform preventative maintenance on communications equipment
E6	CORE	Support Close Air Support (CAS) procedures
E7	CORE	Support Joint Fires (e.g., Close Air Support (CAS), Naval Surface Fires (NSF), In-Direct Fires (IDF), etc.)
E5	CORE	Verify Communications Electronic Operating Instructions (CEOI)

TACTICAL MEDICINE

Paygrade	Task Type	Task Statements
E7	CORE	Communicate Casualty Evacuation (CASEVAC)/Medical Evacuation (MEDEVAC) to higher headquarters
E6	CORE	Coordinate Casualty Evacuation (CASEVAC)/Medical Evacuation (MEDEVAC) operations
E4	CORE	Employ first aid kits and equipment
E5	NON-CORE	Inventory medical equipment and ancillary gear
E4	CORE	Maintain first aid kits and equipment
E4	CORE	Perform Casualty Evacuation (CASEVAC)/Medical Evacuation (MEDEVAC) operations
E4	CORE	Perform Tactical Combat Casualty Care (TCCC)
E7	CORE	Supervise Casualty Evacuation (CASEVAC)/Medical Evacuation (MEDEVAC) operations

CHAPTER 16

BUILDER
(BU)

NAVPERS 18068F-16H
Change 100

Updated: October 2024

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

BUILDER (BU)

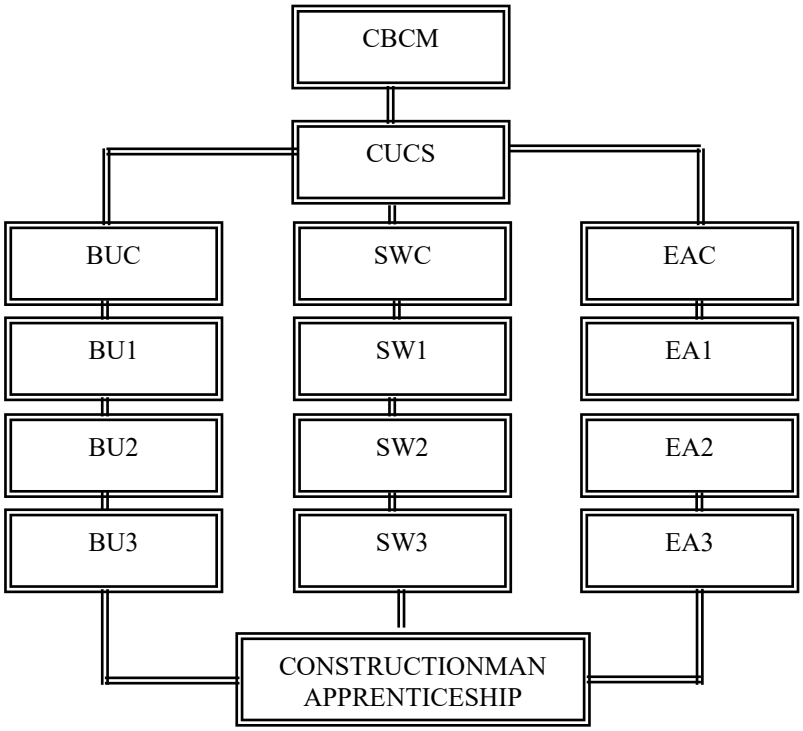
SCOPE OF RATING

Builders (BU) build and repair wood, metal, concrete and masonry structures; perform rough and finished carpentry; install interior and exterior finishes, perform paint and preservation; build and place forms; mix, place, and finish concrete; operate and maintain carpentry shops; build and repair airfields and waterfront structures; demolish existing structures; erect pre-engineered structures; plan and estimate material and labor in order to execute and manage construction projects; individual combat readiness; and perform tasks required in combat and Humanitarian Assistance Disaster Recovery (HADR) operations.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 16.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

*Career path updated to reflect rating name change to Seabee Master Chief (CBCM) – NAVADMIN 054/21 refers

Job Title
Builder

Job Code
002594

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Construction and Extraction	TBD	BUILDER	BUILDER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	BU	NEC BXXX series and other NECs as assigned

Job Description
Builders (BU) build and repair wood, metal, concrete and masonry structures; perform rough and finished carpentry; install interior and exterior finishes; perform paint and preservation; build and place forms; mix, place, and finish concrete; operate and maintain carpentry shops; build and repair airfields and waterfront structures; demolish existing structures; erect pre-engineered structures; estimate material and labor in order to execute construction projects; prepare progress reports and time records; act as project managers while planning, staffing, directing, and controlling multiple construction projects to include problem solving, planning, estimating, scheduling, controlling cost, evaluating quality, and managing personnel; ensure compliance with drawings, drawing specifications, code requirements, and contracts; act as project supervisors and trainers for junior personnel; maintain combat readiness; and perform tasks required in combat and Humanitarian Assistance Disaster Recovery (HADR) operations.

DoD Relationship

Group Title	*DoD Code*
Construction, General	171000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Carpenters	47-2031.00	Construction and Extraction

Skills	Abilities
Critical Thinking	*Information Ordering*
Quality Control Analysis	*Deductive Reasoning*
Management of Personnel Resources	*Oral Expression*
Equipment Selection	*Problem Sensitivity*
Coordination	*Inductive Reasoning*
Management of Material Resources	*Manual Dexterity*
Operations Analysis	*Time Sharing*
Complex Problem Solving	*Spatial Orientation*
Reading Comprehension	*Selective Attention*
Installation	*Written Comprehension*

CARPENTRY

Paygrade	Task Type	Task Statements
E4	NON-CORE	Demolish carpentry
E5	NON-CORE	Develop carpentry demolition plans
E4	CORE	Develop carpentry shop drawings
E5	CORE	Fabricate finish carpentry
E4	CORE	Fabricate metal framing structures
E4	CORE	Fabricate rough carpentry
E4	CORE	Install finish carpentry
E4	CORE	Install metal framing structures
E5	CORE	Manage carpentry shop operations
E5	CORE	Supervise carpentry construction operations
E5	CORE	Supervise carpentry shop operations

CONCRETE CONSTRUCTION

Paygrade	Task Type	Task Statements
E4	CORE	Construct concrete forms
E5	CORE	Construct overhead and column forms
E4	NON-CORE	Demolish concrete construction

CONCRETE CONSTRUCTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Develop concrete construction shop drawings
E5	NON-CORE	Develop concrete demolition plans
E4	CORE	Establish building lines and elevations
E4	CORE	Fabricate Reinforcing Steel (RST)
E4	CORE	Finish concrete
E4	CORE	Install concrete forms
E4	CORE	Install embedment in form work
E5	CORE	Install pre-cast concrete structures (e.g., columns, retaining walls, grade beams, etc.)
E4	CORE	Install Reinforcing Steel (RST)
E6	CORE	Manage concrete operations
E4	CORE	Mix concrete
E4	CORE	Place concrete
E5	CORE	Supervise concrete mixing operations
E5	CORE	Supervise concrete placement and finishing
E5	CORE	Supervise overhead and column form construction
E6	NON-CORE	Supervise pre-cast concrete structure assembly operations

CONSTRUCTION MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Conduct construction project turnovers
E6	NON-CORE	Conduct Three-Phase Quality Control inspections
E6	NON-CORE	Determine construction project contracts are executed in accordance with requirements
E4	CORE	Develop construction activity summary sheets
E4	CORE	Develop construction estimates
E5	CORE	Develop construction project packages
E4	CORE	Develop construction project shop drawings
E4	CORE	Develop construction safety plans
E4	CORE	Develop environmental protection plans
E5	CORE	Develop master activities listing
E5	CORE	Develop project Three-Phase Quality Control plans
E5	CORE	Establish construction site layouts
E4	NON-CORE	Input project data into construction management software and tools
E4	CORE	Inspect construction materials
E4	CORE	Interpret construction project drawings and specifications
E4	CORE	Inventory project tools and materials
E4	CORE	Lead construction project crews
E7	CORE	Manage construction project logistics and resources (i.e., tools, manpower, material, etc.)
E7	CORE	Manage construction projects
E7	NON-CORE	Manage construction safety plans

CONSTRUCTION MANAGEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage job site construction operations (e.g., Quality Control (QC) and safety plan implementation, job site information board, level III chart, etc.)
E7	NON-CORE	Manage project Quality Control (QC) plans
E7	NON-CORE	Manage Three-Phase Quality Control process (i.e., operations level)
E6	CORE	Supervise construction project crews
E5	NON-CORE	Supervise construction project safety operations
E5	NON-CORE	Supervise demolition operations
E5	NON-CORE	Supervise environmental protection plans
E5	NON-CORE	Supervise erection of scaffolding to support construction activities
E5	CORE	Supervise planning and estimating operations
E6	CORE	Supervise project Three-Phase Quality Control process
E6	CORE	Validate construction project packages
E6	CORE	Validate project surveys and elevation data

EXTERIOR FINISHES AND MOISTURE PROTECTION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Demolish exterior finishes and moisture protection
E4	NON-CORE	Develop exterior finishes and moisture protection demolition plans
E4	CORE	Install building insulation materials
E4	CORE	Install exterior doors and hardware
E4	CORE	Install exterior wall finishes
E4	CORE	Install flashing
E4	CORE	Install roof specialties and accessories (e.g., ridge vents, penetrations, sky lights, etc.)
E4	CORE	Install roofing systems (i.e., metal roofing, rolled seamed roofing, architectural/asphalt shingles)
E4	CORE	Install windows and hardware
E5	CORE	Supervise roofing system installations

FINISHES

Paygrade	Task Type	Task Statements
E4	NON-CORE	Demolish finishes
E4	NON-CORE	Develop finishes demolition plans
E4	CORE	Develop interior finish shop drawings
E4	CORE	Finish drywall
E4	CORE	Install acoustical treatments
E4	CORE	Install building fixtures and hardware accessories
E4	CORE	Install drywall
E4	CORE	Install flooring materials
E4	CORE	Install interior doors and hardware
E4	CORE	Install interior wall finishes
E5	CORE	Supervise finish material installations

HEAVY CONSTRUCTION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Construct heavy timber structures
E4	NON-CORE	Demolish heavy construction
E5	NON-CORE	Develop heavy construction demolition plans
E7	NON-CORE	Manage heavy construction operations
E6	NON-CORE	Supervise heavy construction projects

MASONRY CONSTRUCTION

Paygrade	Task Type	Task Statements
E4	CORE	Construct masonry structures
E4	NON-CORE	Demolish masonry construction
E4	NON-CORE	Develop masonry construction demolition plans
E4	CORE	Develop masonry construction shop drawings
E4	CORE	Install masonry hardware
E4	CORE	Mix mortar
E5	CORE	Supervise masonry construction operations

SPECIAL CONSTRUCTION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Assess airfield damages
E4	NON-CORE	Construct bridging systems (i.e., Mabey Johnson, Medium Girder Bridge (MGB), heavy timber)
E5	NON-CORE	Construct non-standard bridging (i.e., gap crossing)
E4	NON-CORE	Demolish special construction
E4	NON-CORE	Develop special construction demolition plans
E4	NON-CORE	Erect K-Span structures
E4	CORE	Erect pre-engineered structures (i.e., tension fabric, pre-engineered buildings (PEB), fabricated steel buildings, steel towers, and antennas)
E4	CORE	Erect scaffolding to support construction activities
E4	NON-CORE	Erect waterfront piers
E4	NON-CORE	Fabricate cold-formed steel floor, wall, and roof assemblies
E4	NON-CORE	Install cold-formed steel framing components and prefabricated assemblies
E4	NON-CORE	Install cold-formed steel wall and roof sheathing
E5	NON-CORE	Launch bridging systems (i.e., Mabey Johnson, Medium Girder Bridge (MGB), heavy timber)
E7	NON-CORE	Manage Airfield Damage Repair (ADR) operations
E7	NON-CORE	Manage special construction assembly operations (i.e., tension fabric, pre-engineered buildings (PEB), fabricated steel buildings, steel towers, and antennas)
E7	NON-CORE	Manage waterfront pier construction operations
E5	NON-CORE	Perform locksmith operations
E6	NON-CORE	Plan Airfield Damage Repairs (ADR)
E5	NON-CORE	Plan Pier Damage Repairs (PDR)
E5	NON-CORE	Recover bridging systems (i.e., Mabey Johnson, Medium Girder Bridge (MGB), heavy timber)

SPECIAL CONSTRUCTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Repair damaged airfields
E4	NON-CORE	Repair damaged piers
E6	NON-CORE	Supervise Airfield Damage Repair (ADR) operations
E6	NON-CORE	Supervise assembly and erection operations (i.e., tension fabric, pre-engineered buildings (PEB), fabricated steel buildings, steel towers, and antennas)
E6	NON-CORE	Supervise K-span erection operations
E6	NON-CORE	Supervise Pier Damage Repair (PDR) operations
E6	NON-CORE	Supervise pile driving construction operations
E6	NON-CORE	Supervise waterfront pier construction operations

CHAPTER 17

CONSTRUCTION ELECTRICIAN
(CE)

NAVPERS 18068F-17H
Change 100

Updated: October 2024

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CONSTRUCTION ELECTRICIAN (CE)

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

CONSTRUCTION ELECTRICIAN (CE)

SCOPE OF RATING

Construction Electricians (CE) install and repair interior/exterior wiring and overhead and underground primary and secondary distribution systems using conduit, raceways, and direct burial cables; set up, operate, and service power generation electrical equipment; climb poles and towers utilizing lineman equipment; install and service electrical equipment; maintain individual combat readiness, and perform tasks required in contingency operations and disaster preparedness or Humanitarian Assistance Disaster Recovery (HADR) operations.

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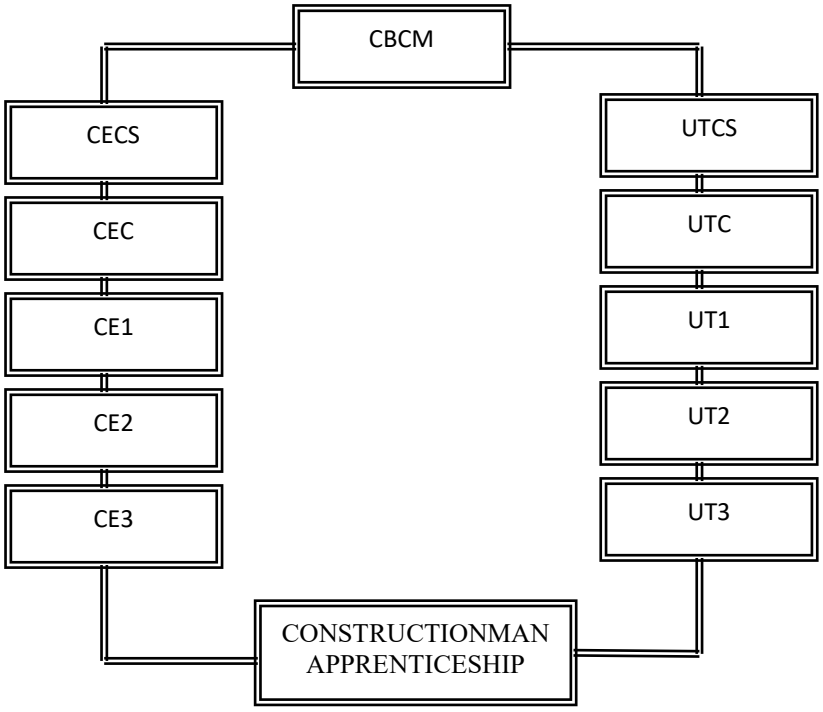
This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 17.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

*Career path updated to reflect rating name change to Seabee Master Chief (CBCM) – NAVADMIN 054/21 refers

Job Title **Job Code**

Construction Electrician 002599

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Construction and Extraction	TBD	CONSTRUCTION ELECTRICIAN	CONSTRUCT ELEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CE	NEC BXXX series and other NECs as assigned

Job Description

Construction Electricians (CE) interpret electrical plans and specifications, install and repair interior/exterior wiring and overhead and underground primary and secondary distribution systems using conduit, raceways, and direct burial cables; set up, operate, and service electrical equipment; climb poles and towers utilizing lineman equipment; install and service electrical equipment (e.g., transformers, switching equipment, protective devices, motors and controllers, conventional and alternative electrical systems, portable generators and distribution systems, Uninterruptable Power Supply (UPS) devices, telephone/communication systems, security and portable lighting systems, etc.); act as project managers, planning, staffing, directing, and controlling multiple construction projects to include problem solving, planning, estimating, scheduling, controlling cost, and managing personnel; ensure compliance with specifications, code requirements, plans, and contracts; prepare progress reports, time records, construction schedules, and material, labor, tool and equipment estimates for construction projects; and act as project supervisors and trainers for junior personnel.

DoD Relationship **O*NET Relationship**

Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Electricians	172100	Electricians	47-2111.00	Construction and Extraction

Skills	Abilities
Equipment Selection	*Deductive Reasoning*
Installation	*Problem Sensitivity*
Complex Problem Solving	*Manual Dexterity*
Management of Personnel Resources	*Oral Expression*
Quality Control Analysis	*Visualization*
Management of Material Resources	*Information Ordering*
Systems Evaluation	*Inductive Reasoning*
Critical Thinking	*Written Expression*
Repairing	*Written Comprehension*
Judgment and Decision Making	*Selective Attention*

CONSTRUCTION MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Conduct construction project turnovers
E6	NON-CORE	Conduct Three-Phase Quality Control inspections
E4	CORE	Develop construction activity summary sheets
E4	CORE	Develop construction estimates
E5	CORE	Develop construction project packages
E4	CORE	Develop construction project safety plans
E4	CORE	Develop construction project sketches, diagrams, and shop drawings
E4	CORE	Develop environmental protection plans
E4	CORE	Develop master activities listing
E4	CORE	Develop project Three-Phase Quality Control plans
E5	CORE	Establish construction site layouts
E5	CORE	Input project data into construction management software and tools
E4	CORE	Inspect construction materials
E4	CORE	Interpret construction project sketches, diagrams, and shop drawings
E4	CORE	Inventory project tools and materials
E5	CORE	Lead construction project crews
E6	CORE	Manage construction project resources

CONSTRUCTION MANAGEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Manage construction project safety plans
E6	CORE	Manage construction projects
E5	CORE	Manage job site construction operations (e.g., Quality Control (QC) and safety plan implementation, job site information board, level III chart, etc.)
E6	CORE	Manage project Quality Control (QC) plans
E6	CORE	Manage Three-Phase Quality Control process
E6	NON-CORE	Monitor construction project contracts
E5	CORE	Supervise construction project crews
E5	CORE	Supervise construction project safety operations
E5	CORE	Supervise environmental protection plans
E5	CORE	Supervise planning and estimating operations
E5	CORE	Supervise project Three-Phase Quality Control process
E6	CORE	Validate construction project packages
E5	NON-CORE	Validate project surveys and elevation data

ELECTRICAL AND ELECTRONIC SYSTEM COMPONENTS

Paygrade	Task Type	Task Statements
E4	CORE	Install electrical components and devices
E4	CORE	Install electronic components and devices (e.g., surge protector, sensory equipment, etc.)
E4	NON-CORE	Install Uninterruptable Power Supplies (UPS)
E4	CORE	Interpret electrical and electronic system component drawings and specifications
E5	NON-CORE	Maintain Uninterruptable Power Supplies (UPS)
E4	CORE	Repair electrical equipment
E5	CORE	Repair electronic components and devices (e.g., surge protector, sensory equipment, etc.)
E5	NON-CORE	Repair Uninterruptable Power Supplies (UPS)
E4	NON-CORE	Replace electronic components and devices (e.g., surge protector, sensory equipment, etc.)
E4	CORE	Test electrical equipment
E4	CORE	Test electronic components and devices (e.g., surge protector, sensory equipment, etc.)
E4	NON-CORE	Test Uninterruptable Power Supplies (UPS)
E4	CORE	Troubleshoot electrical equipment
E4	CORE	Troubleshoot electronic components and devices (e.g., surge protector, sensory equipment, etc.)
E5	NON-CORE	Troubleshoot Uninterruptable Power Supplies (UPS)

EXPEDITIONARY CONSTRUCTION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Assess airfield damages
E6	NON-CORE	Assess pier damages
E4	NON-CORE	Install airfield lighting systems

EXPEDITIONARY CONSTRUCTION (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Plan Airfield Damage Repairs (ADR)
E6	NON-CORE	Plan Pier Damage Repairs (PDR)
E4	NON-CORE	Repair airfield lighting systems
E4	NON-CORE	Repair damaged airfields
E4	NON-CORE	Repair damaged piers
E7	NON-CORE	Supervise Airfield Damage Repair (ADR) operations
E7	NON-CORE	Supervise Pier Damage Repair (PDR) operations
E4	NON-CORE	Test airfield lighting systems
E5	NON-CORE	Troubleshoot airfield lighting systems

FACILITIES MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Inspect facility utility systems
E7	NON-CORE	Manage facility maintenance contracts
E7	CORE	Manage facility maintenance operations (i.e., Camp Maintenance)
E4	CORE	Perform facility corrective maintenance
E4	CORE	Perform facility preventive maintenance
E6	CORE	Supervise facility maintenance operations (i.e., Camp Maintenance)

INTERIOR AND EXTERIOR WIRING

Paygrade	Task Type	Task Statements
E4	CORE	Calculate electrical load capacities for conductors
E4	CORE	Calculate electrical load requirements
E4	CORE	Calculate fill capacities for raceways and enclosures
E5	CORE	Develop electrical wiring diagrams
E5	CORE	Implement interior and exterior sketches, schematics, and wiring diagrams (e.g., branch circuits, panel schedules, etc.)
E4	CORE	Install electrical conductors
E4	CORE	Install electrical conduits and raceways
E4	CORE	Install electrical fixtures and devices
E4	CORE	Install electrical power panels and enclosures
E4	CORE	Install interior and exterior electrical grounding and bonding systems
E4	CORE	Install service entrance equipment
E4	CORE	Interpret interior and exterior wiring drawings and specifications
E4	CORE	Repair interior and exterior wiring systems
E5	CORE	Supervise interior and exterior wiring operational system checks (e.g., tests, repairs, troubleshooting, etc.)
E5	CORE	Supervise interior and exterior wiring system installations
E4	CORE	Troubleshoot interior and exterior wiring systems

LIGHTING

Paygrade	Task Type	Task Statements
E4	CORE	Calculate area lighting requirements
E4	CORE	Conduct lighting systems operational checks (e.g., area, commercial, emergency, security, industrial, etc.)
E4	CORE	Develop lighting sketches and diagrams
E4	CORE	Install area lighting systems
E4	CORE	Install portable lighting
E4	CORE	Install street lighting systems
E4	CORE	Install temporary lighting systems
E4	CORE	Interpret lighting drawings and specifications
E4	CORE	Repair lighting systems (e.g., area, commercial, emergency, security, industrial, etc.)
E5	CORE	Repair portable lighting (i.e., light plants, temporary lighting)
E4	CORE	Repair street lighting systems
E5	CORE	Supervise lighting system installations
E5	CORE	Supervise lighting system operational system checks (i.e., tests, repairs, troubleshooting)
E4	CORE	Test lighting systems (e.g., area, commercial, emergency, security, industrial, etc.)
E4	CORE	Test portable lighting (i.e., light plants, temporary lighting)
E4	CORE	Test street lighting system operations
E4	CORE	Troubleshoot lighting systems (e.g., area, commercial, emergency, security, industrial, etc.)
E4	CORE	Troubleshoot portable lighting (i.e., light plants, temporary lighting)
E5	CORE	Troubleshoot street lighting systems

MOTORS AND CONTROLLERS

Paygrade	Task Type	Task Statements
E5	CORE	Calculate motors and controllers requirements
E4	CORE	Install electric motor systems (e.g., motor controls, protective devices, etc.)
E4	CORE	Interpret motors and controllers drawings and specifications
E4	CORE	Repair electrical motor systems (e.g., motor controls, protective devices, etc.)
E5	CORE	Supervise electric motor system installations (e.g., motor controls, protective devices, etc.)
E5	CORE	Supervise electric motor system operational checks (e.g., tests, repairs, troubleshooting, etc.)
E4	CORE	Test electric motor systems (e.g., motor controls, protective devices, etc.)
E4	CORE	Troubleshoot electric motor systems (e.g., motor controls, protective devices, etc.)

POWER DISTRIBUTION

Paygrade	Task Type	Task Statements
E5	CORE	Calculate power distribution load requirements
E4	CORE	Climb utility poles
E5	CORE	Conduct aerial work (e.g., lifts, bucket truck, platforms, etc.)
E5	CORE	Develop power distribution system requirements

POWER DISTRIBUTION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Implement power distribution sketches and diagrams (e.g., camp/expeditionary layout, project site, etc.)
E4	NON-CORE	Install electrical manholes
E4	CORE	Install facilities grounding systems
E4	CORE	Install overhead power distribution systems
E4	CORE	Install power distribution grounding systems
E4	CORE	Install power distribution protection system components
E5	NON-CORE	Install power distribution switchgear (e.g., expeditionary construction sites, facilities, etc.)
E4	CORE	Install power distribution transformers
E4	CORE	Install service drops
E4	CORE	Install underground power distribution systems
E4	NON-CORE	Install utility poles using auger trucks
E5	CORE	Interpret power distribution drawings and specifications
E4	CORE	Locate existing underground electrical utilities
E4	CORE	Maintain electrical manholes
E4	CORE	Maintain facility grounding systems
E4	CORE	Maintain overhead and underground power distribution systems
E4	CORE	Maintain power distribution grounding systems
E5	NON-CORE	Repair direct burial cables
E5	NON-CORE	Repair power distribution switchgear (e.g., expeditionary construction sites, facilities, etc.)
E5	CORE	Repair underground power distribution systems
E4	CORE	Replace overhead power distribution systems
E4	CORE	Rescue personnel from aerial positions
E5	CORE	Supervise electrical manhole operations
E5	CORE	Supervise facility grounding system operations
E5	CORE	Supervise overhead and underground power distribution operational system checks (i.e., tests, repairs, troubleshooting)
E5	CORE	Supervise overhead and underground power distribution systems installations
E7	CORE	Supervise overhead and underground power distribution systems operations
E5	NON-CORE	Supervise power distribution switchgear (e.g., expeditionary construction sites, facilities, etc.)
E5	CORE	Supervise power distribution transformer installations
E5	NON-CORE	Supervise utility pole installations using auger truck
E4	CORE	Test overhead and underground power distribution systems
E4	CORE	Test power distribution grounding systems
E4	CORE	Test power distribution grounding systems for resistance to earth
E4	NON-CORE	Test power distribution switchgear (e.g., expeditionary construction sites, facilities, etc.)

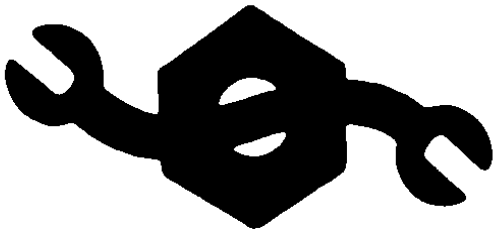
POWER DISTRIBUTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test power distribution transformer functionality
E5	CORE	Troubleshoot overhead and underground power distribution systems

POWER GENERATION

Paygrade	Task Type	Task Statements
E5	CORE	Calculate power generation load requirements
E4	CORE	Conduct power generation operational system checks
E4	NON-CORE	Install alternative power sources (e.g., solar, wind power, etc.)
E4	CORE	Install power generation systems
E4	CORE	Provide power supplies to loads using generators
E5	NON-CORE	Repair alternative power sources (e.g., solar, wind power, etc.)
E5	CORE	Repair power generation systems
E5	CORE	Supervise power generation installations
E5	CORE	Supervise power generation operations (e.g., tests, repairs, troubleshooting, etc.)
E4	NON-CORE	Test alternative power sources (e.g., solar, wind power, etc.)
E4	CORE	Troubleshoot power generation systems

CHAPTER 18



CONSTRUCTION MECHANIC
(CM)

NAVPERS 18068F-18H
Change 100

Updated: October 2024

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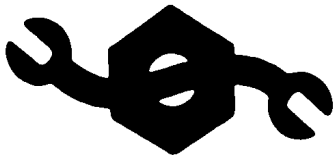
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

CONSTRUCTION MECHANIC (CM)



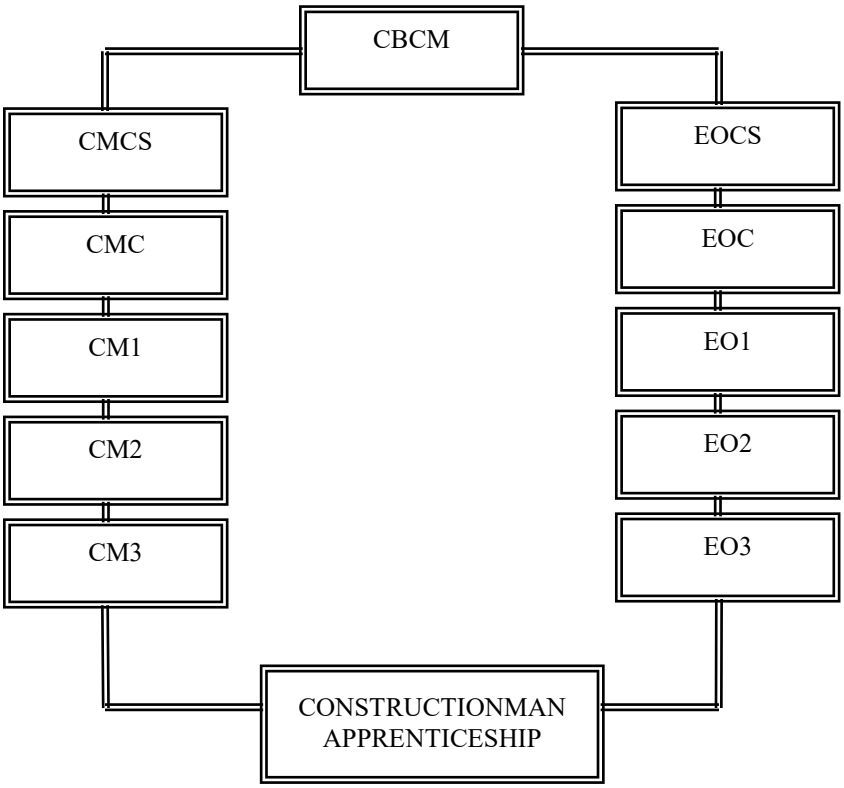
SCOPE OF RATING

Construction Mechanics (CM) perform, supervise, and document tasks involved in maintenance, diagnosis, repair, and overhaul of automotive, material/weight handling and construction equipment; research and manage of repair parts program; maintain records; train personnel in repair procedures; and maintain individual and equipment readiness.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 18.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

*Career path updated to reflect rating name change to Seabee Master Chief (CBCM) – NAVADMIN 054/21 refers

Job Title

Construction Mechanic

Job Code

002604

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	CONSTRUCTION MECHANIC	CONSTRUCT MECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CM	NECs BXXX series and other NECs as assigned

Job Description

Construction Mechanics (CM) perform, supervise, and document tasks involved in maintenance, diagnosis, repair, and overhaul of automotive, material/weight handling and construction equipment; research and manage repair parts program; maintain records; train personnel in repair procedures; maintain equipment and combat readiness; act as shop supervisors, planning, staffing, directing, and controlling multiple work centers to include problem-solving, planning, scheduling, and managing personnel while ensuring compliance with specifications, code requirements, plans, and contracts.

DoD Relationship

Group Title	*DoD Code*
Construction Equipment	161200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Automotive Service Technicians and Mechanics	49-3023.01	Installation, Maintenance, and Repair

Skills	Abilities
Systems Evaluation	*Written Comprehension*
Repairing	*Multi-limb Coordination*
Troubleshooting	*Problem Sensitivity*
Equipment Selection	*Written Expression*
Installation	*Inductive Reasoning*
Equipment Maintenance	*Control Precision*
Systems Analysis	*Perceptual Speed*
Operation Monitoring	*Manual Dexterity*
Management of Material Resources	*Oral Expression*
Management of Personnel Resources	*Finger Dexterity*

BODY SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust body system components
E4	CORE	Conduct corrosion prevention and control procedures
E4	CORE	Conduct preventive maintenance on body systems
E4	NON-CORE	Conduct preventive maintenance on force protection materials
E5	CORE	Inspect body systems/components
E5	NON-CORE	Inspect force protection materials on vehicles
E4	NON-CORE	Install force protection materials on vehicles
E5	NON-CORE	Paint body components
E4	CORE	Perform oxygen/gas cutting and heat treatment
E4	NON-CORE	Prepare surfaces for painting
E4	CORE	Repair body systems/components
E5	NON-CORE	Repair equipment body damages
E4	CORE	Replace body system components
E4	NON-CORE	Replace force protection materials on vehicles
E4	CORE	Research body system/component repair parts
E4	CORE	Troubleshoot body systems/components
E5	CORE	Verify replacement of force protection materials
E4	NON-CORE	Weld ferrous/non-ferrous metals

BRAKE SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust electrical brake system components
E4	CORE	Adjust hydraulic brake system components
E4	CORE	Adjust mechanical brake system components
E4	CORE	Adjust pneumatic brake system components
E4	CORE	Conduct preventive maintenance on anti-lock brake systems
E4	CORE	Conduct preventive maintenance on electrical brake system components
E4	CORE	Conduct preventive maintenance on hydraulic brake systems
E4	CORE	Conduct preventive maintenance on mechanical brake systems
E4	CORE	Conduct preventive maintenance on pneumatic brake systems
E5	CORE	Inspect anti-lock brake systems/components
E5	CORE	Inspect electrical brake system components
E5	CORE	Inspect hydraulic brake systems/components
E5	CORE	Inspect mechanical brake systems/components
E5	CORE	Inspect pneumatic brake systems/components
E4	CORE	Repair anti-lock brake system components
E4	CORE	Repair electrical brake system components
E4	CORE	Repair hydraulic brake systems/components
E4	CORE	Repair mechanical brake systems/components
E4	CORE	Repair pneumatic brake systems/components
E4	CORE	Replace anti-lock brake system components
E4	CORE	Replace electrical brake system components
E4	CORE	Replace hydraulic brake system components
E4	CORE	Replace mechanical brake system components
E4	CORE	Replace pneumatic brake system components
E4	CORE	Research brake system/component repair parts
E5	CORE	Troubleshoot anti-lock brake systems/components
E4	CORE	Troubleshoot electrical brake system components
E4	CORE	Troubleshoot hydraulic brake systems/components
E4	CORE	Troubleshoot mechanical brake systems/components
E4	CORE	Troubleshoot pneumatic brake systems/components

CHASSIS SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust track components
E4	CORE	Assemble wheel and tire assemblies/components
E4	CORE	Balance wheel and tire assemblies/components
E4	CORE	Conduct preventive maintenance on track components
E4	CORE	Conduct preventive maintenance on wheel and tire assemblies/components
E5	CORE	Inspect track components
E5	CORE	Inspect wheel and tire assemblies/components

CHASSIS SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Repair track components
E4	CORE	Repair wheel and tire assemblies/components
E5	CORE	Replace track components
E4	CORE	Replace wheel and tire assemblies/components
E4	CORE	Research chassis system/component repair parts
E5	CORE	Troubleshoot track components
E4	CORE	Troubleshoot wheel and tire assemblies/components

CLIMATE CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Conduct preventive maintenance on heating systems
E4	CORE	Conduct preventive maintenance on ventilation systems
E5	CORE	Inspect air conditioning systems/components
E5	CORE	Inspect heating systems/components
E5	CORE	Inspect ventilation systems/components
E5	CORE	Repair air conditioning systems/components
E4	CORE	Repair heating systems/components
E4	CORE	Repair ventilation system components
E4	CORE	Repair ventilation systems/components
E5	CORE	Replace air conditioning system components
E4	CORE	Replace heating system components
E4	CORE	Replace ventilation system components
E5	CORE	Troubleshoot air conditioning systems/components
E4	CORE	Troubleshoot heating systems/components
E4	CORE	Troubleshoot ventilation systems/components

COOLING SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct preventive maintenance on cooling systems
E5	CORE	Inspect cooling systems/components
E4	CORE	Repair cooling systems/components
E4	CORE	Replace cooling system components
E4	CORE	Research cooling system/component repair parts
E4	CORE	Troubleshoot cooling systems/components

EXPEDITIONARY CONSTRUCTION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Assess airfield damages
E5	NON-CORE	Assess pier damages
E4	NON-CORE	Construct expeditionary medical facilities
E6	NON-CORE	Maintain expeditionary medical facilities
E5	NON-CORE	Plan Airfield Damage Repairs (ADR)

EXPEDITIONARY CONSTRUCTION (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Plan Pier Damage Repairs (PDR)
E4	NON-CORE	Repair damaged airfields
E4	NON-CORE	Repair damaged piers
E7	NON-CORE	Supervise Airfield Damage Repair (ADR) operations
E7	NON-CORE	Supervise Pier Damage Repair (PDR) operations

HYDRAULIC AND PNEUMATIC SYSTEMS

Paygrade	Task Type	Task Statements
E5	CORE	Adjust hydraulic system components
E5	CORE	Adjust pneumatic system components
E4	CORE	Conduct preventive maintenance on hydraulic systems
E4	CORE	Conduct preventive maintenance on pneumatic systems
E5	CORE	Inspect hydraulic systems/components
E5	CORE	Inspect pneumatic systems/components
E4	CORE	Repair hydraulic systems/components
E4	CORE	Repair pneumatic systems/components
E4	CORE	Replace hydraulic system components
E4	CORE	Replace pneumatic system components
E4	CORE	Research hydraulic and pneumatic system/component repair parts
E5	CORE	Troubleshoot hydraulic systems/components
E5	CORE	Troubleshoot pneumatic systems/components

INTERNAL COMBUSTION ENGINES

Paygrade	Task Type	Task Statements
E5	CORE	Adjust Internal Combustion Engine (ICE) system components
E4	CORE	Conduct preventive maintenance on emission systems
E4	CORE	Conduct preventive maintenance on Internal Combustion Engine (ICE) systems
E5	CORE	Inspect emission systems/components
E5	CORE	Inspect Internal Combustion Engine (ICE) systems/components
E4	CORE	Repair emission systems/components
E4	CORE	Repair Internal Combustion Engine (ICE) systems/components
E4	CORE	Replace emission system components
E4	CORE	Replace Internal Combustion Engine (ICE) system components
E4	CORE	Research Internal Combustion Engine (ICE) repair parts
E5	CORE	Troubleshoot emission systems/components
E5	CORE	Troubleshoot Internal Combustion Engine (ICE) systems/components

POWER GENERATION

Paygrade	Task Type	Task Statements
E5	CORE	Adjust power generation components
E5	CORE	Inspect power generation components
E5	CORE	Perform generator operational load tests

POWER GENERATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Repair power generation components
E4	CORE	Replace power generation components
E4	CORE	Research power generation system/component repair parts
E5	CORE	Troubleshoot power generation systems/components

POWER TRAIN

Paygrade	Task Type	Task Statements
E4	CORE	Adjust auxiliary system components
E4	CORE	Adjust drivetrain systems/components
E4	CORE	Conduct preventive maintenance on auxiliary systems
E4	CORE	Conduct preventive maintenance on drivetrain systems
E5	CORE	Inspect auxiliary systems/components
E5	CORE	Inspect drivetrain systems/components
E4	CORE	Install auxiliary system components
E4	CORE	Repair auxiliary system components
E4	CORE	Repair drivetrain systems/components
E4	CORE	Replace auxiliary system components
E4	CORE	Replace drivetrain components
E4	CORE	Research powertrain system/component repair parts
E5	CORE	Troubleshoot auxiliary systems/components
E5	CORE	Troubleshoot drivetrain systems/components

STEERING AND SUSPENSION SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust steering system components
E4	CORE	Adjust suspension system components
E4	CORE	Conduct preventive maintenance on automotive suspension systems
E4	CORE	Conduct preventive maintenance on heavy equipment suspension systems
E4	CORE	Conduct preventive maintenance on steering systems
E5	CORE	Inspect steering systems/components
E5	CORE	Inspect suspension system/components
E4	CORE	Repair steering systems/components
E4	CORE	Repair suspension system/components
E4	CORE	Replace steering system components
E4	CORE	Replace suspension system components
E4	CORE	Research steering and suspension system/component repair parts
E4	CORE	Troubleshoot steering systems/components
E4	CORE	Troubleshoot suspension systems/components

TABLE OF ALLOWANCE (TOA) MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Conduct maintenance administration operations
E4	CORE	Document maintenance actions
E6	CORE	Inspect technical libraries
E6	CORE	Inspect tool room programs
E4	CORE	Inspect tools
E4	CORE	Maintain technical libraries
E4	CORE	Maintain tools and tool room programs
E7	CORE	Manage equipment maintenance programs
E4	CORE	Manage equipment parts acquisitions, inventories, and distributions
E7	CORE	Manage equipment turnover process
E6	CORE	Manage equipment work center programs
E7	CORE	Manage tool room operations
E6	CORE	Review equipment Table of Allowance (TOA) items
E6	CORE	Supervise equipment turnover process
E5	CORE	Supervise equipment work center operations
E6	CORE	Supervise maintenance shop operations

VEHICLE/EQUIPMENT ELECTRICAL SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct preventive maintenance on electrical components
E5	CORE	Inspect electrical systems/components
E4	CORE	Install electrical systems/components
E4	CORE	Repair electrical systems/components
E4	CORE	Research equipment electrical system/component repair parts
E4	CORE	Troubleshoot electrical systems/components

VEHICLE/EQUIPMENT ELECTRONIC AND DIAGNOSTIC SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Calibrate electronic system parameters and components (e.g., Throttle Position Sensor (TPS), arranging sensors, articulation angle sensors, injection systems, etc.)
E4	CORE	Conduct preventive maintenance on electronic components
E5	CORE	Inspect electronic systems/components
E5	CORE	Program Electronic Control Modules (ECM)
E5	CORE	Repair electronic systems/components
E4	CORE	Replace electronic components
E5	CORE	Replace Electronic Control Modules (ECM)
E4	CORE	Research electronic and diagnostic system/component repair parts
E5	CORE	Test Electronic Control Modules (ECM)
E4	CORE	Test electronic systems/components
E4	CORE	Troubleshoot Electronic Control Modules (ECM)
E5	CORE	Troubleshoot electronic systems/components

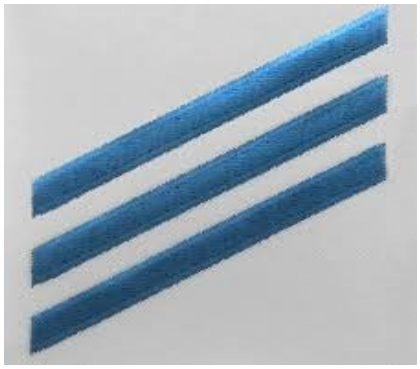
VEHICLE/EQUIPMENT FUEL SYSTEMS

Paygrade	Task Type	Task Statements
E5	CORE	Adjust fuel system components
E4	CORE	Conduct preventive maintenance on fuel systems
E5	CORE	Inspect fuel systems/components
E4	CORE	Repair fuel systems/components
E4	CORE	Replace fuel system components
E4	CORE	Research equipment fuel system/component repair parts
E5	CORE	Troubleshoot fuel systems/components

WEIGHT HANDLING EQUIPMENT MAINTENANCE

Paygrade	Task Type	Task Statements
E5	NON-CORE	Adjust crane systems
E5	NON-CORE	Conduct preventive maintenance on crane systems
E5	NON-CORE	Inspect crane systems
E7	CORE	Manage crane maintenance programs
E5	NON-CORE	Repair crane systems
E5	NON-CORE	Replace crane systems
E6	CORE	Supervise crane maintenance program operations
E5	NON-CORE	Troubleshoot crane systems

CHAPTER 19



CONSTRUCTIONMAN
(CN)

NAVPERS 18068F-19F
Change 107

Updated: July 2026
*Administrative Update

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

CONSTRUCTIONMAN (CN)
APPRENTICESHIP

SCOPE OF RATING

Constructionmen (CN) perform tasks directly related to the seven construction ratings during all phases of construction; assist in the preparation and completion of construction projects at the crew member level and support facilities/equipment maintenance and repairs; maintain individual expeditionary combat readiness at the fire team level; and assist in tasks required in combat and disaster preparedness or Humanitarian Assistance Disaster Recovery (HADR) operations.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 19.

GENERAL INFORMATION

CAREER PATH FROM THE CONSTRUCTIONMAN APPRENTICESHIP

RATING TITLE	E-4	E-5	E-6	E-7	E-8	E-9
Builder	BU3	BU2	BU1	BUC	*CUCS	*CBCM
Construction Electrician	CE3	CE2	CE1	CEC	CECS	*CBCM
Construction Mechanic	CM3	CM2	CM1	CMC	CMCS	*CBCM
Engineering Aid	EA3	EA2	EA1	EAC	*CUCS	*CBCM
Equipment Operator	EO3	EO2	EO1	EOC	EOCS	*CBCM
Steelworker	SW3	SW2	SW1	SWC	*CUCS	*CBCM
Utilitiesman	UT3	UT2	UT1	UTC	UTCS	*CBCM

*Career path updated to reflect rating compression at paygrade E8/E9 – NAVADMIN 054/21 refers. Rating names change as follows:

Rating names change as follows:
CUCS = Senior Chief Constructionman
CBCM = Seabee Master Chief

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Constructionman

Job Code

002688

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Construction and Extraction	TBD	CONSTRUCTIONMAN	CONSTRUCTMAN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CN	N/A

Job Description

Constructionmen (CN) perform tasks directly related to the seven construction ratings during all phases of construction; assist in the preparation and completion of construction projects at the crew member level and support facilities/equipment maintenance and repairs; maintain individual expeditionary combat readiness at the fire team level; and assist in tasks required in combat and disaster preparedness or Humanitarian Assistance Disaster Recovery (HADR) operations.

DoD Relationship

Group Title	*DoD Code*
Construction General	171000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Helpers, Construction Trades, All Other	47-3019.00	Construction and Extraction

Skills	Abilities
Critical Thinking	*Written Comprehension*
Management of Material Resources	*Inductive Reasoning*
Judgment and Decision Making	*Problem Sensitivity*
Reading Comprehension	*Manual Dexterity*
Active Learning	*Information Ordering*
Equipment Selection	*Written Expression*
Writing	*Category Flexibility*
Active Listening	*Deductive Reasoning*
Complex Problem Solving	*Dynamic Strength*
Mathematics	*Finger Dexterity*

CONSTRUCTION OPERATIONS

Paygrade	Task Type	Task Statements
E3	CORE	Convert standard U.S. weights and measures to the metric system
E3	CORE	Interpret construction sketches and diagrams
E3	CORE	Inventory tool kits, building materials, and repair parts
E3	NON-CORE	Perform required maintenance (R1) and prestart check inspections
E3	NON-CORE	Record discrepancies on trouble reports
E3	CORE	Use basic hand tools
E3	NON-CORE	Utilize trip tickets (Motor Vehicle Utilization Record, DD Form 1970)

SAFETY

Paygrade	Task Type	Task Statements
E3	CORE	Assist in the cleanup of minor Hazardous Material (HAZMAT) spills
E3	CORE	Employ Operational Risk Management (ORM) procedures
E3	CORE	Employ Personal Protective Equipment (PPE)
E3	CORE	Handle Hazardous Materials (HAZMAT)
E3	CORE	Know how to read and identify Safety Data Sheet (SDS)

SAFETY (CONT'D)

Paygrade	Task Type	Task Statements
E3	CORE	Report safety hazards and violations
E3	CORE	Store Hazardous Materials (HAZMAT) as per Safety Data Sheet (SDS)

SEABEE COMBAT SKILLS

Paygrade	Task Type	Task Statements
E3	NON-CORE	Perform duties of ammunition carrier for Crew-Served Weapons (CSW)

CHAPTER 20

CRYPTOLOGIC TECHNICIAN (INTERPRETIVE) (CTI)

NAVPERS 18068F-20F
Change 101

Updated: January 2025

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CRYPTOLOGIC TECHNICIAN (INTERPRETIVE) (CTI)

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

CRYPTOLOGIC TECHNICIAN (INTERPRETIVE) (CTI)

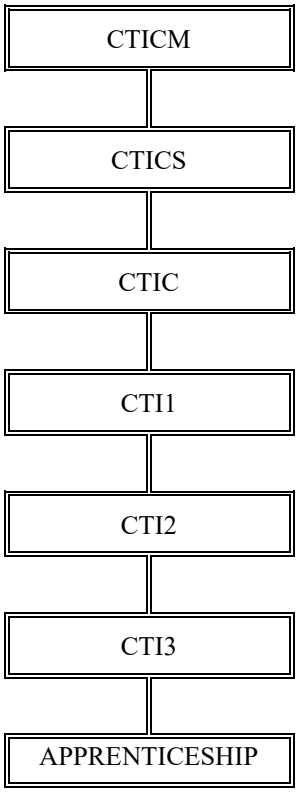
SCOPE OF RATING

Cryptologic Technicians (Interpretive) (CTI) utilize foreign language skills, regional and cultural expertise, and advanced computer systems in support of strategic, tactical and cyber information operations; collect, process, exploit, analyze and report foreign language communications, digital network information, and Signals Of Interest (SOI) to identify, locate and monitor worldwide threats; transcribe, translate and interpret foreign language materials; manage foreign language programs; provide cultural and regional guidance in support of National, Joint, Fleet (i.e., special operations, air, surface and subsurface) and multi-national consumers and decision makers; and control and safeguard access to classified material and information systems.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068E) as Chapter 20.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

Defense Language Proficiency Test (DLPT) Requirements. All candidates competing for paygrades E-4 (CTI3) through E-9 (CTICM) must achieve a current DLPT score of L2/R2 in the language that reflects their primary duty as determined by the member's commanding officer. Minimum proficiency of L2/R2 must be attained in order to be eligible for the next higher paygrade

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Strategic Language Analyst

Job Code

001022

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Arts, Design, Entertainment, Sports, and Media	TBD	STRATEGIC LANGUAGE ANALYST	STRAT LANG ANL

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTI	NEC CXXX series and other NECs as assigned

Job Description

Strategic Language Analysts utilize and supervise the use of signals collection systems to identify, collect, and monitor foreign communications and geolocate targets; gist, transcribe, translate, analyze, summarize, and provide quality assurance on target foreign language communications; supervise collection management operations; coordinate collection, analysis, processing, exploitation, and reporting of target foreign intelligence; analyze target communications infrastructure; advise leadership on regional and cultural factors that impact mission operations; draft, validate, and release Signals Intelligence reports; maintain cryptologic databases; perform target development; and protect sensitive methods and sources.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Analysis	123200	Interpreters and Translators	27-3091.00	Arts, Design, Entertainment, Sports, and Media

Skills	Abilities
Critical Thinking	*Information Ordering*
Judgment and Decision Making	*Deductive Reasoning*
Active Learning	*Inductive Reasoning*
Complex Problem Solving	*Problem Sensitivity*
Writing	*Written Expression*
Operations Analysis	*Memorization*
Coordination	*Speed of Closure*
Reading Comprehension	*Category Flexibility*
Quality Control Analysis	*Perceptual Speed*
Systems Analysis	*Oral Expression*

COLLECTION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze signal fundamentals and radio wave theory
E4	CORE	Apply collection sources and techniques
E4	CORE	Assess collection gaps
E5	NON-CORE	Assist in Unmanned Systems (UxS) operations
E4	CORE	Detect collection anomalies
E5	CORE	Manage selector taskings
E4	CORE	Perform remote sensor operations
E6	CORE	Process collection requirements (i.e., Collection Requirement Number (CRN) development)
E6	CORE	Provide corrective actions for collection anomalies
E4	CORE	Report collection anomalies
E4	CORE	Submit selectors for tasking
E6	CORE	Supervise cryptologic missions

INTELLIGENCE DISSEMINATION AND REPORTING

Paygrade	Task Type	Task Statements
E4	CORE	Annotate special dissemination controls
E4	CORE	Brief intelligence information
E4	CORE	Collaborate with other analysts on end products

INTELLIGENCE DISSEMINATION AND REPORTING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Communicate Critical Intelligence Communications (CRITIC) information
E6	CORE	Coordinate special dissemination controls
E6	CORE	Coordinate with foreign entities (e.g., intelligence agencies, law enforcement, government institutions, corporations, etc.)
E4	CORE	Distribute time-sensitive alerts
E5	CORE	Draft Critical Intelligence Communications (CRITIC) messages
E4	CORE	Draft Signals Intelligence (SIGINT) reports
E4	CORE	Draft time-sensitive reports
E5	NON-CORE	Maintain Common Operational Picture (COP)
E6	CORE	Manage Signals Intelligence (SIGINT) reporting
E4	CORE	Map information flow within the Intelligence Cycle
E5	CORE	Perform Quality Assurance (QA) of Signals Intelligence (SIGINT) reports
E4	CORE	Provide Indications and Warning (I&W)
E5	CORE	Provide input to operational intelligence products (e.g., threat assessments, briefings, intelligence studies, etc.)
E4	CORE	Provide input to Requests for Information (RFI) responses
E4	CORE	Report Essential Elements of Information (EEI)
E4	CORE	Report potential threats
E7	CORE	Supervise Critical Intelligence Communications (CRITIC) reporting programs
E6	CORE	Validate Critical Intelligence Communications (CRITIC) messages

LANGUAGE ANALYSIS AND PROCESSING

Paygrade	Task Type	Task Statements
E4	CORE	Analyze content
E4	CORE	Articulate fundamental concepts related to Human Language Technologies (HLT)
E5	CORE	Assess regional and cultural factors that impact mission operations
E5	CORE	Conduct intelligence analysis within Target Office of Primary Interest (TOPI)
E4	CORE	Determine regional and cultural factors that impact mission operations
E4	CORE	Determine reporting criteria (e.g., geopolitical relevance, strategic relevance, anomalous activity, threat levels, etc.)
E5	NON-CORE	Develop language instructional materials
E4	CORE	Employ language processing tools
E4	CORE	Evaluate Signals of Interest (SOI)
E5	CORE	Integrate Human Language Technology (HLT) into language analysis workflow
E5	CORE	Perform historical analysis to answer strategic priorities
E5	CORE	Perform Quality Assurance (QA) of Interagency Language Roundtable (ILR) Level 2 language products
E6	CORE	Perform Quality Assurance (QA) of Interagency Language Roundtable (ILR) Level 2+ language products
E7	CORE	Perform Quality Assurance (QA) of Interagency Language Roundtable (ILR) Level 3 language products
E5	CORE	Perform Quality Assurance (QA) of language-related content in reports
E5	CORE	Prioritize data for processing

LANGUAGE ANALYSIS AND PROCESSING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Process Interagency Language Roundtable (ILR) Level 2 target language material
E5	CORE	Process Interagency Language Roundtable (ILR) Level 2+ target language material
E6	CORE	Process Interagency Language Roundtable (ILR) Level 3 target language material
E6	NON-CORE	Provide global language instruction
E6	CORE	Provide input to Battle Damage Assessments (BDA)
E4	CORE	Provide near real-time/real-time language analysis
E4	CORE	Provide technical language input to mission planning
E6	CORE	Provide technical language instruction
E4	CORE	Report non-target languages or dialects
E4	CORE	Select software-based analysis tools

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze roles, relationships, and responsibilities of elements of the Intelligence Community (IC)
E4	CORE	Apply Information Assurance (IA) fundamentals (i.e., confidentiality, integrity, availability, authentication, non-repudiation)
E4	CORE	Apply Information Security (INFOSEC) fundamentals (i.e., classifying and safeguarding classified National security information)
E4	CORE	Apply Intelligence Oversight (IO) fundamentals (e.g., protection of United States (U.S.) persons, Executive Order 12333, reporting, training, etc.)
E4	CORE	Apply provisions of the Foreign Intelligence Surveillance Act (FISA)
E4	CORE	Apply provisions of the United States Signals Intelligence Directives (USSID)
E6	CORE	Audit logical queries (e.g., Boolean, structured, etc.)
E6	CORE	Conduct cryptologic training exercises
E4	CORE	Control access to restricted areas
E6	CORE	Coordinate cryptologic missions
E5	CORE	Coordinate language skill maintenance
E4	CORE	Determine relevant information about the United States Signals Intelligence (SIGINT) System (USSS)
E7	CORE	Direct resources to meet mission requirements
E7	NON-CORE	Draft cryptologic operational policies and procedures
E7	CORE	Implement Emergency Destruction Plan (EDP)
E6	NON-CORE	Instruct courses within National Cryptologic University (NCU)
E6	NON-CORE	Manage Intelligence Oversight (IO)
E6	NON-CORE	Manage language training requirements
E7	CORE	Manage national cryptologic missions
E7	CORE	Manage operational assessment programs
E4	CORE	Perform pre-targeting compliance checks
E4	CORE	Protect Sensitive Compartmented Information (SCI) material
E5	CORE	Submit incident reports
E4	CORE	Transport Sensitive Compartmented Information (SCI) material

TARGET DEVELOPMENT AND EXPLOITATION

Paygrade	Task Type	Task Statements
E4	CORE	Access target technical information (e.g., technical kits, databases, working aids, etc.)
E5	NON-CORE	Analyze Command, Control, Communications, Computers, Combat Systems, Intelligence, Surveillance, Reconnaissance, and Target (C5ISRT) networks for critical nodes
E4	CORE	Analyze communication networks
E4	CORE	Analyze communication systems characteristics
E4	CORE	Analyze metadata
E5	CORE	Analyze target critical capabilities and vulnerabilities
E5	CORE	Analyze target tactics and methodologies (i.e., Tactics, Techniques, and Procedures (TTP))
E5	CORE	Analyze target threat capabilities
E4	CORE	Apply target tactics and methodologies (e.g., Tactics, Techniques, and Procedures (TTP), etc.)
E5	CORE	Assess computer network exploitation opportunities
E6	NON-CORE	Assess effectiveness of analysis tools
E5	NON-CORE	Assess effects of Operations in the Information Environment (OIE)
E4	NON-CORE	Assess situational data from Common Operational Picture (COP)
E4	CORE	Collaborate with other analysts on technical information
E5	CORE	Conduct Intelligence Preparation of the Operational Environment (IPOE)
E4	CORE	Construct logical queries (e.g., Boolean, structured, etc.)
E4	CORE	Determine communication network topography (e.g., hierarchy, base station, out station, etc.)
E4	CORE	Determine communication systems characteristics
E4	CORE	Determine digital network communications characteristics
E6	CORE	Determine intelligence gaps
E4	CORE	Determine location using geographic coordinates (e.g., Military Grid Reference System (MGRS), World Geographic Reference (GEOREF), etc.)
E5	CORE	Determine regional and cultural factors that influence target development
E4	CORE	Determine target capabilities
E4	CORE	Determine target location (e.g., geolocation, Direction Finding (DF), etc.)
E4	CORE	Determine telephony characteristics
E6	NON-CORE	Develop target packages (e.g., kinetic strikes, cyber effects, etc.)
E5	CORE	Develop target profiles
E5	CORE	Develop target technical information (e.g., technical kits, databases, working aids, etc.)
E5	NON-CORE	Draft Requests for Information (RFI)
E4	CORE	Evaluate target data using software-based analysis tools

TARGET DEVELOPMENT AND EXPLOITATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Implement principles of Signals Intelligence (SIGINT) Development (SIGDEV)
E6	NON-CORE	Integrate targeting efforts with other organizations and combatant commands
E4	CORE	Maintain target profiles
E5	CORE	Maintain technical databases
E4	CORE	Map communication networks
E5	CORE	Perform all-source research
E5	CORE	Perform digital network analysis
E5	CORE	Perform fusion analysis
E5	CORE	Perform Signals Intelligence (SIGINT) Development (SIGDEV)
E4	NON-CORE	Perform Signals Intelligence (SIGINT) Geospatial Analysis (SGA)
E5	CORE	Perform target development
E5	CORE	Perform trend/Pattern of Life (POL) analysis
E5	CORE	Provide input to battlespace environment evaluations
E6	NON-CORE	Provide input to Intelligence Gain/Loss (IGL) assessments
E5	NON-CORE	Provide input to Signals Intelligence (SIGINT) support packages
E4	CORE	Provide intelligence support to operations
E5	NON-CORE	Provide target nomination recommendations
E6	CORE	Supervise digital network analysis
E6	CORE	Supervise national cryptologic missions
E6	CORE	Supervise target activity analysis
E4	CORE	Update technical databases
E5	CORE	Validate intelligence sources
E7	NON-CORE	Validate Signals Intelligence (SIGINT) support packages

Job Title

Tactical Language Operator

Job Code

001027

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Arts, Design, Entertainment, Sports, and Media	TBD	TACTICAL LANGUAGE OPERATOR	TAC LANG OPR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTI	NEC CXXX series and other NECs as assigned

Job Description

Tactical Language Operators utilize and supervise the use of signals collection equipment and systems to provide Indications and Warning (I&W) support to Fleet and Combatant Commanders; collect, analyze, identify and geolocate target communications and infrastructure; translate, transcribe, summarize and report on target foreign language communications in real-time; provide Quality Assurance (QA) on information products; advise leadership on regional and cultural factors that impact mission operations; perform target development; and protect sensitive methods and sources.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Analysis	123200	Interpreters and Translators	27-3091.00	Arts, Design, Entertainment, Sports, and Media

Skills	Abilities
Critical Thinking	*Information Ordering*
Judgment and Decision Making	*Deductive Reasoning*
Active Learning	*Inductive Reasoning*
Operations Analysis	*Problem Sensitivity*
Writing	*Written Expression*
Complex Problem Solving	*Speed of Closure*
Coordination	*Category Flexibility*
Quality Control Analysis	*Memorization*
Reading Comprehension	*Oral Expression*
Systems Analysis	*Perceptual Speed*

COLLECTION OPERATIONS

Paygrade	Task Type	Task Statements
E7	NON-CORE	Adjust collection plans (e.g., Direct Support Element (DSE) supervisor, Tactical Information Operations (TIO) Analyst, etc.)
E6	CORE	Advise platform commanders on Courses of Action (COA)
E4	CORE	Analyze signal fundamentals and radio wave theory
E4	CORE	Apply collection sources and techniques
E4	CORE	Assess collection gaps
E5	NON-CORE	Assist in Unmanned Systems (UxS) operations
E6	CORE	Conduct pre-operational checks of organic collection equipment
E4	CORE	Configure collection systems (e.g., Radio Frequency (RF), metadata, etc.)
E7	CORE	Construct technical mission plans compatible with onboard collection systems
E5	CORE	Coordinate target location operations (e.g., geolocation, Direction Finding (DF), etc.)
E6	CORE	Deliver organic collection data from platform to United States Signals Intelligence (SIGINT) System (USSS)
E4	CORE	Detect collection anomalies
E4	CORE	Initialize collection systems
E7	CORE	Manage Distributed Signals Intelligence (SIGINT) Operations (DSO)
E5	CORE	Manage selector taskings
E5	CORE	Operate platform-specific collection equipment

COLLECTION OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Optimize collection systems
E4	CORE	Perform Distributed Signals Intelligence (SIGINT) Operations (DSO)
E4	CORE	Perform remote sensor operations
E5	CORE	Perform survey operations
E6	CORE	Process collection requirements (i.e., Collection Requirement Number (CRN) development)
E6	CORE	Provide corrective actions for collection anomalies
E6	CORE	Provide input to Cryptologic Coverage Plans (CCP)
E6	CORE	Recommend platform disposition to optimize Signals Intelligence (SIGINT) collection
E4	CORE	Report collection anomalies
E4	CORE	Submit selectors for tasking
E6	CORE	Supervise cryptologic missions
E6	CORE	Troubleshoot organic collection equipment
E7	CORE	Validate Collection Management Authority (CMA) requirements

INTELLIGENCE DISSEMINATION AND REPORTING

Paygrade	Task Type	Task Statements
E4	CORE	Annotate special dissemination controls
E4	CORE	Brief intelligence information
E4	CORE	Collaborate with other analysts on end products
E4	CORE	Communicate Critical Intelligence Communications (CRITIC) information
E6	CORE	Coordinate special dissemination controls
E6	CORE	Coordinate with foreign entities (e.g., intelligence agencies, law enforcement, government institutions, corporations, etc.)
E4	CORE	Distribute time-sensitive alerts
E5	CORE	Draft Critical Intelligence Communications (CRITIC) messages
E5	NON-CORE	Draft post-mission products
E4	CORE	Draft Signals Intelligence (SIGINT) reports
E4	CORE	Draft time-sensitive reports
E5	NON-CORE	Maintain Common Operational Picture (COP)
E6	CORE	Manage Signals Intelligence (SIGINT) reporting
E4	CORE	Map information flow within the Intelligence Cycle
E5	CORE	Perform Quality Assurance (QA) of Signals Intelligence (SIGINT) reports
E4	CORE	Provide Indications and Warning (I&W)
E5	CORE	Provide input to operational intelligence products (e.g., threat assessments, briefings, intelligence studies, etc.)
E4	CORE	Provide input to Requests for Information (RFI) responses
E4	CORE	Report Essential Elements of Information (EEI)
E4	CORE	Report potential threats
E6	NON-CORE	Submit priority recommendations to support Commanders Critical Information Requirements (CCIR)
E7	CORE	Supervise Critical Intelligence Communications (CRITIC) reporting programs

INTELLIGENCE DISSEMINATION AND REPORTING (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Validate Critical Intelligence Communications (CRITIC) messages

LANGUAGE ANALYSIS AND PROCESSING

Paygrade	Task Type	Task Statements
E4	CORE	Analyze content
E4	CORE	Articulate fundamental concepts related to Human Language Technologies (HLT)
E5	CORE	Assess regional and cultural factors that impact mission operations
E4	CORE	Determine regional and cultural factors that impact mission operations
E4	CORE	Determine reporting criteria (e.g., geopolitical relevance, strategic relevance, anomalous activity, threat levels, etc.)
E5	NON-CORE	Develop language instructional materials
E4	CORE	Employ language processing tools
E4	CORE	Evaluate Signals of Interest (SOI)
E5	CORE	Integrate Human Language Technology (HLT) into language analysis workflow
E5	CORE	Perform Quality Assurance (QA) of Interagency Language Roundtable (ILR) Level 2 language products
E6	CORE	Perform Quality Assurance (QA) of Interagency Language Roundtable (ILR) Level 2+ language products
E7	CORE	Perform Quality Assurance (QA) of Interagency Language Roundtable (ILR) Level 3 language products
E5	CORE	Perform Quality Assurance (QA) of language-related content in reports
E5	CORE	Prioritize data for processing
E4	CORE	Process Interagency Language Roundtable (ILR) Level 2 target language material
E5	CORE	Process Interagency Language Roundtable (ILR) Level 2+ target language material
E6	CORE	Process Interagency Language Roundtable (ILR) Level 3 target language material
E6	NON-CORE	Provide global language instruction
E6	CORE	Provide input to Battle Damage Assessments (BDA)
E4	CORE	Provide near real-time/real-time language analysis
E4	CORE	Provide technical language input to mission planning
E6	CORE	Provide technical language instruction
E4	CORE	Report non-target languages or dialects
E4	CORE	Select software-based analysis tools

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze roles, relationships, and responsibilities of elements of the Intelligence Community (IC)
E4	CORE	Apply Information Assurance (IA) fundamentals (i.e., confidentiality, integrity, availability, authentication, non-repudiation)
E4	CORE	Apply Information Security (INFOSEC) fundamentals (i.e., classifying and safeguarding classified National security information)
E4	CORE	Apply Intelligence Oversight (IO) fundamentals (e.g., protection of United States (U.S.) persons, Executive Order 12333, reporting, training, etc.)
E4	CORE	Apply provisions of the Foreign Intelligence Surveillance Act (FISA)

SECURITY AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Apply provisions of the United States Signals Intelligence Directives (USSID)
E6	CORE	Audit logical queries (e.g., Boolean, structured, etc.)
E6	CORE	Conduct cryptologic training exercises
E4	CORE	Control access to restricted areas
E7	CORE	Coordinate augmentation teams for deployment support
E6	CORE	Coordinate cryptologic missions
E5	CORE	Coordinate language skill maintenance
E4	CORE	Determine relevant information about the United States Signals Intelligence (SIGINT) System (USSS)
E7	CORE	Direct resources to meet mission requirements
E7	NON-CORE	Draft cryptologic operational policies and procedures
E7	CORE	Implement Emergency Destruction Plan (EDP)
E6	NON-CORE	Manage Intelligence Oversight (IO)
E6	NON-CORE	Manage language training requirements
E7	CORE	Manage operational assessment programs
E4	CORE	Perform pre-targeting compliance checks
E4	CORE	Protect Sensitive Compartmented Information (SCI) material
E5	CORE	Submit incident reports
E4	CORE	Transport Sensitive Compartmented Information (SCI) material

TARGET DEVELOPMENT AND EXPLOITATION

Paygrade	Task Type	Task Statements
E4	CORE	Access target technical information (e.g., technical kits, databases, working aids, etc.)
E5	NON-CORE	Analyze Command, Control, Communications, Computers, Combat Systems, Intelligence, Surveillance, Reconnaissance, and Target (C5ISRT) networks for critical nodes
E4	CORE	Analyze communication networks
E4	CORE	Analyze communication systems characteristics
E4	CORE	Analyze metadata
E5	CORE	Analyze target critical capabilities and vulnerabilities
E5	CORE	Analyze target tactics and methodologies (i.e., Tactics, Techniques, and Procedures (TTP))
E5	CORE	Analyze target threat capabilities
E4	CORE	Apply target tactics and methodologies (e.g., Tactics, Techniques, and Procedures (TTP), etc.)
E6	NON-CORE	Assess effectiveness of analysis tools
E5	NON-CORE	Assess effects of Operations in the Information Environment (OIE)
E4	NON-CORE	Assess situational data from Common Operational Picture (COP)
E4	CORE	Collaborate with other analysts on technical information
E5	CORE	Conduct Intelligence Preparation of the Operational Environment (IPOE)
E4	CORE	Construct logical queries (e.g., Boolean, structured, etc.)

TARGET DEVELOPMENT AND EXPLOITATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Determine communication network topography (e.g., hierarchy, base station, out station, etc.)
E4	CORE	Determine communication systems characteristics
E4	CORE	Determine digital network communications characteristics
E6	CORE	Determine intelligence gaps
E4	CORE	Determine location using geographic coordinates (e.g., Military Grid Reference System (MGRS), World Geographic Reference (GEOREF), etc.)
E5	CORE	Determine regional and cultural factors that influence target development
E4	CORE	Determine target capabilities
E4	CORE	Determine target location (e.g., geolocation, Direction Finding (DF), etc.)
E4	CORE	Determine telephony characteristics
E6	NON-CORE	Develop target packages (e.g., kinetic strikes, cyber effects, etc.)
E5	CORE	Develop target profiles
E5	CORE	Develop target technical information (e.g., technical kits, databases, working aids, etc.)
E5	NON-CORE	Draft Requests for Information (RFI)
E4	CORE	Evaluate target data using software-based analysis tools
E4	CORE	Implement principles of Signals Intelligence (SIGINT) Development (SIGDEV)
E6	NON-CORE	Integrate targeting efforts with other organizations and combatant commands
E4	CORE	Maintain target profiles
E5	CORE	Maintain technical databases
E4	CORE	Map communication networks
E5	CORE	Perform all-source research
E5	CORE	Perform fusion analysis
E5	CORE	Perform Signals Intelligence (SIGINT) Development (SIGDEV)
E4	NON-CORE	Perform Signals Intelligence (SIGINT) Geospatial Analysis (SGA)
E5	CORE	Perform target development
E5	CORE	Perform trend/Pattern of Life (POL) analysis
E5	CORE	Provide input to battlespace environment evaluations
E6	NON-CORE	Provide input to Intelligence Gain/Loss (IGL) assessments
E5	NON-CORE	Provide input to Signals Intelligence (SIGINT) support packages
E4	CORE	Provide intelligence support to operations
E5	NON-CORE	Provide target nomination recommendations
E6	CORE	Supervise target activity analysis
E5	NON-CORE	Support remote access operations
E4	CORE	Update technical databases
E5	CORE	Validate intelligence sources
E7	NON-CORE	Validate Signals Intelligence (SIGINT) support packages
E7	NON-CORE	Validate target packages (e.g., kinetic strikes, cyber effects, etc.)

Job Title

Cyber Language Analyst

Job Code

002683

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Arts, Design, Entertainment, Sports, and Media	TBD	CYBER LANGUAGE ANALYST	CYBER LANG ANL

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTI	NEC CXXX series and other NECs as assigned

Job Description

Cyber Language Analysts conduct and supervise language analysis in support of offensive and defensive cyberspace operations to meet National, Joint, Fleet, and Combatant Commander requirements; gist, transcribe, translate, summarize, analyze, and report foreign language communications and digital network information to support exploitation of target networks and critical infrastructure; provide Quality Assurance (QA) on intelligence products; perform cyberspace target development, exploitation analysis, network mapping, forensic analysis, and discovery; advise leadership on regional and cultural factors that impact cyberspace operations; and protect sensitive methods and sources.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Analysis	123200	Interpreters and Translators	27-3091.00	Arts, Design, Entertainment, Sports, and Media

Skills	Abilities
Critical Thinking	*Information Ordering*
Judgment and Decision Making	*Deductive Reasoning*
Active Learning	*Inductive Reasoning*
Operations Analysis	*Problem Sensitivity*
Writing	*Written Expression*
Complex Problem Solving	*Speed of Closure*
Coordination	*Category Flexibility*
Quality Control Analysis	*Memorization*
Reading Comprehension	*Oral Expression*
Systems Analysis	*Perceptual Speed*

COLLECTION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze signal fundamentals and radio wave theory
E4	CORE	Apply collection sources and techniques
E5	CORE	Assess collection gaps
E4	CORE	Detect collection anomalies
E5	CORE	Manage selector taskings
E5	CORE	Perform survey operations
E6	CORE	Process collection requirements (i.e., Collection Requirement Number (CRN) development)
E6	CORE	Provide corrective actions for collection anomalies
E4	CORE	Report collection anomalies
E4	CORE	Submit selectors for tasking

INTELLIGENCE DISSEMINATION AND REPORTING

Paygrade	Task Type	Task Statements
E4	CORE	Annotate special dissemination controls
E4	CORE	Brief intelligence information
E4	CORE	Collaborate with other analysts on end products
E4	CORE	Communicate Critical Intelligence Communications (CRITIC) information
E6	CORE	Coordinate special dissemination controls

INTELLIGENCE DISSEMINATION AND REPORTING (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate with foreign entities (e.g., intelligence agencies, law enforcement, government institutions, corporations, etc.)
E5	CORE	Draft Critical Intelligence Communications (CRITIC) messages
E5	NON-CORE	Draft post-mission products
E4	CORE	Draft Signals Intelligence (SIGINT) reports
E6	CORE	Manage Signals Intelligence (SIGINT) reporting
E4	CORE	Map information flow within the Intelligence Cycle
E5	CORE	Perform Quality Assurance (QA) of Signals Intelligence (SIGINT) reports
E6	CORE	Provide input into cyberspace operations reporting
E5	CORE	Provide input to operational intelligence products (e.g., threat assessments, briefings, intelligence studies, etc.)
E4	CORE	Provide input to Requests for Information (RFI) responses
E4	CORE	Report Essential Elements of Information (EEI)
E4	CORE	Report potential threats
E6	NON-CORE	Submit priority recommendations to support Commanders Critical Information Requirements (CCIR)
E7	CORE	Supervise Critical Intelligence Communications (CRITIC) reporting programs
E6	CORE	Validate Critical Intelligence Communications (CRITIC) messages

LANGUAGE ANALYSIS AND PROCESSING

Paygrade	Task Type	Task Statements
E5	CORE	Advise on cyber adversary defense posture
E4	CORE	Analyze content
E4	CORE	Articulate fundamental concepts related to Human Language Technologies (HLT)
E5	CORE	Assess regional and cultural factors that impact mission operations
E4	CORE	Determine regional and cultural factors that impact mission operations
E4	CORE	Determine reporting criteria (e.g., geopolitical relevance, strategic relevance, anomalous activity, threat levels, etc.)
E5	NON-CORE	Develop language instructional materials
E4	CORE	Employ language processing tools
E4	CORE	Evaluate Signals of Interest (SOI)
E5	CORE	Integrate Human Language Technology (HLT) into language analysis workflow
E5	CORE	Perform Quality Assurance (QA) of Interagency Language Roundtable (ILR) Level 2 language products
E6	CORE	Perform Quality Assurance (QA) of Interagency Language Roundtable (ILR) Level 2+ language products
E7	CORE	Perform Quality Assurance (QA) of Interagency Language Roundtable (ILR) Level 3 language products
E5	CORE	Perform Quality Assurance (QA) of language-related content in reports
E5	CORE	Prioritize data for processing
E4	CORE	Process Interagency Language Roundtable (ILR) Level 2 target language material
E5	CORE	Process Interagency Language Roundtable (ILR) Level 2+ target language material
E6	CORE	Process Interagency Language Roundtable (ILR) Level 3 target language material

LANGUAGE ANALYSIS AND PROCESSING (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Provide global language instruction
E6	CORE	Provide input to Battle Damage Assessments (BDA)
E4	CORE	Provide near real-time/real-time language analysis
E4	CORE	Provide technical language input to mission planning
E6	CORE	Provide technical language instruction
E4	CORE	Report non-target languages or dialects
E4	CORE	Select software-based analysis tools
E6	CORE	Validate cyber adversary defense posture

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze roles, relationships, and responsibilities of elements of the Intelligence Community (IC)
E4	CORE	Apply Information Assurance (IA) fundamentals (i.e., confidentiality, integrity, availability, authentication, non-repudiation)
E4	CORE	Apply Information Security (INFOSEC) fundamentals (i.e., classifying and safeguarding classified National security information)
E4	CORE	Apply Intelligence Oversight (IO) fundamentals (e.g., protection of United States (U.S.) persons, Executive Order 12333, reporting, training, etc.)
E4	CORE	Apply provisions of the Foreign Intelligence Surveillance Act (FISA)
E4	CORE	Apply provisions of the United States Signals Intelligence Directives (USSID)
E6	CORE	Audit logical queries (e.g., Boolean, structured, etc.)
E6	CORE	Conduct cryptologic training exercises
E4	CORE	Control access to restricted areas
E6	CORE	Coordinate cryptologic missions
E5	CORE	Coordinate language skill maintenance
E4	CORE	Determine relevant information about the United States Signals Intelligence (SIGINT) System (USSS)
E7	CORE	Direct resources to meet mission requirements
E7	NON-CORE	Draft cyberspace operations policies and procedures
E7	NON-CORE	Draft policies and procedures in support of cyberspace operations
E7	CORE	Implement Emergency Destruction Plan (EDP)
E6	NON-CORE	Manage Intelligence Oversight (IO)
E6	NON-CORE	Manage language training requirements
E7	CORE	Manage operational assessment programs
E4	CORE	Perform pre-targeting compliance checks
E4	CORE	Protect Sensitive Compartmented Information (SCI) material
E5	CORE	Submit incident reports
E4	CORE	Transport Sensitive Compartmented Information (SCI) material

TARGET DEVELOPMENT AND EXPLOITATION

Paygrade	Task Type	Task Statements
E4	CORE	Access target technical information (e.g., technical kits, databases, working aids, etc.)
E5	NON-CORE	Analyze Command, Control, Communications, Computers, Combat Systems, Intelligence, Surveillance, Reconnaissance, and Target (C5ISRT) networks for critical nodes
E4	CORE	Analyze communication networks
E4	CORE	Analyze communication systems characteristics
E4	CORE	Analyze metadata
E5	CORE	Analyze target critical capabilities and vulnerabilities
E5	CORE	Analyze target tactics and methodologies (i.e., Tactics, Techniques, and Procedures (TTP))
E5	CORE	Analyze target threat capabilities
E4	CORE	Apply target tactics and methodologies (e.g., Tactics, Techniques, and Procedures (TTP), etc.)
E5	CORE	Assess computer network exploitation opportunities
E6	NON-CORE	Assess effectiveness of analysis tools
E5	NON-CORE	Assess effects of Operations in the Information Environment (OIE)
E4	CORE	Collaborate with other analysts on technical information
E5	CORE	Conduct Intelligence Preparation of the Operational Environment (IPOE)
E4	CORE	Construct logical queries (e.g., Boolean, structured, etc.)
E5	CORE	Coordinate cyberspace missions
E6	CORE	Coordinate exploitation of access vectors for networks of interest
E6	NON-CORE	Determine capabilities of cyber assets relevant to specific target area
E4	CORE	Determine communication network topography (e.g., hierarchy, base station, out station, etc.)
E4	CORE	Determine communication systems characteristics
E4	CORE	Determine digital network communications characteristics
E6	CORE	Determine intelligence gaps
E4	CORE	Determine location using geographic coordinates (e.g., Military Grid Reference System (MGRS), World Geographic Reference (GEOREF), etc.)
E5	CORE	Determine regional and cultural factors that influence target development
E5	NON-CORE	Determine software and hardware vulnerabilities
E4	CORE	Determine target capabilities
E4	CORE	Determine target location (e.g., geolocation, Direction Finding (DF), etc.)
E4	CORE	Determine telephony characteristics
E6	NON-CORE	Develop target packages (e.g., kinetic strikes, cyber effects, etc.)
E5	CORE	Develop target profiles
E5	CORE	Develop target technical information (e.g., technical kits, databases, working aids, etc.)
E5	NON-CORE	Draft Requests for Information (RFI)
E5	CORE	Enable cyberspace exploitation operations
E4	CORE	Evaluate target data using software-based analysis tools

TARGET DEVELOPMENT AND EXPLOITATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Implement principles of Signals Intelligence (SIGINT) Development (SIGDEV)
E6	CORE	Initialize cyberspace exploitation operations
E6	NON-CORE	Integrate targeting efforts with other organizations and combatant commands
E4	CORE	Maintain target profiles
E5	CORE	Maintain technical databases
E4	CORE	Map communication networks
E5	CORE	Perform all-source research
E5	CORE	Perform digital network analysis
E5	CORE	Perform fusion analysis
E5	CORE	Perform logical network analysis
E5	CORE	Perform Signals Intelligence (SIGINT) Development (SIGDEV)
E4	NON-CORE	Perform Signals Intelligence (SIGINT) Geospatial Analysis (SGA)
E5	CORE	Perform target development
E5	CORE	Perform trend/Pattern of Life (POL) analysis
E6	CORE	Produce reconstruction of logical networks
E6	NON-CORE	Provide input to Intelligence Gain/Loss (IGL) assessments
E5	NON-CORE	Provide input to Signals Intelligence (SIGINT) support packages
E4	CORE	Provide intelligence support to operations
E5	NON-CORE	Provide target nomination recommendations
E6	NON-CORE	Supervise cyberspace missions
E6	CORE	Supervise digital network analysis
E6	CORE	Supervise logical network analysis
E6	CORE	Supervise target activity analysis
E5	NON-CORE	Support remote access operations
E4	CORE	Update technical databases
E5	CORE	Validate intelligence sources
E7	NON-CORE	Validate target packages (e.g., kinetic strikes, cyber effects, etc.)

CHAPTER 20

CRYPTOLOGIC TECHNICIAN (MAINTENANCE) (CTM)

NAVPERS 18068-20M
Change 93

Updated: January 2023

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

CRYPTOLOGIC TECHNICIAN (MAINTENANCE) (CTM)

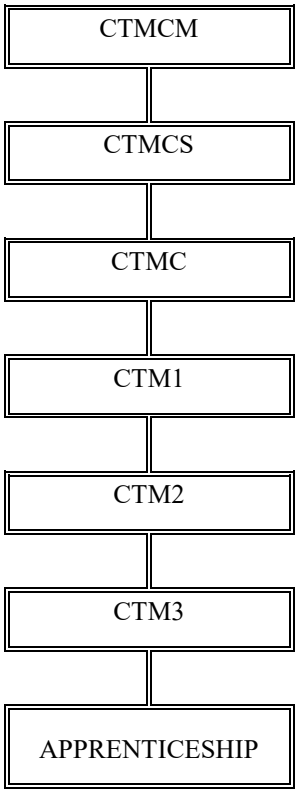
SCOPE OF RATING

Cryptologic Technicians (Maintenance) (CTM) maintain, configure, and install intelligence, tactical cryptologic and ancillary systems used to conduct Information and Cyberspace Operations; design, install, test, certify, troubleshoot, and repair or replace: tactical cryptologic systems, physical security systems, electrical and electronic equipment, antennas, computer systems, networks, and ancillary equipment; implement Information Assurance (IA) policy; manage organizational level maintenance; coordinate repair of command, control, communications, computer, intelligence, surveillance and reconnaissance systems in support of surface, subsurface, air, special warfare, and national consumers.

This Occupational Standard is being incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 20.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Cryptologic Systems Maintenance Technician 001035

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	CRYPTO SYSTEM MAINT TECHNICIAN	C SYS MNT TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTM	NEC CXXX Series and other NECs as assigned

Job Description

Cryptologic Systems Maintenance Technicians maintain and configure Tactical Cryptologic Systems (TCS) in support of Information and Cyberspace Operations worldwide to Navy, National Security Agency (NSA), and Department of Defense (DoD) for National and theater level missions; perform organizational level maintenance on cryptographic and cryptologic systems, antennas, ancillary equipment, and communication devices; configure, test, and maintain servers and network components; perform operational testing and certification requirements for cryptographic, cryptologic, and Sensitive Compartmented Information Facility (SCIF) physical security equipment supporting Fleet and National operations.

DoD Relationship

Group Title	*DoD Code*
Navigation, Communication, and Countermeasure, N.E.C.	110200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094.00	Installation, Maintenance, and Repair

Skills	Abilities
Operation and Control	*Problem Sensitivity*
Equipment Maintenance	*Information Ordering*
Systems Analysis	*Written Comprehension*
Equipment Selection	*Deductive Reasoning*
Critical Thinking	*Inductive Reasoning*
Installation	*Manual Dexterity*
Systems Evaluation	*Finger Dexterity*
Repairing	*Selective Attention*
Reading Comprehension	*Extent Flexibility*
Operation Monitoring	*Oral Expression*

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure communication circuits
E4	NON-CORE	Configure telephone switches
E4	CORE	Inspect communication systems
E4	CORE	Maintain communication signal cables
E4	CORE	Maintain communications infrastructure for data exfiltration
E4	CORE	Repair communication circuits
E4	CORE	Repair communication signal cables
E4	NON-CORE	Repair cryptographic equipment
E4	CORE	Test communication circuits
E4	CORE	Troubleshoot communication circuits
E4	NON-CORE	Troubleshoot cryptographic equipment

CRYPTOLOGIC ELECTRONIC MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Analyze test equipment results
E4	CORE	Configure Tactical Cryptologic Systems (TCS) hardware
E4	CORE	Detect Electromagnetic Interference (EMI)
E5	CORE	Groom collection systems
E5	CORE	Groom Radio Frequency (RF) path
E4	CORE	Initialize cryptologic equipment
E4	CORE	Inspect antenna weatherization and bonding
E4	CORE	Inspect tactical cryptologic equipment
E4	CORE	Install field changes
E4	CORE	Maintain ancillary Tactical Cryptologic Systems (TCS)
E4	CORE	Maintain antenna systems
E4	CORE	Maintain cryptologic carry-on systems
E4	CORE	Maintain cryptologic computer equipment
E4	CORE	Maintain Information Operation (IO) antenna systems
E4	CORE	Maintain Information Operation (IO) capabilities on Tactical Cryptologic Systems (TCS)
E4	CORE	Maintain tactical cryptologic Radio Frequency (RF) distribution system
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E5	CORE	Repair antenna systems
E4	CORE	Repair cryptologic carry-on systems and peripheral equipment
E4	CORE	Repair Tactical Cryptologic Systems (TCS) and peripheral equipment
E4	CORE	Restore Tactical Cryptologic Systems (TCS)
E4	CORE	Shutdown cryptologic equipment
E4	CORE	Survey Radio Frequency (RF) Spectrum
E4	CORE	Test cryptologic equipment operations
E4	CORE	Test Radio Frequency (RF) distribution system
E4	CORE	Troubleshoot cryptologic carry-on systems and peripheral equipment
E4	CORE	Troubleshoot Tactical Cryptologic Systems (TCS) and peripheral equipment
E4	CORE	Validate test equipment functionality
E4	CORE	Validate test equipment requirements

CRYPTOLOGIC MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	CORE	Audit onboard repair parts requirements
E4	CORE	Inventory cryptologic carry-on maintenance assets
E5	CORE	Update station drawings
E6	CORE	Validate maintenance documents

CRYPTOLOGIC MAINTENANCE MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate Combat Systems Training Team (CSTT) scenarios
E6	CORE	Develop Combat Systems Training Team (CSTT) scenarios
E6	CORE	Manage logistic support
E6	CORE	Supervise electronic systems maintenance

CRYPTOLOGIC SYSTEMS SUPPORT

Paygrade	Task Type	Task Statements
E5	CORE	Optimize precision geolocation operations
E4	CORE	Perform characterization of the electronic environment
E5	NON-CORE	Perform signals collections

GENERAL INSTALLATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze schematic diagrams
E4	CORE	Fabricate cabling terminations (e.g., Radio Frequency (RF), network, power, etc.)
E4	CORE	Fabricate electronic systems cables (e.g., fiber, Radio Frequency (RF), etc.)
E6	CORE	Inspect equipment installations
E4	NON-CORE	Install minor scope projects
E4	CORE	Install tactical cryptologic antenna systems
E4	NON-CORE	Remove minor scope projects
E4	CORE	Validate cable standards

INFORMATION ASSURANCE

Paygrade	Task Type	Task Statements
E4	CORE	Implement Information Assurance (IA) security controls
E5	CORE	Implement Information Assurance Vulnerability Alert (IAVA) procedures
E4	CORE	Maintain audit logs
E5	CORE	Perform Data Transfer Agent (DTA)/Authorized Transfer Agent (ATA) functions
E4	CORE	Perform Information Assurance Training (IAT) level 1 system Admin functions
E5	CORE	Perform Information Assurance Training (IAT) level 2 system Admin functions
E6	CORE	Perform System Operation Verification Test (SOVT)

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Control restricted area access
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E6	CORE	Implement Emergency Action Plans (EAP)
E4	NON-CORE	Install locking mechanisms
E4	CORE	Install physical security equipment
E4	CORE	Perform Emergency Action Plans (EAP)

SECURITY AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Protect Crypto Management System (CMS)/Key Management Infrastructure (KMI) materials
E4	CORE	Protect Sensitive Compartmented Information (SCI) material
E4	NON-CORE	Remove locking mechanisms
E4	CORE	Remove physical security equipment
E4	NON-CORE	Repair electronic security systems
E4	NON-CORE	Repair locking mechanisms
E4	CORE	Report Sensitive Compartmented Information Facility (SCIF) accreditation discrepancies
E4	CORE	Store Sensitive Compartmented Information (SCI) material
E4	CORE	Transport Sensitive Compartmented Information (SCI) material
E4	NON-CORE	Troubleshoot electronic security systems
E4	NON-CORE	Troubleshoot locking mechanisms
E6	CORE	Verify Sensitive Compartmented Information Facility (SCIF) accreditation

SENSITIVE COMPARTMENTED INFORMATION (SCI) SYSTEMS/NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Backup cryptologic systems information
E4	CORE	Configure computer applications
E4	CORE	Configure computer Operating Systems (OS) software
E4	CORE	Configure network hardware
E4	CORE	Configure network software
E5	CORE	Cross-check network performance
E4	CORE	Install certificates (e.g., security, system, etc.)
E4	CORE	Install computer applications
E4	CORE	Install computer Operating Systems (OS) software
E4	CORE	Install network software
E4	CORE	Maintain computer file systems
E4	CORE	Maintain network systems
E4	CORE	Maintain remote computer files
E4	CORE	Maintain system domain accounts
E5	CORE	Modify computer shell scripts
E4	CORE	Perform network systems integration
E4	CORE	Remove computer applications
E4	CORE	Remove computer Operating Systems (OS) software
E4	CORE	Remove network software
E4	CORE	Repair network components
E4	CORE	Restore computer data from backups
E4	CORE	Start computer shell scripts
E4	CORE	Test systems networks

SENSITIVE COMPARTMENTED INFORMATION (SCI) SYSTEMS/NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot computer applications
E4	CORE	Troubleshoot computer Operating Systems (OS) software
E4	CORE	Troubleshoot network components

Job Title **Job Code**

Cryptologic Systems Maintenance Director 001040

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	CRYPTO SYSTEM MAINT DIRECTOR	C SYS MNT DIR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTM	NEC CXXX Series and other NECs as assigned

Job Description

Cryptologic Systems Maintenance Directors manage and coordinate the installation and maintenance of Tactical Cryptologic Systems (TCS), cryptologic carry-on systems, and cryptologic network systems in support of Information and Cyberspace Operations worldwide for Navy, National Security Agency (NSA), and Department of Defense (DoD) requirements; and support deployment schedules, installation planning, logistics, resource allocation, and fiscal analysis associated with Fleet and National operations.

DoD Relationship

Group Title	*DoD Code*
Navigation, Communication, and Countermeasure, N.E.C.	110200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Mechanics, Installers, and Repairers	49-1011.00	Installation, Maintenance, and Repair

Skills	Abilities
Management of Material Resources	*Information Ordering*
Quality Control Analysis	*Written Comprehension*
Critical Thinking	*Oral Expression*
Reading Comprehension	*Problem Sensitivity*
Systems Evaluation	*Inductive Reasoning*
Coordination	*Deductive Reasoning*
Monitoring	*Selective Attention*
Equipment Selection	*Written Expression*
Writing	*Fluency of Ideas*
Installation	*Time Sharing*

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Inspect communication systems

CRYPTOLOGIC ELECTRONIC MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Analyze test equipment results
E5	NON-CORE	Fabricate tactical antenna systems
E4	CORE	Inspect antenna weatherization and bonding
E4	CORE	Inspect tactical cryptologic equipment

CRYPTOLOGIC MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	CORE	Audit onboard repair parts requirements
E6	CORE	Audit station drawings
E7	CORE	Manage Electrostatic Discharge (ESD) programs
E5	CORE	Perform cryptologic carry-on systems training
E7	CORE	Validate Integrated Logistic Support (ILS) documentation
E6	CORE	Validate maintenance documents

CRYPTOLOGIC MAINTENANCE MANAGEMENT

Paygrade	Task Type	Task Statements
E7	CORE	Analyze maintenance trends
E7	CORE	Determine direct support personnel augmentation
E7	CORE	Manage cryptologic carry-on and Tactical Cryptologic Systems (TCS)
E7	CORE	Manage cryptologic carry-on and Tactical Cryptologic Systems (TCS) training
E7	CORE	Manage equipment maintenance
E6	CORE	Manage logistic support
E6	CORE	Supervise electronic systems maintenance
E7	CORE	Validate acceptance testing programs
E7	CORE	Validate equipment maintenance
E6	CORE	Validate minimum equipment requirements

GENERAL INSTALLATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze schematic diagrams
E7	CORE	Approve installation plans
E5	CORE	Conduct installation site surveys
E6	CORE	Coordinate installation plans
E6	CORE	Coordinate installation site surveys
E6	CORE	Inspect equipment installations
E7	CORE	Perform tactical cryptologic electronic equipment installation Quality Assurance (QA)

INFORMATION ASSURANCE

Paygrade	Task Type	Task Statements
E5	CORE	Maintain Information Assurance (IA) accreditation requirements
E7	NON-CORE	Manage Information Assurance (IA) acceptance requirements
E6	CORE	Perform System Operation Verification Test (SOVT)
E7	CORE	Validate information systems accreditation packages

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Control restricted area access
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E6	CORE	Implement Emergency Action Plans (EAP)
E4	CORE	Perform Emergency Action Plans (EAP)
E4	CORE	Protect Sensitive Compartmented Information (SCI) material
E4	CORE	Report Sensitive Compartmented Information Facility (SCIF) accreditation discrepancies
E4	CORE	Store Sensitive Compartmented Information (SCI) material
E4	CORE	Transport Sensitive Compartmented Information (SCI) material
E6	CORE	Verify Sensitive Compartmented Information Facility (SCIF) accreditation

SENSITIVE COMPARTMENTED INFORMATION (SCI) SYSTEMS/NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Cross-check network performance
E4	CORE	Install certificates (e.g., security, system, etc.)
E6	CORE	Manage network systems integration

Job Title **Job Code**

Cryptologic Systems Installation Technician 002729

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	CRYPTO SYSTEM INSTAL TECH	C SYS INST TEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTM	NEC CXXX Series and other NECs as assigned

Job Description

Cryptologic Systems Installation Technicians install, certify, and maintain cryptologic carry-on systems and cryptologic network systems in support of Information and Cyberspace Operations worldwide for Navy, National Security Agency (NSA), and Department of Defense (DoD) requirements; identify, develop, and implement architecture and infrastructure design; ensure network system integrity, and information assurance compliance; perform network configuration, network engineering, Radio Frequency (RF) grooming, antenna maintenance, circuit design and activation; read, develop, and verify schematic drawings; install cable transport, telecommunications, electrical wiring, cables, and termination; conduct site surveys and equipment training, equipment removal/modifications, and logistical support; track equipment movement; perform operational testing and certification requirements for cryptographic, cryptologic, and Sensitive Compartmented Information Facility (SCIF) physical security equipment supporting Fleet and National operations.

DoD Relationship

Group Title	*DoD Code*
Navigation, Communication, and Countermeasure, N.E.C.	110200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094.00	Installation, Maintenance, and Repair

Skills	Abilities
Operation and Control	*Information Ordering*
Equipment Maintenance	*Written Comprehension*
Installation	*Problem Sensitivity*
Critical Thinking	*Deductive Reasoning*
Systems Analysis	*Manual Dexterity*
Equipment Selection	*Inductive Reasoning*
Systems Evaluation	*Extent Flexibility*
Coordination	*Selective Attention*
Reading Comprehension	*Finger Dexterity*
Operation Monitoring	*Dynamic Flexibility*

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure communication circuits
E4	NON-CORE	Configure telephone switches
E5	CORE	Establish communications infrastructure for data exfiltration
E4	CORE	Inspect communication systems
E4	CORE	Maintain communication signal cables
E4	CORE	Maintain communications infrastructure for data exfiltration
E4	CORE	Repair communication circuits
E4	CORE	Repair communication signal cables
E4	CORE	Test communication circuits
E4	CORE	Troubleshoot communication circuits
E4	NON-CORE	Troubleshoot cryptographic equipment

CRYPTOLOGIC ELECTRONIC MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Analyze test equipment results
E5	NON-CORE	Assemble collection equipment (Commercial Off The Shelf/Government Off The Shelf (COTS/GOTS))
E4	CORE	Detect Electromagnetic Interference (EMI)
E5	NON-CORE	Fabricate tactical antenna systems
E5	CORE	Groom collection systems
E5	CORE	Groom Radio Frequency (RF) path
E4	CORE	Initialize cryptologic equipment
E4	CORE	Inspect antenna weatherization and bonding
E4	CORE	Inspect tactical cryptologic equipment
E4	CORE	Install field changes
E4	CORE	Maintain cryptologic carry-on systems
E4	CORE	Maintain cryptologic computer equipment
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E5	CORE	Repair antenna systems
E4	CORE	Repair cryptologic carry-on systems and peripheral equipment
E4	CORE	Shutdown cryptologic equipment
E4	CORE	Survey Radio Frequency (RF) Spectrum
E4	CORE	Test cryptologic equipment operations
E4	CORE	Test Radio Frequency (RF) distribution system
E4	CORE	Troubleshoot cryptologic carry-on systems and peripheral equipment
E4	CORE	Validate test equipment functionality
E4	CORE	Validate test equipment requirements

CRYPTOLOGIC MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	CORE	Audit onboard repair parts requirements
E4	CORE	Inventory cryptologic carry-on maintenance assets
E5	CORE	Perform cryptologic carry-on systems training
E5	CORE	Update station drawings
E6	CORE	Validate maintenance documents

CRYPTOLOGIC MAINTENANCE MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Manage logistic support
E6	CORE	Supervise electronic systems maintenance

CRYPTOLOGIC SYSTEMS SUPPORT

Paygrade	Task Type	Task Statements
E5	CORE	Optimize precision geolocation operations
E4	CORE	Perform characterization of the electronic environment
E5	NON-CORE	Perform electronic counter-surveillance
E5	NON-CORE	Perform precision geolocation operations
E5	NON-CORE	Perform Sensitive Site Exploitation (SSE) operations
E5	NON-CORE	Perform signals collections
E5	NON-CORE	Perform signals survey operations
E5	NON-CORE	Perform tactical Airborne Precision Geolocation (APGL) operations/Unmanned Aerial Systems (UAS) payload operations

GENERAL INSTALLATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze schematic diagrams
E5	CORE	Conduct installation site surveys
E6	CORE	Coordinate installation plans
E6	CORE	Coordinate installation site surveys
E4	CORE	Fabricate cabling terminations (e.g., Radio Frequency (RF), network, power, etc.)
E4	CORE	Fabricate electronic systems cables (e.g., fiber, Radio Frequency (RF), etc.)
E6	CORE	Inspect equipment installations
E4	NON-CORE	Install cable ducts
E4	CORE	Install communication equipment
E4	CORE	Install communication signal cables
E4	CORE	Install cryptologic carry-on equipment
E4	NON-CORE	Install electrical conduits
E4	CORE	Install electronic equipment
E4	CORE	Install electronic equipment racks
E4	NON-CORE	Install minor scope projects
E4	CORE	Install network equipment
E5	CORE	Install power panels
E4	CORE	Install tactical cryptologic antenna systems
E4	NON-CORE	Operate specialized installation tools
E4	NON-CORE	Remove cable ducts
E4	CORE	Remove communication equipment
E4	CORE	Remove communication signal cables
E4	CORE	Remove cryptologic carry-on equipment
E4	NON-CORE	Remove electrical conduits
E4	CORE	Remove electronic equipment
E4	CORE	Remove electronic equipment racks
E4	NON-CORE	Remove minor scope projects

GENERAL INSTALLATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Remove network equipment
E5	CORE	Remove power panels
E4	CORE	Validate cable standards

INFORMATION ASSURANCE

Paygrade	Task Type	Task Statements
E4	CORE	Implement Information Assurance (IA) security controls
E5	CORE	Implement Information Assurance Vulnerability Alert (IAVA) procedures
E4	CORE	Maintain audit logs
E5	CORE	Maintain Information Assurance (IA) accreditation requirements
E5	CORE	Perform Data Transfer Agent (DTA)/Authorized Transfer Agent (ATA) functions
E4	CORE	Perform Information Assurance Training (IAT) level 1 system Admin functions
E5	CORE	Perform Information Assurance Training (IAT) level 2 system Admin functions
E6	CORE	Perform System Operation Verification Test (SOVT)

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Control restricted area access
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E6	CORE	Implement Emergency Action Plans (EAP)
E4	NON-CORE	Install intrusion detection systems
E4	NON-CORE	Install locking mechanisms
E4	CORE	Install physical security equipment
E4	CORE	Perform Emergency Action Plans (EAP)
E4	CORE	Protect Crypto Management System (CMS)/Key Management Infrastructure (KMI) materials
E4	CORE	Protect Sensitive Compartmented Information (SCI) material
E4	NON-CORE	Remove locking mechanisms
E4	CORE	Remove physical security equipment
E4	NON-CORE	Repair electronic security systems
E4	NON-CORE	Repair locking mechanisms
E4	CORE	Report Sensitive Compartmented Information Facility (SCIF) accreditation discrepancies
E4	CORE	Store Sensitive Compartmented Information (SCI) material
E4	CORE	Transport Sensitive Compartmented Information (SCI) material
E4	NON-CORE	Troubleshoot electronic security systems
E4	NON-CORE	Troubleshoot locking mechanisms
E6	CORE	Verify Sensitive Compartmented Information Facility (SCIF) accreditation

SENSITIVE COMPARTMENTED INFORMATION (SCI) SYSTEMS/NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Backup cryptologic systems information
E4	CORE	Configure computer applications
E4	CORE	Configure computer Operating Systems (OS) software
E4	CORE	Configure network hardware
E4	CORE	Configure network software
E5	NON-CORE	Create computer shell scripts
E5	CORE	Cross-check network performance
E4	CORE	Install certificates (e.g., security, system, etc.)
E4	CORE	Install computer applications
E4	CORE	Install computer Operating Systems (OS) software
E4	CORE	Install network software
E4	CORE	Maintain computer file systems
E4	CORE	Maintain network systems
E4	CORE	Maintain remote computer files
E4	CORE	Maintain system domain accounts
E5	CORE	Modify computer shell scripts
E4	CORE	Perform network systems integration
E6	CORE	Plan network systems integration
E4	CORE	Remove computer applications
E4	CORE	Remove computer Operating Systems (OS) software
E4	CORE	Remove network software
E4	CORE	Repair network components
E4	CORE	Restore computer data from backups
E4	CORE	Start computer shell scripts
E4	CORE	Test systems networks
E4	CORE	Troubleshoot computer applications
E4	CORE	Troubleshoot computer Operating Systems (OS) software
E4	CORE	Troubleshoot network components

Job Title **Job Code**

Cryptologic Systems Infrastructure Technician 002811

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	CRYPTO SYSTEM INFRA TECH	C SYS INFR TEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTM	NEC CXXX Series and other NECs as assigned

Job Description

Cryptologic Systems Infrastructure Technicians install, certify, and maintain cryptologic network systems in support of Information and Cyberspace Operations worldwide for Navy, National Security Agency (NSA), Defense Intelligence Agency (DIA), and Department of Defense (DoD) requirements; identify, develop, and implement architecture and infrastructure design; ensure network system integrity, and information assurance compliance; perform network configuration, network engineering, circuit design and activation; read, develop, and verify schematic drawings; install cable transport, telecommunications, electrical wiring, cables, and termination; conduct site surveys and equipment training, equipment removal/modifications, and logistical support; track equipment movement; perform operational testing and certification requirements for cryptographic, cryptologic, and Sensitive Compartmented Information Facility (SCIF) physical security equipment supporting Fleet and National operations.

DoD Relationship

Group Title	*DoD Code*
Navigation, Communication, and Countermeasure, N.E.C.	110200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Network and Computer Systems Administrators	15-1244.00	Computer and Mathematical

Skills	Abilities
Operation and Control	*Written Comprehension*
Equipment Maintenance	*Information Ordering*
Installation	*Deductive Reasoning*
Systems Analysis	*Manual Dexterity*
Equipment Selection	*Problem Sensitivity*
Critical Thinking	*Inductive Reasoning*
Reading Comprehension	*Finger Dexterity*
Coordination	*Selective Attention*
Complex Problem Solving	*Extent Flexibility*
Management of Material Resources	*Oral Expression*

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure communication circuits
E4	NON-CORE	Configure telephone switches
E5	CORE	Establish communications infrastructure for data exfiltration
E4	CORE	Inspect communication systems
E4	CORE	Maintain communication signal cables
E4	CORE	Maintain communications infrastructure for data exfiltration
E4	CORE	Repair communication circuits
E4	CORE	Repair communication signal cables
E4	NON-CORE	Repair cryptographic equipment
E4	CORE	Test communication circuits
E4	CORE	Troubleshoot communication circuits
E4	NON-CORE	Troubleshoot cryptographic equipment

CRYPTOLOGIC ELECTRONIC MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Analyze test equipment results
E4	CORE	Detect Electromagnetic Interference (EMI)
E4	CORE	Initialize cryptologic equipment
E4	CORE	Install field changes
E4	CORE	Maintain antenna systems
E4	CORE	Maintain cryptologic computer equipment
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E4	CORE	Shutdown cryptologic equipment
E4	CORE	Validate test equipment functionality
E4	CORE	Validate test equipment requirements

CRYPTOLOGIC MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Update station drawings
E6	CORE	Validate maintenance documents

CRYPTOLOGIC MAINTENANCE MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Manage logistic support
E6	CORE	Supervise electronic systems maintenance

CRYPTOLOGIC SYSTEMS SUPPORT

Paygrade	Task Type	Task Statements
E4	NON-CORE	Process customer trouble calls

GENERAL INSTALLATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze schematic diagrams
E5	CORE	Conduct installation site surveys
E6	CORE	Coordinate installation plans
E6	CORE	Coordinate installation site surveys
E4	CORE	Fabricate cabling terminations (e.g., Radio Frequency (RF), network, power, etc.)
E4	CORE	Fabricate electronic systems cables (e.g., fiber, Radio Frequency (RF), etc.)
E6	CORE	Inspect equipment installations
E4	NON-CORE	Install cable ducts
E4	CORE	Install communication equipment
E4	CORE	Install communication signal cables
E4	NON-CORE	Install electrical conduits
E4	CORE	Install electronic equipment
E4	CORE	Install electronic equipment racks
E4	CORE	Install network equipment
E4	NON-CORE	Operate specialized installation tools

GENERAL INSTALLATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Remove cable ducts
E4	CORE	Remove communication equipment
E4	CORE	Remove communication signal cables
E4	NON-CORE	Remove electrical conduits
E4	CORE	Remove electronic equipment
E4	CORE	Remove electronic equipment racks
E4	CORE	Remove network equipment
E4	CORE	Validate cable standards

INFORMATION ASSURANCE

Paygrade	Task Type	Task Statements
E4	NON-CORE	Identify Information Systems Security (ISS) violations and vulnerabilities
E4	CORE	Implement Information Assurance (IA) security controls
E5	CORE	Implement Information Assurance Vulnerability Alert (IAVA) procedures
E4	CORE	Maintain audit logs
E5	CORE	Maintain Information Assurance (IA) accreditation requirements
E5	CORE	Perform Data Transfer Agent (DTA)/Authorized Transfer Agent (ATA) functions
E4	CORE	Perform Information Assurance Training (IAT) level 1 system Admin functions
E5	CORE	Perform Information Assurance Training (IAT) level 2 system Admin functions
E6	CORE	Perform System Operation Verification Test (SOVT)
E4	NON-CORE	Provide technical support to resolve cyber incidents
E4	NON-CORE	Remove system viruses
E7	NON-CORE	Report Information Systems Security (ISS) incidents
E5	NON-CORE	Update computer Information Systems (IS) antivirus definitions

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Control restricted area access
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E6	CORE	Implement Emergency Action Plans (EAP)
E4	NON-CORE	Install intrusion detection systems
E4	NON-CORE	Install locking mechanisms
E4	CORE	Install physical security equipment
E4	CORE	Perform Emergency Action Plans (EAP)
E4	CORE	Protect Crypto Management System (CMS)/Key Management Infrastructure (KMI) materials
E4	CORE	Protect Sensitive Compartmented Information (SCI) material
E4	NON-CORE	Remove locking mechanisms
E4	CORE	Remove physical security equipment
E4	NON-CORE	Repair electronic security systems
E4	NON-CORE	Repair locking mechanisms

SECURITY AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Report Sensitive Compartmented Information Facility (SCIF) accreditation discrepancies
E4	CORE	Store Sensitive Compartmented Information (SCI) material
E4	CORE	Transport Sensitive Compartmented Information (SCI) material
E4	NON-CORE	Troubleshoot electronic security systems
E4	NON-CORE	Troubleshoot locking mechanisms
E6	CORE	Verify Sensitive Compartmented Information Facility (SCIF) accreditation

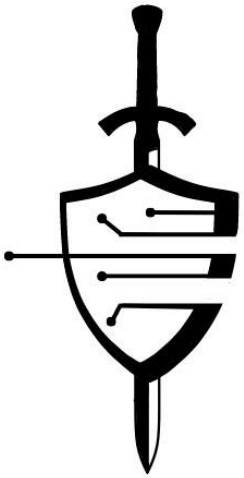
SENSITIVE COMPARTMENTED INFORMATION (SCI) SYSTEMS/NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Backup cryptologic systems information
E4	CORE	Configure computer applications
E4	CORE	Configure computer Operating Systems (OS) software
E4	CORE	Configure network hardware
E4	CORE	Configure network software
E5	NON-CORE	Create computer shell scripts
E7	NON-CORE	Create Continuity of Operations (COOP) Procedures
E5	NON-CORE	Create web pages
E5	CORE	Cross-check network performance
E6	NON-CORE	Establish Command, Control, Communications, Computers, Combat Systems and Intelligence (C5I) system interconnectivity
E4	CORE	Install certificates (e.g., security, system, etc.)
E4	CORE	Install computer applications
E4	CORE	Install computer Operating Systems (OS) software
E4	CORE	Install network software
E4	CORE	Maintain computer file systems
E4	CORE	Maintain network systems
E4	CORE	Maintain remote computer files
E4	CORE	Maintain system domain accounts
E5	NON-CORE	Maintain websites
E5	CORE	Modify computer shell scripts
E7	NON-CORE	Perform Information Assurance Management (IAM) functions
E4	CORE	Perform network systems integration
E6	CORE	Plan network systems integration
E4	CORE	Remove computer applications
E4	CORE	Remove computer Operating Systems (OS) software
E4	CORE	Remove network software
E4	CORE	Repair network components
E4	CORE	Restore computer data from backups
E4	CORE	Start computer shell scripts

SENSITIVE COMPARTMENTED INFORMATION (SCI) SYSTEMS/NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test systems networks
E4	CORE	Troubleshoot computer applications
E4	CORE	Troubleshoot computer Operating Systems (OS) software
E4	CORE	Troubleshoot network components
E6	NON-CORE	Validate migration/installation computer software

CHAPTER 20



CYBER WARFARE TECHNICIAN (CWT)

NAVPERS 18068F-20O
Change 101

Updated: January 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

CYBER WARFARE TECHNICIAN (CWT)

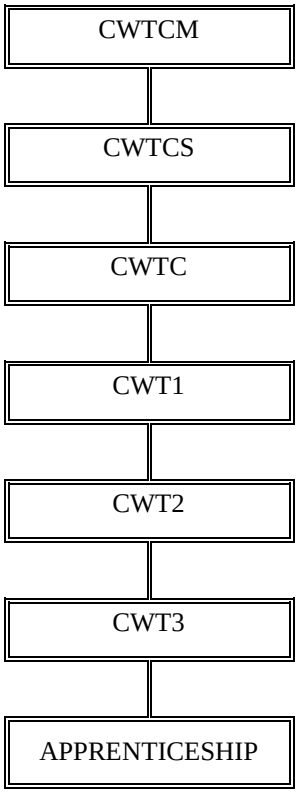
SCOPE OF RATING

Cyber Warfare Technician (CWT) employs strategic, operational, and tactical capabilities to plan, develop, and execute Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO); perform Cyberspace Threat Hunting (CTH) and analysis, digital forensics, network and host exploitation, Research and Development (R&D), and mission planning; execute cyberspace effects; leverage information and intelligence to identify, report, and respond to worldwide threats in support of Special Operations Forces (SOF), Fleet, National, and Joint requirements; and control and safeguard access to classified material and Information Systems (IS).

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 20.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For additional rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Cyber Research and Development Specialist 002775

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	CYBER R&D SPECIALIST	CYB R&D SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CWT	NEC HXXX and 7XXX series and other NECs as assigned

Job Description

Cyber Research and Development Specialists develop, test, and evaluate capabilities through reverse engineering, vulnerability research, and industry-standard development practices to enable Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO).

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Cyberspace Operations, General	127000	Computer and Information Research Scientists	15-1111.00	Computer and Mathematical

Skills	Abilities
Critical Thinking	*Inductive Reasoning*
Systems Analysis	*Deductive Reasoning*
Judgment and Decision Making	*Selective Attention*
Complex Problem Solving	*Information Ordering*
Coordination	*Written Expression*
Systems Evaluation	*Problem Sensitivity*
Programming	*Written Comprehension*
Active Learning	*Fluency of Ideas*
Operation and Control	*Speed of Closure*
Mathematics	*Mathematical Reasoning*

CYBER RESEARCH, DEVELOPMENT, AND EVALUATION

Paygrade	Task Type	Task Statements
E6	CORE	Collaborate with Intelligence Community (IC) to obtain targeting or emerging technologies information
E6	NON-CORE	Collaborate with stakeholders for capabilities
E5	NON-CORE	Conduct Operation, Test, and Evaluation (OTE) of Commercial Off The Shelf (COTS)/Government Off The Shelf (GOTS)
E4	CORE	Configure software based capabilities
E4	CORE	Configure virtualized environments
E4	NON-CORE	Construct target environments for training, testing, and assessing
E7	CORE	Coordinate with customers about operational tool and platform requirements
E4	NON-CORE	Correct errors in software-based capabilities
E5	NON-CORE	Create algorithms to solve complex problems
E4	CORE	Create simple scripts (e.g., Python, PowerShell, UNIX Scripting, etc.)
E5	NON-CORE	Determine capability requirements for development
E4	NON-CORE	Develop capabilities using compiled/assembled languages
E4	NON-CORE	Develop capabilities using scripting languages
E4	NON-CORE	Develop collection and exploitation equipment (Commercial Off The Shelf (COTS)/Government Off The Shelf (GOTS))
E4	NON-CORE	Develop Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) tools and platforms
E5	NON-CORE	Develop new techniques for gaining and keeping access to target systems

CYBER RESEARCH, DEVELOPMENT, AND EVALUATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Ensure project continuity through documentation of design, testing, and implementation
E7	NON-CORE	Establish guidelines for development cycles
E5	NON-CORE	Establish requirements for deployment of a capability
E5	NON-CORE	Evaluate Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) tools, capabilities, and platforms
E4	CORE	Formulate regular expression statements
E4	NON-CORE	Integrate foundational programming concepts for capability development
E4	NON-CORE	Interpret assembly code
E4	CORE	Interpret source code at a basic level
E5	NON-CORE	Maintain Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) tools, capabilities, and platforms
E6	NON-CORE	Perform advanced reverse engineering
E4	NON-CORE	Perform basic reverse engineering
E4	CORE	Perform Boolean logic
E4	CORE	Perform discrete math functions
E5	NON-CORE	Perform intermediate reverse engineering
E5	NON-CORE	Perform Operational Evaluation (OE) of capabilities
E5	NON-CORE	Perform rigorous and periodic testing of a capability
E4	CORE	Utilize a testing environment for capabilities
E4	NON-CORE	Utilize computer code to develop a software-based capability
E4	NON-CORE	Utilize open source code
E4	NON-CORE	Utilize secure coding techniques during development
E7	CORE	Validate requirements for capabilities
E5	NON-CORE	Validate tools, capabilities, and platforms during Developmental Test (DT) and Operational Test and Evaluation (OT&E)

CYBERSPACE ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze audit and log files on Information Systems
E4	CORE	Analyze cloud technology
E4	CORE	Analyze common system services
E4	CORE	Analyze data to reconstruct and document target networks
E4	NON-CORE	Analyze memory capture
E4	CORE	Analyze metadata and data of targeting significance
E4	CORE	Analyze mobile operating system characteristics
E4	CORE	Analyze network security architecture components
E4	CORE	Analyze Operating System (OS) characteristics
E4	CORE	Analyze raw data

CYBERSPACE ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Analyze scanning activity
E4	NON-CORE	Analyze Signals of Interest (SOI)
E4	CORE	Analyze software and hardware
E4	CORE	Analyze system, event, and network logs
E4	CORE	Analyze target implementation of technologies and digital network systems
E4	CORE	Analyze threat Tactics, Techniques, and Procedures (TTP)
E4	CORE	Analyze virtualization services
E5	NON-CORE	Assess physical characteristics of the target environment
E5	CORE	Assess threat Tactics, Techniques, and Procedures (TTP)
E5	NON-CORE	Conduct dynamic and static binary analysis
E5	CORE	Conduct in-depth target and technical analysis, to include target-specific information (e.g., cultural, organizational, political, etc.)
E5	NON-CORE	Conduct media analysis (e.g. mobile devices, hard drives, etc.)
E5	NON-CORE	Conduct memory analysis
E4	CORE	Define basic structure and architecture of networks
E4	CORE	Detect metadata and data of targeting significance
E4	CORE	Evaluate containerization services
E5	CORE	Evaluate virtualization services
E4	CORE	Identify applications and operating systems of a network device based on network traffic
E4	CORE	Identify communication transmission infrastructure
E5	CORE	Identify intelligence gaps
E4	CORE	Identify technical solutions from all source data
E4	CORE	Perform all source research
E4	CORE	Perform binary triage analysis
E4	NON-CORE	Perform dynamic and static binary analysis
E4	CORE	Perform file signature analysis
E4	CORE	Perform file system analysis
E4	CORE	Perform forensic triage
E6	NON-CORE	Perform live memory analysis
E4	CORE	Perform network traffic analysis
E4	CORE	Perform vulnerability analysis
E4	CORE	Perform wireless analysis
E4	CORE	Process data sets to tailor analytic efforts
E5	CORE	Validate target network vulnerabilities

CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Allocate resources to support Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO)
E4	CORE	Apply exploitation methodology

CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Assess operational environment
E5	CORE	Assess technical impact of tools and Tactics, Techniques, and Procedures (TTP) on a specific target
E4	CORE	Brief operational and intelligence updates
E4	CORE	Collect host and network data
E4	CORE	Communicate with intelligence analysts and targeting organizations
E7	CORE	Conduct capabilities management
E6	CORE	Conduct Courses of Action (COA) analysis
E5	NON-CORE	Conduct memory capture
E7	NON-CORE	Coordinate with external organizations to create and deploy tools
E6	CORE	Cross-check operational performance indicators (e.g., Battle Damage Assessment (BDA), Measures of Performance (MOP), Measures of Effectiveness (MOE), etc.)
E5	CORE	Develop Courses of Action (COA)
E5	CORE	Develop cyberspace-related Tactics, Techniques, and Procedures (TTP)
E7	CORE	Develop operational partnerships
E6	CORE	Evaluate mission impact of tools and techniques on specific targets
E5	CORE	Evaluate operational documents
E4	CORE	Initiate Requests for Information (RFI)
E6	CORE	Maintain project management
E4	CORE	Navigate file systems
E5	NON-CORE	Perform asset validation
E4	CORE	Perform device exploitation
E4	CORE	Perform scanning activity
E4	CORE	Perform wireless collection
E5	CORE	Prepare technical aspects of organic products (e.g., reports, working aids, Concept of Operations (CONOPS), etc.)
E4	CORE	Provide input for organic products (e.g., reports, working aids, Concept of Operations (CONOPS), etc.)
E5	CORE	Relayed Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) updates
E5	CORE	Report cyberspace effects (e.g., Measures of Performance (MOP), Measures of Effectiveness (MOE), and after action reports, etc.)
E6	CORE	Respond to formal Requests for Information (RFI)
E7	CORE	Validate target development recommendations
E4	CORE	Verify operational authorities

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Control access to Sensitive Compartmented Information Facility (SCIF)
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E4	CORE	Document receipt of Sensitive Compartmented Information (SCI) materials
E4	CORE	Implement Emergency Action Plan (EAP)

SECURITY AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Inventory Sensitive Compartmented Information (SCI) materials
E4	CORE	Safeguard Sensitive Compartmented Information (SCI) materials
E4	CORE	Store Sensitive Compartmented Information (SCI) materials

Job Title **Job Code**

Cyber Operations Planner 003103

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	CYBER OPERATIONS PLANNER	CYB OPS PLAN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CWT	NEC HXXX and 7XXX series and other NECs as assigned

Job Description

Cyber Operations Planners develop detailed plans and orders supporting Special Operations Forces (SOF), Fleet, National, and Joint requirements; develop and maintain deliberate and crisis action planning products; coordinate with cyberspace operators, analysts, and enablers to gain access and technical intelligence to meet planning objectives; and identify and levy requirements.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Cyberspace Operations, General	127000	Computer and Information Systems Managers	11-3021.00	Management

Skills	Abilities
Judgment and Decision Making	*Written Expression*
Critical Thinking	*Deductive Reasoning*
Coordination	*Problem Sensitivity*
Complex Problem Solving	*Written Comprehension*
Systems Analysis	*Originality*
Systems Evaluation	*Inductive Reasoning*
Writing	*Information Ordering*
Active Learning	*Oral Expression*
Management of Material Resources	*Fluency of Ideas*
Monitoring	*Selective Attention*

CYBER RESEARCH, DEVELOPMENT, AND EVALUATION

Paygrade	Task Type	Task Statements
E6	CORE	Collaborate with Intelligence Community (IC) to obtain targeting or emerging technologies information
E6	NON-CORE	Collaborate with stakeholders for capabilities
E7	CORE	Coordinate with customers about operational tool and platform requirements
E5	NON-CORE	Determine capability requirements for development
E5	NON-CORE	Evaluate Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) tools, capabilities, and platforms
E4	CORE	Perform Boolean logic
E7	CORE	Validate requirements for capabilities

CYBERSPACE ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze intrusion set activities
E5	CORE	Conduct in-depth target and technical analysis, to include target-specific information (e.g., cultural, organizational, political, etc.)
E4	CORE	Define basic structure and architecture of networks
E5	CORE	Evaluate collection requirements
E6	CORE	Evaluate cyberspace-related Tactics, Techniques, and Procedures (TTP)
E5	CORE	Evaluate remote system environments
E5	NON-CORE	Evaluate threats based upon vulnerabilities

CYBERSPACE ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Identify intelligence gaps
E4	CORE	Identify technical solutions from all source data
E6	CORE	Manage collection requirements
E4	CORE	Perform all source research
E5	CORE	Recommend targets based on all source reporting
E7	NON-CORE	Refine information requirements
E7	CORE	Validate collection requirements
E6	NON-CORE	Validate target and collection requests
E5	CORE	Validate target network vulnerabilities
E6	CORE	Validate target templates
E5	CORE	Verify target capabilities

CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E7	NON-CORE	Advise Commander's Critical Information Requirements (CCIR)
E7	CORE	Allocate resources to support Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO)
E4	CORE	Apply exploitation methodology
E4	CORE	Assess operational environment
E5	CORE	Assess technical impact of tools and Tactics, Techniques, and Procedures (TTP) on a specific target
E4	CORE	Brief operational and intelligence updates
E4	CORE	Communicate with intelligence analysts and targeting organizations
E7	CORE	Conduct capabilities management
E6	CORE	Conduct Courses of Action (COA) analysis
E6	CORE	Conduct cyberspace engagement
E6	CORE	Conduct mission analysis
E6	NON-CORE	Conduct planning initiation
E7	CORE	Confirm authorities and Standing Rules of Engagement (SROE) for Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) planning
E7	CORE	Coordinate cyberspace Operational Preparation of Environment (OPE)
E7	CORE	Coordinate Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO)
E7	NON-CORE	Coordinate Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) with Special Access Program (SAP)/Integrated Joint Special Technical Operations (IJSTO) planners
E7	NON-CORE	Coordinate with external organizations to create and deploy tools
E6	CORE	Cross-check operational performance indicators (e.g., Battle Damage Assessment (BDA), Measures of Performance (MOP), Measures of Effectiveness (MOE), etc.)
E5	CORE	Deconflict scheduled network operations
E5	CORE	Develop Courses of Action (COA)
E5	NON-CORE	Develop defensive analytic scheme of maneuver

CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Develop defensive mission plan
E5	NON-CORE	Develop offensive mission plan
E7	CORE	Develop operational partnerships
E6	NON-CORE	Develop operational plans, orders, and guidance
E7	CORE	Develop operational risk strategy
E6	CORE	Evaluate Courses of Action (COA) comparison
E6	CORE	Evaluate mission impact of tools and techniques on specific targets
E5	CORE	Evaluate operational documents
E5	CORE	Evaluate reporting requirements
E4	CORE	Initiate Requests for Information (RFI)
E6	CORE	Integrate cyberspace collections in intelligence gathering operations
E4	CORE	Maintain operational situational awareness
E6	CORE	Maintain project management
E5	CORE	Maintain target situational awareness
E7	CORE	Outline command and control activities (e.g. supported and supporting relationships)
E6	NON-CORE	Perform exercise planning
E5	CORE	Perform mission rehearsal
E5	CORE	Perform operational and tactical deconfliction
E5	CORE	Perform operational risk assessment
E4	CORE	Prepare summary report of events
E5	CORE	Prepare technical aspects of organic products (e.g., reports, working aids, Concept of Operations (CONOPS), etc.)
E4	CORE	Provide input for organic products (e.g., reports, working aids, Concept of Operations (CONOPS), etc.)
E4	CORE	Provide time sensitive reporting information (e.g., Critical Intelligence Communication (CRITIC), Commanders Critical Information Requirements (CCIR), voice reports, etc.)
E5	CORE	Relayed Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) updates
E5	CORE	Report cyberspace effects (e.g., Measures of Performance (MOP), Measures of Effectiveness (MOE), and after action reports, etc.)
E5	CORE	Report time-sensitive information
E6	CORE	Respond to formal Requests for Information (RFI)
E6	CORE	Respond to operational and tactical deconfliction requests
E7	CORE	Validate operational and tactical deconfliction requirements
E7	CORE	Validate operational documents
E7	CORE	Validate target development recommendations
E5	CORE	Verify Mission Relevant Terrain in Cyberspace (MRT-C)
E4	CORE	Verify operational authorities

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Control access to Sensitive Compartmented Information Facility (SCIF)
E6	CORE	Coordinate legal compliance reviews
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E4	CORE	Document receipt of Sensitive Compartmented Information (SCI) materials
E4	CORE	Implement Emergency Action Plan (EAP)
E4	CORE	Inventory Sensitive Compartmented Information (SCI) materials
E4	CORE	Safeguard Sensitive Compartmented Information (SCI) materials
E4	CORE	Store Sensitive Compartmented Information (SCI) materials

Job Title **Job Code**

Cyber Defense Analyst 003104

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	CYBER DEFENSE ANALYST	CYB DEF ANLST

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CWT	NEC HXXX and 7XXX series and other NECs as assigned

Job Description

Cyber Defense Analysts perform in-depth analysis and forensics to identify Malicious Cyber Activity (MCA) and detect network anomalies; and discover, identify, assess, and mitigate intrusions vital to the protection of Fleet, National, and Joint Information Systems

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Cyberspace Operations, General	127000	Digital Forensics Analysts	15-1299.06	Computer and Mathematical

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Judgment and Decision Making	*Inductive Reasoning*
Systems Analysis	*Information Ordering*
Complex Problem Solving	*Selective Attention*
Coordination	*Written Expression*
Operation and Control	*Problem Sensitivity*
Systems Evaluation	*Originality*
Monitoring	*Written Comprehension*
Operations Analysis	*Speed of Closure*
Active Learning	*Fluency of Ideas*

CYBER RESEARCH, DEVELOPMENT, AND EVALUATION

Paygrade	Task Type	Task Statements
E6	CORE	Collaborate with Intelligence Community (IC) to obtain targeting or emerging technologies information
E6	NON-CORE	Collaborate with stakeholders for capabilities
E5	NON-CORE	Conduct Operation, Test, and Evaluation (OTE) of Commercial Off The Shelf (COTS)/Government Off The Shelf (GOTS)
E4	CORE	Configure software based capabilities
E4	CORE	Configure virtualized environments
E4	NON-CORE	Construct target environments for training, testing, and assessing
E7	CORE	Coordinate with customers about operational tool and platform requirements
E4	NON-CORE	Correct errors in software-based capabilities
E5	NON-CORE	Create algorithms to solve complex problems
E4	CORE	Create simple scripts (e.g., Python, PowerShell, UNIX Scripting, etc.)
E5	NON-CORE	Determine capability requirements for development
E4	NON-CORE	Develop capabilities using compiled/assembled languages
E4	NON-CORE	Develop capabilities using scripting languages
E4	NON-CORE	Develop collection and exploitation equipment (Commercial Off The Shelf (COTS)/Government Off The Shelf (GOTS))
E4	NON-CORE	Develop Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) tools and platforms
E4	CORE	Develop heuristic or signature-based detective and preventative measures
E5	NON-CORE	Develop new techniques for gaining and keeping access to target systems

CYBER RESEARCH, DEVELOPMENT, AND EVALUATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Ensure project continuity through documentation of design, testing, and implementation
E7	NON-CORE	Establish guidelines for development cycles
E5	NON-CORE	Establish requirements for deployment of a capability
E5	NON-CORE	Evaluate Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) tools, capabilities, and platforms
E4	CORE	Formulate regular expression statements
E4	NON-CORE	Interpret assembly code
E4	CORE	Interpret source code at a basic level
E5	NON-CORE	Maintain Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) tools, capabilities, and platforms
E4	CORE	Perform Boolean logic
E4	CORE	Perform discrete math functions
E5	NON-CORE	Perform Operational Evaluation (OE) of capabilities
E4	CORE	Utilize a testing environment for capabilities
E4	NON-CORE	Utilize open source code
E7	CORE	Validate requirements for capabilities

CYBERSPACE ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze audit and log files on Information Systems
E4	CORE	Analyze cloud technology
E4	CORE	Analyze common system services
E4	CORE	Analyze identified malicious activity (e.g., determine weaknesses exploited, exploitation methods, effects on system and information, etc.)
E4	CORE	Analyze intrusion set activities
E4	NON-CORE	Analyze memory capture
E4	CORE	Analyze mobile operating system characteristics
E4	CORE	Analyze network and system artifacts to identify potential malicious activity (e.g., logs, malware, and system configuration files, etc.)
E4	CORE	Analyze network or system alerts from various sources
E4	CORE	Analyze network security architecture components
E4	CORE	Analyze network traffic to identify anomalous activity and potential threats
E4	CORE	Analyze Operating System (OS) characteristics
E4	CORE	Analyze operational environments for key terrain in cyberspace
E4	CORE	Analyze Operational Technology (OT) (e.g., Supervisory Control and Data Acquisition/Industrial Control Systems (SCADA/ICS), etc.)
E4	CORE	Analyze raw data
E4	CORE	Analyze remote system environments
E4	CORE	Analyze scanning activity
E4	CORE	Analyze software and hardware
E4	CORE	Analyze system, event, and network logs

CYBERSPACE ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Analyze threat intelligence data
E4	CORE	Analyze threat Tactics, Techniques, and Procedures (TTP)
E4	CORE	Analyze virtualization services
E5	CORE	Assess threat Tactics, Techniques, and Procedures (TTP)
E5	NON-CORE	Conduct dynamic and static binary analysis
E5	NON-CORE	Conduct host based forensics
E5	NON-CORE	Conduct media analysis (e.g. mobile devices, hard drives, etc.)
E5	NON-CORE	Conduct memory analysis
E5	NON-CORE	Conduct mobile forensics
E5	CORE	Conduct tactical mission analysis
E4	CORE	Define basic structure and architecture of networks
E4	CORE	Detect metadata and data of targeting significance
E4	CORE	Detect network vulnerabilities
E5	NON-CORE	Determine data requirements
E4	CORE	Differentiate incidents and events from benign activities
E4	NON-CORE	Document forensic processes and evidence collection
E5	CORE	Evaluate collection requirements
E4	CORE	Evaluate containerization services
E6	CORE	Evaluate cyberspace-related Tactics, Techniques, and Procedures (TTP)
E5	CORE	Evaluate remote system environments
E5	CORE	Evaluate scanning activity
E5	NON-CORE	Evaluate threats based upon vulnerabilities
E5	CORE	Evaluate virtualization services
E4	CORE	Identify access vectors for networks of interest
E4	CORE	Identify applications and operating systems of a network device based on network traffic
E5	CORE	Identify intelligence gaps
E4	CORE	Identify technical solutions from all source data
E6	CORE	Manage collection requirements
E7	NON-CORE	Manage unit priority target lists
E4	CORE	Perform all source research
E4	CORE	Perform binary triage analysis
E4	NON-CORE	Perform dynamic and static binary analysis
E4	CORE	Perform endpoint analysis (clients and servers)
E4	CORE	Perform file signature analysis
E4	CORE	Perform file system analysis
E4	CORE	Perform forensic triage
E6	NON-CORE	Perform live forensics
E6	NON-CORE	Perform live memory analysis
E4	CORE	Perform mid-point analysis (e.g., routers, firewalls, switches, etc.)

CYBERSPACE ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform network traffic analysis
E4	CORE	Perform timeline analysis
E4	CORE	Perform vulnerability analysis
E4	CORE	Perform wireless analysis
E4	CORE	Perform wireless source validation
E4	CORE	Process data sets to tailor analytic efforts
E7	NON-CORE	Refine information requirements
E7	CORE	Validate collection requirements
E6	NON-CORE	Validate Operational Technology (OT) (e.g. Supervisory Control and Data Acquisition/Industrial Control Systems (SCADA/ICS))
E5	CORE	Verify Operational Technology (OT) (e.g. Supervisory Control and Data Acquisition/Industrial Control Systems (SCADA/ICS))

CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E7	NON-CORE	Advise Commander's Critical Information Requirements (CCIR)
E7	CORE	Allocate resources to support Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO)
E4	CORE	Apply exploitation methodology
E5	NON-CORE	Assess Maritime Wireless Pattern of Life (POL)
E4	CORE	Assess operational environment
E5	CORE	Assess technical impact of tools and Tactics, Techniques, and Procedures (TTP) on a specific target
E4	CORE	Brief operational and intelligence updates
E4	CORE	Collect forensic evidence
E4	CORE	Collect host and network data
E4	CORE	Communicate with intelligence analysts and targeting organizations
E7	CORE	Conduct capabilities management
E6	CORE	Conduct Courses of Action (COA) analysis
E6	CORE	Conduct cyberspace engagement
E5	NON-CORE	Conduct incident response
E5	NON-CORE	Conduct interactive operations
E5	NON-CORE	Conduct memory capture
E6	CORE	Conduct mission analysis
E5	NON-CORE	Conduct non-standard collection operations
E6	NON-CORE	Conduct planning initiation
E5	NON-CORE	Conduct Sensitive Site Exploitations (SSE) operations
E7	CORE	Confirm authorities and Standing Rules of Engagement (SROE) for Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) planning
E7	CORE	Coordinate cyberspace Operational Preparation of Environment (OPE)
E7	CORE	Coordinate Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO)

CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E7	NON-CORE	Coordinate Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) with Special Access Program (SAP)/Integrated Joint Special Technical Operations (IJSTO) planners
E7	NON-CORE	Coordinate with external organizations to create and deploy tools
E6	CORE	Cross-check operational performance indicators (e.g., Battle Damage Assessment (BDA), Measures of Performance (MOP), Measures of Effectiveness (MOE), etc.)
E5	CORE	Deconflict scheduled network operations
E5	CORE	Develop Courses of Action (COA)
E5	CORE	Develop cyberspace-related Tactics, Techniques, and Procedures (TTP)
E5	NON-CORE	Develop defensive analytic scheme of maneuver
E5	NON-CORE	Develop offensive mission plan
E7	CORE	Develop operational partnerships
E6	NON-CORE	Develop operational plans, orders, and guidance
E7	CORE	Develop operational risk strategy
E5	NON-CORE	Erect ground and airborne Signals Intelligence (SIGINT) collection equipment
E6	CORE	Evaluate Courses of Action (COA) comparison
E5	CORE	Evaluate defense posture
E6	CORE	Evaluate mission impact of tools and techniques on specific targets
E5	CORE	Evaluate operational documents
E5	CORE	Evaluate reporting requirements
E5	NON-CORE	Harden physical and mobile networks
E4	CORE	Initiate Requests for Information (RFI)
E6	CORE	Integrate cyberspace collections in intelligence gathering operations
E4	CORE	Maintain operational situational awareness
E6	CORE	Maintain project management
E5	CORE	Maintain situational awareness and functionality of operational infrastructure
E5	CORE	Maintain target situational awareness
E6	NON-CORE	Manage data requirements
E4	CORE	Navigate file systems
E5	NON-CORE	Nominate remote targets for software pre-positioning
E7	CORE	Outline command and control activities (e.g. supported and supporting relationships)
E5	NON-CORE	Perform asset validation
E4	NON-CORE	Perform Cyberspace Threat Hunting (CTH)
E4	CORE	Perform Defensive Cyberspace Operations (DCO)
E4	CORE	Perform device exploitation
E6	NON-CORE	Perform exercise planning
E4	CORE	Perform host enumeration
E4	NON-CORE	Perform incident response
E5	CORE	Perform mission rehearsal
E4	CORE	Perform network enumeration

CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform network reconnaissance
E4	CORE	Perform Offensive Cyberspace Operations (OCO)
E4	NON-CORE	Perform offensive tactics in support of Defensive Cyberspace Operations (DCO)
E5	CORE	Perform operational and tactical deconfliction
E5	CORE	Perform Operational Preparation of the Environment (OPE)
E5	CORE	Perform operational risk assessment
E4	CORE	Perform scanning activity
E5	NON-CORE	Perform tactical Airborne Precision Geolocation (APGL) operations/Unmanned Aerial Systems (UAS) payload operations
E5	NON-CORE	Perform tactical Precision Geolocation (PGL)
E5	NON-CORE	Perform untethered collections
E4	CORE	Perform wireless collection
E4	CORE	Prepare summary report of events
E5	CORE	Prepare technical aspects of organic products (e.g., reports, working aids, Concept of Operations (CONOPS), etc.)
E4	CORE	Provide input for organic products (e.g., reports, working aids, Concept of Operations (CONOPS), etc.)
E4	CORE	Provide time sensitive reporting information (e.g., Critical Intelligence Communication (CRITIC), Commanders Critical Information Requirements (CCIR), voice reports, etc.)
E4	CORE	Provide timely detection, identification, and alerting of possible attacks/intrusions, anomalous activities, and misuse activities
E4	CORE	Recognize Mission Relevant Terrain in Cyberspace (MRT-C)
E5	CORE	Relayed Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) updates
E4	CORE	Report current or emerging cyberspace threats, intrusions, incidents, and events
E5	CORE	Report cyberspace effects (e.g., Measures of Performance (MOP), Measures of Effectiveness (MOE), and after action reports, etc.)
E5	CORE	Report time-sensitive information
E6	CORE	Respond to formal Requests for Information (RFI)
E6	CORE	Respond to operational and tactical deconfliction requests
E4	CORE	Support mission analysis
E5	NON-CORE	Utilize capabilities to enable access to networks of interest
E7	CORE	Validate operational and tactical deconfliction requirements
E7	CORE	Validate operational documents
E7	CORE	Validate target development recommendations
E5	CORE	Verify Mission Relevant Terrain in Cyberspace (MRT-C)
E4	CORE	Verify operational authorities
E5	CORE	Verify operational environments for key terrain in cyberspace

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Control access to Sensitive Compartmented Information Facility (SCIF)
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E4	CORE	Document receipt of Sensitive Compartmented Information (SCI) materials
E4	CORE	Implement Emergency Action Plan (EAP)
E4	CORE	Inventory Sensitive Compartmented Information (SCI) materials
E4	NON-CORE	Maintain evidence chain of custody
E4	NON-CORE	Maintain forensic evidence
E6	NON-CORE	Manage forensic processes
E4	CORE	Safeguard Sensitive Compartmented Information (SCI) materials
E4	CORE	Store Sensitive Compartmented Information (SCI) materials

Job Title **Job Code**

Cyber Exploitation Analyst 003106

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	EXPLOITATION ANALYST	EXPLOIT ANLST

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CWT	NEC HXXX and 7XXX series and other NECs as assigned

Job Description

Cyber Exploitation Analysts identify and assess target device and network vulnerabilities for potential exploitation vectors to determine capability gaps, facilitate access, collection, network mapping, and cyber effects for current and future operations.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Cyberspace Operations, General	127000	Computer Systems Analysts	15-1211.00	Computer and Mathematical

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Judgment and Decision Making	*Inductive Reasoning*
Systems Analysis	*Information Ordering*
Complex Problem Solving	*Selective Attention*
Coordination	*Written Expression*
Systems Evaluation	*Problem Sensitivity*
Monitoring	*Speed of Closure*
Operations Analysis	*Written Comprehension*
Active Learning	*Originality*
Technology Design	*Oral Expression*

CYBER RESEARCH, DEVELOPMENT, AND EVALUATION

Paygrade	Task Type	Task Statements
E6	CORE	Collaborate with Intelligence Community (IC) to obtain targeting or emerging technologies information
E6	NON-CORE	Collaborate with stakeholders for capabilities
E4	CORE	Configure virtualized environments
E4	NON-CORE	Construct target environments for training, testing, and assessing
E7	CORE	Coordinate with customers about operational tool and platform requirements
E5	NON-CORE	Create algorithms to solve complex problems
E4	CORE	Create simple scripts (e.g., Python, PowerShell, UNIX Scripting, etc.)
E5	NON-CORE	Determine capability requirements for development
E4	NON-CORE	Develop capabilities using scripting languages
E5	NON-CORE	Evaluate Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) tools, capabilities, and platforms
E4	CORE	Formulate regular expression statements
E4	CORE	Interpret source code at a basic level
E4	CORE	Perform Boolean logic
E4	CORE	Perform discrete math functions
E4	CORE	Utilize a testing environment for capabilities
E7	CORE	Validate requirements for capabilities

CYBERSPACE ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze audit and log files on Information Systems
E4	CORE	Analyze cloud technology
E4	CORE	Analyze common system services
E4	CORE	Analyze data to reconstruct and document target networks
E4	CORE	Analyze identified malicious activity (e.g., determine weaknesses exploited, exploitation methods, effects on system and information, etc.)
E4	CORE	Analyze intrusion set activities
E4	NON-CORE	Analyze memory capture
E4	CORE	Analyze metadata and data of targeting significance
E4	CORE	Analyze mobile operating system characteristics
E4	CORE	Analyze network and system artifacts to identify potential malicious activity (e.g., logs, malware, and system configuration files, etc.)
E4	CORE	Analyze network or system alerts from various sources
E4	CORE	Analyze network security architecture components
E4	CORE	Analyze network traffic to identify anomalous activity and potential threats
E4	CORE	Analyze Operating System (OS) characteristics
E4	CORE	Analyze operational environments for key terrain in cyberspace
E4	CORE	Analyze Operational Technology (OT) (e.g., Supervisory Control and Data Acquisition/Industrial Control Systems (SCADA/ICS), etc.)
E4	CORE	Analyze raw data
E4	CORE	Analyze remote system environments
E4	CORE	Analyze remote target network composition
E4	CORE	Analyze scanning activity
E4	CORE	Analyze software and hardware
E4	CORE	Analyze system, event, and network logs
E4	CORE	Analyze target capabilities
E4	CORE	Analyze target implementation of technologies and digital network systems
E4	CORE	Analyze threat Tactics, Techniques, and Procedures (TTP)
E4	CORE	Analyze virtualization services
E5	NON-CORE	Assess physical characteristics of the target environment
E4	CORE	Assess target network vulnerabilities
E5	CORE	Assess threat Tactics, Techniques, and Procedures (TTP)
E5	NON-CORE	Conduct host based forensics
E5	CORE	Conduct in-depth target and technical analysis, to include target-specific information (e.g., cultural, organizational, political, etc.)
E5	NON-CORE	Conduct media analysis (e.g. mobile devices, hard drives, etc.)
E5	NON-CORE	Conduct memory analysis
E5	NON-CORE	Conduct mobile forensics
E5	NON-CORE	Conduct Pattern of Life (POL) analysis
E5	CORE	Conduct tactical mission analysis
E4	CORE	Define basic structure and architecture of networks

CYBERSPACE ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Detect metadata and data of targeting significance
E4	CORE	Detect network vulnerabilities
E4	CORE	Develop target templates
E4	CORE	Differentiate incidents and events from benign activities
E5	CORE	Evaluate collection requirements
E4	CORE	Evaluate containerization services
E6	CORE	Evaluate cyberspace-related Tactics, Techniques, and Procedures (TTP)
E5	CORE	Evaluate remote system environments
E5	CORE	Evaluate scanning activity
E5	NON-CORE	Evaluate threats based upon vulnerabilities
E5	CORE	Evaluate virtualization services
E4	CORE	Identify access vectors for networks of interest
E4	CORE	Identify applications and operating systems of a network device based on network traffic
E4	CORE	Identify communication transmission infrastructure
E5	CORE	Identify intelligence gaps
E4	CORE	Identify technical solutions from all source data
E4	CORE	Perform all source research
E4	CORE	Perform endpoint analysis (clients and servers)
E4	CORE	Perform file signature analysis
E4	CORE	Perform file system analysis
E4	CORE	Perform initial target development
E4	CORE	Perform mid-point analysis (e.g., routers, firewalls, switches, etc.)
E4	CORE	Perform network traffic analysis
E5	NON-CORE	Perform target geospatial analysis
E4	CORE	Perform timeline analysis
E4	CORE	Perform vulnerability analysis
E4	CORE	Perform wireless analysis
E4	CORE	Process data sets to tailor analytic efforts
E5	CORE	Recommend targets based on all source reporting
E4	CORE	Reconnoiter remote targets (physical and virtual) for capability pre-positioning
E6	NON-CORE	Validate Operational Technology (OT) (e.g. Supervisory Control and Data Acquisition/Industrial Control Systems (SCADA/ICS))
E6	NON-CORE	Validate target and collection requests
E5	CORE	Validate target network vulnerabilities
E6	CORE	Validate target templates
E5	CORE	Verify Operational Technology (OT) (e.g. Supervisory Control and Data Acquisition/Industrial Control Systems (SCADA/ICS))
E5	CORE	Verify target capabilities

CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Allocate resources to support Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO)
E4	CORE	Apply exploitation methodology
E5	NON-CORE	Assess Maritime Wireless Pattern of Life (POL)
E4	CORE	Assess operational environment
E5	CORE	Assess technical impact of tools and Tactics, Techniques, and Procedures (TTP) on a specific target
E4	CORE	Brief operational and intelligence updates
E4	CORE	Collect host and network data
E4	CORE	Communicate with intelligence analysts and targeting organizations
E7	CORE	Conduct capabilities management
E6	CORE	Conduct Courses of Action (COA) analysis
E6	CORE	Conduct cyberspace engagement
E6	NON-CORE	Conduct planning initiation
E7	CORE	Confirm authorities and Standing Rules of Engagement (SROE) for Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) planning
E7	CORE	Coordinate cyberspace Operational Preparation of Environment (OPE)
E7	CORE	Coordinate Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO)
E7	NON-CORE	Coordinate Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) with Special Access Program (SAP)/Integrated Joint Special Technical Operations (IJSTO) planners
E7	NON-CORE	Coordinate with external organizations to create and deploy tools
E6	CORE	Cross-check operational performance indicators (e.g., Battle Damage Assessment (BDA), Measures of Performance (MOP), Measures of Effectiveness (MOE), etc.)
E5	CORE	Deconflict scheduled network operations
E5	CORE	Develop Courses of Action (COA)
E5	CORE	Develop cyberspace-related Tactics, Techniques, and Procedures (TTP)
E5	NON-CORE	Develop offensive mission plan
E7	CORE	Develop operational partnerships
E7	CORE	Develop operational risk strategy
E6	CORE	Evaluate Courses of Action (COA) comparison
E5	CORE	Evaluate defense posture
E6	CORE	Evaluate mission impact of tools and techniques on specific targets
E5	CORE	Evaluate operational documents
E4	CORE	Initiate Requests for Information (RFI)
E6	CORE	Integrate cyberspace collections in intelligence gathering operations
E4	CORE	Maintain operational situational awareness
E6	CORE	Maintain project management
E5	CORE	Maintain situational awareness and functionality of operational infrastructure
E5	CORE	Maintain target situational awareness

CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Navigate file systems
E5	NON-CORE	Nominate remote targets for software pre-positioning
E7	CORE	Outline command and control activities (e.g. supported and supporting relationships)
E4	CORE	Perform device exploitation
E4	CORE	Perform host enumeration
E5	CORE	Perform mission rehearsal
E4	CORE	Perform network enumeration
E4	CORE	Perform network reconnaissance
E4	CORE	Perform Offensive Cyberspace Operations (OCO)
E4	NON-CORE	Perform offensive tactics in support of Defensive Cyberspace Operations (DCO)
E5	CORE	Perform operational and tactical deconfliction
E5	CORE	Perform Operational Preparation of the Environment (OPE)
E5	CORE	Perform operational risk assessment
E4	CORE	Perform scanning activity
E4	CORE	Perform wireless collection
E4	CORE	Prepare summary report of events
E5	CORE	Prepare technical aspects of organic products (e.g., reports, working aids, Concept of Operations (CONOPS), etc.)
E4	CORE	Provide input for organic products (e.g., reports, working aids, Concept of Operations (CONOPS), etc.)
E4	NON-CORE	Provide target Positive Identification (PID)
E4	CORE	Provide time sensitive reporting information (e.g., Critical Intelligence Communication (CRITIC), Commanders Critical Information Requirements (CCIR), voice reports, etc.)
E4	CORE	Recognize Mission Relevant Terrain in Cyberspace (MRT-C)
E5	CORE	Relayed Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) updates
E4	CORE	Report current or emerging cyberspace threats, intrusions, incidents, and events
E5	CORE	Report cyberspace effects (e.g., Measures of Performance (MOP), Measures of Effectiveness (MOE), and after action reports, etc.)
E5	CORE	Report time-sensitive information
E6	CORE	Respond to formal Requests for Information (RFI)
E6	CORE	Respond to operational and tactical deconfliction requests
E4	CORE	Support mission analysis
E5	NON-CORE	Utilize capabilities to enable access to networks of interest
E7	CORE	Validate operational and tactical deconfliction requirements
E7	CORE	Validate operational documents
E7	CORE	Validate target development recommendations
E5	CORE	Verify Mission Relevant Terrain in Cyberspace (MRT-C)
E4	CORE	Verify operational authorities
E5	CORE	Verify operational environments for key terrain in cyberspace

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Control access to Sensitive Compartmented Information Facility (SCIF)
E6	CORE	Coordinate legal compliance reviews
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E4	CORE	Document receipt of Sensitive Compartmented Information (SCI) materials
E4	CORE	Implement Emergency Action Plan (EAP)
E4	CORE	Inventory Sensitive Compartmented Information (SCI) materials
E4	CORE	Safeguard Sensitive Compartmented Information (SCI) materials
E4	CORE	Store Sensitive Compartmented Information (SCI) materials

Job Title **Job Code**

Expeditionary Cyberspace Operator 003107

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	EXP CYBERSPACE OPERATOR	EXP CYBR OPR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CWT	NEC HXXX and 7XXX series and other NECs as assigned

Job Description

Expeditionary Cyberspace Operators perform local and close-access expeditionary cyberspace operations as assigned in support of special operations forces, fleet national, and joint mission-sets. Operationally leverages full-spectrum cyberspace capabilities from maritime, air, and ground domains.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Cyberspace Operations, General	127000	Penetration Testers	15-1299.04	Computer and Mathematical

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Judgment and Decision Making	*Information Ordering*
Systems Analysis	*Inductive Reasoning*
Complex Problem Solving	*Written Expression*
Coordination	*Selective Attention*
Systems Evaluation	*Problem Sensitivity*
Operation and Control	*Originality*
Monitoring	*Written Comprehension*
Technology Design	*Speed of Closure*
Operations Analysis	*Fluency of Ideas*

CYBER RESEARCH, DEVELOPMENT, AND EVALUATION

Paygrade	Task Type	Task Statements
E6	CORE	Collaborate with Intelligence Community (IC) to obtain targeting or emerging technologies information
E6	NON-CORE	Collaborate with stakeholders for capabilities
E5	NON-CORE	Conduct Operation, Test, and Evaluation (OTE) of Commercial Off The Shelf (COTS)/Government Off The Shelf (GOTS)
E4	CORE	Configure software based capabilities
E4	CORE	Configure virtualized environments
E4	NON-CORE	Construct target environments for training, testing, and assessing
E7	CORE	Coordinate with customers about operational tool and platform requirements
E4	NON-CORE	Correct errors in software-based capabilities
E5	NON-CORE	Create algorithms to solve complex problems
E4	CORE	Create simple scripts (e.g., Python, PowerShell, UNIX Scripting, etc.)
E5	NON-CORE	Determine capability requirements for development
E4	NON-CORE	Develop capabilities using compiled/assembled languages
E4	NON-CORE	Develop capabilities using scripting languages
E4	NON-CORE	Develop collection and exploitation equipment (Commercial Off The Shelf (COTS)/Government Off The Shelf (GOTS))
E4	NON-CORE	Develop Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) tools and platforms
E5	NON-CORE	Develop new techniques for gaining and keeping access to target systems

CYBER RESEARCH, DEVELOPMENT, AND EVALUATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Ensure project continuity through documentation of design, testing, and implementation
E7	NON-CORE	Establish guidelines for development cycles
E5	NON-CORE	Establish requirements for deployment of a capability
E5	NON-CORE	Evaluate Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) tools, capabilities, and platforms
E4	CORE	Formulate regular expression statements
E4	NON-CORE	Integrate foundational programming concepts for capability development
E4	CORE	Interpret source code at a basic level
E5	NON-CORE	Maintain Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) tools, capabilities, and platforms
E4	CORE	Perform Boolean logic
E4	CORE	Perform discrete math functions
E5	NON-CORE	Perform Operational Evaluation (OE) of capabilities
E5	NON-CORE	Perform rigorous and periodic testing of a capability
E4	CORE	Utilize a testing environment for capabilities
E4	NON-CORE	Utilize open source code
E7	CORE	Validate requirements for capabilities
E5	NON-CORE	Validate tools, capabilities, and platforms during Developmental Test (DT) and Operational Test and Evaluation (OT&E)

CYBERSPACE ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze audit and log files on Information Systems
E4	CORE	Analyze common system services
E4	CORE	Analyze data to reconstruct and document target networks
E4	NON-CORE	Analyze memory capture
E4	CORE	Analyze metadata and data of targeting significance
E4	CORE	Analyze mobile operating system characteristics
E4	CORE	Analyze network and system artifacts to identify potential malicious activity (e.g., logs, malware, and system configuration files, etc.)
E4	CORE	Analyze network security architecture components
E4	CORE	Analyze network traffic to identify anomalous activity and potential threats
E4	CORE	Analyze Operating System (OS) characteristics
E4	CORE	Analyze operational environments for key terrain in cyberspace
E4	CORE	Analyze Operational Technology (OT) (e.g., Supervisory Control and Data Acquisition/Industrial Control Systems (SCADA/ICS), etc.)
E4	CORE	Analyze raw data
E4	CORE	Analyze remote system environments
E4	CORE	Analyze remote target network composition
E4	CORE	Analyze scanning activity

CYBERSPACE ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Analyze Signals of Interest (SOI)
E4	CORE	Analyze software and hardware
E4	CORE	Analyze system, event, and network logs
E4	CORE	Analyze target capabilities
E4	CORE	Analyze target implementation of technologies and digital network systems
E4	CORE	Analyze threat Tactics, Techniques, and Procedures (TTP)
E5	NON-CORE	Assess physical characteristics of the target environment
E4	CORE	Assess target network vulnerabilities
E5	CORE	Assess threat Tactics, Techniques, and Procedures (TTP)
E5	NON-CORE	Conduct host based forensics
E5	CORE	Conduct in-depth target and technical analysis, to include target-specific information (e.g., cultural, organizational, political, etc.)
E5	NON-CORE	Conduct media analysis (e.g. mobile devices, hard drives, etc.)
E5	NON-CORE	Conduct memory analysis
E5	NON-CORE	Conduct mobile forensics
E5	NON-CORE	Conduct Pattern of Life (POL) analysis
E5	CORE	Conduct tactical mission analysis
E4	CORE	Define basic structure and architecture of networks
E4	CORE	Detect metadata and data of targeting significance
E4	CORE	Detect network vulnerabilities
E5	NON-CORE	Determine data requirements
E4	CORE	Develop target templates
E5	CORE	Evaluate collection requirements
E6	CORE	Evaluate cyberspace-related Tactics, Techniques, and Procedures (TTP)
E5	CORE	Evaluate remote system environments
E5	CORE	Evaluate scanning activity
E4	CORE	Identify access vectors for networks of interest
E4	CORE	Identify applications and operating systems of a network device based on network traffic
E4	CORE	Identify communication transmission infrastructure
E5	CORE	Identify intelligence gaps
E4	CORE	Identify technical solutions from all source data
E7	NON-CORE	Manage unit priority target lists
E4	CORE	Perform all source research
E4	CORE	Perform binary triage analysis
E4	CORE	Perform endpoint analysis (clients and servers)
E4	CORE	Perform file signature analysis
E4	CORE	Perform file system analysis
E4	CORE	Perform forensic triage
E4	CORE	Perform initial target development

CYBERSPACE ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform mid-point analysis (e.g., routers, firewalls, switches, etc.)
E4	CORE	Perform network traffic analysis
E5	NON-CORE	Perform target geospatial analysis
E4	CORE	Perform vulnerability analysis
E4	CORE	Perform wireless analysis
E4	CORE	Perform wireless source validation
E4	CORE	Process data sets to tailor analytic efforts
E5	CORE	Recommend targets based on all source reporting
E4	CORE	Reconnoiter remote targets (physical and virtual) for capability pre-positioning
E6	NON-CORE	Validate Operational Technology (OT) (e.g. Supervisory Control and Data Acquisition/Industrial Control Systems (SCADA/ICS))
E5	CORE	Validate target network vulnerabilities
E6	CORE	Validate target templates
E5	CORE	Verify Operational Technology (OT) (e.g. Supervisory Control and Data Acquisition/Industrial Control Systems (SCADA/ICS))
E5	CORE	Verify target capabilities

CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E7	NON-CORE	Advise Commander's Critical Information Requirements (CCIR)
E7	CORE	Allocate resources to support Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO)
E4	CORE	Apply exploitation methodology
E5	NON-CORE	Assemble tactical infrastructure
E5	NON-CORE	Assess Maritime Wireless Pattern of Life (POL)
E4	CORE	Assess operational environment
E5	CORE	Assess technical impact of tools and Tactics, Techniques, and Procedures (TTP) on a specific target
E4	CORE	Brief operational and intelligence updates
E4	CORE	Collect forensic evidence
E4	CORE	Collect host and network data
E4	CORE	Communicate with intelligence analysts and targeting organizations
E7	CORE	Conduct capabilities management
E6	CORE	Conduct Courses of Action (COA) analysis
E6	CORE	Conduct cyberspace engagement
E5	NON-CORE	Conduct initial access operations
E5	NON-CORE	Conduct interactive operations
E5	NON-CORE	Conduct memory capture
E6	CORE	Conduct mission analysis
E5	NON-CORE	Conduct non-standard collection operations
E6	NON-CORE	Conduct planning initiation

CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct Sensitive Site Exploitations (SSE) operations
E7	CORE	Confirm authorities and Standing Rules of Engagement (SROE) for Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) planning
E7	CORE	Coordinate cyberspace Operational Preparation of Environment (OPE)
E7	CORE	Coordinate Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO)
E7	NON-CORE	Coordinate Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) with Special Access Program (SAP)/Integrated Joint Special Technical Operations (IJSTO) planners
E7	NON-CORE	Coordinate with external organizations to create and deploy tools
E6	CORE	Cross-check operational performance indicators (e.g., Battle Damage Assessment (BDA), Measures of Performance (MOP), Measures of Effectiveness (MOE), etc.)
E5	CORE	Deconflict scheduled network operations
E5	CORE	Develop Courses of Action (COA)
E5	CORE	Develop cyberspace-related Tactics, Techniques, and Procedures (TTP)
E5	NON-CORE	Develop offensive mission plan
E7	CORE	Develop operational partnerships
E6	NON-CORE	Develop operational plans, orders, and guidance
E7	CORE	Develop operational risk strategy
E5	NON-CORE	Erect ground and airborne Signals Intelligence (SIGINT) collection equipment
E6	CORE	Evaluate Courses of Action (COA) comparison
E5	CORE	Evaluate defense posture
E6	CORE	Evaluate mission impact of tools and techniques on specific targets
E5	NON-CORE	Harden physical and mobile networks
E4	CORE	Initiate Requests for Information (RFI)
E6	CORE	Integrate cyberspace collections in intelligence gathering operations
E4	CORE	Maintain operational situational awareness
E6	CORE	Maintain project management
E5	CORE	Maintain situational awareness and functionality of operational infrastructure
E5	CORE	Maintain target situational awareness
E6	NON-CORE	Manage data requirements
E4	CORE	Navigate file systems
E5	NON-CORE	Nominate remote targets for software pre-positioning
E7	CORE	Outline command and control activities (e.g. supported and supporting relationships)
E4	CORE	Perform device exploitation
E6	NON-CORE	Perform exercise planning
E4	CORE	Perform host enumeration
E4	NON-CORE	Perform interactive operations
E5	CORE	Perform mission rehearsal
E4	CORE	Perform network enumeration
E4	CORE	Perform network reconnaissance

CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Offensive Cyberspace Operations (OCO)
E5	CORE	Perform operational and tactical deconfliction
E5	CORE	Perform Operational Preparation of the Environment (OPE)
E5	CORE	Perform operational risk assessment
E4	CORE	Perform scanning activity
E5	NON-CORE	Perform tactical Airborne Precision Geolocation (APGL) operations/Unmanned Aerial Systems (UAS) payload operations
E5	NON-CORE	Perform tactical Precision Geolocation (PGL)
E5	NON-CORE	Perform untethered collections
E4	CORE	Perform wireless collection
E4	CORE	Prepare summary report of events
E5	CORE	Prepare technical aspects of organic products (e.g., reports, working aids, Concept of Operations (CONOPS), etc.)
E4	CORE	Provide input for organic products (e.g., reports, working aids, Concept of Operations (CONOPS), etc.)
E4	NON-CORE	Provide target Positive Identification (PID)
E4	CORE	Provide time sensitive reporting information (e.g., Critical Intelligence Communication (CRITIC), Commanders Critical Information Requirements (CCIR), voice reports, etc.)
E4	CORE	Recognize Mission Relevant Terrain in Cyberspace (MRT-C)
E5	CORE	Relayed Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) updates
E5	CORE	Report cyberspace effects (e.g., Measures of Performance (MOP), Measures of Effectiveness (MOE), and after action reports, etc.)
E5	CORE	Report time-sensitive information
E6	CORE	Respond to formal Requests for Information (RFI)
E6	CORE	Respond to operational and tactical deconfliction requests
E4	CORE	Support mission analysis
E5	NON-CORE	Utilize capabilities to enable access to networks of interest
E7	CORE	Validate operational and tactical deconfliction requirements
E7	CORE	Validate operational documents
E7	CORE	Validate target development recommendations
E5	CORE	Verify Mission Relevant Terrain in Cyberspace (MRT-C)
E4	CORE	Verify operational authorities
E5	CORE	Verify operational environments for key terrain in cyberspace

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Control access to Sensitive Compartmented Information Facility (SCIF)
E6	NON-CORE	Coordinate Temporary Sensitive Compartmented Information Facility (TSCIF) accreditations
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials

SECURITY AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Document receipt of Sensitive Compartmented Information (SCI) materials
E4	CORE	Implement Emergency Action Plan (EAP)
E4	CORE	Inventory Sensitive Compartmented Information (SCI) materials
E7	NON-CORE	Manage Temporary Sensitive Compartmented Information Facility (TSCIF) accreditations
E4	CORE	Safeguard Sensitive Compartmented Information (SCI) materials
E4	CORE	Store Sensitive Compartmented Information (SCI) materials

Job Title **Job Code**

Cyberspace Operator 003108

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	CYBERSPACE OPERATOR	CYBR OPR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CWT	NEC HXXX and 7XXX series and other NECs as assigned

Job Description

Cyberspace Operators employ a wide range of software applications for network navigation, tactical forensic analysis, surveillance and reconnaissance, and cyberspace effects in the execution of full-spectrum on-net, local, and close-access cyberspace operations.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Cyberspace Operations, General	127000	Penetration Testers	15-1299.04	Computer and Mathematical

Skills	Abilities
Critical Thinking	*Inductive Reasoning*
Systems Analysis	*Deductive Reasoning*
Judgment and Decision Making	*Information Ordering*
Complex Problem Solving	*Selective Attention*
Systems Evaluation	*Problem Sensitivity*
Coordination	*Written Expression*
Operation and Control	*Written Comprehension*
Programming	*Originality*
Monitoring	*Speed of Closure*
Operations Analysis	*Fluency of Ideas*

CYBER RESEARCH, DEVELOPMENT, AND EVALUATION

Paygrade	Task Type	Task Statements
E6	CORE	Collaborate with Intelligence Community (IC) to obtain targeting or emerging technologies information
E6	NON-CORE	Collaborate with stakeholders for capabilities
E5	NON-CORE	Conduct Operation, Test, and Evaluation (OTE) of Commercial Off The Shelf (COTS)/Government Off The Shelf (GOTS)
E4	CORE	Configure software based capabilities
E4	CORE	Configure virtualized environments
E4	NON-CORE	Construct target environments for training, testing, and assessing
E7	CORE	Coordinate with customers about operational tool and platform requirements
E4	NON-CORE	Correct errors in software-based capabilities
E5	NON-CORE	Create algorithms to solve complex problems
E4	CORE	Create simple scripts (e.g., Python, PowerShell, UNIX Scripting, etc.)
E5	NON-CORE	Determine capability requirements for development
E4	NON-CORE	Develop capabilities using compiled/assembled languages
E4	NON-CORE	Develop capabilities using scripting languages
E4	NON-CORE	Develop Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) tools and platforms
E5	NON-CORE	Develop new techniques for gaining and keeping access to target systems
E5	NON-CORE	Establish requirements for deployment of a capability
E5	NON-CORE	Evaluate Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) tools, capabilities, and platforms

CYBER RESEARCH, DEVELOPMENT, AND EVALUATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Formulate regular expression statements
E4	NON-CORE	Integrate foundational programming concepts for capability development
E4	CORE	Interpret source code at a basic level
E5	NON-CORE	Maintain Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) tools, capabilities, and platforms
E4	NON-CORE	Perform basic reverse engineering
E4	CORE	Perform Boolean logic
E4	CORE	Perform discrete math functions
E5	NON-CORE	Perform Operational Evaluation (OE) of capabilities
E5	NON-CORE	Perform rigorous and periodic testing of a capability
E4	CORE	Utilize a testing environment for capabilities
E4	NON-CORE	Utilize computer code to develop a software-based capability
E4	NON-CORE	Utilize open source code
E4	NON-CORE	Utilize secure coding techniques during development
E5	NON-CORE	Validate tools, capabilities, and platforms during Developmental Test (DT) and Operational Test and Evaluation (OT&E)

CYBERSPACE ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze audit and log files on Information Systems
E4	CORE	Analyze common system services
E4	CORE	Analyze data to reconstruct and document target networks
E4	CORE	Analyze identified malicious activity (e.g., determine weaknesses exploited, exploitation methods, effects on system and information, etc.)
E4	CORE	Analyze mobile operating system characteristics
E4	CORE	Analyze network and system artifacts to identify potential malicious activity (e.g., logs, malware, and system configuration files, etc.)
E4	CORE	Analyze network security architecture components
E4	CORE	Analyze network traffic to identify anomalous activity and potential threats
E4	CORE	Analyze Operating System (OS) characteristics
E4	CORE	Analyze operational environments for key terrain in cyberspace
E4	CORE	Analyze Operational Technology (OT) (e.g., Supervisory Control and Data Acquisition/Industrial Control Systems (SCADA/ICS), etc.)
E4	CORE	Analyze raw data
E4	CORE	Analyze remote system environments
E4	CORE	Analyze remote target network composition
E4	CORE	Analyze scanning activity
E4	CORE	Analyze software and hardware
E4	CORE	Analyze system, event, and network logs
E4	CORE	Analyze target implementation of technologies and digital network systems
E4	CORE	Analyze threat Tactics, Techniques, and Procedures (TTP)
E4	CORE	Analyze virtualization services

CYBERSPACE ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Assess physical characteristics of the target environment
E4	CORE	Assess target network vulnerabilities
E5	CORE	Assess threat Tactics, Techniques, and Procedures (TTP)
E5	NON-CORE	Conduct memory analysis
E4	CORE	Define basic structure and architecture of networks
E4	CORE	Detect metadata and data of targeting significance
E4	CORE	Detect network vulnerabilities
E4	CORE	Differentiate incidents and events from benign activities
E5	CORE	Evaluate collection requirements
E4	CORE	Evaluate containerization services
E6	CORE	Evaluate cyberspace-related Tactics, Techniques, and Procedures (TTP)
E5	CORE	Evaluate remote system environments
E5	CORE	Evaluate scanning activity
E5	NON-CORE	Evaluate threats based upon vulnerabilities
E5	CORE	Evaluate virtualization services
E4	CORE	Identify access vectors for networks of interest
E4	CORE	Identify applications and operating systems of a network device based on network traffic
E4	CORE	Identify communication transmission infrastructure
E5	CORE	Identify intelligence gaps
E4	CORE	Identify technical solutions from all source data
E4	CORE	Perform all source research
E4	CORE	Perform binary triage analysis
E4	NON-CORE	Perform dynamic and static binary analysis
E4	CORE	Perform endpoint analysis (clients and servers)
E4	CORE	Perform file signature analysis
E4	CORE	Perform file system analysis
E4	CORE	Perform mid-point analysis (e.g., routers, firewalls, switches, etc.)
E4	CORE	Perform network traffic analysis
E4	CORE	Perform timeline analysis
E4	CORE	Perform vulnerability analysis
E4	CORE	Perform wireless analysis
E4	CORE	Reconnoiter remote targets (physical and virtual) for capability pre-positioning
E6	NON-CORE	Validate Operational Technology (OT) (e.g. Supervisory Control and Data Acquisition/Industrial Control Systems (SCADA/ICS))
E5	CORE	Validate target network vulnerabilities
E5	CORE	Verify Operational Technology (OT) (e.g. Supervisory Control and Data Acquisition/Industrial Control Systems (SCADA/ICS))
E5	CORE	Verify target capabilities

CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Apply exploitation methodology
E5	NON-CORE	Assemble tactical infrastructure
E4	CORE	Assess operational environment
E5	CORE	Assess technical impact of tools and Tactics, Techniques, and Procedures (TTP) on a specific target
E4	CORE	Brief operational and intelligence updates
E4	CORE	Collect forensic evidence
E4	CORE	Collect host and network data
E4	CORE	Communicate with intelligence analysts and targeting organizations
E7	CORE	Conduct capabilities management
E6	CORE	Conduct Courses of Action (COA) analysis
E6	CORE	Conduct cyberspace engagement
E5	NON-CORE	Conduct initial access operations
E5	NON-CORE	Conduct interactive operations
E5	NON-CORE	Conduct memory capture
E7	CORE	Confirm authorities and Standing Rules of Engagement (SROE) for Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) planning
E7	CORE	Coordinate cyberspace Operational Preparation of Environment (OPE)
E7	NON-CORE	Coordinate with external organizations to create and deploy tools
E6	CORE	Cross-check operational performance indicators (e.g., Battle Damage Assessment (BDA), Measures of Performance (MOP), Measures of Effectiveness (MOE), etc.)
E5	CORE	Deconflict scheduled network operations
E5	CORE	Develop Courses of Action (COA)
E5	CORE	Develop cyberspace-related Tactics, Techniques, and Procedures (TTP)
E7	CORE	Develop operational partnerships
E5	CORE	Evaluate defense posture
E6	CORE	Evaluate mission impact of tools and techniques on specific targets
E5	CORE	Evaluate operational documents
E4	CORE	Initiate Requests for Information (RFI)
E6	CORE	Integrate cyberspace collections in intelligence gathering operations
E4	CORE	Maintain operational situational awareness
E5	CORE	Maintain situational awareness and functionality of operational infrastructure
E5	CORE	Maintain target situational awareness
E4	CORE	Navigate file systems
E5	NON-CORE	Nominate remote targets for software pre-positioning
E4	CORE	Perform device exploitation
E4	CORE	Perform host enumeration
E4	NON-CORE	Perform interactive operations
E5	CORE	Perform mission rehearsal
E4	CORE	Perform network enumeration

CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform network reconnaissance
E4	CORE	Perform Offensive Cyberspace Operations (OCO)
E4	NON-CORE	Perform offensive tactics in support of Defensive Cyberspace Operations (DCO)
E5	CORE	Perform Operational Preparation of the Environment (OPE)
E5	CORE	Perform operational risk assessment
E4	CORE	Perform scanning activity
E5	NON-CORE	Perform untethered collections
E4	CORE	Perform wireless collection
E4	CORE	Prepare summary report of events
E5	CORE	Prepare technical aspects of organic products (e.g., reports, working aids, Concept of Operations (CONOPS), etc.)
E4	CORE	Provide input for organic products (e.g., reports, working aids, Concept of Operations (CONOPS), etc.)
E4	NON-CORE	Provide target Positive Identification (PID)
E4	CORE	Provide time sensitive reporting information (e.g., Critical Intelligence Communication (CRITIC), Commanders Critical Information Requirements (CCIR), voice reports, etc.)
E4	CORE	Recognize Mission Relevant Terrain in Cyberspace (MRT-C)
E5	CORE	Relayed Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) updates
E4	CORE	Report current or emerging cyberspace threats, intrusions, incidents, and events
E5	CORE	Report cyberspace effects (e.g., Measures of Performance (MOP), Measures of Effectiveness (MOE), and after action reports, etc.)
E5	CORE	Report time-sensitive information
E5	NON-CORE	Utilize capabilities to enable access to networks of interest
E7	CORE	Validate operational documents
E5	CORE	Verify Mission Relevant Terrain in Cyberspace (MRT-C)
E4	CORE	Verify operational authorities
E5	CORE	Verify operational environments for key terrain in cyberspace

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Control access to Sensitive Compartmented Information Facility (SCIF)
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E4	CORE	Document receipt of Sensitive Compartmented Information (SCI) materials
E4	CORE	Implement Emergency Action Plan (EAP)
E4	CORE	Inventory Sensitive Compartmented Information (SCI) materials
E4	CORE	Safeguard Sensitive Compartmented Information (SCI) materials
E4	CORE	Store Sensitive Compartmented Information (SCI) materials

Job Title **Job Code**

Offensive Cyberspace Analyst 003109

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Protective Service	TBD	OFFENSIVE CYBERSPACE ANALYST	OFF CYB ANLYST

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CWT	NEC HXXX and 7XXX series and other NECs as assigned

Job Description

Offensive Cyberspace Analysts analyze metadata and content information to determine intelligence value, and reconstruct/document target networks; employ geospatial analysis techniques, maintain operational continuity, ensure continued collection, provide indications and warning, identify users, and all activities of associated targets; analyze target implementation of communication technologies and digital network systems by identifying vulnerabilities and potential exploitation vectors, suggest strategies and methods for target network, host system, and software and hardware exploitation.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Cyberspace Operations, General	127000	Intelligence Analysts	33-3021.06	Protective Service

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Systems Analysis	*Inductive Reasoning*
Judgment and Decision Making	*Information Ordering*
Complex Problem Solving	*Written Expression*
Coordination	*Selective Attention*
Systems Evaluation	*Problem Sensitivity*
Monitoring	*Speed of Closure*
Operations Analysis	*Written Comprehension*
Active Learning	*Originality*
Management of Material Resources	*Oral Expression*

CYBER RESEARCH, DEVELOPMENT, AND EVALUATION

Paygrade	Task Type	Task Statements
E6	CORE	Collaborate with Intelligence Community (IC) to obtain targeting or emerging technologies information
E7	CORE	Coordinate with customers about operational tool and platform requirements
E4	CORE	Formulate regular expression statements
E4	CORE	Interpret source code at a basic level
E4	CORE	Perform Boolean logic
E4	CORE	Perform discrete math functions

CYBERSPACE ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze audit and log files on Information Systems
E4	CORE	Analyze cloud technology
E4	CORE	Analyze common system services
E4	CORE	Analyze data to reconstruct and document target networks
E4	CORE	Analyze identified malicious activity (e.g., determine weaknesses exploited, exploitation methods, effects on system and information, etc.)
E4	CORE	Analyze intrusion set activities
E4	NON-CORE	Analyze memory capture
E4	CORE	Analyze metadata and data of targeting significance

CYBERSPACE ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Analyze mobile operating system characteristics
E4	CORE	Analyze network and system artifacts to identify potential malicious activity (e.g., logs, malware, and system configuration files, etc.)
E4	CORE	Analyze network or system alerts from various sources
E4	CORE	Analyze network security architecture components
E4	CORE	Analyze network traffic to identify anomalous activity and potential threats
E4	CORE	Analyze Operating System (OS) characteristics
E4	CORE	Analyze operational environments for key terrain in cyberspace
E4	CORE	Analyze Operational Technology (OT) (e.g., Supervisory Control and Data Acquisition/Industrial Control Systems (SCADA/ICS), etc.)
E4	CORE	Analyze raw data
E4	CORE	Analyze remote system environments
E4	CORE	Analyze remote target network composition
E4	CORE	Analyze scanning activity
E4	CORE	Analyze software and hardware
E4	CORE	Analyze system, event, and network logs
E4	CORE	Analyze target capabilities
E4	CORE	Analyze target implementation of technologies and digital network systems
E4	CORE	Analyze threat Tactics, Techniques, and Procedures (TTP)
E4	CORE	Analyze virtualization services
E5	NON-CORE	Assess physical characteristics of the target environment
E4	CORE	Assess target network vulnerabilities
E5	CORE	Assess threat Tactics, Techniques, and Procedures (TTP)
E5	CORE	Conduct in-depth target and technical analysis, to include target-specific information (e.g., cultural, organizational, political, etc.)
E5	NON-CORE	Conduct media analysis (e.g. mobile devices, hard drives, etc.)
E5	NON-CORE	Conduct Pattern of Life (POL) analysis
E5	CORE	Conduct tactical mission analysis
E4	CORE	Define basic structure and architecture of networks
E4	CORE	Detect metadata and data of targeting significance
E4	CORE	Detect network vulnerabilities
E4	CORE	Develop target templates
E4	CORE	Differentiate incidents and events from benign activities
E5	CORE	Evaluate collection requirements
E4	CORE	Evaluate containerization services
E6	CORE	Evaluate cyberspace-related Tactics, Techniques, and Procedures (TTP)
E5	CORE	Evaluate remote system environments
E5	CORE	Evaluate scanning activity
E5	NON-CORE	Evaluate threats based upon vulnerabilities
E5	CORE	Evaluate virtualization services

CYBERSPACE ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Identify access vectors for networks of interest
E4	CORE	Identify applications and operating systems of a network device based on network traffic
E4	CORE	Identify communication transmission infrastructure
E5	CORE	Identify intelligence gaps
E4	CORE	Identify technical solutions from all source data
E6	CORE	Manage collection requirements
E7	NON-CORE	Manage unit priority target lists
E4	CORE	Perform all source research
E4	CORE	Perform endpoint analysis (clients and servers)
E4	CORE	Perform file signature analysis
E4	CORE	Perform file system analysis
E4	CORE	Perform initial target development
E4	CORE	Perform mid-point analysis (e.g., routers, firewalls, switches, etc.)
E4	CORE	Perform network traffic analysis
E5	NON-CORE	Perform target geospatial analysis
E4	CORE	Perform timeline analysis
E4	CORE	Perform wireless analysis
E4	CORE	Perform wireless source validation
E4	CORE	Process data sets to tailor analytic efforts
E5	CORE	Recommend targets based on all source reporting
E4	CORE	Reconnoiter remote targets (physical and virtual) for capability pre-positioning
E6	NON-CORE	Validate Operational Technology (OT) (e.g. Supervisory Control and Data Acquisition/Industrial Control Systems (SCADA/ICS))
E6	NON-CORE	Validate target and collection requests
E5	CORE	Verify Operational Technology (OT) (e.g. Supervisory Control and Data Acquisition/Industrial Control Systems (SCADA/ICS))

CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Allocate resources to support Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO)
E4	CORE	Apply exploitation methodology
E5	NON-CORE	Assess Maritime Wireless Pattern of Life (POL)
E4	CORE	Assess operational environment
E5	CORE	Assess technical impact of tools and Tactics, Techniques, and Procedures (TTP) on a specific target
E4	CORE	Brief operational and intelligence updates
E4	CORE	Collect host and network data
E4	CORE	Communicate with intelligence analysts and targeting organizations
E7	CORE	Conduct capabilities management
E6	CORE	Conduct cyberspace engagement

CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Confirm authorities and Standing Rules of Engagement (SROE) for Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) planning
E7	CORE	Coordinate Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO)
E7	NON-CORE	Coordinate Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) with Special Access Program (SAP)/Integrated Joint Special Technical Operations (IJSTO) planners
E4	NON-CORE	Create target and collection requests
E6	CORE	Cross-check operational performance indicators (e.g., Battle Damage Assessment (BDA), Measures of Performance (MOP), Measures of Effectiveness (MOE), etc.)
E7	CORE	Develop operational partnerships
E5	CORE	Evaluate defense posture
E6	CORE	Evaluate mission impact of tools and techniques on specific targets
E5	CORE	Evaluate operational documents
E4	CORE	Initiate Requests for Information (RFI)
E6	CORE	Integrate cyberspace collections in intelligence gathering operations
E4	CORE	Maintain operational situational awareness
E6	CORE	Maintain project management
E5	CORE	Maintain target situational awareness
E4	CORE	Navigate file systems
E5	NON-CORE	Nominate remote targets for software pre-positioning
E4	NON-CORE	Perform Cyberspace Threat Hunting (CTH)
E4	CORE	Perform host enumeration
E4	CORE	Perform network enumeration
E4	CORE	Perform network reconnaissance
E4	NON-CORE	Perform offensive tactics in support of Defensive Cyberspace Operations (DCO)
E5	CORE	Perform operational and tactical deconfliction
E4	CORE	Perform scanning activity
E4	CORE	Prepare summary report of events
E5	CORE	Prepare technical aspects of organic products (e.g., reports, working aids, Concept of Operations (CONOPS), etc.)
E4	CORE	Provide input for organic products (e.g., reports, working aids, Concept of Operations (CONOPS), etc.)
E4	NON-CORE	Provide target Positive Identification (PID)
E4	CORE	Provide time sensitive reporting information (e.g., Critical Intelligence Communication (CRITIC), Commanders Critical Information Requirements (CCIR), voice reports, etc.)
E4	CORE	Provide timely detection, identification, and alerting of possible attacks/intrusions, anomalous activities, and misuse activities
E4	CORE	Recognize Mission Relevant Terrain in Cyberspace (MRT-C)
E5	CORE	Relayed Defensive Cyberspace Operations/Offensive Cyberspace Operations (DCO/OCO) updates

CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Report current or emerging cyberspace threats, intrusions, incidents, and events
E5	CORE	Report cyberspace effects (e.g., Measures of Performance (MOP), Measures of Effectiveness (MOE), and after action reports, etc.)
E5	CORE	Report time-sensitive information
E6	CORE	Respond to formal Requests for Information (RFI)
E4	CORE	Support mission analysis
E7	CORE	Validate operational documents
E7	CORE	Validate target development recommendations
E5	CORE	Verify Mission Relevant Terrain in Cyberspace (MRT-C)
E4	CORE	Verify operational authorities
E5	CORE	Verify operational environments for key terrain in cyberspace

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Control access to Sensitive Compartmented Information Facility (SCIF)
E6	CORE	Coordinate legal compliance reviews
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E4	CORE	Document receipt of Sensitive Compartmented Information (SCI) materials
E4	CORE	Implement Emergency Action Plan (EAP)
E4	CORE	Inventory Sensitive Compartmented Information (SCI) materials
E4	CORE	Safeguard Sensitive Compartmented Information (SCI) materials
E4	CORE	Store Sensitive Compartmented Information (SCI) materials

CHAPTER 20

CRYPTOLOGIC TECHNICIAN (COLLECTION) (CTR)

NAVPERS 18068F-20N
Change 101

Updated: January 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

CRYPTOLOGIC TECHNICIAN (COLLECTION) (CTR)

SCOPE OF RATING

Cryptologic Technicians (Collection) (CTR) operate advanced computer systems to conduct Operations in the Information Environment (OIE) and support Cyberspace Operations; and collect, analyze, and exploit Signals of Interest (SOI) throughout the Radio Frequency (RF) spectrum to identify, locate, and report worldwide threats to provide Signals Intelligence (SIGINT), Counter Command, Control, Communications, Computer, and Cyber, Intelligence, Surveillance, Reconnaissance, and Targeting (C-C5ISRT), Indications and Warning (I&W), Counter Unmanned Systems (C-UxS), targeting, tactical, and digital network support to Warfare Commanders and National consumers supporting surface, subsurface, air, space, and special operations forces to maintain information superiority.

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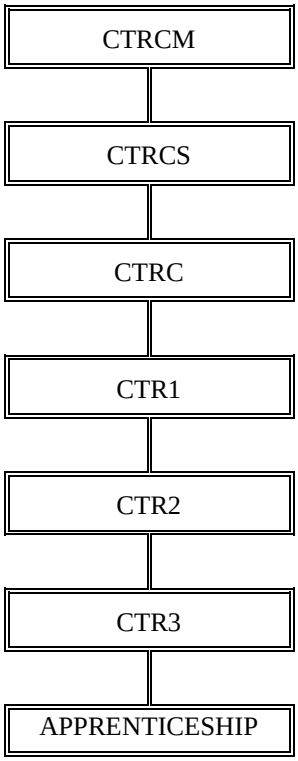
This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068M) as Chapter 20.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Analyst and Reporter 001072

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Protective Service	TBD	ANALYST AND REPORTER	ANLYST&REPORTR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTR	NEC CXXX series and other NECs as assigned

Job Description

Analysts and Reporters develop targets and plans in support of Operations in the Information Environment (OIE); collect, analyze, and fuse target communications and multiple source information to identify Essential Elements of Information (EEI) in order to map and develop target networks, and conduct geospatial analysis; access and manipulate databases; perform mission planning and fusion analysis; provide Signals Intelligence (SIGINT) trend analysis; and draft, disseminate, and sanitize SIGINT reports, cryptologic mission reports, and cryptologic and multiple source assessments to meet Fleet, Joint, and National requirements.

DoD Relationship

Group Title	*DoD Code*
Intercept Operators (Code and Non-Code)	123100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Intelligence Analysts	33-3021.06	Protective Service

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Judgment and Decision Making	*Inductive Reasoning*
Reading Comprehension	*Written Comprehension*
Complex Problem Solving	*Written Expression*
Coordination	*Information Ordering*
Management of Material Resources	*Speed of Closure*
Science	*Category Flexibility*
Mathematics	*Oral Expression*
Systems Analysis	*Problem Sensitivity*
Operation and Control	*Perceptual Speed*

FIREPOWER EMPLOYMENT

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Unmanned Systems (UxS) communications for targeting
E5	NON-CORE	Assess collateral effects of operations
E5	CORE	Assess Measures of Performance (MOP)
E4	CORE	Comply with Rules of Engagement (ROE)
E5	CORE	Conduct Counter-Unmanned Systems (C-UxS) operations
E5	CORE	Conduct Electronic Attack (EA) missions
E5	CORE	Develop communications Electronic Attack (EA) Concept of Operations (CONOPS)
E7	CORE	Develop communications Electronic Attack (EA) plans
E5	CORE	Evaluate Measures of Effectiveness (MOE)
E6	NON-CORE	Identify windows of opportunity for strikes
E6	NON-CORE	Inform effects-sequencing recommendations
E5	NON-CORE	Provide Signals Intelligence (SIGINT) support to targeting
E5	CORE	Support Battle Damage Assessments (BDA)

FORCE PROTECTION

Paygrade	Task Type	Task Statements
E5	CORE	Conduct Counter-Intelligence Surveillance Reconnaissance Targeting (C-ISRT)

FORCE PROTECTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Control access to restricted areas
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E5	NON-CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Document receipt of classified materials
E7	CORE	Enforce Operations Security (OPSEC)
E4	CORE	Implement Emergency Action Plans (EAP)
E7	CORE	Manage Sensitive Compartmented Information Facility (SCIF) accreditations
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Perform Counter-Intelligence, Surveillance, and Reconnaissance and Targeting (C-ISRT)
E4	CORE	Properly mark Sensitive Compartmented Information (SCI) materials
E4	CORE	Provide Military Deception (MILDEC) support
E4	CORE	Report Electronic Attack (EA) against friendly units, systems, links or nodes
E4	CORE	Safeguard Sensitive Compartmented Information (SCI) materials
E5	CORE	Supervise Emergency Action Plan (EAP) operations
E4	CORE	Transport Sensitive Compartmented Information (SCI) materials

INFORMATION OPERATION SUPPORT

Paygrade	Task Type	Task Statements
E5	CORE	Conduct Military Information Support Operations (MISO)
E7	CORE	Coordinate Operations in the Information Environment (OIE)
E7	CORE	Manage Operations in the Information Environment (OIE) efforts
E4	CORE	Provide Indications and Warnings (I&W) to tactical commanders
E6	NON-CORE	Provide input to Counter-Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, Reconnaissance, and Target (C-C5ISRT) planning process

INTEGRATED TARGETING CAPABILITY

Paygrade	Task Type	Task Statements
E5	NON-CORE	Advise target vectoring
E5	NON-CORE	Analyze adversary critical capabilities, requirements, and vulnerabilities
E5	CORE	Develop targets in support of Commander's intent
E5	NON-CORE	Evaluate threat envelopes
E5	NON-CORE	Identify adversary critical capabilities, requirements, and vulnerabilities
E5	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)
E4	NON-CORE	Identify target from multiple intelligence sources
E4	CORE	Identify traffic source for targeting
E6	CORE	Integrate targeting efforts with other organization and combatant commands
E5	NON-CORE	Perform non-traditional targeting
E5	CORE	Provide target nomination recommendations which meet Commander's objectives

INTEGRATED TARGETING CAPABILITY (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Provide target Positive Identification (PID)
E5	CORE	Provide targeting Combat Identification (CID) recommendations
E5	NON-CORE	Provide Time Sensitive Target (TST) operations intelligence support
E4	NON-CORE	Support track management and target identification

INTELLIGENCE ANALYSIS AND PRODUCTION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze Command and Control (C2) networks for critical nodes
E5	NON-CORE	Analyze Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, Reconnaissance, and Target (C5ISRT) networks for critical nodes
E4	CORE	Analyze communication device capabilities
E4	CORE	Analyze Communication External (COMEXT)
E4	CORE	Analyze intercept of Essential Elements of Information (EEI)
E4	CORE	Analyze Satellite Communications (SATCOM) elements
E4	CORE	Assign identifiers to target platforms
E5	NON-CORE	Conduct nodal analysis
E5	NON-CORE	Conduct Sensitive Site Exploitation (SSE) analysis
E4	CORE	Construct Order of Battle (OOB)
E4	CORE	Determine intelligence document source
E5	CORE	Develop Area of Responsibility (AOR) target data
E5	NON-CORE	Develop network maps
E5	NON-CORE	Develop Pattern-of-Life (POL) analysis profile
E5	CORE	Develop target packages
E5	CORE	Develop target profiles
E4	CORE	Draft fused Signals Intelligence (SIGINT) reports
E4	CORE	Draft intelligence product reports
E5	CORE	Draft post-mission products
E4	CORE	Draft time-sensitive reports
E5	CORE	Edit serialized intelligence reports for dissemination
E4	NON-CORE	Fuse technical data to develop target communications profiles
E4	CORE	Generate Request for Information (RFI)
E4	NON-CORE	Identify target communications within the global network
E4	NON-CORE	Identify the functions of a target's network elements
E6	NON-CORE	Manage Radio Frequency (RF) propagation modeling
E5	CORE	Map communications networks
E5	NON-CORE	Perform advanced characterization of the electronic environment
E5	NON-CORE	Perform asset source validation
E4	CORE	Perform content analysis
E4	CORE	Perform geolocation analysis

INTELLIGENCE ANALYSIS AND PRODUCTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform metadata analysis
E4	CORE	Perform multi-source analysis
E6	NON-CORE	Perform predictive assessment of adversary actions
E5	NON-CORE	Perform Radio Frequency (RF) propagation modeling
E5	CORE	Perform Signals Intelligence (SIGINT) fusion analysis
E4	NON-CORE	Perform Signals Intelligence (SIGINT) Geospatial Analysis (SGA)
E4	CORE	Perform Signals Intelligence (SIGINT) research using Intelligence Community (IC) databases
E4	CORE	Perform traffic analysis
E5	NON-CORE	Perform unattended sensor analysis
E5	NON-CORE	Perform untethered analysis
E4	CORE	Produce area of interest briefs
E5	CORE	Produce target communications profiles using technical data
E4	CORE	Provide response to Request for Information (RFI)
E5	CORE	Research network technologies
E4	CORE	Research Open Source Intelligence (OSINT)
E5	CORE	Review time-sensitive reports
E5	NON-CORE	Support development of persona profiles
E6	CORE	Validate Signals Intelligence (SIGINT) product reports
E5	CORE	Verify collected information meets intelligence needs

INTELLIGENCE AND DATA COLLECTION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Analyze Electromagnetic (EM) spectrum for targeting
E5	CORE	Analyze system, event, and network logs
E4	CORE	Assess Indication & Warning (I&W) threats
E4	CORE	Execute commands within various Operating Systems (OS)
E5	NON-CORE	Input information to mission databases and collection repositories
E6	CORE	Maintain target lists (e.g., Regional Target List (RTL), Joint Target List (JTL), Combined Target List (CTL), etc.)
E6	CORE	Manage geolocation operations
E5	NON-CORE	Nominate unique identifiers
E4	CORE	Perform Boolean and Lucene logic
E4	CORE	Perform Direction Finding (DF) of Signals of Interest (SOI)
E4	CORE	Perform geolocation of Signals of Interest (SOI)
E5	CORE	Perform packet capture (PCAP)
E5	CORE	Provide feedback to developers on signals collection, processing, and analysis tools
E4	CORE	Review equipment status for operability
E6	CORE	Supervise Intelligence, Surveillance, and Reconnaissance (ISR) operations

INTELLIGENCE AND DATA COLLECTION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise Signals Intelligence (SIGINT) Intelligence, Surveillance, and Reconnaissance (ISR)
E4	CORE	Troubleshoot system equipment failures and errors
E4	CORE	Troubleshoot system software failures and errors
E5	CORE	Validate mission plans

INTELLIGENCE INTEGRATION AND DISSEMINATION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Brief cryptologic and intelligence products
E4	CORE	Brief Signal Intelligence (SIGINT) operations and capabilities
E6	NON-CORE	Conduct Knowledge Management (KM)
E5	CORE	Coordinate target analysis with external units
E4	CORE	Disseminate time-sensitive reports
E6	CORE	Enforce compliance with Intelligence Oversight (IO) requirements
E6	CORE	Evaluate analysis and reporting operations
E7	CORE	Manage dataflow
E7	CORE	Manage dissemination of Signals Intelligence (SIGINT) reports
E7	CORE	Manage Signals Intelligence (SIGINT) Indications and Warnings (I&W)
E4	CORE	Perform dataflow
E6	NON-CORE	Release serialized intelligence reports for dissemination
E5	CORE	Sanitize cryptologic data for dissemination
E6	CORE	Supervise dataflow

INTELLIGENCE PLANNING AND DIRECTION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Align tasking to mission requirements
E6	CORE	Analyze collection metrics
E4	CORE	Analyze collection sources
E7	CORE	Assign assets and resources to meet intelligence requirements
E5	CORE	Collaborate with Intelligence Community (IC) analysts
E5	CORE	Compile collection metrics
E5	NON-CORE	Conduct Intelligence Preparation of the Operating Environment (IPOE)
E5	NON-CORE	Conduct Joint Intelligence Preparation of the Operational Environment (JIPOE)
E7	NON-CORE	Construct collection matrix
E7	CORE	Construct collection plans
E4	CORE	Construct Signals Intelligence (SIGINT) Order of Battle (OOB)
E6	CORE	Coordinate available intelligence resources
E7	CORE	Coordinate Concept of Operations (CONOPS) through Stakeholders
E5	CORE	Coordinate geolocation operations
E7	CORE	Coordinate mission operations

INTELLIGENCE PLANNING AND DIRECTION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklist
E5	NON-CORE	Coordinate target vetting with appropriate partners
E7	NON-CORE	Coordinate with Special Access Program (SAP)/Integrated Joint Special Technical Operations (IJSTO) planners/Review and Approval Process (RAP)
E7	CORE	Create cryptologic tasking for mission requirements
E7	CORE	Cross-check Intelligence Requirements (IR)
E5	NON-CORE	Deconflict frequency usage
E5	NON-CORE	Deconflict network operations
E5	CORE	Determine collection gaps
E7	NON-CORE	Determine intelligence gaps
E6	CORE	Determine requirements for collection
E6	NON-CORE	Determine Signals Intelligence (SIGINT) capabilities of assets relevant to specific target area
E5	NON-CORE	Develop communications Electronic Attack (EA) briefs
E7	CORE	Develop mission tasking in accordance with the National Intelligence Priorities Framework (NIPF)
E7	NON-CORE	Develop Signals Intelligence (SIGINT)/Electronic Warfare (EW) plans
E5	NON-CORE	Develop target templates
E7	CORE	Direct Signals Intelligence (SIGINT) taskings
E7	CORE	Draft Signals Intelligence (SIGINT) operations policies and procedures
E5	NON-CORE	Establish communications infrastructure for data exfiltration
E7	CORE	Evaluate collection metrics
E4	CORE	Identify information flow within the intelligence cycle (Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED))
E4	CORE	Identify limitations of tools, techniques, and analytics
E4	CORE	Implement United States Signals Intelligence Directives (USSID)
E7	CORE	Incorporate Commander's Critical Information Requirements (CCIR) to include priority intelligence requirements (PIR) into collection management activities
E6	NON-CORE	Manage accesses on a Mission Correlation Table (MCT)
E7	CORE	Manage Critical (CRITIC) message programs
E7	CORE	Manage cryptologic material condition readiness
E7	CORE	Manage Signals Intelligence (SIGINT) and mission requirement resources
E5	NON-CORE	Perform database auditing
E5	NON-CORE	Predict equipment performance characteristics based on atmospheric data
E7	CORE	Prioritize Intelligence Requirements (IR)
E6	NON-CORE	Provide coordination, validation, and management assistance of intelligence collection requirements, plans, and/or activities

INTELLIGENCE PLANNING AND DIRECTION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Provide coordination, validation, and management assistance of Signals Intelligence (SIGINT) collection requirements, plans, and/or activities
E4	NON-CORE	Provide input to Concept of Operations (CONOPS)
E7	CORE	Submit cryptologic capabilities requirements for implementation and mission sustainment
E6	NON-CORE	Submit priority recommendations to support Commander's Critical Information Requirements (CCIR)
E7	CORE	Validate Collection Management Authority (CMA) requirements
E7	NON-CORE	Validate Collection Management Authority (CMA) requirements in support of Intelligence, Surveillance and Reconnaissance (ISR) Concept of Operations (CONOPS)
E5	CORE	Verify mission taskings

INTELLIGENCE PROCESSING AND EXPLOITATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze digital speech
E4	CORE	Analyze Foreign Instrumentation Signals Intelligence (FISINT)
E4	CORE	Analyze modems
E4	CORE	Analyze multiple access schemes
E4	CORE	Analyze non-communications signals
E4	CORE	Analyze PROFORMA
E4	CORE	Analyze short duration signals
E4	CORE	Analyze Unmanned Systems (UxS) communications for exploitation
E4	CORE	Analyze Very High Frequency/Ultra High Frequency/Push To Talk (V/UHF/PTT) communications for exploitation
E4	NON-CORE	Analyze wireless communications for targeting
E5	CORE	Conduct analysis with Counter-Unmanned Systems (C-UxS)
E5	NON-CORE	Construct tools for analysis
E4	CORE	Convert numbering systems
E4	CORE	Correlate case notations
E4	CORE	Determine Communication Emitter Notations (CENOT)
E5	NON-CORE	Develop automation processes
E5	NON-CORE	Develop scripts and programs
E5	NON-CORE	Perform bulk-data manipulation
E5	NON-CORE	Perform media analysis (e.g., memory, phones, physical devices, etc.)
E4	NON-CORE	Perform protocol analysis
E4	CORE	Perform target exploitation operations
E5	NON-CORE	Perform technical Signals Intelligence (SIGINT) target analysis

NETWORK EXPLOITATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze digital network communications
E5	NON-CORE	Analyze network device configurations
E5	NON-CORE	Analyze network traffic to identify anomalous activity and potential threats
E5	NON-CORE	Analyze network vulnerabilities
E5	NON-CORE	Conduct mid-point analysis
E5	NON-CORE	Determine basic structure and architecture of networks
E5	NON-CORE	Determine Operating System (OS) characteristics
E5	NON-CORE	Determine software and hardware vulnerabilities
E5	NON-CORE	Evaluate information networks defensive posture of target networks
E5	NON-CORE	Identify access vectors for networks of interest

TRAINING

Paygrade	Task Type	Task Statements
E7	CORE	Conduct cryptologic certifications
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E7	CORE	Coordinate pre-deployment training requirements
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), Outlaw in a Box (OiaB), Signals Intelligence (SIGINT) Processing, Analysis, and Reporting Course (SPARC), etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E5	CORE	Maintain awareness of advancements in hardware and software technologies and their potential vulnerabilities
E7	NON-CORE	Manage Command Readiness Training Team (CRTT)
E7	CORE	Manage fleet training requirements for Operations in the Information Environment (OIE)
E7	NON-CORE	Support wargaming

Job Title **Job Code**

Signals Analyst 001077

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	SIGNALS ANALYST	SIGNALS ANLYST

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTR	NECs CXXX series and other any NECs as assigned

Job Description

Signals Analysts conduct signals search, analysis, target identification, and reporting operations; develop, evaluate, and execute target mission plans to include exploitation, manipulation, and management of the Electromagnetic (EM) spectrum; collect and process Signals of Interest (SOI) employing demodulation, demultiplexing techniques, and coding theory; perform in-depth analysis of waveform propagation, theory, reporting of signals, and provide locational data; research and develop signals; perform digital communications and bit stream analysis; construct waveforms in support of Operations in the Information Environment (OIE) and integrated fires; conduct protocol analysis; and develop automated processes to meet Fleet, Joint, and National requirements.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Intercept Operators (Code and Non-Code)	123100	Mathematicians	15-2021.00	Computer and Mathematical

Skills	Abilities
Science	*Deductive Reasoning*
Mathematics	*Information Ordering*
Critical Thinking	*Inductive Reasoning*
Reading Comprehension	*Written Comprehension*
Complex Problem Solving	*Written Expression*
Judgment and Decision Making	*Speed of Closure*
Operation and Control	*Flexibility of Closure*
Management of Material Resources	*Category Flexibility*
Coordination	*Problem Sensitivity*
Writing	*Oral Expression*

FIREPOWER EMPLOYMENT

Paygrade	Task Type	Task Statements
E5	CORE	Create Electronic Attack (EA) waveforms
E5	CORE	Support Battle Damage Assessments (BDA)

FORCE PROTECTION

Paygrade	Task Type	Task Statements
E4	CORE	Control access to restricted areas
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Document receipt of classified materials
E7	CORE	Enforce Operations Security (OPSEC)
E4	CORE	Implement Emergency Action Plans (EAP)
E7	CORE	Manage Sensitive Compartmented Information Facility (SCIF) accreditations
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Properly mark Sensitive Compartmented Information (SCI) materials
E4	CORE	Provide Military Deception (MILDEC) support
E4	CORE	Safeguard Sensitive Compartmented Information (SCI) materials

FORCE PROTECTION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise Emergency Action Plan (EAP) operations
E4	CORE	Transport Sensitive Compartmented Information (SCI) materials

INFORMATION OPERATION SUPPORT

Paygrade	Task Type	Task Statements
E7	CORE	Manage Operations in the Information Environment (OIE) efforts

INTEGRATED TARGETING CAPABILITY

Paygrade	Task Type	Task Statements
E5	CORE	Provide target nomination recommendations which meet Commander's objectives

INTELLIGENCE ANALYSIS AND PRODUCTION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze communication device capabilities
E4	CORE	Analyze intercept of Essential Elements of Information (EEI)
E4	CORE	Analyze Satellite Communications (SATCOM) elements
E4	CORE	Assign identifiers to target platforms
E4	CORE	Construct Order of Battle (OOB)
E4	CORE	Determine intelligence document source
E5	CORE	Develop Area of Responsibility (AOR) target data
E5	CORE	Draft post-mission products
E5	NON-CORE	Draft signals analysis briefs
E5	CORE	Draft signals analysis reports
E4	CORE	Generate Request for Information (RFI)
E6	NON-CORE	Perform advanced bit stream analysis
E5	NON-CORE	Perform advanced characterization of the electronic environment
E4	CORE	Perform content analysis
E4	CORE	Perform geolocation analysis
E5	NON-CORE	Perform intermediate bit stream analysis
E4	CORE	Perform metadata analysis
E4	CORE	Perform Signals Intelligence (SIGINT) research using Intelligence Community (IC) databases
E5	NON-CORE	Perform unattended sensor analysis
E5	CORE	Produce target communications profiles using technical data
E4	CORE	Provide response to Request for Information (RFI)
E5	CORE	Research network technologies
E4	CORE	Research Open Source Intelligence (OSINT)
E5	CORE	Review time-sensitive reports
E5	CORE	Verify collected information meets intelligence needs

INTELLIGENCE AND DATA COLLECTION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Electromagnetic (EM) spectrum for exploitation
E5	CORE	Analyze system, event, and network logs
E5	NON-CORE	Check Signal Descriptor Files (SDF) performance
E4	CORE	Collect Signals of Interest (SOI)
E5	NON-CORE	Create Signal Descriptor Files (SDF)
E4	CORE	Demodulate Signals of Interest (SOI)
E4	CORE	Execute commands within various Operating Systems (OS)
E5	NON-CORE	Exploit modulation types
E4	CORE	Identify Signals of Interest (SOI)
E5	NON-CORE	Input information to mission databases and collection repositories
E4	CORE	Modify Signal Descriptor Files (SDF)
E5	CORE	Optimize collection systems
E4	CORE	Perform Boolean and Lucene logic
E4	NON-CORE	Perform remote access operations
E5	NON-CORE	Perform Signal Research Technical Development (SRTD) operations
E4	CORE	Perform Signals Research and Target Development (SRTD)
E4	CORE	Perform wireless surveys
E5	CORE	Provide feedback to developers on signals collection, processing, and analysis tools
E4	CORE	Review equipment status for operability
E4	CORE	Troubleshoot system equipment failures and errors
E4	CORE	Troubleshoot system software failures and errors
E5	CORE	Validate mission plans
E5	NON-CORE	Validate Signal Descriptor Files (SDF)
E4	CORE	Validate system Radio Frequency (RF) distribution paths

INTELLIGENCE INTEGRATION AND DISSEMINATION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Brief cryptologic and intelligence products
E4	CORE	Brief Signal Intelligence (SIGINT) operations and capabilities
E6	NON-CORE	Conduct Knowledge Management (KM)
E6	CORE	Enforce compliance with Intelligence Oversight (IO) requirements
E4	CORE	Forward digitized signals
E7	CORE	Manage dataflow
E4	CORE	Perform dataflow
E5	CORE	Sanitize cryptologic data for dissemination
E6	CORE	Supervise dataflow

INTELLIGENCE PLANNING AND DIRECTION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Align tasking to mission requirements

INTELLIGENCE PLANNING AND DIRECTION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Analyze collection metrics
E4	CORE	Analyze collection sources
E7	CORE	Assign assets and resources to meet intelligence requirements
E5	CORE	Collaborate with Intelligence Community (IC) analysts
E5	CORE	Compile collection metrics
E4	CORE	Construct Signals Intelligence (SIGINT) Order of Battle (OOB)
E7	CORE	Coordinate mission operations
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklist
E7	NON-CORE	Coordinate with Special Access Program (SAP)/Integrated Joint Special Technical Operations (IJSTO) planners/Review and Approval Process (RAP)
E7	CORE	Create cryptologic tasking for mission requirements
E7	CORE	Cross-check Intelligence Requirements (IR)
E6	CORE	Determine requirements for collection
E7	CORE	Draft Signals Intelligence (SIGINT) operations policies and procedures
E7	CORE	Evaluate collection metrics
E4	CORE	Identify information flow within the intelligence cycle (Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED))
E4	CORE	Identify limitations of tools, techniques, and analytics
E4	CORE	Implement United States Signals Intelligence Directives (USSID)
E7	CORE	Incorporate Commander's Critical Information Requirements (CCIR) to include priority intelligence requirements (PIR) into collection management activities
E6	NON-CORE	Manage accesses on a Mission Correlation Table (MCT)
E7	CORE	Manage Critical (CRITIC) message programs
E7	CORE	Manage cryptologic material condition readiness
E7	CORE	Manage System Operational Verification Tests (SOVT)
E5	NON-CORE	Perform database auditing
E7	CORE	Prioritize Intelligence Requirements (IR)
E6	CORE	Provide coordination, validation, and management assistance of Signals Intelligence (SIGINT) collection requirements, plans, and/or activities
E4	NON-CORE	Provide input to Concept of Operations (CONOPS)
E7	CORE	Submit cryptologic capabilities requirements for implementation and mission sustainment
E6	NON-CORE	Submit priority recommendations to support Commander's Critical Information Requirements (CCIR)

INTELLIGENCE PROCESSING AND EXPLOITATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze digital speech
E4	CORE	Analyze Foreign Instrumentation Signals Intelligence (FISINT)
E4	CORE	Analyze modems

INTELLIGENCE PROCESSING AND EXPLOITATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Analyze multiple access schemes
E4	CORE	Analyze non-communications signals
E4	CORE	Analyze PROFORMA
E5	NON-CORE	Analyze pulse code formats
E4	CORE	Analyze short duration signals
E5	CORE	Analyze signal internal non-information bits
E5	NON-CORE	Analyze spread spectrum Signals of Interest (SOI)
E4	CORE	Analyze Unmanned Systems (UxS) communications for exploitation
E5	CORE	Analyze Unmanned Systems (UxS) technical communications elements
E4	CORE	Analyze Very High Frequency/Ultra High Frequency/Push To Talk (V/UHF/PTT) communications for exploitation
E4	CORE	Analyze wireless communications for exploitation
E5	NON-CORE	Construct tools for analysis
E4	CORE	Convert numbering systems
E4	CORE	Correlate case notations
E4	CORE	Demodulate basic signals
E5	NON-CORE	Demultiplex intermediate signals
E5	NON-CORE	Demultiplex known signals
E6	NON-CORE	Demultiplex unknown signals
E5	NON-CORE	Detect anomalies through signals analysis
E4	CORE	Detect bit synchronizers
E4	CORE	Determine Communication Emitter Notations (CENOT)
E4	NON-CORE	Determine digital line coding schemes
E4	CORE	Determine error detection and correction schemes
E4	CORE	Determine Linear Recursive Sequences (LRS)
E4	CORE	Determine short duration and non-communications signals
E5	NON-CORE	Develop automation processes
E5	NON-CORE	Develop scripts and programs
E4	CORE	Identify Communication External (COMEXT)
E4	CORE	Identify Foreign Instrumentation Signals Intelligence (FISINT)
E4	CORE	Identify PROFORMA
E6	NON-CORE	Perform advanced demodulations
E4	CORE	Perform basic bit stream analysis
E4	NON-CORE	Perform protocol analysis
E5	NON-CORE	Perform signal internal decryption
E5	NON-CORE	Perform signal-encryption analysis
E5	NON-CORE	Perform technical Signals Intelligence (SIGINT) target analysis
E4	CORE	Perform waveform analysis

INTELLIGENCE PROCESSING AND EXPLOITATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform wavelength to frequency conversions
E4	CORE	Process digital network communications
E4	CORE	Process Signals of Interest (SOI)
E4	CORE	Verify internal signal structures

NETWORK EXPLOITATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze digital network communications
E5	NON-CORE	Analyze network vulnerabilities
E5	NON-CORE	Analyze standard and non-standard protocols
E6	NON-CORE	Analyze unknown protocols
E5	NON-CORE	Conduct proximal access network operations
E5	NON-CORE	Determine basic structure and architecture of networks

TRAINING

Paygrade	Task Type	Task Statements
E7	CORE	Conduct cryptologic certifications
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E7	CORE	Coordinate pre-deployment training requirements
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), Outlaw in a Box (OiaB), Signals Intelligence (SIGINT) Processing, Analysis, and Reporting Course (SPARC), etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E5	CORE	Maintain awareness of advancements in hardware and software technologies and their potential vulnerabilities
E7	NON-CORE	Manage Command Readiness Training Team (CRTT)
E7	NON-CORE	Support wargaming

Job Title

Collection Operator

Job Code

002746

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	COLLECTION OPERATOR	COLL OPERATOR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTR	NEC CXXX series and other NECs as assigned

Job Description

Collection Operators operate and manage collection systems to intercept and analyze Signals of Interests (SOI) for the purpose of identification, exploitation, and reporting; identify, track, and report adversary geospatial locations to support target identification, military operations, and Indications and Warning (I&W); perform Operations in the Information Environment (OIE); perform own force monitoring; optimize Signals Intelligence (SIGINT) collection resources; and prioritize tasking in support of Fleet, Joint, and National requirements.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Intercept Operators (Code and Non-Code)	123100	Information Security Analysts	15-1212.00	Computer and Mathematical

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Operation and Control	*Inductive Reasoning*
Reading Comprehension	*Written Comprehension*
Management of Material Resources	*Information Ordering*
Coordination	*Written Expression*
Judgment and Decision Making	*Speed of Closure*
Science	*Category Flexibility*
Complex Problem Solving	*Problem Sensitivity*
Equipment Selection	*Oral Expression*
Mathematics	*Spatial Orientation*

FIREPOWER EMPLOYMENT

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Unmanned Systems (UxS) communications for targeting
E5	NON-CORE	Assess collateral effects of operations
E5	CORE	Assess Measures of Performance (MOP)
E4	CORE	Collect Battle Damage Indicators (BDI)
E4	CORE	Comply with Rules of Engagement (ROE)
E5	CORE	Conduct Counter-Unmanned Systems (C-UxS) operations
E5	CORE	Conduct Electronic Attack (EA) missions
E5	NON-CORE	Conduct ground terminal guidance operations
E5	CORE	Create Electronic Attack (EA) waveforms
E5	CORE	Develop communications Electronic Attack (EA) Concept of Operations (CONOPS)
E7	CORE	Develop communications Electronic Attack (EA) plans
E5	CORE	Evaluate Measures of Effectiveness (MOE)
E6	NON-CORE	Identify windows of opportunity for strikes
E5	CORE	Support Battle Damage Assessments (BDA)

FORCE PROTECTION

Paygrade	Task Type	Task Statements
E5	CORE	Conduct Counter-Intelligence Surveillance Reconnaissance Targeting (C-ISRT)

FORCE PROTECTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Control access to restricted areas
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E5	NON-CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Document receipt of classified materials
E7	CORE	Enforce Operations Security (OPSEC)
E5	NON-CORE	Establish Temporary-Sensitive Compartmented Information Facility (T-SCIF)
E4	CORE	Identify Electromagnetic Interference (EMI)
E4	CORE	Implement Emergency Action Plans (EAP)
E6	CORE	Manage Own Force Monitoring (OFM)
E7	CORE	Manage Sensitive Compartmented Information Facility (SCIF) accreditations
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Perform Counter-Intelligence, Surveillance, and Reconnaissance and Targeting (C-ISRT)
E4	CORE	Perform Own Force Monitoring (OFM)
E4	CORE	Properly mark Sensitive Compartmented Information (SCI) materials
E4	CORE	Provide Military Deception (MILDEC) support
E4	CORE	Report Electronic Attack (EA) against friendly units, systems, links or nodes
E4	CORE	Safeguard Sensitive Compartmented Information (SCI) materials
E5	CORE	Supervise Emergency Action Plan (EAP) operations
E5	NON-CORE	Support Keyed Material Inventory (KMI) Operations
E4	CORE	Transport Sensitive Compartmented Information (SCI) materials

INFORMATION OPERATION SUPPORT

Paygrade	Task Type	Task Statements
E5	CORE	Conduct Military Information Support Operations (MISO)
E7	CORE	Coordinate Operations in the Information Environment (OIE)
E5	NON-CORE	Establish Command and Control (C2) link for Unmanned Systems (UxS) payloads
E4	CORE	Maintain position logs
E7	CORE	Manage Operations in the Information Environment (OIE) efforts
E5	NON-CORE	Manage system software updates
E4	CORE	Perform Electronic Warfare (EW) support
E4	CORE	Provide Indications and Warnings (I&W) to tactical commanders
E6	NON-CORE	Provide input to Counter-Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, Reconnaissance, and Target (C-C5ISRT) planning process

INTEGRATED TARGETING CAPABILITY

Paygrade	Task Type	Task Statements
E5	NON-CORE	Advise target vectoring
E5	NON-CORE	Analyze adversary critical capabilities, requirements, and vulnerabilities
E5	NON-CORE	Evaluate threat envelopes

INTEGRATED TARGETING CAPABILITY (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Identify adversary critical capabilities, requirements, and vulnerabilities
E5	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)
E4	NON-CORE	Identify target from multiple intelligence sources
E6	CORE	Integrate targeting efforts with other organization and combatant commands
E5	CORE	Provide target nomination recommendations which meet Commander's objectives
E5	CORE	Provide targeting Combat Identification (CID) recommendations
E4	NON-CORE	Support track management and target identification

INTELLIGENCE ANALYSIS AND PRODUCTION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze communication device capabilities
E4	CORE	Analyze Communication External (COMEXT)
E4	CORE	Analyze intercept of Essential Elements of Information (EEI)
E4	CORE	Analyze Satellite Communications (SATCOM) elements
E4	CORE	Assign identifiers to target platforms
E5	NON-CORE	Conduct Sensitive Site Exploitation (SSE) analysis
E4	CORE	Construct Order of Battle (OOB)
E4	CORE	Determine intelligence document source
E5	CORE	Develop Area of Responsibility (AOR) target data
E5	NON-CORE	Develop Pattern-of-Life (POL) analysis profile
E5	CORE	Draft post-mission products
E4	CORE	Draft time-sensitive reports
E4	CORE	Generate Request for Information (RFI)
E6	NON-CORE	Manage Radio Frequency (RF) propagation modeling
E5	NON-CORE	Perform advanced characterization of the electronic environment
E4	CORE	Perform content analysis
E4	CORE	Perform geolocation analysis
E4	CORE	Perform metadata analysis
E5	NON-CORE	Perform Radio Frequency (RF) propagation modeling
E4	CORE	Perform Signals Intelligence (SIGINT) research using Intelligence Community (IC) databases
E4	CORE	Perform traffic analysis
E5	NON-CORE	Perform untethered analysis
E4	CORE	Produce area of interest briefs
E4	CORE	Provide response to Request for Information (RFI)
E5	CORE	Research network technologies
E4	CORE	Research Open Source Intelligence (OSINT)
E5	CORE	Review time-sensitive reports
E6	CORE	Validate Signals Intelligence (SIGINT) product reports

INTELLIGENCE AND DATA COLLECTION

Paygrade	Task Type	Task Statements
E5	CORE	Verify collected information meets intelligence needs
E4	CORE	Allocate Signals Intelligence (SIGINT) collection resources to assigned tasking
E4	CORE	Analyze Electromagnetic (EM) spectrum for exploitation
E5	CORE	Analyze system, event, and network logs
E4	CORE	Assess Indication & Warning (I&W) threats
E5	NON-CORE	Check Signal Descriptor Files (SDF) performance
E4	CORE	Collect Signals of Interest (SOI)
E5	NON-CORE	Conduct low visibility collection operations/unconventional collections
E5	NON-CORE	Conduct tactical survey operations
E4	CORE	Configure systems for signals collection
E4	CORE	Create mission plans
E4	CORE	Demodulate Signals of Interest (SOI)
E4	CORE	Employ antennae for signals exploitation
E4	CORE	Employ receivers for signals exploitation
E4	CORE	Execute commands within various Operating Systems (OS)
E5	NON-CORE	Exploit modulation types
E5	NON-CORE	Fabricate collection equipment (Commercial Off The Shelf/Government Off The Shelf (COTS/GOTS))
E4	CORE	Identify Signals of Interest (SOI)
E4	CORE	Implement cryptologic tasking
E5	NON-CORE	Input information to mission databases and collection repositories
E6	CORE	Maintain target lists (e.g., Regional Target List (RTL), Joint Target List (JTL), Combined Target List (CTL), etc.)
E7	CORE	Manage collection of Signals of Interest (SOI)
E7	CORE	Manage collection system operations and configurations
E7	CORE	Manage exploitation of Electromagnetic (EM) spectrum
E6	CORE	Manage geolocation operations
E4	CORE	Modify Signal Descriptor Files (SDF)
E4	CORE	Monitor Signals of Interest (SOI) frequencies
E5	NON-CORE	Nominate unique identifiers
E5	NON-CORE	Operate Blue Force Unmanned Systems (UxS) sensors
E5	CORE	Optimize collection systems
E4	CORE	Perform Boolean and Lucene logic
E4	CORE	Perform Direction Finding (DF) of distress signals
E4	CORE	Perform Direction Finding (DF) of Signals of Interest (SOI)
E4	CORE	Perform geolocation of distress signals
E4	CORE	Perform geolocation of Signals of Interest (SOI)
E4	NON-CORE	Perform Morse Code operations
E5	CORE	Perform packet capture (PCAP)

INTELLIGENCE AND DATA COLLECTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Perform remote access operations
E4	NON-CORE	Perform shutdown procedures for collection systems
E5	NON-CORE	Perform Signal Research Technical Development (SRTD) operations
E5	CORE	Perform Signals Intelligence (SIGINT) Intelligence, Surveillance, and Reconnaissance (ISR)
E4	CORE	Perform Signals Research and Target Development (SRTD)
E4	NON-CORE	Perform startup procedures for collection systems
E5	NON-CORE	Perform tactical collection operations
E5	NON-CORE	Perform unattended sensor emplacement operations
E5	NON-CORE	Perform untethered collections
E4	CORE	Perform wireless surveys
E5	CORE	Provide feedback to developers on signals collection, processing, and analysis tools
E4	CORE	Record signals for post collection analysis
E4	CORE	Review equipment status for operability
E6	CORE	Supervise collection operations
E6	CORE	Supervise collection system operations and configurations
E6	CORE	Supervise collections of Signals of Interest (SOI)
E6	CORE	Supervise Intelligence, Surveillance, and Reconnaissance (ISR) operations
E6	CORE	Supervise Signals Intelligence (SIGINT) Intelligence, Surveillance, and Reconnaissance (ISR)
E4	CORE	Troubleshoot system equipment failures and errors
E4	CORE	Troubleshoot system software failures and errors
E5	CORE	Validate mission plans
E4	CORE	Validate system Radio Frequency (RF) distribution paths

INTELLIGENCE INTEGRATION AND DISSEMINATION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Brief cryptologic and intelligence products
E4	CORE	Brief Signal Intelligence (SIGINT) operations and capabilities
E6	NON-CORE	Conduct Knowledge Management (KM)
E5	CORE	Coordinate target analysis with external units
E4	CORE	Disseminate time-sensitive reports
E6	CORE	Enforce compliance with Intelligence Oversight (IO) requirements
E4	CORE	Forward digitized signals
E7	CORE	Manage dataflow
E7	CORE	Manage dissemination of Signals Intelligence (SIGINT) reports
E7	CORE	Manage Signals Intelligence (SIGINT) Indications and Warnings (I&W)
E4	CORE	Perform dataflow
E5	CORE	Sanitize cryptologic data for dissemination
E6	CORE	Supervise dataflow

INTELLIGENCE PLANNING AND DIRECTION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Align tasking to mission requirements
E6	CORE	Analyze collection metrics
E4	CORE	Analyze collection sources
E7	CORE	Assign assets and resources to meet intelligence requirements
E5	CORE	Collaborate with Intelligence Community (IC) analysts
E5	CORE	Compile collection metrics
E5	NON-CORE	Conduct Intelligence Preparation of the Operating Environment (IPOE)
E5	NON-CORE	Conduct Joint Intelligence Preparation of the Operational Environment (JIPOE)
E7	NON-CORE	Construct collection matrix
E7	CORE	Construct collection plans
E4	CORE	Construct Signals Intelligence (SIGINT) Order of Battle (OOB)
E6	CORE	Coordinate available intelligence resources
E7	CORE	Coordinate Concept of Operations (CONOPS) through Stakeholders
E5	CORE	Coordinate geolocation operations
E7	CORE	Coordinate mission operations
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklist
E7	CORE	Create cryptologic tasking for mission requirements
E7	CORE	Cross-check Intelligence Requirements (IR)
E5	NON-CORE	Deconflict frequency usage
E5	CORE	Determine collection gaps
E7	NON-CORE	Determine intelligence gaps
E6	CORE	Determine requirements for collection
E6	NON-CORE	Determine Signals Intelligence (SIGINT) capabilities of assets relevant to specific target area
E5	NON-CORE	Develop communications Electronic Attack (EA) briefs
E7	CORE	Develop mission tasking in accordance with the National Intelligence Priorities Framework (NIPF)
E7	CORE	Direct Signals Intelligence (SIGINT) taskings
E7	CORE	Draft Signals Intelligence (SIGINT) operations policies and procedures
E5	NON-CORE	Establish communications infrastructure for data exfiltration
E7	CORE	Evaluate collection metrics
E4	CORE	Identify information flow within the intelligence cycle (Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED))
E4	CORE	Identify limitations of tools, techniques, and analytics
E4	CORE	Implement United States Signals Intelligence Directives (USSID)
E7	CORE	Incorporate Commander's Critical Information Requirements (CCIR) to include priority intelligence requirements (PIR) into collection management activities
E7	CORE	Integrate Signals Intelligence (SIGINT) resources

INTELLIGENCE PLANNING AND DIRECTION (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Manage accesses on a Mission Correlation Table (MCT)
E6	NON-CORE	Manage Afloat Direction Finding Control (ADFC)
E7	CORE	Manage Critical (CRITIC) message programs
E7	CORE	Manage Cryptologic Authority to Operate (ATO)
E7	CORE	Manage Cryptologic Carry-on Program (CCOP) systems/Mission Modules (MM)
E7	CORE	Manage cryptologic material condition readiness
E7	CORE	Manage remote access capabilities
E7	CORE	Manage Signals Intelligence (SIGINT) and mission requirement resources
E7	CORE	Manage System Operational Verification Tests (SOVT)
E5	NON-CORE	Perform database auditing
E7	CORE	Prioritize Intelligence Requirements (IR)
E6	NON-CORE	Provide coordination, validation, and management assistance of intelligence collection requirements, plans, and/or activities
E6	CORE	Provide coordination, validation, and management assistance of Signals Intelligence (SIGINT) collection requirements, plans, and/or activities
E4	NON-CORE	Provide input to Concept of Operations (CONOPS)
E7	CORE	Submit cryptologic capabilities requirements for implementation and mission sustainment
E6	NON-CORE	Submit priority recommendations to support Commander's Critical Information Requirements (CCIR)
E7	CORE	Validate Collection Management Authority (CMA) requirements
E7	NON-CORE	Validate Collection Management Authority (CMA) requirements in support of Intelligence, Surveillance and Reconnaissance (ISR) Concept of Operations (CONOPS)
E5	CORE	Verify mission taskings

INTELLIGENCE PROCESSING AND EXPLOITATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze digital speech
E4	CORE	Analyze modems
E4	CORE	Analyze multiple access schemes
E4	CORE	Analyze Unmanned Systems (UxS) communications for exploitation
E5	CORE	Analyze Unmanned Systems (UxS) technical communications elements
E4	CORE	Analyze wireless communications for exploitation
E5	CORE	Conduct analysis with Counter-Unmanned Systems (C-UxS)
E4	CORE	Convert numbering systems
E4	NON-CORE	Coordinate reach back support
E4	CORE	Correlate case notations
E4	CORE	Demodulate basic signals
E4	CORE	Detect bit synchronizers
E4	CORE	Determine Communication Emitter Notations (CENOT)

INTELLIGENCE PROCESSING AND EXPLOITATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Determine Linear Recursive Sequences (LRS)
E4	CORE	Determine short duration and non-communications signals
E5	NON-CORE	Develop automation processes
E4	CORE	Identify Communication External (COMEXT)
E4	CORE	Identify Foreign Instrumentation Signals Intelligence (FISINT)
E4	CORE	Identify PROFORMA
E4	CORE	Perform basic bit stream analysis
E5	NON-CORE	Perform technical Signals Intelligence (SIGINT) target analysis
E4	CORE	Perform waveform analysis
E4	CORE	Perform wavelength to frequency conversions
E4	CORE	Process digital network communications
E4	CORE	Process Signals of Interest (SOI)
E4	CORE	Verify internal signal structures

NETWORK EXPLOITATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct proximal access network operations

TRAINING

Paygrade	Task Type	Task Statements
E7	CORE	Conduct cryptologic certifications
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E5	CORE	Configure systems for training and testing evolutions
E7	CORE	Coordinate pre-deployment training requirements
E7	CORE	Coordinate systems testing evolutions
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), Outlaw in a Box (OiaB), Signals Intelligence (SIGINT) Processing, Analysis, and Reporting Course (SPARC), etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E5	CORE	Maintain awareness of advancements in hardware and software technologies and their potential vulnerabilities
E7	NON-CORE	Manage Command Readiness Training Team (CRTT)
E7	CORE	Manage fleet training requirements for Operations in the Information Environment (OIE)
E5	NON-CORE	Operate embedded training system
E7	NON-CORE	Support wargaming

Job Title **Job Code**

Non-Traditional Collector and Analyst 002834

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Protective Service	TBD	NONTRAD COLLECTION&ANALYST	NONTRADITIONAL

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTR	NEC CXXX series and other NECs as assigned

Job Description

Non-Traditional Collectors and Analysts work independently as Subject Matter Experts (SME) in radio frequency (RF) spectrum operations, functioning as critical liaisons for Signals Intelligence (SIGINT) equities, and fulfilling critical roles within special programs; operate state-of-the-art equipment in order to provide a wide variety of special collections support including tactical SIGINT and cyberspace operations; support direct action/special reconnaissance missions in arduous combat, near-peer, and low-visibility environments; perform preventive and corrective maintenance on Naval Special Warfare (NSW) and non-traditional collection systems used for analysis, monitoring, tracking, recognition, identification, targeting, and electronic attack; coordinate repair of special collection systems; fabricate collection equipment as needed in order to support mission and collection requirements; conduct unattended/unconventional collection efforts in support of Special Operations Forces (SOF) and key stakeholders within the Intelligence Community (IC); and perform SIGINT, direction finding, and precision geolocation operations in support of ground, airborne, and maritime Cyber, SIGINT, and Electronic Warfare (EW) mission and collections requirements.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Analysis	123200	Intelligence Analysts	33-3021.06	Protective Service

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Judgment and Decision Making	*Inductive Reasoning*
Complex Problem Solving	*Information Ordering*
Reading Comprehension	*Written Comprehension*
Coordination	*Written Expression*
Operation and Control	*Speed of Closure*
Management of Material Resources	*Category Flexibility*
Science	*Oral Expression*
Equipment Selection	*Problem Sensitivity*
Systems Analysis	*Perceptual Speed*

FIREPOWER EMPLOYMENT

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Unmanned Systems (UxS) communications for targeting
E5	NON-CORE	Assess collateral effects of operations
E5	CORE	Assess Measures of Performance (MOP)
E5	NON-CORE	Brief post-communication Electronic Attack (EA) assessments
E4	CORE	Collect Battle Damage Indicators (BDI)
E4	CORE	Comply with Rules of Engagement (ROE)
E5	CORE	Conduct Counter-Unmanned Systems (C-UxS) operations
E5	CORE	Conduct Electronic Attack (EA) missions
E5	NON-CORE	Conduct ground terminal guidance operations
E5	NON-CORE	Develop communications Electronic Attack (EA) plans
E5	CORE	Evaluate Measures of Effectiveness (MOE)
E6	NON-CORE	Identify windows of opportunity for strikes
E6	NON-CORE	Inform effects-sequencing recommendations
E5	NON-CORE	Provide Signals Intelligence (SIGINT) support to targeting
E5	NON-CORE	Supervise Electronic Attack (EA) employment

FIREPOWER EMPLOYMENT (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Support Battle Damage Assessments (BDA)

FIRE PROTECTION

Paygrade	Task Type	Task Statements
E5	CORE	Conduct Counter-Intelligence Surveillance Reconnaissance Targeting (C-ISRT)
E5	NON-CORE	Conduct Keyed Material Inventory (KMI) Operations
E4	CORE	Control access to restricted areas
E6	NON-CORE	Coordinate Emission Control (EMCON) conditions
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E4	NON-CORE	Determine current tactical picture
E5	NON-CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Document receipt of classified materials
E7	CORE	Enforce Operations Security (OPSEC)
E5	NON-CORE	Establish Temporary-Sensitive Compartmented Information Facility (T-SCIF)
E4	CORE	Identify Electromagnetic Interference (EMI)
E4	CORE	Implement Emergency Action Plans (EAP)
E6	CORE	Manage Own Force Monitoring (OFM)
E7	NON-CORE	Manage spectrum plans
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Perform Counter-Intelligence, Surveillance, and Reconnaissance and Targeting (C-ISRT)
E4	CORE	Perform Own Force Monitoring (OFM)
E4	CORE	Properly mark Sensitive Compartmented Information (SCI) materials
E4	CORE	Provide Military Deception (MILDEC) support
E4	CORE	Report Electronic Attack (EA) against friendly units, systems, links or nodes
E4	CORE	Safeguard Sensitive Compartmented Information (SCI) materials
E5	CORE	Supervise Emergency Action Plan (EAP) operations
E5	NON-CORE	Support Keyed Material Inventory (KMI) Operations
E4	CORE	Transport Sensitive Compartmented Information (SCI) materials

INFORMATION OPERATION SUPPORT

Paygrade	Task Type	Task Statements
E5	NON-CORE	Calculate detection ranges for Naval Special Warfare (NSW) specific platforms
E5	CORE	Conduct Military Information Support Operations (MISO)
E6	NON-CORE	Coordinate Operations in the Information Environment (OIE) assets
E5	NON-CORE	Coordinate overwatch support
E5	NON-CORE	Establish Command and Control (C2) link for Unmanned Systems (UxS) payloads
E5	NON-CORE	Manage system software updates
E4	CORE	Perform Electronic Warfare (EW) support

INFORMATION OPERATION SUPPORT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Provide Indications and Warnings (I&W) to tactical commanders
E6	NON-CORE	Provide input to Counter-Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, Reconnaissance, and Target (C-C5ISRT) planning process
E6	NON-CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

INTEGRATED TARGETING CAPABILITY

Paygrade	Task Type	Task Statements
E5	NON-CORE	Advise target vectoring
E5	NON-CORE	Analyze adversary critical capabilities, requirements, and vulnerabilities
E5	CORE	Develop targets in support of Commander's intent
E5	NON-CORE	Evaluate threat envelopes
E5	NON-CORE	Identify adversary critical capabilities, requirements, and vulnerabilities
E5	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)
E4	NON-CORE	Identify target from multiple intelligence sources
E4	CORE	Identify traffic source for targeting
E5	NON-CORE	Integrate targeting efforts with other organization and combatant commands
E5	NON-CORE	Perform non-traditional targeting
E5	CORE	Provide target nomination recommendations which meet Commander's objectives
E5	NON-CORE	Provide target Positive Identification (PID)
E5	CORE	Provide targeting Combat Identification (CID) recommendations
E5	NON-CORE	Provide Time Sensitive Target (TST) operations intelligence support
E4	NON-CORE	Support track management and target identification

INTELLIGENCE ANALYSIS AND PRODUCTION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze Command and Control (C2) networks for critical nodes
E5	NON-CORE	Analyze Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, Reconnaissance, and Target (C5ISRT) networks for critical nodes
E4	CORE	Analyze communication device capabilities
E4	CORE	Analyze intercept of Essential Elements of Information (EEI)
E5	NON-CORE	Analyze network intrusion global threat activity data
E4	CORE	Analyze Satellite Communications (SATCOM) elements
E6	NON-CORE	Assess adversary Intelligence, Surveillance, and Reconnaissance and Targeting (ISRT) capabilities
E4	CORE	Assign identifiers to target platforms
E5	NON-CORE	Conduct Sensitive Site Exploitation (SSE) analysis
E4	CORE	Construct Order of Battle (OOB)
E4	CORE	Determine intelligence document source
E5	CORE	Develop Area of Responsibility (AOR) target data
E5	NON-CORE	Develop cyber-persona profiles

INTELLIGENCE ANALYSIS AND PRODUCTION (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Develop network maps
E5	NON-CORE	Develop Pattern-of-Life (POL) analysis profile
E5	CORE	Develop target packages
E5	CORE	Develop target profiles
E4	CORE	Draft fused Signals Intelligence (SIGINT) reports
E4	CORE	Draft intelligence product reports
E5	CORE	Draft post-mission products
E5	NON-CORE	Draft signals analysis briefs
E4	CORE	Draft time-sensitive reports
E5	CORE	Edit serialized intelligence reports for dissemination
E4	NON-CORE	Fuse technical data to develop target communications profiles
E4	CORE	Generate Request for Information (RFI)
E6	NON-CORE	Identify Radio Frequency (RF) characteristics for Naval Special Warfare (NSW) specific equipment
E4	NON-CORE	Identify target communications within the global network
E4	NON-CORE	Identify the functions of a target's network elements
E5	NON-CORE	Maintain post-mission logs
E5	NON-CORE	Manage Radio Frequency (RF) propagation modeling
E5	CORE	Map communications networks
E5	NON-CORE	Perform advanced characterization of the electronic environment
E5	NON-CORE	Perform asset source validation
E4	CORE	Perform content analysis
E4	CORE	Perform geolocation analysis
E4	CORE	Perform metadata analysis
E4	CORE	Perform multi-source analysis
E5	CORE	Perform Signals Intelligence (SIGINT) fusion analysis
E4	NON-CORE	Perform Signals Intelligence (SIGINT) Geospatial Analysis (SGA)
E4	CORE	Perform Signals Intelligence (SIGINT) research using Intelligence Community (IC) databases
E4	CORE	Perform traffic analysis
E5	NON-CORE	Perform unattended sensor analysis
E5	NON-CORE	Perform untethered analysis
E4	CORE	Produce area of interest briefs
E5	CORE	Produce target communications profiles using technical data
E4	CORE	Provide response to Request for Information (RFI)
E5	CORE	Research network technologies
E4	CORE	Research Open Source Intelligence (OSINT)
E5	CORE	Review time-sensitive reports
E5	NON-CORE	Support development of persona profiles

INTELLIGENCE AND DATA COLLECTION

Paygrade	Task Type	Task Statements
E6	CORE	Validate Signals Intelligence (SIGINT) product reports
E5	CORE	Verify collected information meets intelligence needs
E4	CORE	Allocate Signals Intelligence (SIGINT) collection resources to assigned tasking
E5	NON-CORE	Analyze common system services
E4	CORE	Analyze Electromagnetic (EM) spectrum for exploitation
E4	NON-CORE	Analyze Electromagnetic (EM) spectrum for targeting
E5	CORE	Analyze system, event, and network logs
E4	CORE	Assess Indication & Warning (I&W) threats
E4	CORE	Collect Signals of Interest (SOI)
E5	NON-CORE	Conduct low visibility collection operations/unconventional collections
E5	NON-CORE	Conduct non-standard collection operations/unconventional collection
E5	NON-CORE	Conduct non-traditional Signals Intelligence (SIGINT) targeting
E5	NON-CORE	Conduct Sensitive Site Exploitation (SSE) operations
E5	NON-CORE	Conduct tactical survey operations
E4	CORE	Configure systems for signals collection
E4	CORE	Demodulate Signals of Interest (SOI)
E4	CORE	Employ antennae for signals exploitation
E4	CORE	Employ receivers for signals exploitation
E4	CORE	Execute commands within various Operating Systems (OS)
E5	NON-CORE	Exploit modulation types
E5	NON-CORE	Fabricate collection equipment (Commercial Off The Shelf/Government Off The Shelf (COTS/GOTS))
E4	CORE	Identify Signals of Interest (SOI)
E5	NON-CORE	Implement digital collection expertise to enable intelligence gathering operations
E5	NON-CORE	Input information to mission databases and collection repositories
E6	CORE	Maintain target lists (e.g., Regional Target List (RTL), Joint Target List (JTL), Combined Target List (CTL), etc.)
E7	CORE	Manage collection of Signals of Interest (SOI)
E7	CORE	Manage collection system operations and configurations
E7	CORE	Manage exploitation of Electromagnetic (EM) spectrum
E6	CORE	Manage geolocation operations
E4	CORE	Monitor Signals of Interest (SOI) frequencies
E5	NON-CORE	Nominate unique identifiers
E5	NON-CORE	Operate Blue Force Unmanned Systems (UxS) sensors
E5	CORE	Optimize collection systems
E4	CORE	Perform Boolean and Lucene logic
E4	CORE	Perform Direction Finding (DF) of distress signals
E4	CORE	Perform Direction Finding (DF) of Signals of Interest (SOI)
E5	NON-CORE	Perform Electronic Surveillance (ES)

INTELLIGENCE AND DATA COLLECTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform geolocation of distress signals
E4	CORE	Perform geolocation of Signals of Interest (SOI)
E4	NON-CORE	Perform Operations in the Information Environment (OIE) utilizing Tactical Data Processors (TDP)
E5	CORE	Perform packet capture (PCAP)
E4	NON-CORE	Perform remote access operations
E4	NON-CORE	Perform shutdown procedures for collection systems
E5	CORE	Perform Signals Intelligence (SIGINT) Intelligence, Surveillance, and Reconnaissance (ISR)
E4	NON-CORE	Perform startup procedures for collection systems
E5	NON-CORE	Perform survey in support of cyberspace operations
E5	NON-CORE	Perform tactical Airborne Precision Geolocation operations (APGL)/Unmanned Systems (UxS) payload operations
E5	NON-CORE	Perform tactical collection operations
E5	NON-CORE	Perform unattended sensor emplacement operations
E5	NON-CORE	Perform untethered collections
E4	CORE	Perform wireless surveys
E5	CORE	Provide feedback to developers on signals collection, processing, and analysis tools
E4	CORE	Record signals for post collection analysis
E4	CORE	Review equipment status for operability
E6	CORE	Supervise collection operations
E6	CORE	Supervise collection system operations and configurations
E6	CORE	Supervise collections of Signals of Interest (SOI)
E6	CORE	Supervise Intelligence, Surveillance, and Reconnaissance (ISR) operations
E6	CORE	Supervise Signals Intelligence (SIGINT) Intelligence, Surveillance, and Reconnaissance (ISR)
E4	CORE	Troubleshoot system equipment failures and errors
E4	CORE	Troubleshoot system software failures and errors
E4	CORE	Validate system Radio Frequency (RF) distribution paths

INTELLIGENCE INTEGRATION AND DISSEMINATION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Brief cryptologic and intelligence products
E4	CORE	Brief Signal Intelligence (SIGINT) operations and capabilities
E6	NON-CORE	Conduct Knowledge Management (KM)
E5	CORE	Coordinate target analysis with external units
E4	CORE	Disseminate time-sensitive reports
E6	CORE	Enforce compliance with Intelligence Oversight (IO) requirements
E6	CORE	Evaluate analysis and reporting operations
E7	CORE	Manage dataflow

INTELLIGENCE INTEGRATION AND DISSEMINATION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage dissemination of Signals Intelligence (SIGINT) reports
E7	CORE	Manage Signals Intelligence (SIGINT) Indications and Warnings (I&W)
E4	CORE	Perform dataflow
E7	NON-CORE	Provide process feedback to national systems managers
E6	NON-CORE	Release serialized intelligence reports for dissemination
E5	CORE	Sanitize cryptologic data for dissemination
E6	CORE	Supervise dataflow

INTELLIGENCE PLANNING AND DIRECTION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Align tasking to mission requirements
E6	CORE	Analyze collection metrics
E4	CORE	Analyze collection sources
E7	CORE	Assign assets and resources to meet intelligence requirements
E5	CORE	Collaborate with Intelligence Community (IC) analysts
E5	CORE	Compile collection metrics
E5	NON-CORE	Conduct Intelligence Preparation of the Operating Environment (IPOE)
E5	NON-CORE	Conduct Joint Intelligence Preparation of the Operational Environment (JIPOE)
E7	NON-CORE	Construct collection matrix
E7	CORE	Construct collection plans
E4	CORE	Construct Signals Intelligence (SIGINT) Order of Battle (OOB)
E6	CORE	Coordinate available intelligence resources
E7	CORE	Coordinate Concept of Operations (CONOPS) through Stakeholders
E7	NON-CORE	Coordinate data collection responsibilities
E5	CORE	Coordinate geolocation operations
E7	CORE	Coordinate mission operations
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklist
E6	NON-CORE	Coordinate Request to Transmit (RTT)
E5	NON-CORE	Coordinate target vetting with appropriate partners
E5	NON-CORE	Coordinate with foreign entities to complete mission objectives
E7	NON-CORE	Coordinate with Special Access Program (SAP)/Integrated Joint Special Technical Operations (IJSTO) planners/Review and Approval Process (RAP)
E7	CORE	Create cryptologic tasking for mission requirements
E7	CORE	Cross-check Intelligence Requirements (IR)
E5	NON-CORE	Deconflict frequency usage
E7	NON-CORE	Deconflict national target lists
E5	NON-CORE	Deconflict network operations
E5	NON-CORE	Deconflict Signals Intelligence (SIGINT) operations

INTELLIGENCE PLANNING AND DIRECTION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Determine collection gaps
E7	NON-CORE	Determine intelligence gaps
E6	CORE	Determine requirements for collection
E5	NON-CORE	Develop communications Electronic Attack (EA) briefs
E6	NON-CORE	Develop detection range products for Naval Special Warfare (NSW) specific platforms
E7	CORE	Develop mission tasking in accordance with the National Intelligence Priorities Framework (NIPF)
E7	NON-CORE	Develop Signals Intelligence (SIGINT)/Electronic Warfare (EW) plans
E7	CORE	Direct Signals Intelligence (SIGINT) taskings
E5	NON-CORE	Draft Request to Transmit (RTT)
E7	CORE	Draft Signals Intelligence (SIGINT) operations policies and procedures
E5	NON-CORE	Establish communications infrastructure for data exfiltration
E7	CORE	Evaluate collection metrics
E4	CORE	Identify information flow within the intelligence cycle (Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED))
E4	CORE	Identify limitations of tools, techniques, and analytics
E4	CORE	Implement United States Signals Intelligence Directives (USSID)
E7	CORE	Incorporate Commander's Critical Information Requirements (CCIR) to include priority intelligence requirements (PIR) into collection management activities
E5	NON-CORE	Integrate remote systems
E7	CORE	Integrate Signals Intelligence (SIGINT) resources
E6	NON-CORE	Maintain targeting cycles
E6	NON-CORE	Manage accesses on a Mission Correlation Table (MCT)
E5	NON-CORE	Manage Command and Control (C2) equipment (e.g. Secure Data Network (SDN), etc.)
E7	CORE	Manage Critical (CRITIC) message programs
E7	CORE	Manage Cryptologic Authority to Operate (ATO)
E7	CORE	Manage cryptologic material condition readiness
E7	CORE	Manage remote access capabilities
E7	CORE	Manage Signals Intelligence (SIGINT) and mission requirement resources
E7	NON-CORE	Manage Signals Intelligence (SIGINT) equipment resource allocation with Joint Forces and Intelligence Community (IC) partners
E5	NON-CORE	Perform database auditing
E5	NON-CORE	Perform predictive assessment of adversary action
E5	NON-CORE	Predict equipment performance characteristics based on atmospheric data
E7	CORE	Prioritize Intelligence Requirements (IR)
E5	NON-CORE	Provide coordination, validation, and management assistance of intelligence collection requirements, plans, and/or activities

INTELLIGENCE PLANNING AND DIRECTION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Provide coordination, validation, and management assistance of Signals Intelligence (SIGINT) collection requirements, plans, and/or activities
E4	NON-CORE	Provide input to Concept of Operations (CONOPS)
E7	NON-CORE	Recommend Electronic Warfare (EW)/Signals Intelligence (SIGINT) mission objectives
E7	NON-CORE	Request Electronic Warfare (EW)/Signals Intelligence (SIGINT) supporting assets
E7	CORE	Submit cryptologic capabilities requirements for implementation and mission sustainment
E6	NON-CORE	Submit priority recommendations to support Commander's Critical Information Requirements (CCIR)
E7	CORE	Validate Collection Management Authority (CMA) requirements
E7	NON-CORE	Validate Collection Management Authority (CMA) requirements in support of Intelligence, Surveillance and Reconnaissance (ISR) Concept of Operations (CONOPS)
E7	NON-CORE	Validate higher authority directives
E5	CORE	Verify mission taskings

INTELLIGENCE PROCESSING AND EXPLOITATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze digital speech
E4	CORE	Analyze Foreign Instrumentation Signals Intelligence (FISINT)
E4	CORE	Analyze modems
E4	CORE	Analyze multiple access schemes
E4	CORE	Analyze non-communications signals
E4	CORE	Analyze PROFORMA
E4	CORE	Analyze Unmanned Systems (UxS) communications for exploitation
E5	CORE	Analyze Unmanned Systems (UxS) technical communications elements
E4	CORE	Analyze Very High Frequency/Ultra High Frequency/Push To Talk (V/UHF/PTT) communications for exploitation
E4	CORE	Analyze wireless communications for exploitation
E4	NON-CORE	Analyze wireless communications for targeting
E5	CORE	Conduct analysis with Counter-Unmanned Systems (C-UxS)
E5	NON-CORE	Configure software-based analysis tools
E5	NON-CORE	Construct tools for analysis
E4	NON-CORE	Coordinate reach back support
E4	CORE	Correlate case notations
E5	NON-CORE	Detect anomalies through signals analysis
E4	CORE	Determine short duration and non-communications signals
E4	CORE	Identify Foreign Instrumentation Signals Intelligence (FISINT)
E4	CORE	Identify PROFORMA
E6	NON-CORE	Manage database auditing

INTELLIGENCE PROCESSING AND EXPLOITATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Perform bulk-data manipulation
E5	NON-CORE	Perform media analysis (e.g., memory, phones, physical devices, etc.)
E4	NON-CORE	Perform protocol analysis
E4	CORE	Perform target exploitation operations
E5	NON-CORE	Perform technical Signals Intelligence (SIGINT) target analysis
E4	CORE	Perform wavelength to frequency conversions
E4	CORE	Process digital network communications
E4	CORE	Process Signals of Interest (SOI)
E5	NON-CORE	Validate target network capabilities and vulnerabilities

NETWORK EXPLOITATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze digital network communications
E5	NON-CORE	Analyze network device configurations
E5	NON-CORE	Analyze network security architecture components
E5	NON-CORE	Analyze network traffic to identify anomalous activity and potential threats
E5	NON-CORE	Analyze network vulnerabilities
E4	NON-CORE	Analyze Operating System (OS) characteristics
E4	NON-CORE	Analyze software and hardware
E5	NON-CORE	Analyze standard and non-standard protocols
E5	NON-CORE	Analyze target digital technologies and network systems
E4	NON-CORE	Analyze target implementation of digital network technologies and systems
E6	NON-CORE	Analyze unknown protocols
E5	NON-CORE	Assess physical characteristics of the target environment
E6	NON-CORE	Collaborate with stakeholders in support of cyber operations and tools
E5	NON-CORE	Conduct mid-point analysis
E5	NON-CORE	Conduct proximal access network operations
E5	NON-CORE	Detect network vulnerabilities
E5	NON-CORE	Determine basic structure and architecture of networks
E5	NON-CORE	Determine Operating System (OS) characteristics
E5	NON-CORE	Determine software and hardware vulnerabilities
E5	NON-CORE	Evaluate information networks defensive posture of target networks
E5	NON-CORE	Identify access vectors for networks of interest
E5	NON-CORE	Perform file system analysis
E5	NON-CORE	Perform website characterizations

TRAINING

Paygrade	Task Type	Task Statements
E7	CORE	Conduct cryptologic certifications

TRAINING (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E5	CORE	Configure systems for training and testing evolutions
E5	NON-CORE	Construct target environments for training, testing, and assessing
E7	CORE	Coordinate pre-deployment training requirements
E7	CORE	Coordinate systems testing evolutions
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), Outlaw in a Box (OiaB), Signals Intelligence (SIGINT) Processing, Analysis, and Reporting Course (SPARC), etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E7	NON-CORE	Interpret test and evaluation range results
E5	CORE	Maintain awareness of advancements in hardware and software technologies and their potential vulnerabilities
E5	NON-CORE	Perform operational certifications
E5	NON-CORE	Support wargaming

CHAPTER 20

CRYPTOLOGIC TECHNICIAN (TECHNICAL) (CTT)

NAVPERS 18068F-20L
Change 101

Updated: January 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

CRYPTOLOGIC TECHNICIAN (TECHNICAL) (CTT)

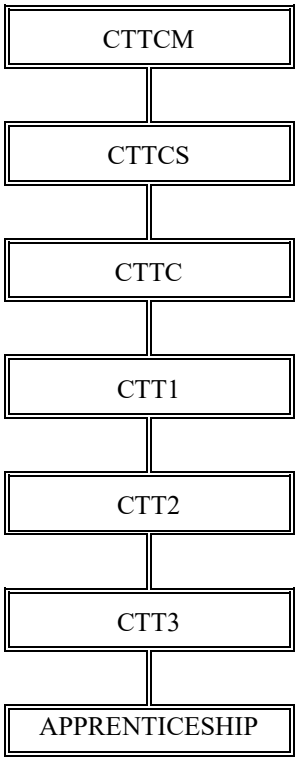
SCOPE OF RATING

Cryptologic Technicians (Technical) (CTT) conduct Electromagnetic Warfare (EW) in support of National and Commander's tasking; operate and maintain electronic sensors and computer systems; collect, analyze, exploit, and disseminate Electronic Intelligence (ELINT) in accordance with National and Fleet tasking; provide safety of forces, Indications and Warning (I&W), Information Operations (IO), and Anti-Ship Missile Defense (ASMD); and provide technical and tactical guidance to Warfare Commanders and National consumers in support of surface, subsurface, air, information, strike, and special warfare operations.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 20.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Technical Electronic Intelligence Analyst 001090

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Protective Service	TBD	TECH ELECTRONIC INTELL ANALYST	ELINT ANALYST

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTT	NEC CXXX series and other NECs as assigned

Job Description

Technical Electronic Intelligence (TechELINT) Analysts perform intermediate and advanced collection, measurement, and technical analysis of non-communication signals derived from multiple intelligence production resources; analyze and report all-source information for tactical and strategic commanders in support of Fleet, Theater, and National objectives; and produce assessments detailing the capabilities and vulnerabilities of foreign non-communication and weapons systems.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Intercept Operators (Code and Non-Code)	123100	Intelligence Analysts	33-3021.06	Protective Service

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Coordination	*Written Comprehension*
Management of Material Resources	*Inductive Reasoning*
Judgment and Decision Making	*Written Expression*
Operation and Control	*Information Ordering*
Complex Problem Solving	*Oral Expression*
Quality Control Analysis	*Control Precision*
Reading Comprehension	*Perceptual Speed*
Systems Analysis	*Time Sharing*
Writing	*Problem Sensitivity*

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Align Electromagnetic Warfare (EW) systems
E4	CORE	Analyze blueprints and platform/unit drawings
E4	CORE	Analyze equipment and system status data (e.g., Emission Control (EMCON) Tactical Situation (TACSIT), Military Deception (MILDEC), etc.
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E4	CORE	Collect equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E4	CORE	Configure display systems
E4	CORE	Configure internal communications networks
E4	CORE	Configure network systems
E7	CORE	Coordinate Electromagnetic Warfare (EW) test range runs
E4	CORE	Document equipment and system status data (e.g., Regional Maintenance Center (RMC), Destroyer Squadron (DESRON), Amphibious Squadron (PHIBRON), etc.)
E6	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Inspect work areas, tools, and equipment
E6	CORE	Interpret test and evaluation range results (e.g., ULM-4, Passive Countermeasures System (PCMS), etc.)
E4	CORE	Maintain local emitter libraries
E5	CORE	Manage system software updates
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment shutdown procedures
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment startup procedures
E4	CORE	Perform Tactical Data Processors (TDP) startup procedures
E5	CORE	Supervise Electromagnetic Warfare (EW) systems during casualty conditions
E4	CORE	Test display systems
E6	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)

ELECTROMAGNETIC SPECTRUM OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Identify Electromagnetic Interference (EMI)
E7	CORE	Manage spectrum plans
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Monitor own force emissions
E5	CORE	Perform unit level Electromagnetic Spectrum Operations (EMSO)
E5	CORE	Predict friendly and/or adversary equipment performance characteristics based on propagation modeling utilizing parametric and atmospheric data (e.g., BUILDER, Realtime Spectrum Operations (RTSO), etc.)
E5	CORE	Report Electromagnetic Interference (EMI)
E5	CORE	Report jamming sources
E5	CORE	Research jamming sources

ELECTROMAGNETIC WARFARE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Calculate threat detection envelopes
E5	NON-CORE	Conduct Counter-Unmanned Systems (C-UxS) operations
E4	CORE	Configure Electromagnetic Warfare (EW) systems
E4	CORE	Construct local emitter libraries
E5	CORE	Evaluate Electromagnetic Warfare (EW) Measures of Effectiveness (MOE)
E5	CORE	Evaluate mission threats
E4	CORE	Implement Rapid Evaluation Guidelines (REG)

ELECTROMAGNETIC WARFARE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Lead Electromagnetic Warfare (EW) operations (e.g., Emission Control (EMCON), Electromagnetic Warfare Support (ES), countermeasures deployment, etc.)
E4	CORE	Maintain Electromagnetic Warfare (EW) status boards and logs
E7	CORE	Manage divisional equipment and system configurations
E6	CORE	Manage Electromagnetic Warfare (EW) system operations
E6	CORE	Manage Electromagnetic Warfare (EW) systems during casualty conditions
E4	CORE	Perform Electromagnetic Support (ES) operations
E4	CORE	Perform tactical communications (e.g., brevity codes, fleet tactical signals, etc.)
E5	CORE	Recommend course corrections in support of tactical operations
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E4	CORE	Report systems equipment status
E6	CORE	Supervise construction of local emitter libraries
E6	CORE	Supervise divisional equipment and system configurations
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E5	CORE	Supervise tactical communications (e.g., voice, chat, etc.)

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze historical Signals of Interest (SOI) data
E4	CORE	Analyze Signals of Interest (SOI)
E5	NON-CORE	Assemble technical kits
E4	CORE	Brief cryptologic and intelligence products
E4	NON-CORE	Calculate blind speeds
E4	CORE	Calculate Radio Detection and Ranging (RADAR) parameters
E4	CORE	Compute Radio Detection and Ranging (RADAR) performance characteristics based on parameters
E4	CORE	Configure Signals Intelligence (SIGINT) and other non-communication systems
E4	NON-CORE	Construct Order of Battle (OOB)
E4	CORE	Convert Radio Detection and Ranging (RADAR) parameters
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklists
E5	CORE	Coordinate reachback support
E4	CORE	Coordinate with respective consumer(s)
E5	NON-CORE	Coordinate within Global Signals Analysis Laboratory (GSAL) structure
E4	CORE	Correlate national systems data to platform
E4	CORE	Crossfix Signals of Interest (SOI) intercepts
E4	CORE	Determine current tactical picture
E4	CORE	Determine modulation types (i.e., intrapulse, interpulse)

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Determine target source utilizing Unintentional Modulation on Pulse (UMOP)
E5	CORE	Disseminate Electronic Intelligence (ELINT) data and reports (e.g., Operational Electronic Intelligence (OpELINT), Technical Electronics Intelligence (TechELINT), etc.)
E4	CORE	Draft reports (i.e., UNIFORM, Electronic Intelligence Technical Reports (ELT), Tactical Reports (TACREP))
E4	CORE	Evaluate signal quality
E4	CORE	Identify Radio Detection and Ranging (RADAR) systems capabilities
E4	CORE	Implement Electronic Intelligence (ELINT) collection plans
E5	CORE	Input filter management plans
E4	CORE	Interpret message traffic data in support of operations
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E5	NON-CORE	Measure Doppler shifts
E4	CORE	Obtain Order of Battle (OOB)
E4	NON-CORE	Perform frequency domain analysis
E4	CORE	Provide source of overhead systems data (e.g., ephemeris data, collector diagraph, etc.)
E5	CORE	Report PROFORMA signals
E4	CORE	Research Intelligence Community (IC) databases
E6	NON-CORE	Review post mission processing for accuracy and follow-on tasking
E4	CORE	Search Electronic Intelligence (ELINT) databases in support of mission planning and execution
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E4	CORE	Transfer data between systems (e.g., Data Transfer Agent (DTA), Department of Defense (DoD) Secure Access File Exchange (SAFE), DoD Intelligence Information System (DODIIS) One-Way Transfer Tool (DOTS), etc.)
E5	CORE	Update National databases (i.e., provide UNIFORM reports and input to National Operational Electronic Intelligence (OPELENT) Integration Database (NIODB) via the Naval Information Warfighting Development Center (NIWDC) and Navy Information Operations Command (NIOC) Pacific or NIOC Norfolk)
E5	CORE	Validate Electronic Intelligence (ELINT) logs
E7	CORE	Validate reports (i.e., UNIFORM, Tactical Reports (TACREP))
E5	CORE	Verify collection, analysis, and reporting

INFORMATION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct all-source intelligence research
E4	CORE	Conduct Battle Damage Assessment (BDA)
E5	NON-CORE	Conduct non-standard collection operations/unconventional collection
E4	CORE	Configure software-based analysis tools
E5	NON-CORE	Construct target intelligence packages
E6	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets

INFORMATION OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Coordinate target analysis
E4	CORE	Correlate Information Operation (IO) asset capabilities and limitations
E5	CORE	Develop intelligence products based on Pattern of Life (PoL)
E7	CORE	Develop joint, allied, and coalition Information Operations (IO) plans
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E4	CORE	Implement Pre-Planned Responses (PPR)
E4	CORE	Implement Signals Intelligence (SIGINT) tasking
E7	NON-CORE	Manage Signals Intelligence (SIGINT) equipment resource allocation with joint forces and Intelligence Community (IC) partners
E6	CORE	Manage watch teams
E4	CORE	Perform all-source fusion analysis
E4	CORE	Perform geolocation analysis
E4	CORE	Perform Pattern of Life (PoL) analysis
E5	CORE	Prioritize mission threats
E7	CORE	Process fleet Information Operations (IO) requirements
E6	CORE	Provide Counter Intelligence Surveillance Reconnaissance Targeting (CISRT) solutions in support of operations
E6	NON-CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide process feedback to national systems managers
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E5	CORE	Provide target Positive Identification (PID) recommendations
E5	NON-CORE	Recommend collection assets and windows of opportunity
E7	CORE	Recommend Information Operations (IO)/Electromagnetic Warfare (EW) mission objectives
E5	CORE	Recommend Tactical Situations (TACSIT)
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Initialize ground and airborne Signals Intelligence (SIGINT) collection equipment
E5	NON-CORE	Maintain mission logs
E6	NON-CORE	Nominate unique identifiers
E4	NON-CORE	Perform end-of-mission pack and wrap
E5	NON-CORE	Perform ground and airborne active targeting equipment shutdown procedures
E5	NON-CORE	Perform ground and airborne Signals Intelligence (SIGINT) collection equipment shutdown procedures
E4	NON-CORE	Review Electronic Support Measures (ESM) search plan

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO) (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Supervise end-of-mission pack and wrap
E6	NON-CORE	Update Electronic Support Measures (ESM) search plan
E7	NON-CORE	Validate Electronic Support Measures (ESM) search plan
E6	NON-CORE	Validate technical kits

NON-MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Construct mission collection plans
E5	NON-CORE	Determine collection gaps
E6	NON-CORE	Determine collection requirements
E7	NON-CORE	Direct Signals Intelligence (SIGINT) taskings
E5	CORE	Evaluate threat envelopes
E7	NON-CORE	Manage accesses on a Mission Correlation Table (MCT)
E5	NON-CORE	Perform first phase initial Electronic Intelligence (ELINT) analysis and feedback
E7	NON-CORE	Request assets and resources to meet intelligence requirements
E5	NON-CORE	Update mission collection plans

PLANNING

Paygrade	Task Type	Task Statements
E5	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E6	CORE	Assess emergent Signals Intelligence (SIGINT) threats
E7	CORE	Coordinate Information Operations (IO) experimentation and advanced capabilities initiatives
E7	CORE	Coordinate Information Operations (IO) integration across all disciplines and warfare areas
E6	CORE	Coordinate joint fires tasking
E7	NON-CORE	Coordinate joint Signals Intelligence (SIGINT) collection plans
E5	NON-CORE	Coordinate target analysis with external units
E5	NON-CORE	Coordinate with customer entities for mission and training requirements (e.g., intelligence requirements, cryptologic carry-on program (CCOP) equipment, etc.)
E6	CORE	Develop Concept of Operations (CONOP)
E7	CORE	Develop Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E7	NON-CORE	Develop Electromagnetic Warfare (EW) tactics
E7	CORE	Develop joint Electromagnetic Warfare (EW) plans
E7	CORE	Develop multi-unit Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E7	CORE	Draft Electromagnetic Warfare (EW) operational messages (e.g., Electromagnetic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Draft Naval Messages (e.g., Electromagnetic Attack (EA) request, Daily Intentions Messages (DIMS), etc.)
E4	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)

PLANNING (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage unit priority target lists
E7	CORE	Request supporting Electromagnetic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Audit Electromagnetic Warfare (EW) system password accounts
E6	CORE	Enforce naval and National security directives and instructions (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E4	CORE	Implement naval cryptologic and national security requirements (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Sensitive Compartmented Information (SCI), etc.)
E4	CORE	Inventory controlled equipment
E4	CORE	Maintain Electromagnetic Warfare (EW) systems password accounts
E5	CORE	Manage controlled equipment
E5	CORE	Sanitize data for dissemination
E6	CORE	Supervise Emergency Action Plan (EAP) operations
E5	CORE	Supervise watch teams
E4	CORE	Support Emergency Action Plans (EAP)

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E7	CORE	Coordinate Electromagnetic Warfare (EW) systems testing evolutions
E6	CORE	Coordinate equipment certifications and recertifications
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Develop training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Supervise Electromagnetic Warfare (EW) systems testing evolutions

Job Title **Job Code**

Surface Electromagnetic Warfare (EW) Operator 001095

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	SURFACE EW OPERATOR	SURF EW OPER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTT	NEC CXXX series and other NECs as assigned

Job Description

Surface Electromagnetic Warfare (EW) Operators employ electronic receivers and associated analysis and recording equipment in the collection of Radio Detection and Ranging (RADAR), and other signals within the electromagnetic (EM) spectrum; interpret intercepted electronic signals to determine their source to support the tactical Common Operational Picture (COP); execute tactics in accordance with doctrine; and report information to tactical and strategic commanders in support of Fleet, Theater, and National requirements.

DoD Relationship

Group Title	*DoD Code*
Intercept Operators (Code and Non-Code)	123100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Network and Computer Systems Administrators	15-1244.00	Computer and Mathematical

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Management of Material Resources	*Written Comprehension*
Coordination	*Inductive Reasoning*
Quality Control Analysis	*Written Expression*
Judgment and Decision Making	*Information Ordering*
Operation and Control	*Oral Expression*
Complex Problem Solving	*Control Precision*
Systems Analysis	*Problem Sensitivity*
Reading Comprehension	*Perceptual Speed*
Writing	*Time Sharing*

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Align Electromagnetic Warfare (EW) systems
E4	CORE	Analyze blueprints and platform/unit drawings
E4	CORE	Analyze equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E7	CORE	Approve equipment installations, testing, and alterations
E4	CORE	Collect equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E5	CORE	Conduct Radio Detection and Ranging (RADAR) Cross Section (RCS) testing
E4	CORE	Configure auxiliary air and cooling water systems
E4	CORE	Configure display systems
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Configure internal communications networks
E4	CORE	Configure network systems
E4	CORE	Configure power conversion and distribution systems
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E6	CORE	Coordinate Combat Systems Alignment (CSA) evolutions
E6	NON-CORE	Coordinate Electromagnetic Warfare (EW) equipment installations

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Coordinate Electromagnetic Warfare (EW) equipment removals
E6	CORE	Coordinate Electromagnetic Warfare (EW) systems software, firmware installations and updates
E7	CORE	Coordinate Electromagnetic Warfare (EW) test range runs
E6	CORE	Direct weapons casualty evolutions
E4	CORE	Document equipment and system status data (e.g., Regional Maintenance Center (RMC), Destroyer Squadron (DESRON), Amphibious Squadron (PHIBRON), etc.)
E6	CORE	Draft equipment casualty reports
E6	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E4	CORE	Inspect work areas, tools, and equipment
E4	NON-CORE	Install Field Change (FC) kits
E4	CORE	Inventory General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Inventory Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Maintain alarm, safety, and warning systems
E4	CORE	Maintain Joint Tactical Terminal-Maritime/Joint Tactical Terminal-Maritime Embedded National Tactical Receiver (JTT-M/JTT-ME)
E4	CORE	Maintain local emitter libraries
E4	CORE	Maintain onboard training systems (e.g., Ship's Electronic Warfare Tactical Training (SEWTT), Battle Force Electronic Warfare Trainer (BEWT), etc.)
E4	CORE	Maintain Passive Countermeasure System (PCMS)
E7	CORE	Manage Passive Countermeasure System (PCMS) programs
E4	CORE	Perform Combat Systems Alignments (CSA)
E4	CORE	Perform corrosion prevention and control procedures on Electromagnetic Warfare (EW) systems
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment shutdown procedures
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment startup procedures
E4	CORE	Perform equipment validations
E4	CORE	Perform Tactical Data Processors (TDP) startup procedures
E5	CORE	Supervise Electromagnetic Warfare (EW) systems during casualty conditions
E6	CORE	Supervise System Operation Verification Testing (SOVT)
E7	CORE	Supervise weapons casualty evolutions
E4	CORE	Test alarm, safety, and warning systems
E4	CORE	Test auxiliary air and cooling water systems
E4	CORE	Test computer and peripheral systems
E4	CORE	Test data links
E4	CORE	Test display systems

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test Electromagnetic Warfare (EW) systems
E4	CORE	Test internal communications networks
E4	CORE	Test network systems
E4	CORE	Test power conversion and distribution systems
E5	CORE	Update Combat System (CS) smooth logs
E5	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E6	CORE	Validate Combat System (CS) smooth logs
E4	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)
E6	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E7	CORE	Verify System Operability Verification Test (SOVT)

ELECTROMAGNETIC SPECTRUM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure Own-Force Monitoring (OFM) equipment
E6	CORE	Construct Electromagnetic (EM) Battlespace plans (e.g., Real-Time Spectrum Operations (RTSO), Emission Control (EMCON), etc.)
E5	CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Identify Electromagnetic Interference (EMI)
E7	CORE	Integrate into Joint Restricted Frequency List (JRFL) process
E7	CORE	Manage spectrum plans
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Monitor own force emissions
E5	CORE	Obtain space weather reports for Electromagnetic Spectrum Operations (EMSO)
E4	CORE	Perform Own-Force Monitoring (OFM) equipment shutdown procedures
E4	CORE	Perform Own-Force Monitoring (OFM) equipment startup procedures
E5	CORE	Perform unit level Electromagnetic Spectrum Operations (EMSO)
E5	CORE	Predict friendly and/or adversary equipment performance characteristics based on propagation modeling utilizing parametric and atmospheric data (e.g., BUILDER, Realtime Spectrum Operations (RTSO), etc.)
E5	CORE	Report Electromagnetic Interference (EMI)
E5	CORE	Report jamming sources
E5	CORE	Research jamming sources
E6	CORE	Validate Electromagnetic Spectrum Operations (EMSO) documentation (e.g., Real-Time Spectrum Operations (RTSO), Hazards of Electromagnetic Radiation to Ordnance (HERO), Emission Control (EMCON), etc.)

ELECTROMAGNETIC WARFARE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Calculate threat detection envelopes
E5	CORE	Conduct Counter-Intelligence Surveillance Reconnaissance Targeting (CISRT)
E5	NON-CORE	Conduct Counter-Unmanned Systems (C-UxS) operations
E5	CORE	Conduct Electromagnetic Warfare Control Ship (EWCS) procedures
E4	CORE	Configure Common Integrated Broadcast (CIB) radio receiving equipment
E4	CORE	Configure Electromagnetic Warfare (EW) systems
E4	CORE	Configure Electromagnetic Warfare (EW) systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E4	CORE	Construct local emitter libraries
E4	CORE	Coordinate Emission Control (EMCON) conditions
E4	CORE	Deploy Electromagnetic Warfare (EW) countermeasures
E5	CORE	Evaluate Electromagnetic Warfare (EW) Measures of Effectiveness (MOE)
E5	CORE	Evaluate mission threats
E4	CORE	Implement Rapid Evaluation Guidelines (REG)
E6	CORE	Lead Electromagnetic Warfare (EW) operations (e.g., Emission Control (EMCON), Electromagnetic Warfare Support (ES), countermeasures deployment, etc.)
E4	CORE	Maintain Electromagnetic Warfare (EW) status boards and logs
E7	CORE	Manage configuration of Electromagnetic Warfare (EW) systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E7	CORE	Manage decoy handling operations (e.g., onload, offload, inventory, etc.)
E7	CORE	Manage divisional equipment and system configurations
E6	CORE	Manage Electromagnetic Warfare (EW) system operations
E6	CORE	Manage Electromagnetic Warfare (EW) systems during casualty conditions
E5	CORE	Manage transition of Electromagnetic Warfare (EW) systems between conditions of readiness
E4	CORE	Modify Electromagnetic Warfare (EW) equipment readiness conditions
E4	CORE	Modify Radio Detection and Ranging (RADAR) Signature Reduction System (RSRS) conditions
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform decoy handling operations (e.g., onload, offload, inventory, etc.)
E4	CORE	Perform Electromagnetic Attack (EA)
E4	CORE	Perform Electromagnetic Support (ES) operations
E4	CORE	Perform tactical communications (e.g., brevity codes, fleet tactical signals, etc.)

ELECTROMAGNETIC WARFARE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform weapons casualty procedures
E5	CORE	Recommend course corrections in support of tactical operations
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E4	CORE	Report systems equipment status
E5	CORE	Supervise Combat Systems Operational Sequencing System (CSOSS) operations
E5	CORE	Supervise configuration of Electromagnetic Warfare (EW) systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E6	CORE	Supervise construction of local emitter libraries
E6	CORE	Supervise decoy handling operations (e.g., onload, offload, inventory, etc.)
E6	CORE	Supervise divisional equipment and system configurations
E5	CORE	Supervise Electromagnetic Attack (EA) employment
E5	CORE	Supervise Electromagnetic Warfare (EW) countermeasure deployment
E5	CORE	Supervise Emission Control (EMCON) conditions
E5	NON-CORE	Supervise modification of doctrine status
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E5	CORE	Supervise tactical communications (e.g., voice, chat, etc.)
E5	CORE	Supervise transition of Electromagnetic Warfare (EW) systems between conditions of readiness
E4	CORE	Verify Emission Control (EMCON) conditions
E5	CORE	Verify Radio Detection and Ranging (RADAR) Signature Reduction System (RSRS) conditions

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze broadcast data (e.g., national, Global Command and Control System Maritime (GCCS-M), Intelligence Broadcast System/Common Integrated Broadcast (IBS/CIB), etc.)
E4	CORE	Analyze historical Signals of Interest (SOI) data
E4	CORE	Analyze Signals of Interest (SOI)
E4	CORE	Brief cryptologic and intelligence products
E4	CORE	Calculate Radio Detection and Ranging (RADAR) parameters
E4	CORE	Compute Radio Detection and Ranging (RADAR) performance characteristics based on parameters
E4	CORE	Configure Signals Intelligence (SIGINT) and other non-communication systems
E4	CORE	Convert Radio Detection and Ranging (RADAR) parameters
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklists
E5	CORE	Coordinate reachback support
E4	CORE	Correlate national systems data to platform
E4	CORE	Crossfix Signals of Interest (SOI) intercepts

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Determine current tactical picture
E4	CORE	Determine modulation types (i.e., intrapulse, interpulse)
E4	CORE	Determine target source utilizing Unintentional Modulation on Pulse (UMOP)
E5	CORE	Disseminate Electronic Intelligence (ELINT) data and reports (e.g., Operational Electronic Intelligence (OpELINT), Technical Electronics Intelligence (TechELINT), etc.)
E4	CORE	Draft reports (i.e., UNIFORM, Electronic Intelligence Technical Reports (ELT), Tactical Reports (TACREP))
E4	CORE	Evaluate signal quality
E4	CORE	Identify Radio Detection and Ranging (RADAR) systems capabilities
E4	CORE	Implement Electronic Intelligence (ELINT) collection plans
E5	CORE	Input filter management plans
E4	CORE	Interpret message traffic data in support of operations
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Obtain Order of Battle (OOB)
E4	CORE	Perform Operational Electronic Intelligence (OpELINT) analysis (e.g., Intelligence Preparation (IPR), Maritime Domain Awareness (MDA), etc.)
E4	CORE	Provide source of overhead systems data (e.g., ephemeris data, collector diagraph, etc.)
E5	CORE	Report PROFORMA signals
E4	CORE	Research Intelligence Community (IC) databases
E4	CORE	Search Electronic Intelligence (ELINT) databases in support of mission planning and execution
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E4	CORE	Transfer data between systems (e.g., Data Transfer Agent (DTA), Department of Defense (DoD) Secure Access File Exchange (SAFE), DoD Intelligence Information System (DODIIS) One-Way Transfer Tool (DOTS), etc.)
E5	CORE	Update National databases (i.e., provide UNIFORM reports and input to National Operational Electronic Intelligence (OPELENT) Integration Database (NIODB) via the Naval Information Warfighting Development Center (NIWDC) and Navy Information Operations Command (NIOC) Pacific or NIOC Norfolk)
E5	CORE	Validate Electronic Intelligence (ELINT) logs
E7	CORE	Validate reports (i.e., UNIFORM, Tactical Reports (TACREP))
E5	CORE	Verify collection, analysis, and reporting

INFORMATION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct all-source intelligence research
E4	CORE	Conduct Battle Damage Assessment (BDA)
E5	NON-CORE	Conduct non-standard collection operations/unconventional collection
E4	CORE	Configure software-based analysis tools

INFORMATION OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Construct target intelligence packages
E6	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets
E6	CORE	Coordinate Military Deception (MILDEC) plan support
E7	CORE	Coordinate multi-unit employment of Electromagnetic Attacks (EA)
E4	CORE	Correlate Information Operation (IO) asset capabilities and limitations
E5	CORE	Develop intelligence products based on Pattern of Life (PoL)
E7	CORE	Develop joint, allied, and coalition Information Operations (IO) plans
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E7	CORE	Develop strike group Information Operations (IO) directives
E4	CORE	Disseminate Military Information Support Operations (MISO) material
E6	CORE	Evaluate Information Operations (IO) Measures of Effectiveness (MOE)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E4	CORE	Implement Pre-Planned Responses (PPR)
E4	CORE	Implement Signals Intelligence (SIGINT) tasking
E7	CORE	Manage Electromagnetic Warfare Control Ship (EWCS) operations
E7	CORE	Manage Information Operations (IO) postures
E7	CORE	Manage Military Deception (MILDEC) plans
E7	CORE	Manage strike group Information Operations (IO) readiness requirements
E6	CORE	Manage watch teams
E4	CORE	Perform all-source fusion analysis
E4	CORE	Perform geolocation analysis
E4	CORE	Perform Information Operations (IO) utilizing Tactical Data Processors (TDP)
E4	CORE	Perform Military Deception (MILDEC) operations
E4	CORE	Perform Pattern of Life (PoL) analysis
E5	CORE	Prioritize mission threats
E7	CORE	Process fleet Information Operations (IO) requirements
E6	CORE	Provide Counter Intelligence Surveillance Reconnaissance Targeting (CISRT) solutions in support of operations
E6	NON-CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide process feedback to national systems managers
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E5	CORE	Provide target Positive Identification (PID) recommendations
E7	CORE	Recommend Information Operations (IO)/Electromagnetic Warfare (EW) mission objectives
E5	CORE	Recommend Tactical Situations (TACSIT)
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Review Electronic Support Measures (ESM) search plan
E6	NON-CORE	Update Electronic Support Measures (ESM) search plan
E7	NON-CORE	Validate Electronic Support Measures (ESM) search plan
E5	CORE	Evaluate threat envelopes

PLANNING

Paygrade	Task Type	Task Statements
E5	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E6	CORE	Assess emergent Signals Intelligence (SIGINT) threats
E6	CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) exercises
E7	NON-CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) with joint/allied partners
E7	CORE	Coordinate Information Operations (IO) experimentation and advanced capabilities initiatives
E7	CORE	Coordinate Information Operations (IO) integration across all disciplines and warfare areas
E6	CORE	Coordinate joint fires tasking
E7	NON-CORE	Coordinate Underway Strike Group Electromagnetic Warfare (EW) system maintenance
E6	CORE	Develop Concept of Operations (CONOP)
E6	CORE	Develop data for Electromagnetic Warfare (EW) Doctrine Review Board (DRB)
E7	CORE	Develop Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E7	NON-CORE	Develop Electromagnetic Warfare (EW) tactics
E7	CORE	Develop joint Electromagnetic Warfare (EW) plans
E7	CORE	Develop multi-unit Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E6	CORE	Develop Real-Time Spectrum Operations (RTSO) plans
E7	CORE	Develop Signals Intelligence (SIGINT)/Electromagnetic Warfare (EW) plans
E7	CORE	Develop Signals Intelligence (SIGINT)/Electromagnetic Warfare (EW) tactics
E6	CORE	Draft Electromagnetic Warfare (EW) doctrines and bills (e.g., Anti-ship Missile Defense (ASMD), Passive Countermeasures System (PCMS), Emissions Control (EMCON), etc.)
E7	CORE	Draft Electromagnetic Warfare (EW) operational messages (e.g., Electromagnetic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Draft Naval Messages (e.g., Electromagnetic Attack (EA) request, Daily Intentions Messages (DIMS), etc.)
E4	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)
E7	CORE	Manage unit priority target lists

PLANNING (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Request supporting Electromagnetic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E7	CORE	Validate data for Electromagnetic Warfare (EW) Doctrine Review Board (DRB)
E7	CORE	Validate Real-Time Spectrum Operations (RTSO) plans

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Audit Electromagnetic Warfare (EW) system password accounts
E6	CORE	Enforce naval and National security directives and instructions (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E4	CORE	Implement naval cryptologic and national security requirements (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Sensitive Compartmented Information (SCI), etc.)
E4	CORE	Inventory controlled equipment
E4	CORE	Inventory Electromagnetic Warfare (EW) system software and firmware
E4	CORE	Maintain Electromagnetic Warfare (EW) systems password accounts
E5	CORE	Manage controlled equipment
E5	CORE	Sanitize data for dissemination
E6	CORE	Supervise Emergency Action Plan (EAP) operations
E5	CORE	Supervise watch teams
E4	CORE	Support Emergency Action Plans (EAP)

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Configure Electromagnetic Warfare (EW) systems for training and testing evolutions
E6	CORE	Coordinate Combat Systems Training Team (CSTT) drills
E7	CORE	Coordinate Electromagnetic Warfare (EW) systems testing evolutions
E6	CORE	Coordinate equipment certifications and recertifications
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Develop training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E6	CORE	Draft Combat Systems Training Team (CSTT) drill guides
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Implement Combat Systems Training Team (CSTT) drills
E7	CORE	Manage Information Operations (IO) training requirements

TRAINING AND CERTIFICATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise Electromagnetic Warfare (EW) systems testing evolutions
E7	CORE	Validate Combat Systems Training Team (CSTT) drill guides
E6	CORE	Validate training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E7	CORE	Verify Integrated and advanced phase training requirements (e.g., Naval Mission Essential Task List (NMETL), Naval Task (NTA), Advanced Pre-Deployment Training (APDT), etc.)

Job Title **Job Code**

Surface Electromagnetic Warfare (EW) Maintainer 002676

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	SURFACE EW MAINTAINER	SURF EW MAINT

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTT	NEC CXXX series and other NECs as assigned

Job Description

Surface Electromagnetic Warfare (EW) Maintainers operate and perform preventive and corrective maintenance on EW and ancillary systems used for analysis, monitoring, tracking, recognition, identification, and electronic attack; install, test, troubleshoot, repair, and replace EW broadcast networks, electronic equipment, antennas, countermeasures, auxiliary equipment, digital and optical interfaces, and data systems; manage mission organizational level maintenance; coordinate repair of EW systems; and prepare reports and inventories of equipment.

DoD Relationship

Group Title	*DoD Code*
Intercept Operators and Mathematical Non-Code)	123100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Network and Computer Systems Administrators	15-1244.00	Code and Computer

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Management of Material Resources	*Written Comprehension*
Coordination	*Inductive Reasoning*
Quality Control Analysis	*Written Expression*
Judgment and Decision Making	*Control Precision*
Operation and Control	*Information Ordering*
Complex Problem Solving	*Oral Expression*
Systems Evaluation	*Problem Sensitivity*
Equipment Maintenance	*Perceptual Speed*
Systems Analysis	*Time Sharing*

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Align Electromagnetic Warfare (EW) systems
E4	CORE	Analyze blueprints and platform/unit drawings
E4	CORE	Analyze equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E7	CORE	Approve equipment installations, testing, and alterations
E4	CORE	Collect equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E5	CORE	Conduct Radio Detection and Ranging (RADAR) Cross Section (RCS) testing
E4	CORE	Configure auxiliary air and cooling water systems
E4	CORE	Configure display systems
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Configure internal communications networks
E4	CORE	Configure network systems
E4	CORE	Configure power conversion and distribution systems
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E6	CORE	Coordinate Combat Systems Alignment (CSA) evolutions
E6	NON-CORE	Coordinate Electromagnetic Warfare (EW) equipment installations

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION(CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Coordinate Electromagnetic Warfare (EW) equipment removals
E6	CORE	Coordinate Electromagnetic Warfare (EW) systems software, firmware installations and updates
E7	CORE	Coordinate Electromagnetic Warfare (EW) test range runs
E6	CORE	Direct weapons casualty evolutions
E4	CORE	Document equipment and system status data (e.g., Regional Maintenance Center (RMC), Destroyer Squadron (DESRON), Amphibious Squadron (PHIBRON), etc.)
E6	CORE	Draft equipment casualty reports
E6	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E4	CORE	Inspect work areas, tools, and equipment
E5	CORE	Install equipment and alterations
E4	NON-CORE	Install Field Change (FC) kits
E6	CORE	Interpret test and evaluation range results (e.g., ULM-4, Passive Countermeasures System (PCMS), etc.)
E4	CORE	Inventory General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Inventory Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Maintain alarm, safety, and warning systems
E4	CORE	Maintain Joint Tactical Terminal-Maritime/Joint Tactical Terminal-Maritime Embedded National Tactical Receiver (JTT-M/JTT-ME)
E4	CORE	Maintain local emitter libraries
E4	CORE	Maintain network systems
E4	CORE	Maintain onboard training systems (e.g., Ship's Electronic Warfare Tactical Training (SEWTT), Battle Force Electronic Warfare Trainer (BEWT), etc.)
E4	CORE	Maintain Passive Countermeasure System (PCMS)
E7	CORE	Manage Passive Countermeasure System (PCMS) programs
E5	CORE	Manage system software updates
E4	CORE	Perform Combat Systems Alignments (CSA)
E4	CORE	Perform corrosion prevention and control procedures on Electromagnetic Warfare (EW) systems
E4	CORE	Perform Electromagnetic Warfare (EW) systems software, firmware installations and updates
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment shutdown procedures
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment startup procedures
E4	CORE	Perform equipment validations
E4	CORE	Perform Tactical Data Processors (TDP) startup procedures
E4	CORE	Repair Alternating Current (AC) circuits

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair auxiliary air and cooling water systems
E4	CORE	Repair computer and peripheral systems
E4	CORE	Repair Direct Current (DC) circuits
E4	CORE	Repair display systems
E4	CORE	Repair Electromagnetic Warfare (EW) systems
E5	NON-CORE	Repair fiber optic cables and connectors
E5	NON-CORE	Repair interconnecting cables and connectors
E4	NON-CORE	Repair network systems
E4	CORE	Repair power conversion and distribution systems
E4	CORE	Replace computer and peripheral systems
E4	CORE	Replace digital circuits
E4	CORE	Replace electromechanical (synchro/servo) systems
E4	NON-CORE	Replace fiber optic cables and connectors
E4	CORE	Replace power supplies
E4	CORE	Replace Radio Frequency (RF) components
E5	CORE	Supervise Electromagnetic Warfare (EW) systems during casualty conditions
E5	CORE	Supervise Electromagnetic Warfare (EW) systems software, firmware installations, and updates
E5	CORE	Supervise equipment installations, testing, and alterations
E6	CORE	Supervise System Operation Verification Testing (SOVT)
E7	CORE	Supervise weapons casualty evolutions
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center maintenance operations
E4	CORE	Test alarm, safety, and warning systems
E4	CORE	Test Alternating Current (AC) circuits
E4	CORE	Test auxiliary air and cooling water systems
E4	CORE	Test computer and peripheral systems
E4	CORE	Test data links
E4	CORE	Test digital circuits
E4	CORE	Test Direct Current (DC) circuits
E4	CORE	Test display systems
E4	CORE	Test Electromagnetic Warfare (EW) systems
E4	CORE	Test electromechanical (synchro/servo) systems
E4	NON-CORE	Test fiber optic cables and connectors
E4	CORE	Test interconnecting cables and connectors
E4	CORE	Test internal communications networks
E4	CORE	Test network systems
E4	CORE	Test power conversion and distribution systems

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test power supplies
E4	CORE	Test Radio Frequency (RF) components
E4	CORE	Troubleshoot Alternating Current (AC) circuits
E4	CORE	Troubleshoot auxiliary air and cooling water systems
E4	CORE	Troubleshoot computer and peripheral systems
E4	CORE	Troubleshoot digital circuits
E4	CORE	Troubleshoot Direct Current (DC) circuits
E4	CORE	Troubleshoot display systems
E4	CORE	Troubleshoot Electromagnetic Warfare (EW) systems
E4	CORE	Troubleshoot electromechanical (synchro/servo) systems
E4	NON-CORE	Troubleshoot fiber optic cables and connectors
E4	CORE	Troubleshoot interconnecting cables and connectors
E4	CORE	Troubleshoot internal communications networks
E4	CORE	Troubleshoot network systems
E4	CORE	Troubleshoot power conversion and distribution systems
E4	CORE	Troubleshoot power supplies
E4	CORE	Troubleshoot Radio Frequency (RF) components
E5	CORE	Update Combat System (CS) smooth logs
E5	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E6	CORE	Validate Combat System (CS) smooth logs
E4	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)
E6	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure from Specifications (DFS), etc.)
E7	CORE	Verify System Operability Verification Test (SOVT)

ELECTROMAGNETIC SPECTRUM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure Own-Force Monitoring (OFM) equipment
E6	CORE	Construct Electromagnetic (EM) Battlespace plans (e.g., Real-Time Spectrum Operations (RTSO), Emission Control (EMCON), etc.)
E5	CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Identify Electromagnetic Interference (EMI)
E7	CORE	Integrate into Joint Restricted Frequency List (JRFL) process
E7	CORE	Manage spectrum plans
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Monitor own force emissions
E5	CORE	Obtain space weather reports for Electromagnetic Spectrum Operations (EMSO)

ELECTROMAGNETIC SPECTRUM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Own-Force Monitoring (OFM) equipment shutdown procedures
E4	CORE	Perform Own-Force Monitoring (OFM) equipment startup procedures
E5	CORE	Perform unit level Electromagnetic Spectrum Operations (EMSO)
E5	CORE	Predict friendly and/or adversary equipment performance characteristics based on propagation modeling utilizing parametric and atmospheric data (e.g., BUILDER, Realtime Spectrum Operations (RTSO), etc.)
E5	CORE	Report Electromagnetic Interference (EMI)
E5	CORE	Report jamming sources
E5	CORE	Research jamming sources
E6	CORE	Validate Electromagnetic Spectrum Operations (EMSO) documentation (e.g., Real-Time Spectrum Operations (RTSO), Hazards of Electromagnetic Radiation to Ordnance (HERO), Emission Control (EMCON), etc.)

ELECTROMAGNETIC WARFARE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Calculate threat detection envelopes
E5	CORE	Conduct Counter-Intelligence Surveillance Reconnaissance Targeting (CISRT)
E5	NON-CORE	Conduct Counter-Unmanned Systems (C-UxS) operations
E5	CORE	Conduct Electromagnetic Warfare Control Ship (EWCS) procedures
E4	CORE	Configure Common Integrated Broadcast (CIB) radio receiving equipment
E4	CORE	Configure Electromagnetic Warfare (EW) systems
E4	CORE	Configure Electromagnetic Warfare (EW) systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E4	CORE	Construct local emitter libraries
E4	CORE	Coordinate Emission Control (EMCON) conditions
E4	CORE	Deploy Electromagnetic Warfare (EW) countermeasures
E5	CORE	Evaluate Electromagnetic Warfare (EW) Measures of Effectiveness (MOE)
E5	CORE	Evaluate mission threats
E4	CORE	Implement Rapid Evaluation Guidelines (REG)
E6	CORE	Lead Electromagnetic Warfare (EW) operations (e.g., Emission Control (EMCON), Electromagnetic Warfare Support (ES), countermeasures deployment, etc.)
E4	CORE	Maintain Electromagnetic Warfare (EW) status boards and logs
E7	CORE	Manage configuration of Electromagnetic Warfare (EW) systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E7	CORE	Manage decoy handling operations (e.g., onload, offload, inventory, etc.)
E7	CORE	Manage divisional equipment and system configurations
E6	CORE	Manage Electromagnetic Warfare (EW) system operations
E6	CORE	Manage Electromagnetic Warfare (EW) systems during casualty conditions

ELECTROMAGNETIC WARFARE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Manage transition of Electromagnetic Warfare (EW) systems between conditions of readiness
E4	CORE	Modify Electromagnetic Warfare (EW) equipment readiness conditions
E4	CORE	Modify Radio Detection and Ranging (RADAR) Signature Reduction System (RSRS) conditions
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform decoy handling operations (e.g., onload, offload, inventory, etc.)
E4	CORE	Perform Electromagnetic Attack (EA)
E4	CORE	Perform Electromagnetic Support (ES) operations
E4	CORE	Perform tactical communications (e.g., brevity codes, fleet tactical signals, etc.)
E4	CORE	Perform weapons casualty procedures
E5	CORE	Recommend course corrections in support of tactical operations
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E4	CORE	Report systems equipment status
E5	CORE	Supervise Combat Systems Operational Sequencing System (CSOSS) operations
E5	CORE	Supervise configuration of Electromagnetic Warfare (EW) systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E6	CORE	Supervise construction of local emitter libraries
E6	CORE	Supervise decoy handling operations (e.g., onload, offload, inventory, etc.)
E6	CORE	Supervise divisional equipment and system configurations
E5	CORE	Supervise Electromagnetic Attack (EA) employment
E5	CORE	Supervise Electromagnetic Warfare (EW) countermeasure deployment
E5	CORE	Supervise Emission Control (EMCON) conditions
E5	NON-CORE	Supervise modification of doctrine status
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E5	CORE	Supervise tactical communications (e.g., voice, chat, etc.)
E5	CORE	Supervise transition of Electromagnetic Warfare (EW) systems between conditions of readiness
E4	CORE	Verify Emission Control (EMCON) conditions
E5	CORE	Verify Radio Detection and Ranging (RADAR) Signature Reduction System (RSRS) conditions

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze broadcast data (e.g., national, Global Command and Control System Maritime (GCCS-M), Intelligence Broadcast System/Common Integrated Broadcast (IBS/CIB), etc.)
E4	CORE	Analyze historical Signals of Interest (SOI) data
E4	CORE	Analyze Signals of Interest (SOI)
E4	CORE	Brief cryptologic and intelligence products
E4	CORE	Calculate Radio Detection and Ranging (RADAR) parameters
E4	CORE	Compute Radio Detection and Ranging (RADAR) performance characteristics based on parameters
E4	CORE	Configure Signals Intelligence (SIGINT) and other non-communication systems
E4	CORE	Convert Radio Detection and Ranging (RADAR) parameters
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklists
E5	CORE	Coordinate reachback support
E4	CORE	Correlate national systems data to platform
E4	CORE	Crossfix Signals of Interest (SOI) intercepts
E4	CORE	Determine current tactical picture
E4	CORE	Determine modulation types (i.e., intrapulse, interpulse)
E4	CORE	Determine target source utilizing Unintentional Modulation on Pulse (UMOP)
E5	CORE	Disseminate Electronic Intelligence (ELINT) data and reports (e.g., Operational Electronic Intelligence (OpELINT), Technical Electronics Intelligence (TechELINT), etc.)
E4	CORE	Draft reports (i.e., UNIFORM, Electronic Intelligence Technical Reports (ELT), Tactical Reports (TACREP))
E4	CORE	Evaluate signal quality
E4	CORE	Identify Radio Detection and Ranging (RADAR) systems capabilities
E4	CORE	Implement Electronic Intelligence (ELINT) collection plans
E5	CORE	Input filter management plans
E4	CORE	Interpret message traffic data in support of operations
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Obtain Order of Battle (OOB)
E4	CORE	Perform Operational Electronic Intelligence (OpELINT) analysis (e.g., Intelligence Preparation (IPR), Maritime Domain Awareness (MDA), etc.)
E4	CORE	Provide source of overhead systems data (e.g., ephemeris data, collector diagraph, etc.)
E5	CORE	Report PROFORMA signals
E4	CORE	Research Intelligence Community (IC) databases

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Search Electronic Intelligence (ELINT) databases in support of mission planning and execution
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E4	CORE	Transfer data between systems (e.g., Data Transfer Agent (DTA), Department of Defense (DoD) Secure Access File Exchange (SAFE), DoD Intelligence Information System (DODIIS) One-Way Transfer Tool (DOTS), etc.)
E5	CORE	Update National databases (i.e., provide UNIFORM reports and input to National Operational Electronic Intelligence (OPELENT) Integration Database (NIODB) via the Naval Information Warfighting Development Center (NIWDC) and Navy Information Operations Command (NIOC) Pacific or NIOC Norfolk)
E5	CORE	Validate Electronic Intelligence (ELINT) logs
E7	CORE	Validate reports (i.e., UNIFORM, Tactical Reports (TACREP))
E5	CORE	Verify collection, analysis, and reporting

INFORMATION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct all-source intelligence research
E4	CORE	Conduct Battle Damage Assessment (BDA)
E5	NON-CORE	Conduct non-standard collection operations/unconventional collection
E4	CORE	Configure software-based analysis tools
E5	NON-CORE	Construct target intelligence packages
E6	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets
E6	CORE	Coordinate Military Deception (MILDEC) plan support
E7	CORE	Coordinate multi-unit employment of Electromagnetic Attacks (EA)
E4	CORE	Correlate Information Operation (IO) asset capabilities and limitations
E5	CORE	Develop intelligence products based on Pattern of Life (PoL)
E7	CORE	Develop joint, allied, and coalition Information Operations (IO) plans
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E7	CORE	Develop strike group Information Operations (IO) directives
E4	CORE	Disseminate Military Information Support Operations (MISO) material
E6	CORE	Evaluate Information Operations (IO) Measures of Effectiveness (MOE)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E4	CORE	Implement Pre-Planned Responses (PPR)
E4	CORE	Implement Signals Intelligence (SIGINT) tasking
E7	CORE	Manage Electromagnetic Warfare Control Ship (EWCS) operations
E7	CORE	Manage Information Operations (IO) postures
E7	CORE	Manage Military Deception (MILDEC) plans
E7	CORE	Manage strike group Information Operations (IO) readiness requirements
E6	CORE	Manage watch teams
E4	CORE	Perform all-source fusion analysis
E4	CORE	Perform geolocation analysis

INFORMATION OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Information Operations (IO) utilizing Tactical Data Processors (TDP)
E4	CORE	Perform Military Deception (MILDEC) operations
E4	CORE	Perform Pattern of Life (PoL) analysis
E5	CORE	Prioritize mission threats
E7	CORE	Process fleet Information Operations (IO) requirements
E6	CORE	Provide Counter Intelligence Surveillance Reconnaissance Targeting (CISRT) solutions in support of operations
E6	NON-CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide process feedback to national systems managers
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E5	CORE	Provide target Positive Identification (PID) recommendations
E7	CORE	Recommend Information Operations (IO)/Electromagnetic Warfare (EW) mission objectives
E5	CORE	Recommend Tactical Situations (TACSIT)
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Review Electronic Support Measures (ESM) search plan
E6	NON-CORE	Update Electronic Support Measures (ESM) search plan
E7	NON-CORE	Validate Electronic Support Measures (ESM) search plan

NON-MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E5	CORE	Evaluate threat envelopes

PLANNING

Paygrade	Task Type	Task Statements
E5	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E6	CORE	Assess emergent Signals Intelligence (SIGINT) threats
E6	CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) exercises
E7	NON-CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) with joint/allied partners
E7	CORE	Coordinate Information Operations (IO) experimentation and advanced capabilities initiatives
E7	CORE	Coordinate Information Operations (IO) integration across all disciplines and warfare areas
E6	CORE	Coordinate joint fires tasking
E7	NON-CORE	Coordinate Underway Strike Group Electromagnetic Warfare (EW) system maintenance

PLANNING (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Develop Concept of Operations (CONOP)
E6	CORE	Develop data for Electromagnetic Warfare (EW) Doctrine Review Board (DRB)
E7	CORE	Develop Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E7	NON-CORE	Develop Electromagnetic Warfare (EW) tactics
E7	CORE	Develop joint Electromagnetic Warfare (EW) plans
E7	CORE	Develop multi-unit Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E6	CORE	Develop Real-Time Spectrum Operations (RTSO) plans
E7	CORE	Develop Signals Intelligence (SIGINT)/Electromagnetic Warfare (EW) plans
E7	CORE	Develop Signals Intelligence (SIGINT)/Electromagnetic Warfare (EW) tactics
E6	CORE	Draft Electromagnetic Warfare (EW) doctrines and bills (e.g., Anti-ship Missile Defense (ASMD), Passive Countermeasures System (PCMS), Emissions Control (EMCON), etc.)
E7	CORE	Draft Electromagnetic Warfare (EW) operational messages (e.g., Electromagnetic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Draft Naval Messages (e.g., Electromagnetic Attack (EA) request, Daily Intentions Messages (DIMS), etc.)
E4	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)
E7	CORE	Manage unit priority target lists
E7	CORE	Request supporting Electromagnetic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E7	CORE	Validate data for Electromagnetic Warfare (EW) Doctrine Review Board (DRB)
E7	CORE	Validate Real-Time Spectrum Operations (RTSO) plans

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Audit Electromagnetic Warfare (EW) system password accounts
E6	CORE	Enforce naval and National security directives and instructions (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E4	CORE	Implement naval cryptologic and national security requirements (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Sensitive Compartmented Information (SCI), etc.)
E4	CORE	Inventory controlled equipment
E4	CORE	Inventory Electromagnetic Warfare (EW) system software and firmware
E4	CORE	Maintain Electromagnetic Warfare (EW) systems password accounts
E5	CORE	Manage controlled equipment
E5	CORE	Sanitize data for dissemination

SECURITY AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise Emergency Action Plan (EAP) operations
E5	CORE	Supervise watch teams
E4	CORE	Support Emergency Action Plans (EAP)

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Configure Electromagnetic Warfare (EW) systems for training and testing evolutions
E6	CORE	Coordinate Combat Systems Training Team (CSTT) drills
E7	CORE	Coordinate Electromagnetic Warfare (EW) systems testing evolutions
E6	CORE	Coordinate equipment certifications and recertifications
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Develop training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E6	CORE	Draft Combat Systems Training Team (CSTT) drill guides
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Implement Combat Systems Training Team (CSTT) drills
E7	CORE	Manage Information Operations (IO) training requirements
E5	CORE	Supervise Electromagnetic Warfare (EW) systems testing evolutions
E7	CORE	Validate Combat Systems Training Team (CSTT) drill guides
E6	CORE	Validate training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E7	CORE	Verify Integrated and advanced phase training requirements (e.g., Naval Mission Essential Task List (NMETL), Naval Task (NTA), Advanced Pre-Deployment Training (APDT), etc.)

Job Title **Job Code**

Information Operations Planner 002677

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Protective Service	TBD	INFORMATION OPS PLANNER	INFO OPS PLNR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTT	NEC CXXX series and other NECs as assigned

Job Description

Information Operations Planners maintain Information Operations (IO)/Electromagnetic Warfare (EW) readiness; ensure IO core competency mission objectives are met; collaborate with Warfare Commanders to ensure IO planning is executed as part of the overall mission; develop spectrum management plans, Military Deception (MILDEC) plans, IO doctrine, Emission Control (EMCON) plans, Operations Security (OPSEC) directives, Military Information Support Operations (MISO), integrated fires, battlespace awareness, Assured Command and Control (C2), and Pre-Planned Responses (PPR); and schedule and execute training to maintain IO/EW readiness.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Intercept Operators (Code and Non-Code)	123100	Intelligence Analysts	33-3021.06	Protective Service

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Coordination	*Inductive Reasoning*
Management of Material Resources	*Written Expression*
Judgment and Decision Making	*Written Comprehension*
Complex Problem Solving	*Information Ordering*
Quality Control Analysis	*Oral Expression*
Operation and Control	*Perceptual Speed*
Reading Comprehension	*Time Sharing*
Writing	*Problem Sensitivity*
Monitoring	*Originality*

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E4	CORE	Collect equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E4	CORE	Configure display systems
E6	NON-CORE	Coordinate Electromagnetic Warfare (EW) equipment installations
E6	NON-CORE	Coordinate Electromagnetic Warfare (EW) equipment removals
E7	CORE	Coordinate Electromagnetic Warfare (EW) test range runs
E4	CORE	Document equipment and system status data (e.g., Regional Maintenance Center (RMC), Destroyer Squadron (DESRON), Amphibious Squadron (PHIBRON), etc.)
E6	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E4	CORE	Inspect work areas, tools, and equipment
E6	CORE	Interpret test and evaluation range results (e.g., ULM-4, Passive Countermeasures System (PCMS), etc.)
E7	CORE	Manage Passive Countermeasure System (PCMS) programs
E4	CORE	Perform Tactical Data Processors (TDP) startup procedures
E5	CORE	Supervise Electromagnetic Warfare (EW) systems during casualty conditions
E4	CORE	Test display systems

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure from Specifications (DFS), etc.)

ELECTROMAGNETIC SPECTRUM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure Own-Force Monitoring (OFM) equipment
E6	CORE	Construct Electromagnetic (EM) Battlespace plans (e.g., Real-Time Spectrum Operations (RTSO), Emission Control (EMCON), etc.)
E5	CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Identify Electromagnetic Interference (EMI)
E7	CORE	Integrate into Joint Restricted Frequency List (JRFL) process
E7	CORE	Manage spectrum plans
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Monitor own force emissions
E5	CORE	Obtain space weather reports for Electromagnetic Spectrum Operations (EMSO)
E4	CORE	Perform Own-Force Monitoring (OFM) equipment shutdown procedures
E4	CORE	Perform Own-Force Monitoring (OFM) equipment startup procedures
E5	CORE	Predict friendly and/or adversary equipment performance characteristics based on propagation modeling utilizing parametric and atmospheric data (e.g., BUILDER, Realtime Spectrum Operations (RTSO), etc.)
E5	CORE	Report Electromagnetic Interference (EMI)
E5	CORE	Report jamming sources
E5	CORE	Research jamming sources
E6	CORE	Validate Electromagnetic Spectrum Operations (EMSO) documentation (e.g., Real-Time Spectrum Operations (RTSO), Hazards of Electromagnetic Radiation to Ordnance (HERO), Emission Control (EMCON), etc.)

ELECTROMAGNETIC WARFARE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Calculate threat detection envelopes
E5	CORE	Conduct Counter-Intelligence Surveillance Reconnaissance Targeting (CISRT)
E5	NON-CORE	Conduct Counter-Unmanned Systems (C-UxS) operations
E4	CORE	Coordinate Emission Control (EMCON) conditions
E5	CORE	Evaluate Electromagnetic Warfare (EW) Measures of Effectiveness (MOE)
E5	CORE	Evaluate mission threats
E4	CORE	Implement Rapid Evaluation Guidelines (REG)
E6	CORE	Lead Electromagnetic Warfare (EW) operations (e.g., Emission Control (EMCON), Electromagnetic Warfare Support (ES), countermeasures deployment, etc.)
E4	CORE	Maintain Electromagnetic Warfare (EW) status boards and logs
E7	CORE	Manage divisional equipment and system configurations
E6	CORE	Manage Electromagnetic Warfare (EW) system operations

ELECTROMAGNETIC WARFARE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage Electromagnetic Warfare (EW) systems during casualty conditions
E5	CORE	Manage transition of Electromagnetic Warfare (EW) systems between conditions of readiness
E4	CORE	Modify Electromagnetic Warfare (EW) equipment readiness conditions
E4	CORE	Perform Electromagnetic Support (ES) operations
E4	CORE	Perform tactical communications (e.g., brevity codes, fleet tactical signals, etc.)
E5	CORE	Recommend course corrections in support of tactical operations
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E4	CORE	Report systems equipment status
E6	CORE	Supervise construction of local emitter libraries
E6	CORE	Supervise divisional equipment and system configurations
E5	CORE	Supervise Electromagnetic Attack (EA) employment
E5	CORE	Supervise Electromagnetic Warfare (EW) countermeasure deployment
E5	CORE	Supervise Emission Control (EMCON) conditions
E5	NON-CORE	Supervise modification of doctrine status
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E5	CORE	Supervise tactical communications (e.g., voice, chat, etc.)
E5	CORE	Supervise transition of Electromagnetic Warfare (EW) systems between conditions of readiness
E4	CORE	Verify Emission Control (EMCON) conditions
E5	CORE	Verify Radio Detection and Ranging (RADAR) Signature Reduction System (RSRS) conditions

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze historical Signals of Interest (SOI) data
E4	CORE	Analyze Signals of Interest (SOI)
E4	CORE	Brief cryptologic and intelligence products
E4	CORE	Configure Signals Intelligence (SIGINT) and other non-communication systems
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklists
E5	CORE	Coordinate reachback support
E4	CORE	Coordinate with respective consumer(s)
E4	CORE	Crossfix Signals of Interest (SOI) intercepts
E4	CORE	Determine current tactical picture
E5	CORE	Disseminate Electronic Intelligence (ELINT) data and reports (e.g., Operational Electronic Intelligence (OpELINT), Technical Electronics Intelligence (TechELINT), etc.)
E4	CORE	Draft reports (i.e., UNIFORM, Electronic Intelligence Technical Reports (ELT), Tactical Reports (TACREP))
E4	CORE	Identify Radio Detection and Ranging (RADAR) systems capabilities
E4	CORE	Implement Electronic Intelligence (ELINT) collection plans

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Input filter management plans
E4	CORE	Interpret message traffic data in support of operations
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Obtain Order of Battle (OOB)
E4	CORE	Perform Operational Electronic Intelligence (OpELINT) analysis (e.g., Intelligence Preparation (IPR), Maritime Domain Awareness (MDA), etc.)
E4	CORE	Research Intelligence Community (IC) databases
E4	CORE	Search Electronic Intelligence (ELINT) databases in support of mission planning and execution
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E5	CORE	Validate Electronic Intelligence (ELINT) logs
E7	CORE	Validate reports (i.e., UNIFORM, Tactical Reports (TACREP))
E5	CORE	Verify collection, analysis, and reporting

INFORMATION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct all-source intelligence research
E4	CORE	Conduct Battle Damage Assessment (BDA)
E4	CORE	Configure software-based analysis tools
E5	NON-CORE	Construct target intelligence packages
E6	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets
E6	CORE	Coordinate Military Deception (MILDEC) plan support
E7	CORE	Coordinate multi-unit employment of Electromagnetic Attacks (EA)
E5	CORE	Coordinate target analysis
E4	CORE	Correlate Information Operation (IO) asset capabilities and limitations
E5	CORE	Develop intelligence products based on Pattern of Life (PoL)
E7	CORE	Develop joint, allied, and coalition Information Operations (IO) plans
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E7	CORE	Develop strike group Information Operations (IO) directives
E4	CORE	Disseminate Military Information Support Operations (MISO) material
E6	CORE	Evaluate Information Operations (IO) Measures of Effectiveness (MOE)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E4	CORE	Implement Pre-Planned Responses (PPR)
E4	CORE	Implement Signals Intelligence (SIGINT) tasking
E7	CORE	Manage Electromagnetic Warfare Control Ship (EWCS) operations
E7	CORE	Manage Information Operations (IO) postures
E7	CORE	Manage Military Deception (MILDEC) plans
E7	NON-CORE	Manage Signals Intelligence (SIGINT) equipment resource allocation with joint forces and Intelligence Community (IC) partners
E7	CORE	Manage strike group Information Operations (IO) readiness requirements

INFORMATION OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage watch teams
E4	CORE	Perform all-source fusion analysis
E4	CORE	Perform geolocation analysis
E4	CORE	Perform Information Operations (IO) utilizing Tactical Data Processors (TDP)
E4	CORE	Perform Military Deception (MILDEC) operations
E4	CORE	Perform Pattern of Life (PoL) analysis
E5	CORE	Prioritize mission threats
E7	CORE	Process fleet Information Operations (IO) requirements
E6	CORE	Provide Counter Intelligence Surveillance Reconnaissance Targeting (CISRT) solutions in support of operations
E6	NON-CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide process feedback to national systems managers
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E5	NON-CORE	Recommend collection assets and windows of opportunity
E7	CORE	Recommend Information Operations (IO)/Electromagnetic Warfare (EW) mission objectives
E5	CORE	Recommend Tactical Situations (TACSIT)
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Deconflict Signals Intelligence (SIGINT) operations
E7	NON-CORE	Request Electromagnetic warfare (EW)/Signals Intelligence (SIGINT) supporting assets
E6	NON-CORE	Update Electronic Support Measures (ESM) search plan
E7	NON-CORE	Validate Electronic Support Measures (ESM) search plan

NON-MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E7	NON-CORE	Direct Signals Intelligence (SIGINT) taskings
E5	CORE	Evaluate threat envelopes
E7	NON-CORE	Manage targeting cycles
E7	NON-CORE	Request assets and resources to meet intelligence requirements

PLANNING

Paygrade	Task Type	Task Statements
E5	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E6	CORE	Assess emergent Signals Intelligence (SIGINT) threats
E6	CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) exercises
E7	NON-CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) with joint/allied partners
E7	CORE	Coordinate Information Operations (IO) experimentation and advanced capabilities initiatives
E7	CORE	Coordinate Information Operations (IO) integration across all disciplines and warfare areas
E6	CORE	Coordinate joint fires tasking
E7	NON-CORE	Coordinate joint Signals Intelligence (SIGINT) collection plans
E7	NON-CORE	Coordinate support to Air Tasking Order (ATO)
E7	NON-CORE	Coordinate Underway Strike Group Electromagnetic Warfare (EW) system maintenance
E7	NON-CORE	Deconflict national target lists
E7	NON-CORE	Develop allied/coalition Information Operations (IO) Directives
E7	CORE	Develop communications Electromagnetic Attack (EA) plans
E6	CORE	Develop Concept of Operations (CONOP)
E6	CORE	Develop data for Electromagnetic Warfare (EW) Doctrine Review Board (DRB)
E7	CORE	Develop Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E7	NON-CORE	Develop Electromagnetic Warfare (EW) tactics
E7	CORE	Develop joint Electromagnetic Warfare (EW) plans
E7	NON-CORE	Develop joint Information Operations (IO) Directives
E7	CORE	Develop multi-unit Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E6	CORE	Develop Real-Time Spectrum Operations (RTSO) plans
E7	CORE	Develop Signals Intelligence (SIGINT)/Electromagnetic Warfare (EW) plans
E7	CORE	Develop Signals Intelligence (SIGINT)/Electromagnetic Warfare (EW) tactics
E6	CORE	Draft Electromagnetic Warfare (EW) doctrines and bills (e.g., Anti-ship Missile Defense (ASMD), Passive Countermeasures System (PCMS), Emissions Control (EMCON), etc.)
E7	CORE	Draft Electromagnetic Warfare (EW) operational messages (e.g., Electromagnetic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Draft Naval Messages (e.g., Electromagnetic Attack (EA) request, Daily Intentions Messages (DIMS), etc.)
E7	CORE	Enforce higher authority directives (e.g., Operational Tasking (OPTASK) Operational Order (OPORD) Operational Plan (OPLAN), etc.)
E4	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)

PLANNING (CONT'D

Paygrade	Task Type	Task Statements
E7	CORE	Manage unit priority target lists
E7	CORE	Request supporting Electromagnetic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E7	CORE	Validate Real-Time Spectrum Operations (RTSO) plans

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Audit Electromagnetic Warfare (EW) system password accounts
E6	CORE	Enforce naval and National security directives and instructions (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E4	CORE	Implement naval cryptologic and national security requirements (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Sensitive Compartmented Information (SCI), etc.)
E4	CORE	Inventory controlled equipment
E4	CORE	Maintain Electromagnetic Warfare (EW) systems password accounts
E5	CORE	Manage controlled equipment
E5	CORE	Sanitize data for dissemination
E6	CORE	Supervise Emergency Action Plan (EAP) operations
E5	CORE	Supervise watch teams
E4	CORE	Support Emergency Action Plans (EAP)

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E7	CORE	Coordinate Electromagnetic Warfare (EW) systems testing evolutions
E6	CORE	Coordinate equipment certifications and recertifications
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Develop training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E7	CORE	Manage Information Operations (IO) training requirements
E6	CORE	Validate training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E7	CORE	Verify Integrated and advanced phase training requirements (e.g., Naval Mission Essential Task List (NMETL), Naval Task (NTA), Advanced Pre-Deployment Training (APDT), etc.)

Job Title **Job Code**

Operational Electronic Intelligence Analyst 002756

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Protective Service	TBD	OPERATIONAL ELINT ANALYST	OpELINT ANLYST

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTT	NEC CXXX series and other NECs as assigned

Job Description

Operational Electronic Intelligence (OpELINT) Analysts perform collection, correlation, geo-location/geo-spatial, and operational analysis of non-communication and other signals derived from multiple intelligence production resources; analyze and report all-source information for tactical and strategic commanders in support of Fleet, Theater, and National objectives; and produce assessments detailing the capabilities, trends, and vulnerabilities of foreign non-communication and weapons systems.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Intercept Operators (Code and Non-Code)	123100	Intelligence Analysts	33-3021.06	Protective Service

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Coordination	*Inductive Reasoning*
Judgment and Decision Making	*Written Comprehension*
Management of Material Resources	*Written Expression*
Operation and Control	*Information Ordering*
Complex Problem Solving	*Oral Expression*
Quality Control Analysis	*Perceptual Speed*
Reading Comprehension	*Control Precision*
Writing	*Time Sharing*
Systems Analysis	*Problem Sensitivity*

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Align Electromagnetic Warfare (EW) systems
E4	CORE	Analyze equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E7	CORE	Approve equipment installations, testing, and alterations
E4	CORE	Collect equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E4	CORE	Configure display systems
E4	CORE	Configure internal communications networks
E4	CORE	Configure network systems
E6	CORE	Coordinate Electromagnetic Warfare (EW) systems software, firmware installations and updates
E4	CORE	Document equipment and system status data (e.g., Regional Maintenance Center (RMC), Destroyer Squadron (DESRON), Amphibious Squadron (PHIBRON), etc.)
E6	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure from Specifications (DFS), etc.)
E4	CORE	Inspect work areas, tools, and equipment
E4	CORE	Maintain local emitter libraries
E5	CORE	Manage system software updates
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment shutdown procedures

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment startup procedures
E4	CORE	Perform Tactical Data Processors (TDP) startup procedures
E4	CORE	Test display systems
E6	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure from Specifications (DFS), etc.)

ELECTROMAGNETIC SPECTRUM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure Own-Force Monitoring (OFM) equipment
E5	CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Identify Electromagnetic Interference (EMI)
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Monitor own force emissions
E5	CORE	Obtain space weather reports for Electromagnetic Spectrum Operations (EMSO)
E4	CORE	Perform Own-Force Monitoring (OFM) equipment shutdown procedures
E4	CORE	Perform Own-Force Monitoring (OFM) equipment startup procedures
E5	CORE	Perform unit level Electromagnetic Spectrum Operations (EMSO)
E5	CORE	Predict friendly and/or adversary equipment performance characteristics based on propagation modeling utilizing parametric and atmospheric data (e.g., BUILDER, Realtime Spectrum Operations (RTSO), etc.)
E5	CORE	Report Electromagnetic Interference (EMI)
E5	CORE	Report jamming sources
E5	CORE	Research jamming sources

ELECTROMAGNETIC WARFARE OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Calculate detection ranges for Naval Special Warfare (NSW) specific platforms
E4	CORE	Calculate threat detection envelopes
E5	CORE	Conduct Counter-Intelligence Surveillance Reconnaissance Targeting (CISRT)
E5	NON-CORE	Conduct Counter-Unmanned Systems (C-UxS) operations
E4	CORE	Configure Common Integrated Broadcast (CIB) radio receiving equipment
E4	CORE	Construct local emitter libraries
E5	CORE	Evaluate Electromagnetic Warfare (EW) Measures of Effectiveness (MOE)
E5	CORE	Evaluate mission threats
E4	CORE	Implement Rapid Evaluation Guidelines (REG)
E4	CORE	Maintain Electromagnetic Warfare (EW) status boards and logs
E7	CORE	Manage divisional equipment and system configurations
E6	CORE	Manage Electromagnetic Warfare (EW) system operations
E6	CORE	Manage Electromagnetic Warfare (EW) systems during casualty conditions
E4	CORE	Perform Electromagnetic Support (ES) operations

ELECTROMAGNETIC WARFARE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform tactical communications (e.g., brevity codes, fleet tactical signals, etc.)
E5	CORE	Recommend course corrections in support of tactical operations
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E4	CORE	Report systems equipment status
E6	CORE	Supervise construction of local emitter libraries
E6	CORE	Supervise divisional equipment and system configurations
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E5	CORE	Supervise tactical communications (e.g., voice, chat, etc.)
E4	CORE	Verify Emission Control (EMCON) conditions

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze broadcast data (e.g., national, Global Command and Control System Maritime (GCCS-M), Intelligence Broadcast System/Common Integrated Broadcast (IBS/CIB), etc.)
E4	CORE	Analyze historical Signals of Interest (SOI) data
E4	CORE	Analyze Signals of Interest (SOI)
E4	CORE	Brief cryptologic and intelligence products
E4	CORE	Calculate Radio Detection and Ranging (RADAR) parameters
E4	CORE	Compute Radio Detection and Ranging (RADAR) performance characteristics based on parameters
E4	CORE	Configure Signals Intelligence (SIGINT) and other non-communication systems
E4	CORE	Convert Radio Detection and Ranging (RADAR) parameters
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklists
E5	CORE	Coordinate reachback support
E4	CORE	Coordinate with respective consumer(s)
E4	CORE	Correlate national systems data to platform
E4	CORE	Crossfix Signals of Interest (SOI) intercepts
E4	CORE	Determine current tactical picture
E4	CORE	Determine modulation types (i.e., intrapulse, interpulse)
E4	CORE	Determine target source utilizing Unintentional Modulation on Pulse (UMOP)
E5	CORE	Disseminate Electronic Intelligence (ELINT) data and reports (e.g., Operational Electronic Intelligence (OpELINT), Technical Electronics Intelligence (TechELINT), etc.)
E4	CORE	Draft reports (i.e., UNIFORM, Electronic Intelligence Technical Reports (ELT), Tactical Reports (TACREP))
E4	CORE	Evaluate signal quality
E4	NON-CORE	Identify PROFORMA signals
E4	CORE	Identify Radio Detection and Ranging (RADAR) systems capabilities
E4	CORE	Implement Electronic Intelligence (ELINT) collection plans
E5	CORE	Input filter management plans

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Interpret message traffic data in support of operations
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Obtain Order of Battle (OOB)
E4	CORE	Perform Operational Electronic Intelligence (OpELINT) analysis (e.g., Intelligence Preparation (IPR), Maritime Domain Awareness (MDA), etc.)
E4	CORE	Provide source of overhead systems data (e.g., ephemeris data, collector diagraph, etc.)
E5	CORE	Report PROFORMA signals
E4	CORE	Research Intelligence Community (IC) databases
E6	NON-CORE	Review post mission processing for accuracy and follow-on tasking
E4	CORE	Search Electronic Intelligence (ELINT) databases in support of mission planning and execution
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E4	CORE	Transfer data between systems (e.g., Data Transfer Agent (DTA), Department of Defense (DoD) Secure Access File Exchange (SAFE), DoD Intelligence Information System (DODIIS) One-Way Transfer Tool (DOTS), etc.)
E5	CORE	Update National databases (i.e., provide UNIFORM reports and input to National Operational Electronic Intelligence (OPELENT) Integration Database (NIODB) via the Naval Information Warfighting Development Center (NIWDC) and Navy Information Operations Command (NIOC) Pacific or NIOC Norfolk)
E5	CORE	Validate Electronic Intelligence (ELINT) logs
E7	CORE	Validate reports (i.e., UNIFORM, Tactical Reports (TACREP))
E5	CORE	Verify collection, analysis, and reporting

INFORMATION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct all-source intelligence research
E4	CORE	Conduct Battle Damage Assessment (BDA)
E5	NON-CORE	Conduct non-standard collection operations/unconventional collection
E4	CORE	Configure software-based analysis tools
E5	NON-CORE	Construct target intelligence packages
E6	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets
E6	CORE	Coordinate Military Deception (MILDEC) plan support
E5	CORE	Coordinate target analysis
E4	CORE	Correlate Information Operation (IO) asset capabilities and limitations
E5	CORE	Develop intelligence products based on Pattern of Life (PoL)
E7	CORE	Develop joint, allied, and coalition Information Operations (IO) plans
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E7	CORE	Develop strike group Information Operations (IO) directives

INFORMATION OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Evaluate Information Operations (IO) Measures of Effectiveness (MOE)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E4	CORE	Implement Signals Intelligence (SIGINT) tasking
E7	NON-CORE	Manage Signals Intelligence (SIGINT) equipment resource allocation with joint forces and Intelligence Community (IC) partners
E6	CORE	Manage watch teams
E4	CORE	Perform all-source fusion analysis
E4	CORE	Perform geolocation analysis
E4	CORE	Perform Information Operations (IO) utilizing Tactical Data Processors (TDP)
E4	CORE	Perform Pattern of Life (PoL) analysis
E5	CORE	Prioritize mission threats
E7	CORE	Process fleet Information Operations (IO) requirements
E6	CORE	Provide Counter Intelligence Surveillance Reconnaissance Targeting (CISRT) solutions in support of operations
E6	NON-CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide process feedback to national systems managers
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E5	CORE	Provide target Positive Identification (PID) recommendations
E5	NON-CORE	Recommend collection assets and windows of opportunity
E7	CORE	Recommend Information Operations (IO)/Electromagnetic Warfare (EW) mission objectives
E5	CORE	Recommend Tactical Situations (TACSIT)
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze Unmanned Systems (UxS) communications signals
E6	NON-CORE	Develop detection range products for Naval Special Warfare (NSW) specific platforms
E6	NON-CORE	Identify Radio Frequency (RF) characteristics for Naval Special Warfare (NSW) specific equipment in theatre
E5	NON-CORE	Maintain mission logs
E4	NON-CORE	Perform end-of-mission pack and wrap
E5	NON-CORE	Perform tactical Airborne Precision Geolocation operations (APGL)/Unmanned Systems (UxS) payload operations
E5	NON-CORE	Perform tactical Precision Geo-location (PGL)
E5	NON-CORE	Provide target Combat Identification (CID) recommendations
E5	NON-CORE	Provide Time-Sensitive Target (TST) operations intelligence support
E7	NON-CORE	Request Electromagnetic Warfare (EW)/Signals Intelligence (SIGINT) supporting assets

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO) (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Review Electronic Support Measures (ESM) search plan
E6	NON-CORE	Supervise end-of-mission pack and wrap
E6	NON-CORE	Update Electronic Support Measures (ESM) search plan
E7	NON-CORE	Validate Electronic Support Measures (ESM) search plan

NON-MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E4	CORE	Analyze collection sources
E5	NON-CORE	Construct mission collection plans
E7	NON-CORE	Coordinate overwatch support
E5	NON-CORE	Determine collection gaps
E6	NON-CORE	Determine collection requirements
E5	NON-CORE	Develop targets in support of commander's intent
E7	NON-CORE	Direct Signals Intelligence (SIGINT) taskings
E5	NON-CORE	Disseminate time-sensitive reports
E4	NON-CORE	Draft time-sensitive reports
E5	CORE	Evaluate threat envelopes
E4	NON-CORE	Identify traffic source for targeting
E7	NON-CORE	Manage targeting cycles
E6	NON-CORE	Perform bulk data manipulation
E5	NON-CORE	Perform first phase initial Electronic Intelligence (ELINT) analysis and feedback
E7	NON-CORE	Request assets and resources to meet intelligence requirements
E5	NON-CORE	Update mission collection plans

PLANNING

Paygrade	Task Type	Task Statements
E5	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E6	CORE	Assess emergent Signals Intelligence (SIGINT) threats
E6	CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) exercises
E7	NON-CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) with joint/allied partners
E7	CORE	Coordinate Information Operations (IO) experimentation and advanced capabilities initiatives
E7	CORE	Coordinate Information Operations (IO) integration across all disciplines and warfare areas
E6	CORE	Coordinate joint fires tasking
E7	NON-CORE	Coordinate joint Signals Intelligence (SIGINT) collection plans
E5	NON-CORE	Coordinate target analysis with external units
E5	NON-CORE	Coordinate with customer entities for mission and training requirements (e.g., intelligence requirements, cryptologic carry-on program (CCOP) equipment, etc.)
E7	NON-CORE	Deconflict national target lists
E6	CORE	Develop Concept of Operations (CONOP)

PLANNING (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Develop Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E7	NON-CORE	Develop Electromagnetic Warfare (EW) tactics
E7	CORE	Develop joint Electromagnetic Warfare (EW) plans
E7	CORE	Develop multi-unit Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E7	CORE	Draft Electromagnetic Warfare (EW) operational messages (e.g., Electromagnetic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Draft Naval Messages (e.g., Electromagnetic Attack (EA) request, Daily Intentions Messages (DIMS), etc.)
E4	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)
E7	CORE	Manage unit priority target lists
E7	CORE	Request supporting Electromagnetic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Audit Electromagnetic Warfare (EW) system password accounts
E6	CORE	Enforce naval and National security directives and instructions (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E4	CORE	Implement naval cryptologic and national security requirements (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Sensitive Compartmented Information (SCI), etc.)
E4	CORE	Inventory controlled equipment
E4	CORE	Maintain Electromagnetic Warfare (EW) systems password accounts
E5	CORE	Manage controlled equipment
E5	CORE	Sanitize data for dissemination
E6	CORE	Supervise Emergency Action Plan (EAP) operations
E5	CORE	Supervise watch teams
E4	CORE	Support Emergency Action Plans (EAP)

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Configure Electromagnetic Warfare (EW) systems for training and testing evolutions
E7	CORE	Coordinate Electromagnetic Warfare (EW) systems testing evolutions
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)

TRAINING AND CERTIFICATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Develop training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Supervise Electromagnetic Warfare (EW) systems testing evolutions
E7	CORE	Verify Integrated and advanced phase training requirements (e.g., Naval Mission Essential Task List (NMETL), Naval Task (NTA), Advanced Pre-Deployment Training (APDT), etc.)

Job Title **Job Code**

Tactical Information Operations Specialist 002758

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Protective Service	TBD	TACTICAL INFO OPERATIONS SPEC	TACINF OP SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CTT	NEC CXXX and 7XXX series and other NECs assigned

Job Description

Tactical Information Operations Specialists operate equipment to provide a wide variety of tactical information operations support including tactical Electromagnetic Warfare (EW), Operational Electronic Intelligence (OpELINT), and Computer Network Operations (CNO); support direct action/special reconnaissance missions in contested environments against near-peer and non-state actors; perform preventive and corrective maintenance on Naval Special Warfare (NSW) systems used for analysis, monitoring, tracking, recognition, identification, targeting, and electronic attack; coordinate repair of Electromagnetic Warfare (EW systems; fabricate collection equipment as needed to support mission and collection requirements; conduct unattended/ unconventional collection efforts in support of Special Operations Forces (SOF) and support ground and airborne Electromagnetic Warfare (EW) mission and collections requirements.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Intercept Operators (Code and Non-Code)	123100	Intelligence Analysts	33-3021.06	Protective Service

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Management of Material Resources	*Written Comprehension*
Coordination	*Inductive Reasoning*
Judgment and Decision Making	*Written Expression*
Operation and Control	*Information Ordering*
Complex Problem Solving	*Control Precision*
Quality Control Analysis	*Oral Expression*
Reading Comprehension	*Problem Sensitivity*
Systems Analysis	*Perceptual Speed*
Systems Evaluation	*Time Sharing*

COMPUTER NETWORK OPERATIONS (CNO)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze digital network communications
E5	NON-CORE	Analyze remote system environments
E5	NON-CORE	Analyze target digital technologies and network systems
E5	NON-CORE	Apply cyber collection principles to enable intelligence gathering operations
E5	NON-CORE	Assess physical characteristics of the target environment
E5	NON-CORE	Assess target network vulnerabilities
E6	NON-CORE	Collaborate with stakeholders for cyber operations and tools
E5	NON-CORE	Construct target environments for training, testing, and assessing
E5	NON-CORE	Develop network maps
E5	NON-CORE	Integrate remote systems into computer network operations.
E5	NON-CORE	Perform basic triage and media forensic analysis
E5	NON-CORE	Perform packet and protocol analysis
E5	NON-CORE	Perform packet capture (PCAP) analysis
E5	NON-CORE	Validate target network capabilities and vulnerabilities

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Align Electromagnetic Warfare (EW) systems
E4	CORE	Analyze blueprints and platform/unit drawings
E4	CORE	Analyze equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E7	CORE	Approve equipment installations, testing, and alterations
E4	CORE	Collect equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E5	CORE	Conduct Radio Detection and Ranging (RADAR) Cross Section (RCS) testing
E4	CORE	Configure display systems
E4	CORE	Configure internal communications networks
E4	CORE	Configure network systems
E4	CORE	Configure power conversion and distribution systems
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E6	NON-CORE	Coordinate Electromagnetic Warfare (EW) equipment installations
E6	NON-CORE	Coordinate Electromagnetic Warfare (EW) equipment removals
E6	CORE	Coordinate Electromagnetic Warfare (EW) systems software, firmware installations and updates
E7	CORE	Coordinate Electromagnetic Warfare (EW) test range runs
E4	CORE	Document equipment and system status data (e.g., Regional Maintenance Center (RMC), Destroyer Squadron (DESRON), Amphibious Squadron (PHIBRON), etc.)
E6	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure from Specifications (DFS), etc.)
E4	CORE	Inspect work areas, tools, and equipment
E5	CORE	Install equipment and alterations
E6	CORE	Interpret test and evaluation range results (e.g., ULM-4, Passive Countermeasures System (PCMS), etc.)
E4	CORE	Inventory Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Maintain local emitter libraries
E4	CORE	Maintain network systems
E5	CORE	Manage system software updates
E4	CORE	Perform Electromagnetic Warfare (EW) systems software, firmware installations and updates
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment shutdown procedures
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment startup procedures
E4	CORE	Perform equipment validations

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Tactical Data Processors (TDP) startup procedures
E4	CORE	Repair Alternating Current (AC) circuits
E4	CORE	Repair computer and peripheral systems
E4	CORE	Repair Direct Current (DC) circuits
E4	CORE	Repair display systems
E4	CORE	Repair Electromagnetic Warfare (EW) systems
E5	NON-CORE	Repair interconnecting cables and connectors
E4	NON-CORE	Repair network systems
E4	CORE	Repair power conversion and distribution systems
E4	CORE	Replace computer and peripheral systems
E4	CORE	Replace digital circuits
E4	CORE	Replace power supplies
E4	CORE	Replace Radio Frequency (RF) components
E5	CORE	Supervise Electromagnetic Warfare (EW) systems software, firmware installations, and updates
E5	CORE	Supervise equipment installations, testing, and alterations
E6	CORE	Supervise System Operation Verification Testing (SOVT)
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center maintenance operations
E4	CORE	Test Alternating Current (AC) circuits
E4	CORE	Test computer and peripheral systems
E4	CORE	Test data links
E4	CORE	Test digital circuits
E4	CORE	Test Direct Current (DC) circuits
E4	CORE	Test display systems
E4	CORE	Test Electromagnetic Warfare (EW) systems
E4	CORE	Test interconnecting cables and connectors
E4	CORE	Test internal communications networks
E4	CORE	Test network systems
E4	CORE	Test power conversion and distribution systems
E4	CORE	Test power supplies
E4	CORE	Test Radio Frequency (RF) components
E4	CORE	Troubleshoot Alternating Current (AC) circuits
E4	CORE	Troubleshoot computer and peripheral systems
E4	CORE	Troubleshoot digital circuits
E4	CORE	Troubleshoot Direct Current (DC) circuits

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot display systems
E4	CORE	Troubleshoot Electromagnetic Warfare (EW) systems
E4	CORE	Troubleshoot interconnecting cables and connectors
E4	CORE	Troubleshoot internal communications networks
E4	CORE	Troubleshoot network systems
E4	CORE	Troubleshoot power conversion and distribution systems
E4	CORE	Troubleshoot power supplies
E4	CORE	Troubleshoot Radio Frequency (RF) components
E6	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E7	CORE	Verify System Operability Verification Test (SOVT)

ELECTROMAGNETIC SPECTRUM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure Own-Force Monitoring (OFM) equipment
E6	CORE	Construct Electromagnetic (EM) Battlespace plans (e.g., Real-Time Spectrum Operations (RTSO), Emission Control (EMCON), etc.)
E5	CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Identify Electromagnetic Interference (EMI)
E7	CORE	Integrate into Joint Restricted Frequency List (JRFL) process
E7	CORE	Manage spectrum plans
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Monitor own force emissions
E5	CORE	Obtain space weather reports for Electromagnetic Spectrum Operations (EMSO)
E4	CORE	Perform Own-Force Monitoring (OFM) equipment shutdown procedures
E4	CORE	Perform Own-Force Monitoring (OFM) equipment startup procedures
E5	CORE	Perform unit level Electromagnetic Spectrum Operations (EMSO)
E5	CORE	Predict friendly and/or adversary equipment performance characteristics based on propagation modeling utilizing parametric and atmospheric data (e.g., BUILDER, Realtime Spectrum Operations (RTSO), etc.)
E5	CORE	Report Electromagnetic Interference (EMI)
E5	CORE	Report jamming sources
E5	CORE	Research jamming sources

ELECTROMAGNETIC WARFARE OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Calculate detection ranges for Naval Special Warfare (NSW) specific platforms
E5	NON-CORE	Calculate operating ranges for Unmanned Systems (UxS) detachments
E4	CORE	Calculate threat detection envelopes
E5	CORE	Conduct Counter-Intelligence Surveillance Reconnaissance Targeting (CISRT)

ELECTROMAGNETIC WARFARE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct Counter-Unmanned Systems (C-UxS) operations
E4	CORE	Configure Common Integrated Broadcast (CIB) radio receiving equipment
E4	CORE	Configure Electromagnetic Warfare (EW) systems
E4	CORE	Construct local emitter libraries
E4	CORE	Coordinate Emission Control (EMCON) conditions
E5	CORE	Evaluate Electromagnetic Warfare (EW) Measures of Effectiveness (MOE)
E5	CORE	Evaluate mission threats
E4	CORE	Implement Rapid Evaluation Guidelines (REG)
E6	CORE	Lead Electromagnetic Warfare (EW) operations (e.g., Emission Control (EMCON), Electromagnetic Warfare Support (ES), countermeasures deployment, etc.)
E4	CORE	Maintain Electromagnetic Warfare (EW) status boards and logs
E7	CORE	Manage divisional equipment and system configurations
E6	CORE	Manage Electromagnetic Warfare (EW) system operations
E6	CORE	Manage Electromagnetic Warfare (EW) systems during casualty conditions
E4	CORE	Perform Electromagnetic Attack (EA)
E4	CORE	Perform Electromagnetic Support (ES) operations
E4	CORE	Perform tactical communications (e.g., brevity codes, fleet tactical signals, etc.)
E5	CORE	Recommend course corrections in support of tactical operations
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E4	CORE	Report systems equipment status
E6	CORE	Supervise construction of local emitter libraries
E6	CORE	Supervise divisional equipment and system configurations
E5	CORE	Supervise Electromagnetic Attack (EA) employment
E5	CORE	Supervise Emission Control (EMCON) conditions
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E5	CORE	Supervise tactical communications (e.g., voice, chat, etc.)
E4	CORE	Verify Emission Control (EMCON) conditions

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze broadcast data (e.g., national, Global Command and Control System Maritime (GCCS-M), Intelligence Broadcast System/Common Integrated Broadcast (IBS/CIB), etc.)
E4	CORE	Analyze historical Signals of Interest (SOI) data
E4	CORE	Analyze Signals of Interest (SOI)
E5	NON-CORE	Assemble technical kits
E4	CORE	Brief cryptologic and intelligence products
E4	CORE	Calculate Radio Detection and Ranging (RADAR) parameters
E4	CORE	Compute Radio Detection and Ranging (RADAR) performance characteristics based on parameters
E4	CORE	Configure Signals Intelligence (SIGINT) and other non-communication systems

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Convert Radio Detection and Ranging (RADAR) parameters
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklists
E5	CORE	Coordinate reachback support
E4	CORE	Coordinate with respective consumer(s)
E4	CORE	Correlate national systems data to platform
E4	CORE	Crossfix Signals of Interest (SOI) intercepts
E4	CORE	Determine current tactical picture
E4	CORE	Determine modulation types (i.e., intrapulse, interpulse)
E4	CORE	Determine target source utilizing Unintentional Modulation on Pulse (UMOP)
E5	CORE	Disseminate Electronic Intelligence (ELINT) data and reports (e.g., Operational Electronic Intelligence (OpELINT), Technical Electronics Intelligence (TechELINT), etc.)
E4	CORE	Draft reports (i.e., UNIFORM, Electronic Intelligence Technical Reports (ELT), Tactical Reports (TACREP))
E4	CORE	Evaluate signal quality
E4	NON-CORE	Identify PROFORMA signals
E4	CORE	Identify Radio Detection and Ranging (RADAR) systems capabilities
E4	CORE	Implement Electronic Intelligence (ELINT) collection plans
E5	CORE	Input filter management plans
E4	CORE	Interpret message traffic data in support of operations
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Obtain Order of Battle (OOB)
E4	NON-CORE	Perform frequency domain analysis
E4	CORE	Perform Operational Electronic Intelligence (OpELINT) analysis (e.g., Intelligence Preparation (IPR), Maritime Domain Awareness (MDA), etc.)
E4	CORE	Provide source of overhead systems data (e.g., ephemeris data, collector diagraph, etc.)
E5	CORE	Report PROFORMA signals
E4	CORE	Research Intelligence Community (IC) databases
E6	NON-CORE	Review post mission processing for accuracy and follow-on tasking
E4	CORE	Search Electronic Intelligence (ELINT) databases in support of mission planning and execution
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E4	CORE	Transfer data between systems (e.g., Data Transfer Agent (DTA), Department of Defense (DoD) Secure Access File Exchange (SAFE), DoD Intelligence Information System (DODIIS) One-Way Transfer Tool (DOTS), etc.)

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Update National databases (i.e., provide UNIFORM reports and input to National Operational Electronic Intelligence (OPELENT) Integration Database (NIODB) via the Naval Information Warfighting Development Center (NIWDC) and Navy Information Operations Command (NIOC) Pacific or NIOC Norfolk)
E5	CORE	Validate Electronic Intelligence (ELINT) logs
E7	CORE	Validate reports (i.e., UNIFORM, Tactical Reports (TACREP))
E5	CORE	Verify collection, analysis, and reporting

INFORMATION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct all-source intelligence research
E4	CORE	Conduct Battle Damage Assessment (BDA)
E5	NON-CORE	Conduct non-standard collection operations/unconventional collection
E4	CORE	Configure software-based analysis tools
E5	NON-CORE	Construct target intelligence packages
E6	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets
E6	CORE	Coordinate Military Deception (MILDEC) plan support
E7	CORE	Coordinate multi-unit employment of Electromagnetic Attacks (EA)
E5	CORE	Coordinate target analysis
E4	CORE	Correlate Information Operation (IO) asset capabilities and limitations
E5	CORE	Develop intelligence products based on Pattern of Life (PoL)
E7	CORE	Develop joint, allied, and coalition Information Operations (IO) plans
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E4	CORE	Disseminate Military Information Support Operations (MISO) material
E5	NON-CORE	Draft Tactical Intelligence Reports (Tactical Telegram (T-GRAM))
E6	CORE	Evaluate Information Operations (IO) Measures of Effectiveness (MOE)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E4	CORE	Implement Pre-Planned Responses (PPR)
E4	CORE	Implement Signals Intelligence (SIGINT) tasking
E6	NON-CORE	Manage database auditing
E7	CORE	Manage Military Deception (MILDEC) plans
E7	NON-CORE	Manage Signals Intelligence (SIGINT) equipment resource allocation with joint forces and Intelligence Community (IC) partners
E6	CORE	Manage watch teams
E4	CORE	Perform all-source fusion analysis
E4	CORE	Perform geolocation analysis
E4	CORE	Perform Information Operations (IO) utilizing Tactical Data Processors (TDP)
E4	CORE	Perform Military Deception (MILDEC) operations
E4	CORE	Perform Pattern of Life (PoL) analysis
E5	CORE	Prioritize mission threats

INFORMATION OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Process fleet Information Operations (IO) requirements
E6	CORE	Provide Counterintelligence Surveillance Reconnaissance Targeting (CISRT) solutions in support of operations
E6	NON-CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide process feedback to national systems managers
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E5	CORE	Provide target Positive Identification (PID) recommendations
E5	NON-CORE	Recommend collection assets and windows of opportunity
E7	CORE	Recommend Information Operations (IO)/Electromagnetic Warfare (EW) mission objectives
E5	CORE	Recommend Tactical Situations (TACSIT)
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze Unmanned Systems (UxS) communications signals
E5	NON-CORE	Conduct ground terminal guidance
E5	NON-CORE	Conduct non-traditional Signals Intelligence (SIGINT) targeting
E5	NON-CORE	Conduct Sensitive Site Exploitation (SSE) operations
E5	NON-CORE	Conduct tactical wireless communication collection
E5	NON-CORE	Conduct tactical wireless communication surveys
E5	NON-CORE	Conduct Unattended Ground Sensor (UGS) emplacement
E5	NON-CORE	Configure ground and airborne active targeting equipment
E5	NON-CORE	Configure ground and airborne Signals Intelligence (SIGINT) collection equipment
E6	NON-CORE	Deconflict Signals Intelligence (SIGINT) operations
E5	NON-CORE	Develop automation processes
E6	NON-CORE	Develop detection range products for Naval Special Warfare (NSW) specific platforms
E6	NON-CORE	Develop operating range products for Unmanned Systems (UxS) detachments
E6	NON-CORE	Draft Request to Transmit (RTT)
E5	NON-CORE	Establish Command and Control (C2) link communications for Unmanned Systems (UxS) payloads
E5	NON-CORE	Fabricate collection equipment (i.e., Commercial Off the Shelf (COTS)/Government Off The Shelf (GOTS))
E6	NON-CORE	Identify Radio Frequency (RF) characteristics for Naval Special Warfare (NSW) specific equipment in theatre
E5	NON-CORE	Initialize ground and airborne active targeting equipment
E5	NON-CORE	Initialize ground and airborne Signals Intelligence (SIGINT) collection equipment
E5	NON-CORE	Integrate remote Electromagnetic Warfare (EW) systems
E5	NON-CORE	Maintain mission logs
E5	NON-CORE	Manage Command and Control (C2) equipment (e.g., Special Operations Forces (SOF) Deployable Node (SDN), etc.)

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO) (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Nominate unique identifiers
E5	NON-CORE	Perform asset validation
E5	NON-CORE	Perform counter-surveillance
E5	NON-CORE	Perform electronic counter-surveillance
E4	NON-CORE	Perform end-of-mission pack and wrap
E5	NON-CORE	Perform ground and airborne active targeting equipment shutdown procedures
E5	NON-CORE	Perform ground and airborne Signals Intelligence (SIGINT) collection equipment shutdown procedures
E5	NON-CORE	Perform Sensitive Site Exploitation (SSE) analysis
E5	NON-CORE	Perform signal encryption analysis
E5	NON-CORE	Perform signal internal decryption
E5	NON-CORE	Perform tactical Airborne Precision Geolocation operations (APGL)/Unmanned Systems (UxS) payload operations
E5	NON-CORE	Perform tactical Precision Geo-location (PGL)
E5	NON-CORE	Perform untethered collections
E5	NON-CORE	Perform untethered signals analysis
E5	NON-CORE	Provide target Combat Identification (CID) recommendations
E5	NON-CORE	Provide Time-Sensitive Target (TST) operations intelligence support
E7	NON-CORE	Request Electromagnetic warfare (EW)/Signals Intelligence (SIGINT) supporting assets
E7	NON-CORE	Submit Request to Transmit (RTT)
E6	NON-CORE	Supervise end-of-mission pack and wrap
E6	NON-CORE	Validate technical kits

NON-MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E4	CORE	Analyze collection sources
E5	NON-CORE	Construct mission collection plans
E7	NON-CORE	Coordinate overwatch support
E5	NON-CORE	Determine collection gaps
E6	NON-CORE	Determine collection requirements
E5	NON-CORE	Develop targets in support of commander's intent
E7	NON-CORE	Direct Signals Intelligence (SIGINT) taskings
E5	NON-CORE	Disseminate time-sensitive reports
E4	NON-CORE	Draft time-sensitive reports
E5	CORE	Evaluate threat envelopes
E4	NON-CORE	Identify traffic source for targeting
E7	NON-CORE	Manage accesses on a Mission Correlation Table (MCT)
E6	NON-CORE	Manage Tactical Intelligence Reports (i.e., Tactical Telegram (T-GRAM))
E7	NON-CORE	Manage targeting cycles
E6	NON-CORE	Perform bulk data manipulation

NON-MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO) (CONT'D)

Paygrade	Task Type	Task Statements
E7	NON-CORE	Request assets and resources to meet intelligence requirements
E5	NON-CORE	Update mission collection plans

PLANNING

Paygrade	Task Type	Task Statements
E5	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E6	CORE	Assess emergent Signals Intelligence (SIGINT) threats
E6	CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) exercises
E7	NON-CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) with joint/allied partners
E7	CORE	Coordinate Information Operations (IO) experimentation and advanced capabilities initiatives
E7	CORE	Coordinate Information Operations (IO) integration across all disciplines and warfare areas
E6	CORE	Coordinate joint fires tasking
E7	NON-CORE	Coordinate joint Signals Intelligence (SIGINT) collection plans
E5	NON-CORE	Coordinate target analysis with external units
E5	NON-CORE	Coordinate with customer entities for mission and training requirements (e.g., intelligence requirements, cryptologic carry-on program (CCOP) equipment, etc.)
E7	NON-CORE	Deconflict national target lists
E7	CORE	Develop communications Electromagnetic Attack (EA) plans
E6	CORE	Develop Concept of Operations (CONOP)
E7	CORE	Develop Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E7	NON-CORE	Develop Electromagnetic Warfare (EW) tactics
E7	CORE	Develop joint Electromagnetic Warfare (EW) plans
E7	CORE	Develop multi-unit Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E6	CORE	Develop Real-Time Spectrum Operations (RTSO) plans
E7	CORE	Develop Signals Intelligence (SIGINT)/Electromagnetic Warfare (EW) plans
E7	CORE	Develop Signals Intelligence (SIGINT)/Electromagnetic Warfare (EW) tactics
E7	NON-CORE	Develop Special Operations Forces (SOF) Signals Intelligence (SIGINT) collection plans
E7	NON-CORE	Develop Special Operations Forces (SOF) Signals Intelligence (SIGINT) Tactics, Techniques, and Procedures (TTP)
E6	CORE	Draft Electromagnetic Warfare (EW) doctrines and bills (e.g., Anti-ship Missile Defense (ASMD), Passive Countermeasures System (PCMS), Emissions Control (EMCON), etc.)
E7	CORE	Draft Electromagnetic Warfare (EW) operational messages (e.g., Electromagnetic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Draft Naval Messages (e.g., Electromagnetic Attack (EA) request, Daily Intentions Messages (DIMS), etc.)

PLANNING (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Enforce higher authority directives (e.g., Operational Tasking (OPTASK) Operational Order (OPORD) Operational Plan (OPLAN), etc.)
E4	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)
E7	CORE	Manage unit priority target lists
E7	CORE	Request supporting Electromagnetic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E7	CORE	Validate Real-Time Spectrum Operations (RTSO) plans

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Audit Electromagnetic Warfare (EW) system password accounts
E6	NON-CORE	Draft Temporary Sensitive Compartmented Information Facility (T-SCIF) accreditation documentation
E6	CORE	Enforce naval and National security directives and instructions (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E4	CORE	Implement naval cryptologic and national security requirements (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Sensitive Compartmented Information (SCI), etc.)
E4	CORE	Inventory controlled equipment
E4	CORE	Inventory Electromagnetic Warfare (EW) system software and firmware
E4	CORE	Maintain Electromagnetic Warfare (EW) systems password accounts
E7	NON-CORE	Manage Authority to Operate (ATO)
E5	CORE	Manage controlled equipment
E7	NON-CORE	Manage Temporary Sensitive Compartmented Information Facility (T-SCIF) accreditation
E5	CORE	Sanitize data for dissemination
E6	CORE	Supervise Emergency Action Plan (EAP) operations
E5	CORE	Supervise watch teams
E4	CORE	Support Emergency Action Plans (EAP)

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Configure Electromagnetic Warfare (EW) systems for training and testing evolutions
E7	CORE	Coordinate Electromagnetic Warfare (EW) systems testing evolutions
E6	CORE	Coordinate equipment certifications and recertifications
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)

TRAINING AND CERTIFICATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Develop training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E7	CORE	Manage Information Operations (IO) training requirements
E5	CORE	Supervise Electromagnetic Warfare (EW) systems testing evolutions
E6	CORE	Validate training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E7	CORE	Verify Integrated and advanced phase training requirements (e.g., Naval Mission Essential Task List (NMETL), Naval Task (NTA), Advanced Pre-Deployment Training (APDT), etc.)

CHAPTER 21

DAMAGE CONTROLMAN
(DC)

NAVPERS 18068F-21F
Change 102

Updated: April 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

DAMAGE CONTROLMAN (DC)

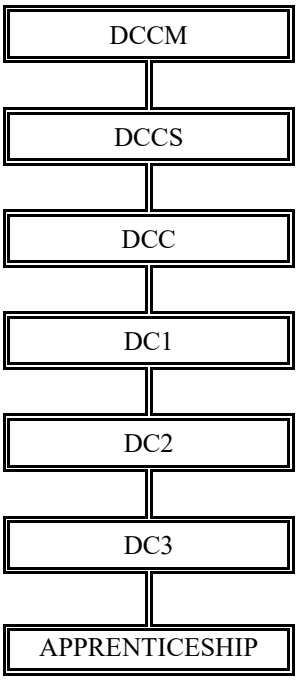
SCOPE OF RATING

Damage Controlmen (DC) perform organizational and intermediate level maintenance and repair damage control equipment and systems; plan, supervise, and perform tasks necessary for damage control, ship stability, preservation of watertight integrity, firefighting, and Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) defense; instruct and coordinate damage control parties; instruct personnel in the techniques of damage control and CBRNE defense; and prepare records and reports.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068E) as Chapter 21.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Ship Survivability Systems Maintainer 003002

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Protective Service	TBD	SHIP SURVIVAL SYS MAINTAINER	SHIP SURV MNT

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	DC	NEC 7XXX and UXXX series and other NECs as assigned

Job Description

Ship Survivability Systems Maintainers do the work necessary for damage control, ship stability, firefighting, fire prevention, and Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) defense; instruct personnel in the methods of damage control and CBRNE defense and repair damage control equipment and systems; operate, repair, and maintain installed firefighting systems and equipment, damage control equipment, and CBRNE defense equipment; train shipboard personnel in the operation, maintenance, and repair of damage control systems and equipment, life saving devices, and various firefighting methods; perform emergency repairs to decks, structures, pipes, and hulls by using emergency patching, plugging, and shoring; maintain and repair watertight closures and assorted fittings; and act as the duty Fire Marshal and firefighting leaders and train ship's company in chemical, biological and radiological defense. Maintainers work under the supervision of a mentor while learning a trade or skill.

DoD Relationship

Group Title	*DoD Code*
Other Craftsworkers N.E.C., General	179000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Firefighting and Prevention Workers	33-1021.00	Protective Service

Skills	Abilities
Equipment Maintenance	*Written Comprehension*
Systems Evaluation	*Problem Sensitivity*
Complex Problem Solving	*Manual Dexterity*
Critical Thinking	*Inductive Reasoning*
Judgment and Decision Making	*Information Ordering*
Repairing	*Perceptual Speed*
Operation Monitoring	*Deductive Reasoning*
Operation and Control	*Reaction Time*
Monitoring	*Selective Attention*
Equipment Selection	*Multi-limb Coordination*

CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR EXPLOSIVE (CBRNE) DEFENSE

Paygrade	Task Type	Task Statements
E5	CORE	Activate chemical detection systems (i.e., Improve Point Detection System Lifecycle-Replacement (IPDS-LR))
E4	CORE	Collect biological samples
E5	CORE	Conduct preventive maintenance on chemical detection systems (i.e., Improve Point Detection System Lifecycle-Replacement (IPDS-LR))
E5	CORE	Conduct preventive maintenance on Joint Biological Point Detection System (JBPDS)
E4	CORE	Conduct shipboard decontamination
E4	CORE	Detect Alpha, Beta, Gamma radiation
E4	CORE	Detect chemical agents
E5	CORE	Establish Contamination Control Areas (CCA)
E5	CORE	Establish Decontamination (DECON) stations
E4	CORE	Inspect chemical protective equipment
E4	CORE	Inventory consumable chemical and biological items (e.g., Biological Response Kit (BRK), Hand Held Assembly (HHA), Decontamination Station Equipment (DSE), etc.)

CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR EXPLOSIVE (CBRNE) DEFENSE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Issue chemical protection equipment
E4	CORE	Monitor installed chemical and biological systems for air contamination
E4	CORE	Perform preventive maintenance on gas masks
E4	CORE	Perform preventive maintenance on radiological detection equipment
E4	CORE	Repair Decontamination (DECON) showers
E4	CORE	Replace Joint Biological Point Detection System (JBPDS) system components
E4	CORE	Set Mission Oriented Protective Posture (MOPP) levels
E5	CORE	Supervise Mission Oriented Protective Posture (MOPP) settings
E4	CORE	Test Decontamination (DECON) showers
E5	CORE	Troubleshoot chemical detection systems (i.e., Improve Point Detection System Lifecycle-Replacement (IPDS-LR))
E5	CORE	Troubleshoot Joint Biological Point Detection System (JBPDS)

DAMAGE CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Activate Counter Measure Wash Down (CMWD) zones
E4	CORE	Activate ventilation systems remotely or locally
E4	CORE	Actuate fire protection systems remotely or locally (e.g., Halon, Heptafluoropropane, Aqueous Film Forming Foam (AFFF), water mist, etc.)
E4	CORE	Actuate fire pumps remotely or locally
E4	CORE	Actuate fire main valves remotely or locally
E4	CORE	Charge Self-Contained Breathing Apparatus (SCBA) bottles using Breathing Air Charging Stations (BACS)/Emergency Breathing Air Compressors (EBAC)
E5	CORE	Coordinate casualty scene response (e.g., fire, flooding, toxic gas, etc.)
E5	NON-CORE	Coordinate casualty scene response for aviation firefighting
E4	CORE	Dewater spaces using eductors
E4	CORE	Dewater spaces using portable pumps
E4	CORE	Enforce fire prevention and fire safety standards
E4	CORE	Inspect Damage Control (DC) communication systems
E4	CORE	Inspect tanks and voids for battle damage
E4	CORE	Install emergency pipe patches
E4	CORE	Install hull patches
E4	CORE	Install shoring
E5	CORE	Maintain Collective Protective System (CPS) pressure zones
E4	CORE	Monitor Supplied-Air Respirator/Self-Contained Breathing Apparatus (SAR/SCBA) pressure gauges
E4	CORE	Perform emergency access actions
E4	CORE	Perform list control operations
E4	CORE	Supervise casualty response teams (e.g., fire, flooding, toxic gas, etc.)

DAMAGE CONTROL (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Take soundings (e.g., compartments, tanks, voids, etc.)
E5	CORE	Test atmosphere for hazardous materials

EQUIPMENT MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Activate Collective Protective System (CPS) zones
E5	CORE	Conduct air quality tests
E4	CORE	Conduct preventive maintenance on Breathing Air Charging Stations (BACS)/ Emergency Breathing Air Compressors (EBAC)
E4	CORE	Inventory Damage Control Repair Station (DCRS) equipment
E4	CORE	Perform preventive maintenance on fall protection equipment (e.g., Ladder Safety System (LSS), Firefighting Extraction System (FES), Rescue Davit System (RDS), etc.)
E4	CORE	Perform preventive maintenance on Aqueous Film Forming Foam (AFFF) systems
E4	CORE	Perform preventive maintenance on balance joiner doors
E4	CORE	Perform preventive maintenance on ballast control systems
E4	CORE	Perform preventive maintenance on Collective Protective Systems (CPS)
E4	CORE	Perform preventive maintenance on Damage Control (DC) firefighting helmets
E4	CORE	Perform preventive maintenance on Damage Control Repair Station (DCRS) equipment
E4	CORE	Perform preventive maintenance on electrical submersible pumps
E4	CORE	Perform preventive maintenance on emergency access equipment (i.e., Portable Exothermic Cutting Units (PECU) and Portable Electric Access and Rescue System (PEARS))
E4	CORE	Perform preventive maintenance on fire main systems
E4	CORE	Perform preventive maintenance on freshwater firefighting systems
E5	CORE	Perform preventive maintenance on gas-free engineering test equipment
E4	CORE	Perform preventive maintenance on halon/Heptafluoropropane systems
E4	CORE	Perform preventive maintenance on hydraulic valve control stations (e.g., Floodable Void Hydraulic Control (FVHC) stations, Hydraulic Valve Control Systems (HVCS), Miscellaneous Valve Hydraulic Control Station (MVHC), etc.)
E5	CORE	Perform preventive maintenance on installed Carbon Dioxide (CO2) systems
E4	CORE	Perform preventive maintenance on installed eductor systems
E4	CORE	Perform preventive maintenance on list control systems
E4	CORE	Perform preventive maintenance on portable desmoking equipment
E4	CORE	Perform preventive maintenance on portable eductors
E4	CORE	Perform preventive maintenance on portable emergency pump (i.e., P-100)
E4	CORE	Perform preventive maintenance on portable smoke generators
E4	CORE	Perform preventive maintenance on Self-Contained Breathing Apparatus (SCBA)
E4	CORE	Perform preventive maintenance on sprinkler systems

EQUIPMENT MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventive maintenance on Supplied-Air Respirator/Self-Contained Breathing Apparatus (SAR/SCBA)
E4	CORE	Perform preventive maintenance on Thermal Imaging Cameras (TIC)
E4	CORE	Perform preventive maintenance on water mist systems
E4	CORE	Perform preventive maintenance on water wash down systems
E5	CORE	Repair Aqueous Film Forming Foam (AFFF) systems
E4	CORE	Repair balance joiner door components
E5	CORE	Repair ballast control systems
E5	CORE	Repair Breathing Air Charging Stations (BACS)/Emergency Breathing Air Compressors (EBAC)
E5	CORE	Repair Collective Protective Systems (CPS)
E4	CORE	Repair emergency access equipment (i.e., Portable Exothermic Cutting Units (PECU), Portable Electric Access and Rescue System (PEARS))
E4	CORE	Repair fire main systems
E4	CORE	Repair freshwater firefighting systems
E5	CORE	Repair gas-free engineering test equipment
E4	CORE	Repair halon/Heptafluoropropane systems
E4	CORE	Repair hydraulic valve control stations (e.g., Floodable Void Hydraulic Control (FVHC) stations, Hydraulic Valve Control Systems (HVCS), Miscellaneous Valve Hydraulic Control Station (MVHC), etc.)
E5	CORE	Repair installed Carbon Dioxide (CO2) systems
E4	CORE	Repair installed eductor systems
E5	CORE	Repair list control systems
E4	CORE	Repair portable emergency pump (i.e., P-100)
E4	CORE	Repair portable smoke generators
E4	CORE	Repair sprinkler systems
E5	CORE	Repair water mist systems
E4	CORE	Repair water wash down systems
E5	CORE	Review Damage Control Repair Station Allowance Equipage List (AEL)
E5	NON-CORE	Supervise preventive maintenance on air/water tight closures (e.g., ballistic doors, hatches, scuttles, etc.)
E5	NON-CORE	Supervise preventive maintenance on battle lanterns
E5	NON-CORE	Supervise preventive maintenance on Emergency Escape Breathing Devices (EEBD)
E5	NON-CORE	Supervise preventive maintenance on fire stations
E5	NON-CORE	Supervise preventive maintenance on ladder components
E5	NON-CORE	Supervise preventive maintenance on overboard discharge connections
E5	NON-CORE	Supervise preventive maintenance on portable Aqueous Film Forming Foam (AFFF) extinguishers
E5	NON-CORE	Supervise preventive maintenance on portable Carbon Dioxide (CO2) fire extinguishers

EQUIPMENT MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Supervise preventive maintenance on Potassium Bicarbonate (PKP) bottles
E5	NON-CORE	Supervise repairs of air/water tight closures (e.g., ballistic doors, hatches, scuttles, etc.)
E5	NON-CORE	Supervise repairs of battle lanterns
E5	NON-CORE	Supervise repairs of fire stations
E5	NON-CORE	Supervise repairs of overboard discharge connections
E5	NON-CORE	Supervise repairs on ladder components
E5	NON-CORE	Supervise troubleshooting of air/water tight closures (e.g., ballistic doors, hatches, scuttles, etc.)
E5	NON-CORE	Supervise troubleshooting of battle lanterns
E5	CORE	Troubleshoot Aqueous Film Forming Foam (AFFF) systems
E4	CORE	Troubleshoot balance joiner doors
E5	CORE	Troubleshoot ballast control systems
E4	CORE	Troubleshoot Breathing Air Charging Stations (BACS)/Emergency Breathing Air Compressors (EBAC)
E5	CORE	Troubleshoot Collective Protective Systems (CPS)
E4	CORE	Troubleshoot emergency access equipment (i.e., Portable Exothermic Cutting Units (PECU), Portable Electric Access and Rescue System (PEARS))
E4	CORE	Troubleshoot fire main systems
E4	CORE	Troubleshoot freshwater firefighting systems
E5	CORE	Troubleshoot gas-free engineering test equipment
E4	CORE	Troubleshoot halon/Heptafluoropropane systems
E4	CORE	Troubleshoot hydraulic valve control stations (e.g., Floodable Void Hydraulic Control (FVHC) stations, Hydraulic Valve Control Systems (HVCS), Miscellaneous Valve Hydraulic Control Station (MVHC), etc.)
E5	CORE	Troubleshoot installed Carbon Dioxide (CO2) systems
E4	CORE	Troubleshoot installed eductor systems
E4	CORE	Troubleshoot list control systems
E4	CORE	Troubleshoot portable emergency pump (i.e., P-100)
E4	CORE	Troubleshoot portable smoke generators
E4	CORE	Troubleshoot sprinkler systems
E4	CORE	Troubleshoot water mist systems
E4	CORE	Troubleshoot water wash down systems

SHIPBOARD DAMAGE CONTROL TRAINING

Paygrade	Task Type	Task Statements
E5	CORE	Conduct casualty control team training
E5	NON-CORE	Conduct crash and salvage training
E4	CORE	Conduct installed/portable Damage Control (DC) equipment training
E4	CORE	Conduct protective clothing training
E5	CORE	Evaluate Damage Control (DC) training drills

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Calculate daily draft reports
E5	NON-CORE	Draft Quality Assurance (QA) repair forms
E5	CORE	Maintain Damage Control (DC) equipment records
E5	CORE	Review closure logs
E5	NON-CORE	Review engineering logs
E4	NON-CORE	Review Hazardous Material (HAZMAT) inventories
E5	CORE	Update Compartment Check Off Lists (CCOL)

Job Title **Job Code**

Ship Survivability Systems Technician 003021

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	SHIP SURVIVAL SYS TECHNICIAN	SHIP SURV TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	DC	NEC 7XXX and UXXX series and other NECs as assigned

Job Description

Ship Survivability Systems Technicians do the work necessary for damage control, ship stability, firefighting, fire prevention, and Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) defense; instruct personnel in the methods of damage control and CBRNE defense; repair damage control equipment and systems; operate, repair, and troubleshoot installed firefighting systems and equipment, damage control equipment, and CBRNE defense equipment; train shipboard personnel in the operation, maintenance, and repair of damage control systems and equipment, life-saving devices, and firefighting methods; perform emergency repairs to decks, structures, pipes, and hulls by using emergency patching, plugging, and shoring; maintain and repair watertight closures and assorted fittings; and act as the ship's Fire Marshal and firefighting leaders and train ship's company in chemical, biological and radiological defense; work independently with very limited supervision; and mentor Ship Survivability Systems Maintainer(s).

DoD Relationship

Group Title	*DoD Code*
Other Craftsworkers, N.E.C., General	179000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Emergency Management Directors	11-9161.00	Management

Skills	Abilities
Monitoring	*Information Ordering*
Complex Problem Solving	*Mathematical Reasoning*
Critical Thinking	*Written Comprehension*
Learning Strategies	*Problem Sensitivity*
Quality Control Analysis	*Oral Expression*
Systems Evaluation	*Deductive Reasoning*
Writing	*Number Facility*
Equipment Maintenance	*Written Expression*
Instructing	*Multi-limb Coordination*
Mathematics	*Oral Comprehension*

CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR EXPLOSIVE (CBRNE) DEFENSE

Paygrade	Task Type	Task Statements
E6	CORE	Plot Radiological Control (RADCON) exposure stay times
E6	CORE	Verify Mission Oriented Protective Posture (MOPP) levels

DAMAGE CONTROL

Paygrade	Task Type	Task Statements
E7	CORE	Calculate effects of damage on ship's stability and buoyancy
E7	CORE	Calculate effects of emergency repair on ship's stability
E7	CORE	Coordinate ballast and de-ballast evolutions
E6	CORE	Maintain ships stability
E7	CORE	Perform ballasting/de-ballasting operations

SHIPBOARD DAMAGE CONTROL TRAINING

Paygrade	Task Type	Task Statements
E7	CORE	Conduct major fire declaration response training
E7	CORE	Coordinate formal training for the Damage Control Training Team

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	CORE	Administer Damage Control (DC) training programs
E7	NON-CORE	Approve Quality Assurance (QA) repair forms
E7	CORE	Assist in updates to Repair Party Manual (RPM)
E6	NON-CORE	Interpret heat stress survey results
E6	CORE	Maintain Damage Control (DC) directives
E7	CORE	Maintain draft report records
E7	CORE	Maintain Gas Free Engineering (GFE) Program
E6	NON-CORE	Review Quality Assurance (QA) repair forms
E6	NON-CORE	Update Quality Assurance (QA) repair forms

CHAPTER 23

MASS COMMUNICATION SPECIALIST (MC)

NAVPERS 18068F-23D
Change 100

Updated: October 2024

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

MASS COMMUNICATION SPECIALIST (MC)

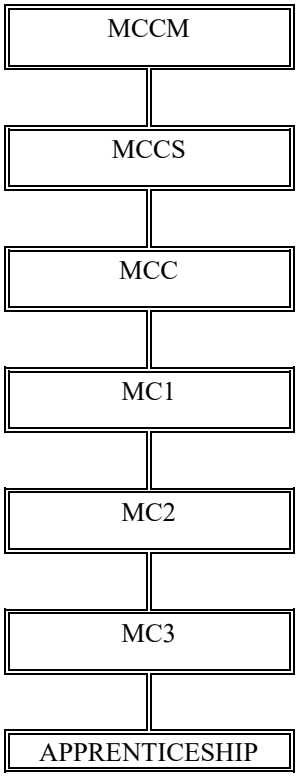
SCOPE OF RATING

Mass Communication Specialists (MC) practice human-centered design through primary and secondary research to develop creative communication solutions and align communication strategies and tactics to leadership's intent; conduct and provide documentation in the operational environment to support strategic decision-making; counter misinformation/disinformation and facilitate media literacy training; prepare, process, and create multimedia products, such as storyboards, graphics, publications, still imagery and written, audio, and video content; conduct community outreach and internal/external communication operations; plan, direct, and execute digital engagement strategies; serve as communication advisors to commanders; and ensure communication products and experiences are designed to enhance understanding and discoverability.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 23.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Content Developer

Job Code

002760

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Arts, Design, Entertainment, Sports, and Media	TBD	CONTENT DEVELOPER	CONTENT DEV

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MC	NEC AXXX series and other NECs as assigned

Job Description

Content Developers create graphics, audio, photographic, video, and written content to distribute in various communication channels and in support of operational visual information; create interactive visualizations, animations, and linear and non-linear multimedia products; design publications; create sketches and storyboards; prepare and process print materials; and write speeches, information stories, and data stories.

DoD Relationship

Group Title	*DoD Code*
Information and Education, General	157000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Media and Communication Workers, All Other	27-3099.00	Arts, Design, Entertainment, Sports, and Media

Skills	Abilities
Operation and Control	*Information Ordering*
Critical Thinking	*Selective Attention*
Social Perceptiveness	*Written Expression*
Technology Design	*Originality*
Writing	*Visualization*
Coordination	*Speed of Closure*
Equipment Maintenance	*Control Precision*
Management of Material Resources	*Inductive Reasoning*
Troubleshooting	*Oral Expression*
Active Listening	*Written Comprehension*

CONTENT AND EXPERIENCE CREATION

Paygrade	Task Type	Task Statements
E4	CORE	Acquire communication product material and components (e.g., media files, supporting datasets, etc.)
E4	CORE	Align content to command messaging
E4	CORE	Archive digital content (e.g., public affairs, visual information, etc.)
E4	CORE	Capture field/uncontrolled audio
E4	CORE	Capture operational visual information imagery
E4	CORE	Capture studio/controlled audio
E4	CORE	Compose a public affairs narrative in support of operational visual information
E4	CORE	Conduct background and communication product interviews
E4	CORE	Conduct news media operations (e.g., media queries, coverage coordination, etc.)
E4	CORE	Conduct news media training (e.g., media queries, coverage coordination, etc.)
E4	CORE	Create animations (i.e., motion graphics)
E4	CORE	Create graphic design products
E4	CORE	Create interactive visualizations (e.g., infographics, histograms, tree diagrams, etc.)
E4	CORE	Create Section 508 compliant transcripts
E4	CORE	Create special effects
E4	CORE	Design branding constructs and indicators
E4	CORE	Design presentations (e.g., command briefs, displays, information channels, etc.)
E4	CORE	Design publications (e.g., pamphlets, booklets, digital newspapers, etc.)

CONTENT AND EXPERIENCE CREATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Develop broadcast scripts
E4	CORE	Develop operational visual information report
E5	CORE	Disseminate communication products
E4	CORE	Document operational events in support of countering misinformation, disinformation, and/or malinformation
E4	CORE	Input metadata into visual information products
E4	CORE	Maintain audio capture equipment and systems
E4	CORE	Maintain command social media presences
E4	NON-CORE	Maintain media network equipment and systems (i.e., multimedia production system local area networks)
E4	CORE	Maintain media output equipment (i.e., finishing equipment and printers)
E5	NON-CORE	Maintain satellite transmission equipment and systems (e.g., Defense Video and Imagery Distribution System (DVIDS), etc.)
E4	CORE	Maintain studio and lighting equipment and systems
E4	CORE	Maintain visual capture equipment and systems
E4	CORE	Prepare content for print production
E4	CORE	Print publications and media products
E4	CORE	Process raw video
E4	CORE	Produce audio information products (e.g., stories, Public Service Announcements (PSA), etc.)
E4	CORE	Produce content to counter misinformation, disinformation, and/or malinformation
E4	CORE	Produce feature products (e.g., non-narratives, profiles, documentaries, etc.)
E4	CORE	Produce information packages (e.g., press kits, welcome aboard kits, etc.)
E4	CORE	Produce linear multimedia products (e.g., stories, Public Service Announcements (PSA), etc.)
E4	CORE	Produce non-linear multimedia products (e.g., digital menu screens, interactive multimedia, etc.)
E4	CORE	Produce video information products (e.g., stories, Public Service Announcements (PSA), etc.)
E4	CORE	Produce written information products (e.g., stories, captions, social media posts, website copy, etc.)
E4	CORE	Shoot controlled-action imagery
E4	CORE	Shoot uncontrolled-action imagery
E4	CORE	Upload digital content to accessioning points
E5	CORE	Write speeches

EVALUATION AND ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze media project feedback information
E4	CORE	Collect media project feedback information
E4	CORE	Collect performance information for communication and visual information plans
E4	CORE	Report media project feedback findings
E4	CORE	Conduct ideation sessions (e.g., brainstorms, insight statements, frameworks, etc.)

IDEA DEVELOPMENT AND PLANNING

Paygrade	Task Type	Task Statements
E4	CORE	Create content project plans
E4	CORE	Create content storyboards
E4	CORE	Create gestural drawing sketches
E5	CORE	Design digital archives and file management systems
E4	CORE	Develop communication solution options
E4	CORE	Perform Operational Documentation (OPDOC) operations (e.g., intelligence, forensic, Sensitive Site Exploitation (SSE), etc.)

PROBLEM DEFINITION

Paygrade	Task Type	Task Statements
E4	CORE	Align communication strategies and tactics to leadership's intent
E4	CORE	Analyze external media for credibility and objectivity
E4	CORE	Collect qualitative communication information
E4	CORE	Collect quantitative data (e.g., communication research, audience surveys, etc.)
E4	CORE	Conduct communication customer consultations
E4	CORE	Define target audiences
E4	CORE	Develop problem framing statements
E4	CORE	Develop Specific Measurable Achievable Relevant Time-bound (SMART) objectives in support of communication planning
E4	CORE	Identify news media trends
E4	CORE	Process job requests
E4	CORE	Process qualitative communication information
E4	CORE	Report qualitative communication research findings (e.g., stakeholder, constituent insights, etc.)

Job Title

Production Manager

Job Code

002761

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Arts, Design, Entertainment, Sports, and Media	TBD	PRODUCTION MANAGER	PRODUCTION MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MC	NEC AXXX series and other NECs as assigned

Job Description

Production Managers collect, analyze, and report media project feedback information; conduct user and customer interviews; upload digital content to accessioning points for external release and in support of operational visual information; design and manage digital archives and file management systems; maintain media equipment and systems; and facilitate media literacy training.

DoD Relationship

Group Title	*DoD Code*
Information and Education, General	157000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Media Technical Directors/Managers	27-2012.05	Arts, Design, Entertainment, Sports, and Media

Skills	Abilities
Critical Thinking	*Information Ordering*
Operation and Control	*Written Expression*
Social Perceptiveness	*Selective Attention*
Quality Control Analysis	*Inductive Reasoning*
Technology Design	*Originality*
Coordination	*Speed of Closure*
Judgment and Decision Making	*Visualization*
Writing	*Oral Expression*
Equipment Selection	*Problem Sensitivity*
Management of Material Resources	*Control Precision*

CONTENT AND EXPERIENCE CREATION

Paygrade	Task Type	Task Statements
E4	CORE	Acquire communication product material and components (e.g., media files, supporting datasets, etc.)
E4	CORE	Align content to command messaging
E6	CORE	Approve operational visual information storyboards
E4	CORE	Archive digital content (e.g., public affairs, visual information, etc.)
E4	CORE	Capture field/uncontrolled audio
E4	CORE	Capture operational visual information imagery
E4	CORE	Capture studio/controlled audio
E4	CORE	Compose a public affairs narrative in support of operational visual information
E4	CORE	Conduct background and communication product interviews
E4	CORE	Conduct news media operations (e.g., media queries, coverage coordination, etc.)
E4	CORE	Conduct news media training (e.g., media queries, coverage coordination, etc.)
E4	CORE	Create animations (i.e., motion graphics)
E4	CORE	Create graphic design products
E4	CORE	Create interactive visualizations (e.g., infographics, histograms, tree diagrams, etc.)
E4	CORE	Create Section 508 compliant transcripts
E4	CORE	Create special effects
E4	CORE	Design branding constructs and indicators
E4	CORE	Design presentations (e.g., command briefs, displays, information channels, etc.)

CONTENT AND EXPERIENCE CREATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Design publications (e.g., pamphlets, booklets, digital newspapers, etc.)
E4	CORE	Develop broadcast scripts
E4	CORE	Develop operational visual information report
E5	CORE	Direct media production operations
E5	CORE	Disseminate communication products
E4	CORE	Document operational events in support of countering misinformation, disinformation, and/or malinformation
E5	CORE	Edit written information products (e.g., stories, captions, social media posts, website copy, etc.)
E5	CORE	Facilitate media literacy training
E4	CORE	Input metadata into visual information products
E4	CORE	Maintain audio capture equipment and systems
E4	CORE	Maintain command social media presences
E4	NON-CORE	Maintain media network equipment and systems (i.e., multimedia production system local area networks)
E4	CORE	Maintain media output equipment (i.e., finishing equipment and printers)
E5	NON-CORE	Maintain satellite transmission equipment and systems (e.g., Defense Video and Imagery Distribution System (DVIDS), etc.)
E4	CORE	Maintain studio and lighting equipment and systems
E4	CORE	Maintain visual capture equipment and systems
E4	CORE	Prepare content for print production
E5	CORE	Prepare subject matter experts for news media interviews
E4	CORE	Print publications and media products
E4	CORE	Process raw video
E4	CORE	Produce audio information products (e.g., stories, Public Service Announcements (PSA), etc.)
E4	CORE	Produce content to counter misinformation, disinformation, and/or malinformation
E4	CORE	Produce feature products (e.g., non-narratives, profiles, documentaries, etc.)
E4	CORE	Produce information packages (e.g., press kits, welcome aboard kits, etc.)
E4	CORE	Produce linear multimedia products (e.g., stories, Public Service Announcements (PSA), etc.)
E5	CORE	Produce live/streaming video content
E4	CORE	Produce non-linear multimedia products (e.g., digital menu screens, interactive multimedia, etc.)
E5	CORE	Produce operational visual information storyboards
E4	CORE	Produce video information products (e.g., stories, Public Service Announcements (PSA), etc.)
E4	CORE	Produce written information products (e.g., stories, captions, social media posts, website copy, etc.)
E5	CORE	Provide communication product development feedback (storytelling fundamentals)
E5	CORE	Provide counsel on information and communication matters

CONTENT AND EXPERIENCE CREATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Review audio information products for quality and accuracy prior to release (e.g., stories, Public Service Announcements (PSA), etc.)
E5	CORE	Review graphic design products for quality and accuracy prior to release
E5	CORE	Review linear and non-linear multimedia products for quality and accuracy prior to release (e.g., stories, Public Service Announcements (PSA), etc.)
E5	CORE	Review still imagery products for quality and accuracy prior to release
E5	CORE	Review video information products for quality and accuracy prior to release (e.g., stories, Public Service Announcements (PSA), etc.)
E4	CORE	Shoot controlled-action imagery
E4	CORE	Shoot uncontrolled-action imagery
E4	CORE	Upload digital content to accessioning points

EVALUATION AND ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze media project feedback information
E5	CORE	Analyze performance information for communication and visual information plans
E4	CORE	Collect media project feedback information
E4	CORE	Collect performance information for communication and visual information plans
E5	CORE	Evaluate digital content performance
E4	CORE	Report media project feedback findings

IDEA DEVELOPMENT AND PLANNING

Paygrade	Task Type	Task Statements
E5	CORE	Approve content storyboards
E4	CORE	Conduct ideation sessions (e.g., brainstorms, insight statements, frameworks, etc.)
E5	CORE	Create content layering plans
E4	CORE	Create content project plans
E4	CORE	Create content storyboards
E4	CORE	Create gestural drawing sketches
E5	CORE	Design content workflows
E5	CORE	Design digital archives and file management systems
E5	CORE	Develop communication and visual information plans (e.g., contingency plans, Concept of Operations (CONOP), etc.)
E4	CORE	Develop communication solution options
E5	CORE	Develop content strategies
E5	CORE	Develop operational visual information plans
E5	CORE	Manage digital archives and file management systems
E4	CORE	Perform Operational Documentation (OPDOC) operations (e.g., intelligence, forensic, Sensitive Site Exploitation (SSE), etc.)
E5	CORE	Schedule content programming (e.g., audio and video playlists, social media, etc.)

PROBLEM DEFINITION

Paygrade	Task Type	Task Statements
E4	CORE	Align communication strategies and tactics to leadership's intent
E4	CORE	Analyze external media for credibility and objectivity
E5	CORE	Analyze information environment
E5	CORE	Analyze news media trends
E5	CORE	Analyze quantitative data (e.g., statistical analysis, computation, etc.)
E4	CORE	Collect qualitative communication information
E4	CORE	Collect quantitative data (e.g., communication research, audience surveys, etc.)
E4	CORE	Conduct communication customer consultations
E4	CORE	Define target audiences
E4	CORE	Develop problem framing statements
E4	CORE	Develop Specific Measurable Achievable Relevant Time-bound (SMART) objectives in support of communication planning
E5	CORE	Develop target audience profiles (e.g., personas, audience journey maps, etc.)
E4	CORE	Identify news media trends
E4	CORE	Process job requests
E4	CORE	Process qualitative communication information
E4	CORE	Report qualitative communication research findings (e.g., stakeholder, constituent insights, etc.)
E5	CORE	Report quantitative data analysis findings

Job Title

Creative Director

Job Code

002762

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Arts, Design, Entertainment, Sports, and Media	TBD	CREATIVE DIRECTOR	CREATIVE DIR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MC	NEC AXXX series and other NECs as assigned

Job Description

Creative Directors design communication campaigns, lead creative teams, and provide communication product feedback; design branding constructs and indicators; facilitate ideation sessions; interpret digital content performance and report communication and operational visual information plan effectiveness; oversee Define, Ideate, Create, and Evaluate (DICE) creative processes; and provide direction and guidance to creative teams.

DoD Relationship

Group Title	*DoD Code*
Information and Education, General	157000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Art Directors	27-1011.00	Arts, Design, Entertainment, Sports, and Media

Skills	Abilities
Critical Thinking	*Information Ordering*
Social Perceptiveness	*Written Expression*
Operation and Control	*Oral Expression*
Quality Control Analysis	*Inductive Reasoning*
Complex Problem Solving	*Time Sharing*
Coordination	*Originality*
Monitoring	*Deductive Reasoning*
Technology Design	*Speed of Closure*
Judgment and Decision Making	*Visualization*
Management of Personnel Resources	*Problem Sensitivity*

CONTENT AND EXPERIENCE CREATION

Paygrade	Task Type	Task Statements
E4	CORE	Acquire communication product material and components (e.g., media files, supporting datasets, etc.)
E4	CORE	Align content to command messaging
E6	CORE	Approve content in support of countering misinformation, disinformation, and/or malinformation
E6	CORE	Approve operational visual information storyboards
E4	CORE	Archive digital content (e.g., public affairs, visual information, etc.)
E4	CORE	Capture field/uncontrolled audio
E4	CORE	Capture studio/controlled audio
E4	CORE	Conduct background and communication product interviews
E4	CORE	Conduct news media operations (e.g., media queries, coverage coordination, etc.)
E4	CORE	Conduct news media training (e.g., media queries, coverage coordination, etc.)
E5	CORE	Coordinate community outreach operations (e.g., community events, speaking engagements, tours, etc.)
E6	CORE	Coordinate guest visits
E4	CORE	Create animations (i.e., motion graphics)
E4	CORE	Create graphic design products
E4	CORE	Create interactive visualizations (e.g., infographics, histograms, tree diagrams, etc.)
E4	CORE	Create Section 508 compliant transcripts

CONTENT AND EXPERIENCE CREATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Create special effects
E4	CORE	Design branding constructs and indicators
E4	CORE	Design presentations (e.g., command briefs, displays, information channels, etc.)
E4	CORE	Design publications (e.g., pamphlets, booklets, digital newspapers, etc.)
E4	CORE	Develop operational visual information report
E5	CORE	Direct media production operations
E5	CORE	Disseminate communication products
E5	CORE	Edit written information products (e.g., stories, captions, social media posts, website copy, etc.)
E5	CORE	Facilitate media literacy training
E4	CORE	Input metadata into visual information products
E4	CORE	Maintain command social media presences
E7	CORE	Manage digital content platforms
E5	CORE	Prepare subject matter experts for news media interviews
E4	CORE	Produce content to counter misinformation, disinformation, and/or malinformation
E5	CORE	Produce live/streaming video content
E5	CORE	Produce operational visual information storyboards
E5	CORE	Provide communication product development feedback (storytelling fundamentals)
E5	CORE	Provide counsel on information and communication matters
E5	CORE	Review audio information products for quality and accuracy prior to release (e.g., stories, Public Service Announcements (PSA), etc.)
E5	CORE	Review graphic design products for quality and accuracy prior to release
E5	CORE	Review linear and non-linear multimedia products for quality and accuracy prior to release (e.g., stories, Public Service Announcements (PSA), etc.)
E5	CORE	Review still imagery products for quality and accuracy prior to release
E5	CORE	Review video information products for quality and accuracy prior to release (e.g., stories, Public Service Announcements (PSA), etc.)
E6	CORE	Supervise live/streaming video production
E6	CORE	Supervise operational visual information operations
E6	CORE	Supervise use of data and statistics

EVALUATION AND ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze media project feedback information
E5	CORE	Analyze performance information for communication and visual information plans
E4	CORE	Collect media project feedback information
E4	CORE	Collect performance information for communication and visual information plans
E5	CORE	Evaluate digital content performance
E6	CORE	Report communication and visual information plan effectiveness
E4	CORE	Report media project feedback findings
E6	CORE	Approve content layering plans
E6	CORE	Approve content project plans

IDEA DEVELOPMENT AND PLANNING

Paygrade	Task Type	Task Statements
E5	CORE	Approve content storyboards
E6	CORE	Approve digital archives and file management system designs
E4	CORE	Conduct ideation sessions (e.g., brainstorms, insight statements, frameworks, etc.)
E5	CORE	Create content layering plans
E4	CORE	Create content project plans
E4	CORE	Create content storyboards
E4	CORE	Create gestural drawing sketches
E5	CORE	Design content workflows
E5	CORE	Design digital archives and file management systems
E5	CORE	Develop communication and visual information plans (e.g., contingency plans, Concept of Operations (CONOP), etc.)
E4	CORE	Develop communication solution options
E5	CORE	Develop content strategies
E6	CORE	Develop crisis communication plans
E6	CORE	Develop digital engagement strategies
E5	CORE	Develop operational visual information plans
E4	CORE	Establish command social media presences (e.g., registration, approval, Standard Operating Procedure (SOP), etc.)
E6	CORE	Incorporate operational visual information into operations and intelligence briefings
E6	CORE	Manage classified communication product development and reproductions
E4	CORE	Perform Operational Documentation (OPDOC) operations (e.g., intelligence, forensic, Sensitive Site Exploitation (SSE), etc.)
E5	CORE	Schedule content programming (e.g., audio and video playlists, social media, etc.)
E6	CORE	Supervise community outreach operations (e.g., community events, speaking engagements, tours, etc.)
E6	CORE	Supervise media production operations
E6	CORE	Supervise news media operations
E6	CORE	Supervise Operational Documentation (OPDOC) operations (e.g., intelligence, forensic, Sensitive Site Exploitation (SSE), etc.)
E6	CORE	Supervise organizational communication operations

PROBLEM DEFINITION

Paygrade	Task Type	Task Statements
E6	CORE	Align communication and visual information plans to Operational Orders (OPORD)
E4	CORE	Align communication strategies and tactics to leadership's intent
E4	CORE	Analyze external media for credibility and objectivity
E5	CORE	Analyze information environment
E5	CORE	Analyze news media trends
E5	CORE	Analyze quantitative data (e.g., statistical analysis, computation, etc.)
E4	CORE	Collect qualitative communication information
E4	CORE	Collect quantitative data (e.g., communication research, audience surveys, etc.)
E4	CORE	Conduct communication customer consultations

PROBLEM DEFINITION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Define target audiences
E6	CORE	Develop customer surveys
E4	CORE	Develop problem framing statements
E4	CORE	Develop Specific Measurable Achievable Relevant Time-bound (SMART) objectives in support of communication planning
E5	CORE	Develop target audience profiles (e.g., personas, audience journey maps, etc.)
E4	CORE	Identify news media trends
E4	CORE	Process job requests
E4	CORE	Process qualitative communication information
E4	CORE	Report qualitative communication research findings (e.g., stakeholder, constituent insights, etc.)
E5	CORE	Report quantitative data analysis findings
E6	CORE	Supervise audience targeting

Job Title

Communication Director

Job Code

002763

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	COMMUNICATION DIRECTOR	COMM DIRECTOR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MC	NEC AXXX series and other NECs as assigned

Job Description

Communication Directors serve as communication advisors; conduct news media operations, leadership communication, community outreach, and organizational communication campaigns; arrange, coordinate, and define the employment of Navy communicators for deployments, operations, and exercises; manage operational documentation missions; collect, analyze, and report data analysis findings; and release communication products and information.

DoD Relationship

Group Title	*DoD Code*
Information and Education, General	157000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Public Relations Managers	11-2032.00	Management

Skills	Abilities
Social Perceptiveness	*Information Ordering*
Coordination	*Oral Expression*
Critical Thinking	*Time Sharing*
Monitoring	*Inductive Reasoning*
Quality Control Analysis	*Written Expression*
Complex Problem Solving	*Speed of Closure*
Management of Personnel Resources	*Deductive Reasoning*
Judgment and Decision Making	*Written Comprehension*
Operation and Control	*Category Flexibility*
Speaking	*Oral Comprehension*

CONTENT AND EXPERIENCE CREATION

Paygrade	Task Type	Task Statements
E4	CORE	Acquire communication product material and components (e.g., media files, supporting datasets, etc.)
E4	CORE	Align content to command messaging
E7	CORE	Approve content for release
E6	CORE	Approve content in support of countering misinformation, disinformation, and/or malinformation
E6	CORE	Approve operational visual information storyboards
E4	CORE	Archive digital content (e.g., public affairs, visual information, etc.)
E4	CORE	Conduct background and communication product interviews
E4	CORE	Conduct news media operations (e.g., media queries, coverage coordination, etc.)
E4	CORE	Conduct news media training (e.g., media queries, coverage coordination, etc.)
E5	CORE	Coordinate community outreach operations (e.g., community events, speaking engagements, tours, etc.)
E6	CORE	Coordinate guest visits
E4	CORE	Develop operational visual information report
E5	CORE	Disseminate communication products
E5	CORE	Edit written information products (e.g., stories, captions, social media posts, website copy, etc.)
E5	CORE	Facilitate media literacy training
E4	CORE	Input metadata into visual information products

CONTENT AND EXPERIENCE CREATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain command social media presences
E7	CORE	Manage digital content platforms
E7	CORE	Manage operational visual information operations
E7	CORE	Manage operational visual information transmission processes
E5	CORE	Perform as spokesperson (e.g., news conferences, interviews, etc.)
E5	CORE	Prepare subject matter experts for news media interviews
E4	CORE	Produce content to counter misinformation, disinformation, and/or malinformation
E5	CORE	Provide communication product development feedback (storytelling fundamentals)
E5	CORE	Provide counsel on information and communication matters
E6	CORE	Supervise live/streaming video production
E6	CORE	Supervise operational visual information operations
E6	CORE	Supervise use of data and statistics

EVALUATION AND ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze media project feedback information
E5	CORE	Analyze performance information for communication and visual information plans
E4	CORE	Collect media project feedback information
E4	CORE	Collect performance information for communication and visual information plans
E7	CORE	Conduct content audits (e.g., content gaps, search optimization, etc.)
E5	CORE	Evaluate digital content performance
E6	CORE	Report communication and visual information plan effectiveness
E4	CORE	Report media project feedback findings

IDEA DEVELOPMENT AND PLANNING

Paygrade	Task Type	Task Statements
E6	CORE	Approve content layering plans
E6	CORE	Approve content project plans
E7	CORE	Approve content workflows
E7	CORE	Approve digital engagement strategy
E4	CORE	Conduct ideation sessions (e.g., brainstorms, insight statements, frameworks, etc.)
E5	CORE	Create content layering plans
E4	CORE	Create content project plans
E5	CORE	Develop communication and visual information plans (e.g., contingency plans, Concept of Operations (CONOP), etc.)
E7	CORE	Develop communication product management plans (e.g., keyword schemas, content lifecycles, etc.)
E4	CORE	Develop communication solution options
E5	CORE	Develop content strategies
E6	CORE	Develop crisis communication plans
E6	CORE	Develop digital engagement strategies
E5	CORE	Develop operational visual information plans

IDEA DEVELOPMENT AND PLANNING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Establish command social media presences (e.g., registration, approval, Standard Operating Procedure (SOP), etc.)
E6	CORE	Incorporate operational visual information into operations and intelligence briefings
E6	CORE	Manage classified communication product development and reproductions
E7	CORE	Manage community outreach operations (e.g., community events, speaking engagements, tours, etc.)
E7	CORE	Manage Freedom of Information Act (FOIA) requests
E7	CORE	Manage media production operations
E7	CORE	Manage news media operations
E7	CORE	Manage Operational Documentation (OPDOC) operations (e.g., intelligence, forensic, Sensitive Site Exploitation (SSE), etc.)
E7	CORE	Manage organizational communication operations
E7	CORE	Manage Section 508 and inclusive design programs
E5	CORE	Schedule content programming (e.g., audio and video playlists, social media, etc.)
E6	CORE	Supervise community outreach operations (e.g., community events, speaking engagements, tours, etc.)
E6	CORE	Supervise media production operations
E6	CORE	Supervise news media operations
E6	CORE	Supervise Operational Documentation (OPDOC) operations (e.g., intelligence, forensic, Sensitive Site Exploitation (SSE), etc.)
E6	CORE	Supervise organizational communication operations

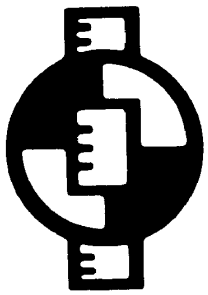
PROBLEM DEFINITION

Paygrade	Task Type	Task Statements
E6	CORE	Align communication and visual information plans to Operational Orders (OPORD)
E4	CORE	Align communication strategies and tactics to leadership's intent
E4	CORE	Analyze external media for credibility and objectivity
E5	CORE	Analyze information environment
E5	CORE	Analyze news media trends
E5	CORE	Analyze quantitative data (e.g., statistical analysis, computation, etc.)
E4	CORE	Collect qualitative communication information
E4	CORE	Collect quantitative data (e.g., communication research, audience surveys, etc.)
E4	CORE	Conduct communication customer consultations
E4	CORE	Define target audiences
E6	CORE	Develop customer surveys
E4	CORE	Develop problem framing statements
E4	CORE	Develop Specific Measurable Achievable Relevant Time-bound (SMART) objectives in support of communication planning
E5	CORE	Develop target audience profiles (e.g., personas, audience journey maps, etc.)
E4	CORE	Identify news media trends
E4	CORE	Process job requests
E4	CORE	Process qualitative communication information

PROBLEM DEFINITION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Report qualitative communication research findings (e.g., stakeholder, constituent insights, etc.)
E5	CORE	Report quantitative data analysis findings
E6	CORE	Supervise audience targeting

CHAPTER 28



ENGINEERING AIDE
(EA)

NAVPERS 18068F-28H
Change 100

Updated: October 2024

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

ENGINEERING AIDE (EA)

SCOPE OF RATING

Engineering Aides (EA) plan, supervise, and perform tasks required in construction design preparation, surveying, drafting, materials testing, and construction management; establish control survey points, run and close traverses, run level circuits, create topographic maps, stake out construction projects, employing conventional and Global Navigation Survey Systems (GNSS); prepare, edit, and reproduce construction drawings; establish and operate systems for testing soils, concrete and other construction materials, design aggregate mixes for soil-cement, concrete, and bituminous applications; prepare timekeeping records, construction schedules, planning and estimating, quality control, and progress reports; provide facilities support; maintain individual combat readiness; and perform tasks required in combat, Defense Support of Civil Authorities (DSCA), and Humanitarian Assistance/Disaster Recovery (HA/DR) operations.

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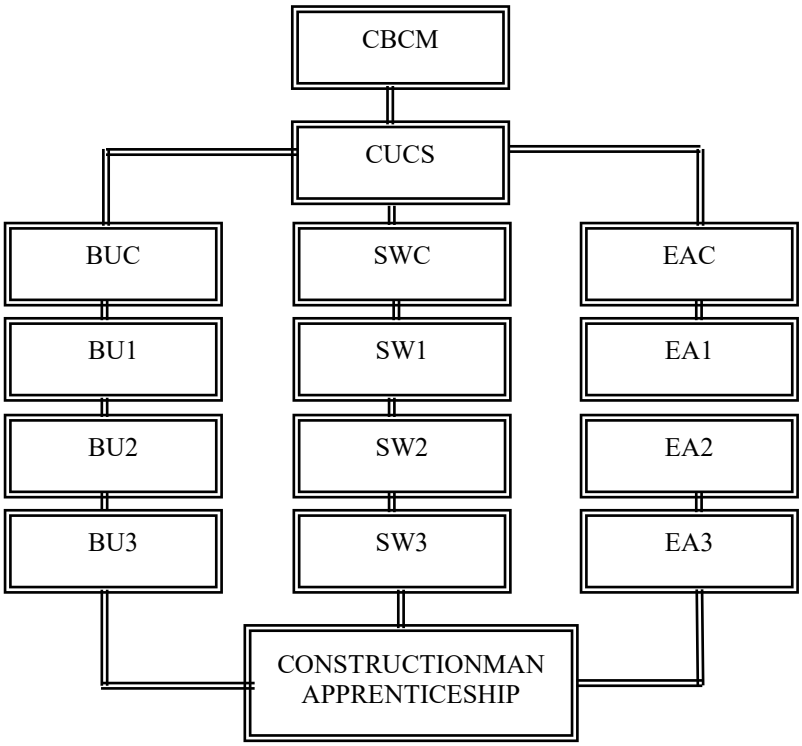
This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 28.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

*Career path updated to reflect rating name change to Seabee Master Chief (CBCM) – NAVADMIN 054/21 refers

Job Title

Engineering Aide

Job Code

001160

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Architecture and Engineering	TBD	ENGINEERING AIDE	ENGINEER AIDE

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EA	NEC BXXX series and other NECs as assigned

Job Description

Engineering Aides plan, supervise, and perform tasks required in construction design preparation, surveying, drafting, materials testing, and construction management; establish control survey points, run and close traverses, and run level circuits; create topographic maps; stake out construction projects, employing conventional and Global Navigation Survey Systems (GNSS) and mobile mappings; prepare, edit, and reproduce construction drawings; establish and operate systems for testing soils, concrete and other construction materials; design aggregate mixes for soil stabilization, concrete, and bituminous applications; prepare construction schedules; prepare planning and estimating, quality control, and progress reports; plan, staff, direct, and control construction projects through problem solving, planning, estimating, scheduling, cost control, and management of personnel in order to ensure compliance with specifications, code requirements, plans, and contracts; and lead as project supervisors and trainers for junior personnel.

DoD Relationship

Group Title	*DoD Code*
Construction, General	171000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Civil Engineering Technologists and Technicians	17-3022.00	Architecture and Engineering

Skills	Abilities
Complex Problem Solving	*Deductive Reasoning*
Operations Analysis	*Information Ordering*
Operation and Control	*Inductive Reasoning*
Quality Control Analysis	*Mathematical Reasoning*
Management of Personnel Resources	*Oral Expression*
Judgment and Decision Making	*Problem Sensitivity*
Management of Material Resources	*Written Expression*
Monitoring	*Written Comprehension*
Mathematics	*Speed of Closure*
Systems Analysis	*Category Flexibility*

CONSTRUCTION DESIGN

Paygrade	Task Type	Task Statements
E5	CORE	Calculate engineering and construction design requirements
E5	CORE	Develop architectural designs using Computer-Aided Design (CAD)
E5	CORE	Develop civil engineering designs using Computer-Aided Design (CAD)
E5	NON-CORE	Develop cold-formed steel facility designs using detailer software
E5	CORE	Develop electrical designs using Computer-Aided Design (CAD)
E5	CORE	Develop heavy construction designs using Computer-Aided Design (CAD)
E5	CORE	Develop mechanical designs using Computer-Aided Design (CAD)
E6	CORE	Develop specialty designs based on Unified Facilities Criteria (UFC) using Computer-Aided Design (CAD) (e.g., airfield, wharf, pier, port, heliport, power station, moles, breakwater, etc.)
E5	CORE	Develop structural designs using Computer-Aided Design (CAD)
E5	CORE	Develop survey designs using post processing software

CONSTRUCTION MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Conduct construction project turnovers
E6	CORE	Conduct Three-Phase Quality Control inspections
E4	CORE	Develop construction activity summary sheets
E4	CORE	Develop construction estimates
E5	CORE	Develop construction project packages
E4	CORE	Develop construction project sketches and diagrams
E5	NON-CORE	Develop construction safety plans
E5	NON-CORE	Develop environmental protection plans
E5	CORE	Develop master activities listing
E5	CORE	Develop project Three-Phase Quality Control plans
E4	CORE	Establish construction site layouts
E5	CORE	Input project data into construction management software and tools
E5	CORE	Inspect construction materials
E5	CORE	Interpret construction project drawings and specifications
E4	CORE	Inventory project tools and materials
E5	CORE	Lead construction project crews
E6	CORE	Manage construction project resources
E7	CORE	Manage construction projects
E7	NON-CORE	Manage construction safety plans
E6	CORE	Manage job site construction operations (e.g. Quality Control (QC) and safety plan implementation, job site information board, level III chart, etc.)
E6	CORE	Manage project Quality Control (QC) plans
E7	CORE	Manage Three-Phase Quality Control program
E6	NON-CORE	Supervise batch plant operations
E6	CORE	Supervise construction project crews
E5	NON-CORE	Supervise construction project safety operations
E6	CORE	Supervise construction project turnovers
E6	NON-CORE	Supervise environmental protection plans
E6	CORE	Supervise planning and estimating operations
E6	CORE	Supervise project Three-Phase Quality Control process
E6	CORE	Validate construction project packages
E5	CORE	Validate project surveys and elevation data
E6	CORE	Verify construction project contract requirements

DRAFTING

Paygrade	Task Type	Task Statements
E4	CORE	Analyze construction drawings
E5	CORE	Develop construction plans using Computer-Aided Design (CAD)
E4	CORE	Draft architectural drawings using Computer-Aided Design (CAD)

DRAFTING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Draft civil drawings using Computer-Aided Design (CAD) (e.g., drainage, road, site plans, etc.)
E4	NON-CORE	Draft cold-formed steel framing installation plans
E4	CORE	Draft electrical drawings using Computer-Aided Design (CAD)
E4	CORE	Draft heavy construction designs using Computer-Aided Design (CAD)
E4	CORE	Draft mechanical drawings using Computer-Aided Design (CAD)
E5	CORE	Draft specialty designs based on Unified Facilities Criteria (UFC) using Computer-Aided Design (CAD) (i.e., airfield, wharf, pier, port, heliport, power station, moles, breakwater, etc.)
E4	CORE	Draft structural drawings using Computer-Aided Design (CAD)
E5	CORE	Supervise drafting operations
E6	CORE	Validate construction drawings

ENGINEERING TECHNICAL SUPPORT

Paygrade	Task Type	Task Statements
E5	CORE	Consolidate construction project specifications and standards
E4	CORE	Maintain engineering technical libraries
E4	CORE	Maintain engineering tool kits
E4	CORE	Maintain technical plan files and records
E7	CORE	Manage engineering support operations
E4	CORE	Provide construction drawings
E6	CORE	Supervise engineering support operations

FACILITIES SUPPORT

Paygrade	Task Type	Task Statements
E6	NON-CORE	Administer facilities maintenance contracts
E5	NON-CORE	Administer facilities maintenance programs
E5	NON-CORE	Conduct building inspections
E4	NON-CORE	Coordinate facilities maintenance program requests
E7	NON-CORE	Manage facilities contract administration programs
E7	NON-CORE	Manage facilities maintenance programs

MATERIALS TESTING

Paygrade	Task Type	Task Statements
E5	CORE	Develop materials testing reports
E5	CORE	Perform bituminous mix designs
E5	CORE	Perform concrete mix designs
E5	CORE	Perform soil stabilization mix designs
E5	NON-CORE	Supervise batch plant Quality Control (QC) requirements
E5	CORE	Supervise materials testing operations
E5	CORE	Test bituminous materials

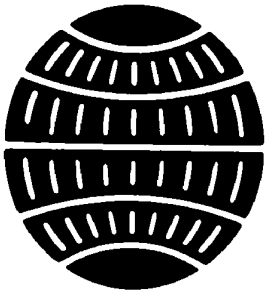
MATERIALS TESTING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test concrete materials
E4	CORE	Test soil materials
E5	CORE	Test soil stabilization materials
E6	CORE	Validate material testing reports

SURVEYING

Paygrade	Task Type	Task Statements
E5	NON-CORE	Assess airfield damages
E5	NON-CORE	Assess pier damages
E4	NON-CORE	Conduct battle damage surveys
E4	CORE	Conduct construction surveys
E4	CORE	Conduct engineering surveys
E5	CORE	Conduct Global Navigation Survey System (GNSS) surveys
E4	NON-CORE	Conduct mobile mapping surveys (e.g., Light Detection and Ranging (LIDAR), geospatial 3-D scanning, photogrammetry, etc.)
E5	CORE	Convert file for upload to heavy equipment for Global Navigation Survey System (GNSS)
E4	CORE	Interpret survey data
E4	NON-CORE	Post-process mobile mapping surveys data (e.g., Light Detection and Ranging (LIDAR), geospatial 3-D scanning, photogrammetry, etc.)
E4	CORE	Process survey data
E5	CORE	Supervise surveying operations
E5	CORE	Upload file designs to heavy equipment Global Navigation Survey System (GNSS)
E6	CORE	Validate survey data

CHAPTER 29



ELECTRICIAN'S MATE
(EM)

NAVPERS 18068F-29H
Change 105

Updated: January 2026

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NAVY ENLISTED OCCUPATIONAL STANDARDS

FOR

ELECTRICIAN'S MATE (EM)

SCOPE OF RATING

Electrician's Mates (EM) operate and control generators, switchboards, control equipment, and electrical/electronic equipment associated with engineering plants; operate and perform organizational and intermediate maintenance on power and lighting circuits, electrical fixtures, motors, generators, voltage and frequency regulators, controllers, distribution switchboards and other electrical/electronic equipment; test for short circuits, grounds or other casualties; repair and/or rebuild electrical equipment, including solid state circuitry elements.

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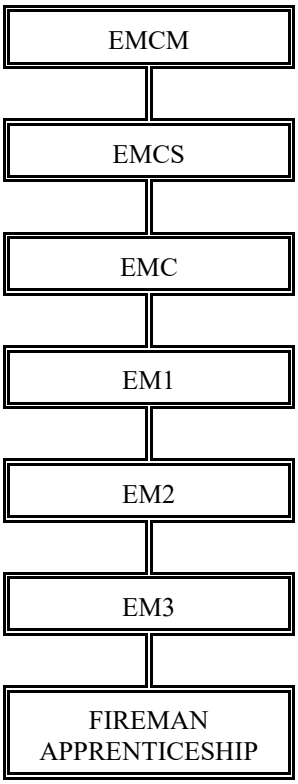
These Occupational Standards are to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 29.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Electrical Systems Manager

Job Code

002839

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	ELECTRICAL SYSTEMS MANAGER	ELEC SYS MANGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EM	UXXX and 7XXX series and other NECs as assigned

Job Description

Electrical Systems Manager direct operations and maintenance of shipboard electrical power systems, including switchboards, generators, distribution panels, and associated equipment; provide training for command personnel; coordinate the shipboard electrical safety and tag-out program; perform audits of divisional and/or departmental programs; evaluate trend analyses, and implement process improvements; perform risk management; manage work critical for movement of Naval tactical and command forces; and mentor/train Electrical Systems Technicians and Electrical Systems Maintainers.

DoD Relationship

Group Title	*DoD Code*
Electric Power	166200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094.00	Installation, Maintenance, and Repair

Skills	Abilities
Quality Control Analysis	*Written Comprehension*
Reading Comprehension	*Information Ordering*
Monitoring	*Selective Attention*
Coordination	*Problem Sensitivity*
Instructing	*Speech Clarity*
Management of Material Resources	*Oral Expression*
Operations Analysis	*Deductive Reasoning*
Speaking	*Near Vision*
Equipment Maintenance	*Inductive Reasoning*
Learning Strategies	*Static Strength*

MOTORS AND GENERATORS

Paygrade	Task Type	Task Statements
E7	CORE	Conduct closeout inspections on Ship's Service Generator (SSG)
E7	CORE	Supervise maintenance on Ship's Service Generator (SSG) electrical components

PROPULSION

Paygrade	Task Type	Task Statements
E6	CORE	Perform preventive maintenance on precipitator components

SAFETY

Paygrade	Task Type	Task Statements
E7	CORE	Conduct operational test on casualty power systems
E7	CORE	Conduct preventive maintenance on shore power rigging and unrigging
E7	CORE	Supervise electric plant dynamic testing
E7	CORE	Supervise shore power rigging and unrigging
E5	CORE	Supervise work on energized equipment
E7	CORE	Validate closeout of load centers, switchboards, and generators

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze technical manuals
E7	CORE	Approve wire removals and replacements form
E6	NON-CORE	Authorize Quality Assurance (QA) repair forms
E5	CORE	Conduct electrical safety training
E6	CORE	Conduct tag-out training
E5	CORE	Conduct training on electrical and electronic fundamentals and components
E6	CORE	Develop temporary procedures on electrical systems
E7	NON-CORE	Manage classified and controlled materials
E7	CORE	Manage electrical safety program
E7	CORE	Manage tag-out program
E5	CORE	Train Repair Party Electricians (RPE)
E7	CORE	Validate Formal Work Packages (FWP) for motor rewind
E5	NON-CORE	Validate Quality Assurance (QA) repair forms
E7	CORE	Validate temporary procedures on electrical systems
E7	CORE	Validate working drawings
E7	CORE	Verify accuracy of administrative programs (e.g., tag-out, electrical safety, electrical tool issue, etc.)
E7	CORE	Verify completion of electrical checks on Master Light Off Checklist Sheet (MLOCS)

Job Title **Job Code**

Electrical Systems Technician 003302

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	ELECTRICAL SYSTEMS TECHNICIAN	ELEC SYS TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EM	UXXX and 7XXX series and other NECs as assigned

Job Description

Electrical Systems Technicians perform operations, troubleshooting, and corrective maintenance on electrical distribution systems, motors and controllers, electrical generators, lighting systems, alarm and indicating systems, machinery vibration analysis equipment, other electrical and electronic control and support equipment, propulsion plant and auxiliary equipment and other equipment essential for the movement of Naval tactical forces; and interpret electrical schematics, diagrams and blueprints associated with those systems.

DoD Relationship

Group Title	*DoD Code*
Electric Power	166200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094.00	Installation, Maintenance, and Repair

Skills	Abilities
Systems Analysis	*Finger Dexterity*
Critical Thinking	*Visualization*
Installation	*Deductive Reasoning*
Equipment Selection	*Fluency of Ideas*
Repairing	*Selective Attention*
Systems Evaluation	*Written Comprehension*
Equipment Maintenance	*Control Precision*
Reading Comprehension	*Information Ordering*
Quality Control Analysis	*Speed of Closure*
Technology Design	*Oral Expression*

AUXILIARY ELECTRICAL EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Adjust capstan electrical components
E4	CORE	Adjust electrical winch components
E5	CORE	Adjust electrically-operated valve components
E4	CORE	Adjust galley equipment electrical components
E4	CORE	Adjust scullery equipment electrical components
E5	CORE	Align degaussing system components
E5	CORE	Conduct preventive maintenance on degaussing system components
E5	CORE	Conduct preventive maintenance on steering control system electrical and electronic components
E5	CORE	Repair air compressor electrical components
E5	CORE	Repair air conditioning system electrical components
E5	CORE	Repair battery service and support system
E4	CORE	Repair chilled water electrical system components
E5	CORE	Repair Collection, Holding, and Transfer (CHT) system electrical components
E6	CORE	Repair degaussing system components
E5	NON-CORE	Repair dehydrator electrical components
E5	CORE	Repair electrically-operated valve components
E4	CORE	Repair galley equipment electrical components

AUXILIARY ELECTRICAL EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair laundry equipment electrical components
E4	CORE	Repair mess deck equipment electrical components
E4	CORE	Repair potable water system electrical components
E5	CORE	Repair refrigeration system electrical components
E4	NON-CORE	Repair salinity indicating system components
E4	CORE	Repair scullery equipment electrical components
E4	CORE	Repair ship's heating system electrical components
E5	CORE	Repair ship's steering control system electrical components
E5	CORE	Repair ventilation system electrical components
E4	CORE	Repair waste management electrical components
E4	CORE	Repair welding equipment electrical components
E5	CORE	Replace air compressor electrical and electronic components
E5	CORE	Replace air conditioning system electrical and electronic components
E5	CORE	Replace battery service and support system
E4	CORE	Replace capstan electrical components
E4	CORE	Replace chilled water electrical and electronic components
E5	CORE	Replace Collection, Holding, and Transfer (CHT) system electronic and electrical components
E6	CORE	Replace degaussing system components
E5	NON-CORE	Replace dehydrator electrical components
E4	CORE	Replace electrical winch components
E5	CORE	Replace electrically-operated valve components
E4	CORE	Replace galley equipment electrical components
E4	CORE	Replace laundry equipment electrical and electronic components
E4	CORE	Replace mess deck equipment electrical components
E4	CORE	Replace potable water system electrical components
E5	CORE	Replace refrigeration system electrical components
E4	NON-CORE	Replace salinity indicating system components
E4	CORE	Replace scullery equipment electrical components
E4	CORE	Replace ship's heating system electrical and electronic components
E5	CORE	Replace ship's steering control system electrical and electronic components
E5	CORE	Replace ventilation system electrical and electronic components
E4	CORE	Replace waste management electrical and electronic components
E4	CORE	Replace welding equipment electrical and electronic components
E5	CORE	Test electrically-operated valve components
E5	CORE	Troubleshoot air compressor electrical and electronic components
E5	CORE	Troubleshoot air conditioning system electrical and electronic components
E5	CORE	Troubleshoot battery service and support systems
E4	CORE	Troubleshoot chilled water electrical and electronic components

AUXILIARY ELECTRICAL EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Troubleshoot Collection, Holding, and Transfer (CHT) system electronic and electrical components
E6	CORE	Troubleshoot degaussing system components
E5	NON-CORE	Troubleshoot dehydrator electrical components
E5	CORE	Troubleshoot electrically-operated valve components
E4	CORE	Troubleshoot galley equipment electrical components
E4	CORE	Troubleshoot laundry equipment electrical and electronic components
E4	CORE	Troubleshoot mess deck equipment electrical components
E4	CORE	Troubleshoot potable water system electrical components
E5	CORE	Troubleshoot refrigeration system electrical components
E4	NON-CORE	Troubleshoot salinity indicating system components
E4	CORE	Troubleshoot scullery equipment electrical components
E4	CORE	Troubleshoot ship's heating system electrical and electronic components
E5	CORE	Troubleshoot ship's steering control system electrical and electronic components
E5	CORE	Troubleshoot ventilation system electrical and electronic components
E4	CORE	Troubleshoot waste management electrical and electronic components
E4	CORE	Troubleshoot welding equipment electrical components

ELECTRICAL INSTALLATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Disconnect electrical equipment
E4	CORE	Inspect cableways
E4	CORE	Install hardwired electrical equipment
E4	CORE	Install permanent cables
E4	CORE	Isolate damaged electrical equipment
E4	CORE	Remove dead-ended cables
E5	CORE	Repair damaged electrical equipment
E4	NON-CORE	Solder electrical leads to equipment

ELEVATORS AND CONVEYORS

Paygrade	Task Type	Task Statements
E5	CORE	Repair conveyor electrical components
E5	CORE	Repair elevator and dumbwaiter electrical components
E5	CORE	Replace conveyor electrical and electronic components
E5	CORE	Replace elevator and dumbwaiter electrical components
E5	CORE	Troubleshoot conveyor electrical and electronic components
E5	CORE	Troubleshoot elevator and dumbwaiter electrical components

LIFTING EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Repair capstan electrical components
E5	CORE	Repair crane electrical components

LIFTING EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair electrical winch components
E5	CORE	Repair hoist electrical components
E5	CORE	Repair windlass electrical components
E5	CORE	Replace crane electrical and electronic components
E5	CORE	Replace windlass electrical components
E4	CORE	Troubleshoot capstan electrical components
E5	CORE	Troubleshoot crane electrical and electronic components
E4	CORE	Troubleshoot electrical winch components
E5	CORE	Troubleshoot hoist electrical components
E5	CORE	Troubleshoot windlass electrical components

LIGHTING SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust flight deck lighting and landing aids system components
E4	CORE	Repair flight deck lighting and landing aids system components
E4	CORE	Repair general lighting system components
E4	CORE	Repair navigation and signal lighting system components
E4	CORE	Replace flight deck lighting and landing aids system components
E4	CORE	Replace general lighting system components
E4	CORE	Replace navigation and signal lighting system components
E4	CORE	Troubleshoot flight deck lighting and landing aids system components
E4	CORE	Troubleshoot general lighting system components
E4	CORE	Troubleshoot navigation and signal lighting system components

MOTORS AND GENERATORS

Paygrade	Task Type	Task Statements
E5	CORE	Conduct preventive maintenance on generator governor system electrical and electronic components
E5	CORE	Conduct preventive maintenance on Ship's Service Generator (SSG) electrical components
E5	CORE	Conduct preventive maintenance on static converter components
E5	CORE	Conduct preventive maintenance on static inverter components
E5	CORE	Repair Direct Current (DC) generators
E5	CORE	Repair Direct Current (DC) motors
E6	CORE	Repair generator governor system electrical components
E6	CORE	Repair Ship's Service Generator (SSG) electrical components
E5	CORE	Repair static converter components
E5	CORE	Repair static inverter components
E4	CORE	Replace Alternating Current (AC) motors
E5	CORE	Replace Direct Current (DC) generators
E5	CORE	Replace Direct Current (DC) motors

MOTORS AND GENERATORS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Replace generator governor system electrical and electronic components
E4	CORE	Replace motors bearings
E6	CORE	Replace Ship's Service Generator (SSG) electrical components
E6	CORE	Test generator governor system electrical and electronic components
E4	CORE	Troubleshoot Alternating Current (AC) motors
E5	CORE	Troubleshoot Direct Current (DC) generators
E5	CORE	Troubleshoot Direct Current (DC) motors
E6	CORE	Troubleshoot generator governor system electrical and electronic components
E6	CORE	Troubleshoot Ship's Service Generator (SSG) electrical components
E5	CORE	Troubleshoot static converter components
E5	CORE	Troubleshoot static inverter components

NETWORKED LOGIC CONTROL SYSTEMS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct preventive maintenance on Machinery Control System (MCS) electrical and electronic components
E5	CORE	Conduct preventive maintenance on Programmable Logic Controllers (PLC)
E5	NON-CORE	Configure Machinery Control System (MCS) electrical and electronic components
E4	CORE	Configure Programmable Logic Controllers (PLC) hardware
E5	CORE	Repair digital and analog controls circuits
E5	NON-CORE	Repair Machinery Control System (MCS) electrical components
E5	CORE	Replace Programmable Logic Controllers (PLC) Hardware
E5	CORE	Replace digital and analog controls circuits
E5	NON-CORE	Replace Machinery Control System (MCS) electrical and electronic components
E5	CORE	Replace Programmable Logic Controllers (PLC) components
E5	CORE	Replace Programmable Logic Controllers (PLC) Field devices (e.g., Transducers, Resistance Temperature Detector (RTD), Magnetic pickups, etc.)
E5	CORE	Test digital and analog controls circuits
E5	CORE	Test Programmable Logic Controllers (PLC) Field devices (e.g., Transducers, Resistance Temperature Detector (RTD), Magnetic pickups, etc.)
E5	CORE	Troubleshoot digital and analog controls circuits
E5	NON-CORE	Troubleshoot Machinery Control System (MCS) electrical and electronic components
E5	CORE	Troubleshoot Programmable Logic Controllers (PLC)
E5	CORE	Troubleshoot Programmable Logic Controllers (PLC) Field devices (e.g., Transducers, Resistance Temperature Detector (RTD), Magnetic pickups, etc.)

POWER DISTRIBUTION

Paygrade	Task Type	Task Statements
E5	CORE	Conduct preventive maintenance on electrical distribution switchboard components
E4	CORE	Perform shore power rigging and unrigging
E5	CORE	Repair Arc Fault Detector (AFD) system components
E5	CORE	Repair Automatic Bus Transfer (ABT) components
E4	CORE	Repair casualty power system components
E4	CORE	Repair Direct Current (DC) distribution circuits and components
E5	CORE	Repair electrical distribution switchboard components
E5	CORE	Repair electrical power monitoring systems
E4	CORE	Repair magnetic controllers
E4	CORE	Repair Manual Bus Transfer (MBT) components
E4	CORE	Repair neutral bonded Alternating Current (AC) distribution circuits and components
E4	CORE	Repair power distribution system components
E4	CORE	Repair ungrounded Alternating Current (AC) distribution circuits and components
E5	CORE	Repair Uninterruptable Power Supplies (UPS)
E5	CORE	Replace Automatic Bus Transfer (ABT) components
E4	CORE	Replace casualty power system components
E4	CORE	Replace Direct Current (DC) distribution circuits and components
E5	CORE	Replace electrical distribution switchboard components
E4	CORE	Replace neutral bonded Alternating Current (AC) distribution circuits and components
E5	CORE	Replace static converter components
E5	CORE	Replace static inverter components
E4	CORE	Replace ungrounded Alternating Current (AC) distribution circuits and components
E5	CORE	Troubleshoot Arc Fault Detector (AFD) system components
E5	CORE	Troubleshoot Automatic Bus Transfer (ABT) components
E4	CORE	Troubleshoot casualty power system components
E4	CORE	Troubleshoot Direct Current (DC) distribution circuits and components
E5	CORE	Troubleshoot electrical distribution switchboard components
E5	CORE	Troubleshoot electrical power monitoring systems
E4	CORE	Troubleshoot magnetic controllers
E4	CORE	Troubleshoot Manual Bus Transfer (MBT) components
E4	CORE	Troubleshoot neutral bonded Alternating Current (AC) distribution circuits and components
E4	CORE	Troubleshoot power distribution system components
E4	CORE	Troubleshoot ungrounded Alternating Current (AC) distribution circuits and components
E5	CORE	Troubleshoot Uninterruptable Power Supplies (UPS)

PROPULSION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Calibrate shaft speed sensing, indication, and Engine Order Telegraph (EOT) components
E5	CORE	Conduct preventive maintenance on boiler electrical and electronic components
E5	NON-CORE	Conduct preventive maintenance on shaft speed sensing, indication, and Engine Order Telegraph (EOT) components
E6	CORE	Perform preventive maintenance on precipitator components
E5	CORE	Repair boiler electrical components
E5	CORE	Repair engine electrical components
E6	CORE	Repair precipitator components
E5	NON-CORE	Repair shaft speed sensing, indication, and Engine Order Telegraph (EOT) components
E5	CORE	Replace boiler electrical and electronic components
E5	CORE	Replace engine electrical and electronic components
E6	CORE	Replace precipitator components
E5	NON-CORE	Replace shaft speed sensing, indication, and Engine Order Telegraphic (EOT) components
E5	NON-CORE	Test shaft speed sensing, indication, and Engine Order Telegraphic (EOT) components
E5	CORE	Troubleshoot boiler electrical and electronic components
E5	CORE	Troubleshoot engine electrical and electronic components
E6	CORE	Troubleshoot precipitator components
E5	NON-CORE	Troubleshoot shaft speed sensing, indication, and Engine Order Telegraph (EOT) components

SAFETY

Paygrade	Task Type	Task Statements
E4	NON-CORE	Calibrate measurement instruments (e.g., gauges, switches, thermostats, etc.)
E4	CORE	Conduct electrical safety checks on personnel and portable electronic equipment
E7	CORE	Conduct preventive maintenance on shore power rigging and unrigging
E4	CORE	Conduct work on energized equipment
E4	CORE	Repair alarm system components
E5	CORE	Repair fire protection system electrical components
E5	CORE	Replace Arc Fault Detector (AFD) system components
E4	CORE	Replace electronic and electrical measurement instruments (e.g., meters, switches, thermostat, etc.)
E4	CORE	Replace fire protection system electrical and electronic components
E5	CORE	Supervise work on energized equipment
E4	CORE	Troubleshoot alarm system components
E5	CORE	Troubleshoot fire protection system electrical and electronic components

SMALL CRAFT

Paygrade	Task Type	Task Statements
E4	CORE	Repair small craft electrical distribution system components
E4	CORE	Repair small craft starter system components
E4	CORE	Replace small craft electrical distribution system components
E4	CORE	Replace small craft starter system components
E4	CORE	Troubleshoot small craft electrical distribution system components
E4	CORE	Troubleshoot small craft starter system components

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze technical manuals
E4	CORE	Complete wire removals and replacements form
E4	CORE	Conduct electrical checks on Master Light Off Checklist Sheet (MLOCS)
E5	CORE	Conduct electrical safety training
E6	CORE	Conduct tag-out training
E5	CORE	Conduct training on electrical and electronic fundamentals and components
E5	NON-CORE	Draft Quality Assurance (QA) repair forms
E4	CORE	Generate working drawings
E4	CORE	Process customer trouble-calls
E5	CORE	Train Repair Party Electricians (RPE)
E5	NON-CORE	Validate Quality Assurance (QA) repair forms

Job Title **Job Code**

Electrical Systems Maintainer 003699

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	ELECTRICAL SYSTEMS MAINTAINER	ELEC SYS MAINT

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EM	UXXX and 7XXX series and other NECs as assigned

Job Description

Electrical Systems Maintainers perform operations, corrective, and preventive maintenance on electrical distribution systems, motors and controllers, electrical generators, lighting systems, alarm and indicating systems, machinery vibration analysis equipment, other electrical and electronic control and support equipment, propulsion plant and auxiliary equipment and other equipment essential for the movement of Naval tactical forces; and interpret electrical schematics, diagrams and blueprints associated with those systems.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Electric Power	166200	Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094.00	Installation, Maintenance, and Repair

Skills	Abilities
Equipment Maintenance	*Finger Dexterity*
Reading Comprehension	*Visualization*
Repairing	*Selective Attention*
Systems Evaluation	*Written Comprehension*
Installation	*Control Precision*
Equipment Selection	*Information Ordering*
Systems Analysis	*Manual Dexterity*
Quality Control Analysis	*Written Expression*
Technology Design	*Deductive Reasoning*
Coordination	*Oral Expression*

AUXILIARY ELECTRICAL EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Adjust capstan electrical components
E4	CORE	Adjust electrical winch components
E5	CORE	Adjust electrically-operated valve components
E4	CORE	Adjust galley equipment electrical components
E4	CORE	Adjust scullery equipment electrical components
E5	CORE	Align degaussing system components
E4	CORE	Conduct preventive maintenance on air compressor electrical and electronic components
E4	CORE	Conduct preventive maintenance on air conditioning system electrical and electronic components
E4	CORE	Conduct preventive maintenance on battery service and support systems
E4	CORE	Conduct preventive maintenance on chilled water electrical and electronic components
E4	CORE	Conduct preventive maintenance on Collection, Holding, and Transfer (CHT) system electronic and electrical components
E5	CORE	Conduct preventive maintenance on degaussing system components
E4	NON-CORE	Conduct preventive maintenance on dehydrator electrical components
E4	CORE	Conduct preventive maintenance on electrically-operated valve components
E4	CORE	Conduct preventive maintenance on galley equipment electrical components

AUXILIARY ELECTRICAL EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Conduct preventive maintenance on laundry equipment electrical and electronic components
E4	CORE	Conduct preventive maintenance on mess deck equipment electrical components
E4	CORE	Conduct preventive maintenance on potable water system electrical components
E4	CORE	Conduct preventive maintenance on refrigeration system electrical components
E4	NON-CORE	Conduct preventive maintenance on salinity indicating system components
E4	CORE	Conduct preventive maintenance on scullery equipment electrical components
E4	CORE	Conduct preventive maintenance on ship's heating system electrical and electronic components
E5	CORE	Conduct preventive maintenance on steering control system electrical and electronic components
E4	CORE	Conduct preventive maintenance on storage batteries
E4	CORE	Conduct preventive maintenance on ventilation system electrical and electronic components
E4	CORE	Conduct preventive maintenance on waste management electrical and electronic components
E4	CORE	Conduct preventive maintenance on welding equipment electrical components
E5	CORE	Repair air compressor electrical components
E5	CORE	Repair air conditioning system electrical components
E5	CORE	Repair battery service and support system
E4	CORE	Repair chilled water electrical system components
E5	CORE	Repair Collection, Holding, and Transfer (CHT) system electrical components
E6	CORE	Repair degaussing system components
E5	NON-CORE	Repair dehydrator electrical components
E5	CORE	Repair electrically-operated valve components
E4	CORE	Repair galley equipment electrical components
E4	CORE	Repair laundry equipment electrical components
E4	CORE	Repair mess deck equipment electrical components
E4	CORE	Repair potable water system electrical components
E5	CORE	Repair refrigeration system electrical components
E4	NON-CORE	Repair salinity indicating system components
E4	CORE	Repair scullery equipment electrical components
E4	CORE	Repair ship's heating system electrical components
E5	CORE	Repair ship's steering control system electrical components
E5	CORE	Repair ventilation system electrical components
E4	CORE	Repair waste management electrical components
E4	CORE	Repair welding equipment electrical components
E5	CORE	Replace air compressor electrical and electronic components
E5	CORE	Replace air conditioning system electrical and electronic components
E5	CORE	Replace battery service and support system

AUXILIARY ELECTRICAL EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Replace capstan electrical components
E4	CORE	Replace chilled water electrical and electronic components
E5	CORE	Replace Collection, Holding, and Transfer (CHT) system electronic and electrical components
E4	CORE	Replace electrical winch components
E5	CORE	Replace electrically-operated valve components
E4	CORE	Replace galley equipment electrical components
E4	CORE	Replace laundry equipment electrical and electronic components
E4	CORE	Replace mess deck equipment electrical components
E4	CORE	Replace potable water system electrical components
E5	CORE	Replace refrigeration system electrical components
E4	NON-CORE	Replace salinity indicating system components
E4	CORE	Replace scullery equipment electrical components
E4	CORE	Replace ship's heating system electrical and electronic components
E5	CORE	Replace ship's steering control system electrical and electronic components
E5	CORE	Replace ventilation system electrical and electronic components
E4	CORE	Replace waste management electrical and electronic components
E4	CORE	Replace welding equipment electrical and electronic components
E5	CORE	Test electrically-operated valve components

ELECTRICAL INSTALLATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct preventive maintenance on grounding straps
E4	CORE	Disconnect electrical equipment
E4	CORE	Inspect cableways
E4	CORE	Install hardwired electrical equipment
E4	CORE	Install permanent cables
E4	CORE	Isolate damaged electrical equipment
E4	CORE	Remove dead-ended cables
E5	CORE	Repair damaged electrical equipment
E4	NON-CORE	Solder electrical leads to equipment

ELEVATORS AND CONVEYORS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct preventive maintenance on conveyor electrical and electronic components
E4	CORE	Conduct preventive maintenance on elevator and dumbwaiter electrical components
E5	CORE	Repair conveyor electrical components
E5	CORE	Repair elevator and dumbwaiter electrical components
E5	CORE	Replace conveyor electrical and electronic components
E5	CORE	Replace elevator and dumbwaiter electrical components

LIFTING EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Conduct preventive maintenance on capstan electrical components
E4	CORE	Conduct preventive maintenance on crane electrical and electronic components
E4	CORE	Conduct preventive maintenance on electrical winch components
E4	CORE	Conduct preventive maintenance on hoist electrical components
E4	CORE	Conduct preventive maintenance on windlass electrical components
E4	CORE	Repair capstan electrical components
E5	CORE	Repair crane electrical components
E4	CORE	Repair electrical winch components
E5	CORE	Repair hoist electrical components
E5	CORE	Repair windlass electrical components
E5	CORE	Replace crane electrical and electronic components
E5	CORE	Replace windlass electrical components

LIGHTING SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust flight deck lighting and landing aids system components
E4	CORE	Conduct preventive maintenance on flight deck lighting and landing aids system components
E4	CORE	Conduct preventive maintenance on general lighting system components
E4	CORE	Conduct preventive maintenance on navigation and signal lighting system components
E4	CORE	Repair flight deck lighting and landing aids system components
E4	CORE	Repair general lighting system components
E4	CORE	Repair navigation and signal lighting system components
E4	CORE	Replace flight deck lighting and landing aids system components
E4	CORE	Replace general lighting system components
E4	CORE	Replace navigation and signal lighting system components

MOTORS AND GENERATORS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct preventive maintenance on Alternating Current (AC) motors
E4	CORE	Conduct preventive maintenance on Direct Current (DC) generators
E4	CORE	Conduct preventive maintenance on Direct Current (DC) motors
E5	CORE	Conduct preventive maintenance on generator governor system electrical and electronic components
E5	CORE	Conduct preventive maintenance on Ship's Service Generator (SSG) electrical components
E5	CORE	Conduct preventive maintenance on static converter components
E5	CORE	Conduct preventive maintenance on static inverter components
E5	CORE	Repair Direct Current (DC) generators
E5	CORE	Repair Direct Current (DC) motors
E6	CORE	Repair generator governor system electrical components

MOTORS AND GENERATORS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Repair Ship's Service Generator (SSG) electrical components
E5	CORE	Repair static converter components
E5	CORE	Repair static inverter components
E4	CORE	Replace Alternating Current (AC) motors
E5	CORE	Replace Direct Current (DC) generators
E5	CORE	Replace Direct Current (DC) motors
E4	CORE	Replace motors bearings

NETWORKED LOGIC CONTROL SYSTEMS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct preventive maintenance on Machinery Control System (MCS) electrical and electronic components
E5	CORE	Conduct preventive maintenance on Programmable Logic Controllers (PLC)
E5	CORE	Repair digital and analog controls circuits
E5	NON-CORE	Repair Machinery Control System (MCS) electrical components
E5	CORE	Replace digital and analog controls circuits
E5	CORE	Test digital and analog controls circuits

POWER DISTRIBUTION

Paygrade	Task Type	Task Statements
E4	CORE	Conduct preventive maintenance on Arc Fault Detector (AFD) system components
E4	CORE	Conduct preventive maintenance on Automatic Bus Transfer (ABT) components
E4	CORE	Conduct preventive maintenance on casualty power system components
E4	CORE	Conduct preventive maintenance on Direct Current (DC) distribution circuits and components
E5	CORE	Conduct preventive maintenance on electrical distribution switchboard components
E4	CORE	Conduct preventive maintenance on electrical power monitoring systems
E4	CORE	Conduct preventive maintenance on magnetic controllers
E4	CORE	Conduct preventive maintenance on Manual Bus Transfer (MBT) components
E4	CORE	Conduct preventive maintenance on neutral bonded Alternating Current (AC) distribution circuits and components
E4	CORE	Conduct preventive maintenance on power distribution system components
E4	CORE	Conduct preventive maintenance on shore power components
E4	CORE	Conduct preventive maintenance on ungrounded Alternating Current (AC) distribution circuits and components
E4	CORE	Conduct preventive maintenance on Uninterruptable Power Supplies (UPS)
E4	CORE	Perform shore power rigging and unrigging
E5	CORE	Repair Arc Fault Detector (AFD) system components
E5	CORE	Repair Automatic Bus Transfer (ABT) components
E4	CORE	Repair casualty power system components
E4	CORE	Repair Direct Current (DC) distribution circuits and components
E5	CORE	Repair electrical distribution switchboard components

POWER DISTRIBUTION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Repair electrical power monitoring systems
E4	CORE	Repair magnetic controllers
E4	CORE	Repair Manual Bus Transfer (MBT) components
E4	CORE	Repair neutral bonded Alternating Current (AC) distribution circuits and components
E4	CORE	Repair power distribution system components
E4	CORE	Repair ungrounded Alternating Current (AC) distribution circuits and components
E5	CORE	Repair Uninterruptable Power Supplies (UPS)
E5	CORE	Replace Automatic Bus Transfer (ABT) components
E4	CORE	Replace casualty power system components
E4	CORE	Replace Direct Current (DC) distribution circuits and components
E4	CORE	Replace neutral bonded Alternating Current (AC) distribution circuits and components
E4	CORE	Replace ungrounded Alternating Current (AC) distribution circuits and components

PROPULSION

Paygrade	Task Type	Task Statements
E5	CORE	Conduct preventive maintenance on boiler electrical and electronic components
E4	CORE	Conduct preventive maintenance on engine electrical and electronic components
E5	NON-CORE	Conduct preventive maintenance on shaft speed sensing, indication, and Engine Order Telegraph (EOT) components
E6	CORE	Perform preventive maintenance on precipitator components
E5	CORE	Repair boiler electrical components
E5	CORE	Repair engine electrical components
E6	CORE	Repair precipitator components
E5	NON-CORE	Repair shaft speed sensing, indication, and Engine Order Telegraph (EOT) components

SAFETY

Paygrade	Task Type	Task Statements
E4	NON-CORE	Calibrate measurement instruments (e.g., gauges, switches, thermostats, etc.)
E4	CORE	Conduct electrical safety checks on personnel and portable electronic equipment
E4	CORE	Conduct preventive maintenance on alarm system components
E4	CORE	Conduct preventive maintenance on fire protection system electrical and electronic components
E7	CORE	Conduct preventive maintenance on shore power rigging and unrigging
E4	CORE	Conduct work on energized equipment
E4	NON-CORE	Perform preventive maintenance on measurement instruments (e.g., gauges, switches, thermostat, etc.)
E4	CORE	Repair alarm system components
E5	CORE	Repair fire protection system electrical components
E5	CORE	Replace Arc Fault Detector (AFD) system components
E4	CORE	Replace fire protection system electrical and electronic components

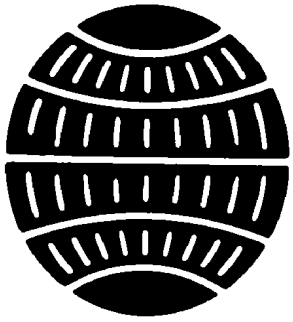
SMALL CRAFT

Paygrade	Task Type	Task Statements
E4	CORE	Conduct daily boat report for electrical components
E4	CORE	Conduct preventive maintenance on small craft electrical distribution system components
E4	CORE	Conduct preventive maintenance on small craft starter system components
E4	CORE	Repair small craft electrical distribution system components
E4	CORE	Repair small craft starter system components
E4	CORE	Replace small craft electrical distribution system components
E4	CORE	Replace small craft starter system components

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze technical manuals
E4	CORE	Complete wire removals and replacements form
E4	CORE	Conduct electrical checks on Master Light Off Checklist Sheet (MLOCS)
E5	CORE	Conduct electrical safety training
E5	CORE	Conduct training on electrical and electronic fundamentals and components
E5	NON-CORE	Draft Quality Assurance (QA) repair forms
E4	CORE	Generate working drawings
E4	CORE	Process customer trouble-calls

CHAPTER 29



ELECTRICIANS MATE, NUCLEAR POWER (EMN)

NAVPERS 18068F-29I
Change 107

Updated: July 2026

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NAVY ENLISTED OCCUPATIONAL STANDARDS

FOR

ELECTRICIANS MATE, NUCLEAR POWER (EMN)

SCOPE OF RATING

Electricians Mates, Nuclear Power (EMN) operate and control generators, switchboards, control equipment, and electrical equipment associated with reactor plants; operate and perform organizational and intermediate maintenance on power and lighting circuits, electrical fixtures, motors, generators, voltage and frequency regulators, controllers, distribution switchboards, and other electrical equipment; test for short circuits, grounds or other casualties; and repair and/or rebuild electrical equipment, including solid state circuitry and mechanical devices.

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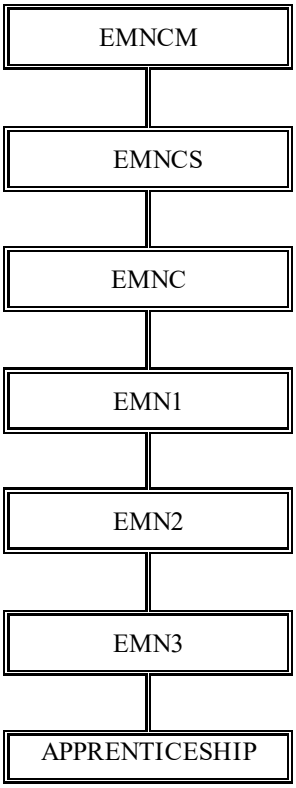
This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 29.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Submarine Propulsion Plant Electrical Operator 003777

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	SUB PROPULSION PLANT ELECT OP	SS PPE OP

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EMN	NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Submarine Propulsion Plant Electrical Operators perform operations and basic preventive and corrective maintenance on electrical distribution systems, motors and controllers, electrical generators, lighting systems, alarm and indicating systems, machinery vibration analysis equipment, throttle control systems, submarine main storage batteries, and other electrical and electronic support equipment; perform shutdown reactor plant operations; perform nuclear reactor, steam plant, and auxiliary equipment operations; and perform work critical to the movement of Naval tactical and strategic forces.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Nuclear Power	166100	Power Distributors and Dispatchers	51-8012.00	Production

Skills	Abilities
Quality Control Analysis	*Problem Sensitivity*
Equipment Maintenance	*Near Vision*
Operation Monitoring	*Finger Dexterity*
Management of Material Resources	*Deductive Reasoning*
Equipment Selection	*Arm-Hand Steadiness*
Complex Problem Solving	*Manual Dexterity*
Repairing	*Dynamic Flexibility*
Troubleshooting	*Information Ordering*
Systems Evaluation	*Control Precision*
Operation and Control	*Selective Attention*

CASUALTY CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Clean casualty power cables
E4	CORE	Correct battery abnormalities (e.g., high temperature, high voltage, loss of ventilation, etc.)
E4	CORE	Disconnect casualty power cables
E4	CORE	Inspect casualty power cables
E4	CORE	Install casualty power cables
E4	CORE	Isolate damaged electrical equipment
E4	CORE	Perform corrective actions to combat reactor plant casualties
E4	CORE	Supply propulsion using Emergency Propulsion Motor (EPM)/Emergency Propulsion Turning Gear (EPTG) (e.g., shift propulsion, start EPM electrically, etc.)
E4	CORE	Supply propulsion using Secondary Propulsion Motor (SPM)
E4	CORE	Test casualty power cables

CIRCUIT BREAKERS

Paygrade	Task Type	Task Statements
E5	CORE	Clean circuit breakers (e.g., auxiliary contacts, contact surfaces, operating mechanisms, wiring, connections, etc.)
E5	CORE	Inspect circuit breakers (e.g., auxiliary contacts, contact surfaces, operating mechanisms, wiring, connections, etc.)

CIRCUIT BREAKERS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Repair circuit breakers (e.g., auxiliary contacts, contact surfaces, operating mechanisms, wiring, connections, etc.)
E5	CORE	Test circuit breakers (e.g., auxiliary contacts, contact surfaces, operating mechanisms, wiring, connections, etc.)
E5	CORE	Troubleshoot circuit breakers (e.g., manual, remote-operated, motor-operated, etc.)

ELECTRICAL CONTROL EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Adjust Alternating Current (AC) motor controllers (e.g., operating set points, limits, standby features, etc.)
E4	CORE	Adjust control panel components (e.g., interlocks, operating mechanisms, operating or alarm set points and limits, etc.)
E4	CORE	Adjust hotwell level control system set points
E4	CORE	Adjust salinity indicating system set points
E4	CORE	Adjust temperature monitoring system set points
E5	CORE	Adjust throttle control electrical systems
E4	CORE	Adjust ventilation electrical components (e.g. fans, heater, temperature sensor, proportional controller, etc.)
E4	CORE	Analyze salinity system data
E5	NON-CORE	Calibrate electrical meters
E4	CORE	Clean Alternating Current (AC) motor controllers (e.g., contactor, wiring, relays, etc.)
E4	CORE	Clean Arc Fault Detector (AFD) components
E5	CORE	Clean Direct Current (DC) motor controllers (e.g., contactor, wiring, relays, etc.)
E4	CORE	Clean electrical panel components and interiors (e.g., alarm and indicating panels, control panels, remote control stations, etc.)
E4	CORE	Clean electrically-operated valve components
E4	CORE	Clean Electrostatic Precipitators (ESP)/Vent Fog Precipitator (VFP) systems
E4	CORE	Clean galley equipment electrical components
E4	CORE	Clean hotwell level control system components
E4	CORE	Clean Interior Communications (IC) systems
E4	CORE	Clean laundry equipment
E4	CORE	Clean Programmable Logic Controllers (PLC)
E4	CORE	Clean salinity cells and indicating panels
E4	CORE	Clean shaft speed sensing, indication, and Engine Order Telegraph (EOT) components
E4	CORE	Clean temperature monitoring panels
E4	CORE	Clean throttle control electrical systems
E4	CORE	Clean ventilation electrical components (e.g. fans, heater, temperature sensor, proportional controller, etc.)
E4	CORE	Collect machinery and hull vibration data

ELECTRICAL CONTROL EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Collect salinity system data
E4	CORE	Inspect Alternating Current (AC) motor controllers (e.g., contactor, wiring, relays, etc.)
E4	CORE	Inspect Arc Fault Detector (AFD) components
E4	CORE	Inspect electrical panel components and interiors (e.g., alarm and indicating panels, control panels, remote control stations, etc.)
E4	CORE	Inspect electrically-operated valve components
E4	CORE	Inspect Electrostatic Precipitators (ESP)/Vent Fog Precipitator (VFP) systems
E4	CORE	Inspect galley equipment electrical components
E4	CORE	Inspect hotwell level control systems
E4	CORE	Inspect Interior Communications (IC) systems
E4	CORE	Inspect laundry equipment
E4	CORE	Inspect Programmable Logic Controllers (PLC)
E4	CORE	Inspect salinity indicating systems
E4	CORE	Inspect shaft speed sensing, indication, and Engine Order Telegraph (EOT) components
E4	CORE	Inspect temperature monitoring systems
E4	CORE	Inspect throttle control electrical systems
E4	CORE	Inspect ventilation electrical components (e.g. fans, heater, temperature sensor, proportional controller, etc.)
E5	CORE	Repair Alternating Current (AC) motor controllers (e.g., contactor, wiring, relays, etc.)
E5	CORE	Repair Arc Fault Detector (AFD) components
E4	CORE	Repair electrical panel components and interiors (e.g., alarm and indicating panels, control panels, remote control stations, etc.)
E5	CORE	Repair electrically-operated valve components
E5	CORE	Repair Electrostatic Precipitators (ESP)/Vent Fog Precipitator (VFP) systems
E5	CORE	Repair galley equipment
E5	CORE	Repair hotwell level control systems
E5	CORE	Repair Interior Communications (IC) systems
E4	CORE	Repair laundry equipment
E5	CORE	Repair salinity indicating systems
E5	CORE	Repair shaft speed sensing, indication, and Engine Order Telegraph (EOT) components
E5	CORE	Repair temperature monitoring systems
E5	CORE	Repair throttle control electrical systems
E5	CORE	Repair ventilation electrical components (e.g. fans, heater, temperature sensor, proportional controller, etc.)
E5	CORE	Replace Programmable Logic Controllers (PLC)

ELECTRICAL CONTROL EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Test Electrostatic Precipitators (ESP)/Vent Fog Precipitator (VFP) systems
E4	CORE	Test Alternating Current (AC) motor controllers (e.g., contactor, wiring, relays, etc.)
E4	CORE	Test Arc Fault Detector (AFD) components
E4	CORE	Test electrical panel components and interiors (e.g., alarm and indicating panels, control panels, remote control stations, etc.)
E4	CORE	Test electrically-operated valve components
E4	CORE	Test galley equipment
E4	CORE	Test hotwell level control systems
E4	CORE	Test Interior Communications (IC) systems
E4	CORE	Test laundry equipment
E4	CORE	Test Programmable Logic Controllers (PLC)
E4	CORE	Test salinity indicating systems
E4	CORE	Test shaft speed sensing, indication, and Engine Order Telegraph (EOT) components
E4	CORE	Test temperature monitoring systems
E4	CORE	Test throttle control electrical systems
E4	CORE	Test ventilation electrical components (e.g. fans, heater, temperature sensor, proportional controller, etc.)
E5	CORE	Troubleshoot Alternating Current (AC) motor controllers (e.g., contactor, wiring, relays, etc.)
E5	CORE	Troubleshoot Arc Fault Detector (AFD) components
E5	CORE	Troubleshoot electrical panel components and interiors (e.g., alarm and indicating panels, control panels, remote control stations, etc.)
E5	CORE	Troubleshoot electrically-operated valve components
E5	CORE	Troubleshoot Electrostatic Precipitators (ESP)/Vent Fog Precipitator (VFP) systems
E5	CORE	Troubleshoot galley equipment
E5	CORE	Troubleshoot hotwell level control systems
E5	CORE	Troubleshoot Interior Communications (IC) systems
E4	CORE	Troubleshoot laundry equipment
E5	CORE	Troubleshoot Programmable Logic Controllers (PLC)
E5	CORE	Troubleshoot salinity indicating systems
E5	CORE	Troubleshoot shaft speed sensing, indication, and Engine Order Telegraph (EOT) components
E5	CORE	Troubleshoot temperature monitoring systems
E5	CORE	Troubleshoot throttle control electrical systems
E5	CORE	Troubleshoot ventilation electrical components (e.g. fans, heater, temperature sensor, proportional controller, etc.)

ELECTRICAL INSTALLATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Clean grounding straps
E4	CORE	Clean permanent cables
E4	CORE	Clean shore power hardware
E4	CORE	Disconnect permanent cables
E4	CORE	Disconnect shore power cables
E4	CORE	Inspect grounding straps
E4	CORE	Inspect permanent cables
E4	CORE	Inspect shore power cables
E4	CORE	Inspect shore power hardware
E4	CORE	Install permanent cables
E4	CORE	Install shore power cables
E5	CORE	Install submarine battery cell jumpers
E4	CORE	Repair permanent cables
E4	CORE	Replace grounding straps
E4	NON-CORE	Solder basic electrical connections
E4	CORE	Test grounding straps
E4	CORE	Test permanent cables
E4	CORE	Test shore power cables
E4	CORE	Test shore power hardware

MOTORS AND GENERATORS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust emergency propulsion systems
E4	CORE	Clean Alternating Current (AC) generators
E4	CORE	Clean Alternating Current (AC) motor components
E4	CORE	Clean Direct Current (DC) generators
E4	CORE	Clean Direct Current (DC) motor components
E5	CORE	Clean emergency propulsion systems
E4	CORE	Clean generator governor electrical components
E4	CORE	Clean motor generators
E5	CORE	Inspect Alternating Current (AC) generators
E5	CORE	Inspect Alternating Current (AC) motor components
E5	CORE	Inspect Direct Current (DC) generators
E5	CORE	Inspect Direct Current (DC) motor components
E5	CORE	Inspect emergency propulsion systems
E5	CORE	Inspect generator governor electrical components
E5	CORE	Inspect motor generators
E4	CORE	Lubricate Alternating Current (AC) motor components

MOTORS AND GENERATORS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Lubricate Direct Current (DC) motor components
E4	CORE	Lubricate motor generators
E5	CORE	Repair Alternating Current (AC) generators
E5	CORE	Repair Alternating Current (AC) motor components
E5	CORE	Repair Direct Current (DC) generators
E5	CORE	Repair Direct Current (DC) motor components
E5	CORE	Repair emergency propulsion systems
E5	CORE	Repair generator governor electrical components
E5	CORE	Repair motor generators
E4	CORE	Test Alternating Current (AC) generators
E4	CORE	Test Alternating Current (AC) motor components
E4	CORE	Test Direct Current (DC) generators
E4	CORE	Test Direct Current (DC) motor components
E4	CORE	Test emergency propulsion systems
E4	CORE	Test generator governor electrical components
E5	CORE	Test motor generators
E5	CORE	Troubleshoot Alternating Current (AC) generators
E5	CORE	Troubleshoot Alternating Current (AC) motor components
E5	CORE	Troubleshoot Direct Current (DC) generators
E5	CORE	Troubleshoot Direct Current (DC) motor components
E5	CORE	Troubleshoot emergency propulsion systems
E5	CORE	Troubleshoot generator governor electrical components
E5	CORE	Troubleshoot motor generators

POWER DISTRIBUTION

Paygrade	Task Type	Task Statements
E4	CORE	Adjust submarine battery and support systems
E4	CORE	Analyze electric plant trends
E4	CORE	Clean bus transfer devices (Automatic Bus Transfer (ABT), Automatic Static Bus Transfer (SABT), and Manual Bus Transfer (MBT))
E4	CORE	Clean high voltage systems (i.e., greater than 700 Volts)
E4	CORE	Clean lighting system components
E4	CORE	Clean submarine battery and support systems
E4	CORE	Clean switchboard components
E4	CORE	Inspect bus transfer devices (Automatic Bus Transfer (ABT), Automatic Static Bus Transfer (SABT), and Manual Bus Transfer (MBT))
E4	CORE	Inspect high voltage systems (i.e., greater than 700 Volts)
E4	CORE	Inspect lighting system components
E4	CORE	Inspect submarine battery and support systems

POWER DISTRIBUTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Inspect submarine battery cell jumpers
E4	CORE	Inspect switchboard components
E4	CORE	Perform electrical ground checks
E4	CORE	Perform routine battery operations (e.g., normal charge, equalizing charge, test discharge, etc.)
E5	CORE	Repair bus transfer devices (Automatic Bus Transfer (ABT), Automatic Static Bus Transfer (SABT), and Manual Bus Transfer (MBT))
E5	CORE	Repair high voltage systems (i.e., greater than 700 Volts)
E4	CORE	Repair lighting system components
E4	CORE	Shift electric plant lineups from normal and alternate control stations (e.g., Auxiliary Electric Plant Control Panel (AEPCP), Electric Plant Control Panel (EPCP), Emergency Switchboard Local Control Station (ESLCS), etc.)
E4	CORE	Test bus transfer devices (i.e., Automatic Bus Transfer (ABT), Automatic Static Bus Transfer (SABT), and Manual Bus Transfer (MBT))
E4	CORE	Test high voltage systems (i.e., greater than 700 Volts)
E4	CORE	Test lighting system components
E4	CORE	Test submarine battery and support systems
E4	CORE	Test switchboards
E5	CORE	Troubleshoot bus transfer devices (i.e., Automatic Bus Transfer (ABT), Automatic Static Bus Transfer (SABT), and Manual Bus Transfer (MBT))
E4	CORE	Troubleshoot lighting system components
E5	CORE	Troubleshoot submarine battery and support systems
E5	CORE	Troubleshoot switchboard components

REACTOR PLANT EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Analyze pressure and temperature parameter trends
E5	CORE	Analyze shutdown reactor plant trends
E4	CORE	Grant access to Radiological Controlled Areas (RCA)
E4	CORE	Inspect discharge boundary valve positions
E4	CORE	Inspect reactor compartment
E4	CORE	Line up reactor plant valves
E4	CORE	Perform main engine throttle operations
E4	CORE	Survey Radiological Controlled Areas (RCA)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Complete checklists for remote operability of key reactor plant valves
E5	CORE	Manage battery program
E4	CORE	Store collected plant parameter data

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Tag out reactor plant components (e.g., instrumentation and control, mechanical, and electrical system, etc.)
E4	CORE	Update Radiological Controlled Area (RCA) records
E4	CORE	Verify containment requirements

Job Title **Job Code**

Surface Propulsion Plant Electrical Operator 003778

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	SUR PROPULSION PLANT ELECT OP	SW PPE OP

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EMN	NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Surface Propulsion Plant Electrical Operators perform operations and basic preventive and corrective maintenance of electrical distribution systems, motors and controllers, electrical generators, lighting systems, alarm and indicating systems, machinery vibration analysis equipment, throttle control systems, and other electrical and electronic support equipment; perform shutdown reactor plant operations; perform nuclear reactor, steam plant, and auxiliary equipment operations; and perform work critical for movement of Naval tactical and strategic forces.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Nuclear Power	166100	Power Distributors and Dispatchers	51-8012.00	Production

Skills	Abilities
Quality Control Analysis	*Problem Sensitivity*
Equipment Maintenance	*Near Vision*
Operation Monitoring	*Finger Dexterity*
Management of Material Resources	*Deductive Reasoning*
Equipment Selection	*Manual Dexterity*
Repairing	*Arm-Hand Steadiness*
Complex Problem Solving	*Dynamic Flexibility*
Troubleshooting	*Information Ordering*
Systems Evaluation	*Selective Attention*
Operation and Control	*Trunk Strength*

CASUALTY CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Clean casualty power cables
E4	CORE	Disconnect casualty power cables
E4	CORE	Inspect casualty power cables
E4	CORE	Install casualty power cables
E4	CORE	Isolate damaged electrical equipment
E4	CORE	Perform corrective actions to combat reactor plant casualties
E4	CORE	Test casualty power cables

CIRCUIT BREAKERS

Paygrade	Task Type	Task Statements
E5	CORE	Clean circuit breakers (e.g., auxiliary contacts, contact surfaces, operating mechanisms, wiring, connections, etc.)
E5	CORE	Inspect circuit breakers (e.g., auxiliary contacts, contact surfaces, operating mechanisms, wiring, connections, etc.)
E5	CORE	Repair circuit breakers (e.g., auxiliary contacts, contact surfaces, operating mechanisms, wiring, connections, etc.)
E5	CORE	Test circuit breakers (e.g., auxiliary contacts, contact surfaces, operating mechanisms, wiring, connections, etc.)
E5	CORE	Troubleshoot circuit breakers (e.g., manual, remote-operated, motor-operated, etc.)

ELECTRICAL CONTROL EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Adjust Alternating Current (AC) motor controllers (e.g., operating set points, limits, standby features, etc.)
E4	CORE	Adjust control panel components (e.g., interlocks, operating mechanisms, operating or alarm set points and limits, etc.)
E4	CORE	Adjust hotwell level control system set points
E4	CORE	Adjust salinity indicating system set points
E4	CORE	Adjust temperature monitoring system set points
E4	CORE	Adjust ventilation electrical components (e.g. fans, heater, temperature sensor, proportional controller, etc.)
E4	CORE	Analyze salinity system data
E5	NON-CORE	Calibrate electrical meters
E4	CORE	Clean Alternating Current (AC) motor controllers (e.g., contactor, wiring, relays, etc.)
E4	CORE	Clean Arc Fault Detector (AFD) components
E4	CORE	Clean electrical panel components and interiors (e.g., alarm and indicating panels, control panels, remote control stations, etc.)
E4	CORE	Clean electrically-operated valve components
E4	CORE	Clean Electrostatic Precipitators (ESP)/Vent Fog Precipitator (VFP) systems
E4	CORE	Clean hotwell level control system components
E4	CORE	Clean Interior Communications (IC) systems
E4	CORE	Clean Programmable Logic Controllers (PLC)
E4	CORE	Clean salinity cells and indicating panels
E4	CORE	Clean shaft speed sensing, indication, and Engine Order Telegraph (EOT) components
E4	CORE	Clean temperature monitoring panels
E4	CORE	Clean throttle control electrical systems
E4	CORE	Clean ventilation electrical components (e.g. fans, heater, temperature sensor, proportional controller, etc.)
E4	CORE	Collect machinery and hull vibration data
E4	CORE	Collect salinity system data
E4	CORE	Inspect Alternating Current (AC) motor controllers (e.g., contactor, wiring, relays, etc.)
E4	CORE	Inspect Arc Fault Detector (AFD) components
E4	CORE	Inspect electrical panel components and interiors (e.g., alarm and indicating panels, control panels, remote control stations, etc.)
E4	CORE	Inspect electrically-operated valve components
E4	CORE	Inspect Electrostatic Precipitators (ESP)/Vent Fog Precipitator (VFP) systems
E4	CORE	Inspect hotwell level control systems

ELECTRICAL CONTROL EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Inspect Interior Communications (IC) systems
E4	CORE	Inspect Programmable Logic Controllers (PLC)
E4	CORE	Inspect salinity indicating systems
E4	CORE	Inspect shaft speed sensing, indication, and Engine Order Telegraph (EOT) components
E4	CORE	Inspect temperature monitoring systems
E4	CORE	Inspect throttle control electrical systems
E4	CORE	Inspect ventilation electrical components (e.g. fans, heater, temperature sensor, proportional controller, etc.)
E5	CORE	Repair Alternating Current (AC) motor controllers (e.g., contactor, wiring, relays, etc.)
E5	CORE	Repair Arc Fault Detector (AFD) components
E4	CORE	Repair electrical panel components and interiors (e.g., alarm and indicating panels, control panels, remote control stations, etc.)
E5	CORE	Repair electrically-operated valve components
E5	CORE	Repair Electrostatic Precipitators (ESP)/Vent Fog Precipitator (VFP) systems
E5	CORE	Repair hotwell level control systems
E5	CORE	Repair Interior Communications (IC) systems
E5	CORE	Repair salinity indicating systems
E5	CORE	Repair shaft speed sensing, indication, and Engine Order Telegraph (EOT) components
E5	CORE	Repair temperature monitoring systems
E5	CORE	Repair throttle control electrical systems
E5	CORE	Repair ventilation electrical components (e.g. fans, heater, temperature sensor, proportional controller, etc.)
E5	CORE	Replace Programmable Logic Controllers (PLC)
E5	CORE	Test Electrostatic Precipitators (ESP)/Vent Fog Precipitator (VFP) systems
E4	CORE	Test Alternating Current (AC) motor controllers (e.g., contactor, wiring, relays, etc.)
E4	CORE	Test Arc Fault Detector (AFD) components
E4	CORE	Test electrical panel components and interiors (e.g., alarm and indicating panels, control panels, remote control stations, etc.)
E4	CORE	Test electrically-operated valve components
E4	CORE	Test hotwell level control systems
E4	CORE	Test Interior Communications (IC) systems
E4	CORE	Test Programmable Logic Controllers (PLC)
E4	CORE	Test salinity indicating systems
E4	CORE	Test shaft speed sensing, indication, and Engine Order Telegraph (EOT) components

ELECTRICAL CONTROL EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test temperature monitoring systems
E4	CORE	Test throttle control electrical systems
E4	CORE	Test ventilation electrical components (e.g. fans, heater, temperature sensor, proportional controller, etc.)
E5	CORE	Troubleshoot Alternating Current (AC) motor controllers (e.g., contactor, wiring, relays, etc.)
E5	CORE	Troubleshoot electrical panel components and interiors (e.g., alarm and indicating panels, control panels, remote control stations, etc.)
E5	CORE	Troubleshoot electrically-operated valve components
E5	CORE	Troubleshoot Electrostatic Precipitators (ESP)/Vent Fog Precipitator (VFP) systems
E5	CORE	Troubleshoot hotwell level control systems
E5	CORE	Troubleshoot Interior Communications (IC) systems
E5	CORE	Troubleshoot Programmable Logic Controllers (PLC)
E5	CORE	Troubleshoot salinity indicating systems
E5	CORE	Troubleshoot shaft speed sensing, indication, and Engine Order Telegraph (EOT) components
E5	CORE	Troubleshoot temperature monitoring systems
E5	CORE	Troubleshoot ventilation electrical components (e.g. fans, heater, temperature sensor, proportional controller, etc.)

ELECTRICAL INSTALLATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Clean grounding straps
E4	CORE	Clean permanent cables
E4	CORE	Clean shore power hardware
E4	CORE	Disconnect permanent cables
E4	CORE	Disconnect shore power cables
E4	CORE	Inspect grounding straps
E4	CORE	Inspect permanent cables
E4	CORE	Inspect shore power cables
E4	CORE	Install permanent cables
E4	CORE	Install shore power cables
E4	CORE	Repair permanent cables
E4	CORE	Replace grounding straps
E4	NON-CORE	Solder basic electrical connections
E4	CORE	Test grounding straps
E4	CORE	Test permanent cables
E4	CORE	Test shore power cables
E4	CORE	Test shore power hardware

MOTORS AND GENERATORS

Paygrade	Task Type	Task Statements
E4	CORE	Clean Alternating Current (AC) generators
E4	CORE	Clean Alternating Current (AC) motor components
E4	CORE	Clean generator governor electrical components
E4	CORE	Clean motor generators
E5	CORE	Inspect Alternating Current (AC) generators
E5	CORE	Inspect Alternating Current (AC) motor components
E5	CORE	Inspect generator governor electrical components
E5	CORE	Inspect motor generators
E4	CORE	Lubricate Alternating Current (AC) motor components
E4	CORE	Lubricate motor generators
E5	CORE	Repair Alternating Current (AC) generators
E5	CORE	Repair Alternating Current (AC) motor components
E5	CORE	Repair generator governor electrical components
E4	CORE	Test Alternating Current (AC) generators
E4	CORE	Test Alternating Current (AC) motor components
E4	CORE	Test generator governor electrical components
E5	CORE	Troubleshoot Alternating Current (AC) generators
E5	CORE	Troubleshoot Alternating Current (AC) motor components
E5	CORE	Troubleshoot generator governor electrical components

POWER DISTRIBUTION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze electric plant trends
E4	CORE	Clean bus transfer devices (Automatic Bus Transfer (ABT), Automatic Static Bus Transfer (SABT), and Manual Bus Transfer (MBT))
E4	CORE	Clean high voltage systems (i.e., greater than 700 Volts)
E4	CORE	Clean lighting system components
E4	CORE	Clean switchboard components
E4	CORE	Inspect bus transfer devices (Automatic Bus Transfer (ABT), Automatic Static Bus Transfer (SABT), and Manual Bus Transfer (MBT))
E4	CORE	Inspect lighting system components
E4	CORE	Inspect switchboard components
E4	CORE	Perform electrical ground checks
E5	CORE	Repair bus transfer devices (Automatic Bus Transfer (ABT), Automatic Static Bus Transfer (SABT), and Manual Bus Transfer (MBT))
E4	CORE	Repair lighting system components
E4	CORE	Shift electric plant lineups from normal and alternate control stations (e.g., Auxiliary Electric Plant Control Panel (AEPCP), Electric Plant Control Panel (EPCP), Emergency Switchboard Local Control Station (ESLCS), etc.)

POWER DISTRIBUTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test bus transfer devices (i.e., Automatic Bus Transfer (ABT), Automatic Static Bus Transfer (SABT), and Manual Bus Transfer (MBT))
E4	CORE	Test lighting system components
E4	CORE	Test switchboards
E5	CORE	Troubleshoot bus transfer devices (i.e., Automatic Bus Transfer (ABT), Automatic Static Bus Transfer (SABT), and Manual Bus Transfer (MBT))
E4	CORE	Troubleshoot lighting system components
E5	CORE	Troubleshoot switchboard components

REACTOR PLANT EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Analyze pressure and temperature parameter trends
E5	CORE	Analyze shutdown reactor plant trends
E4	CORE	Grant access to Radiological Controlled Areas (RCA)
E4	CORE	Inspect reactor compartment
E4	CORE	Line up reactor plant valves
E4	NON-CORE	Manage Propulsion Plant Local Area Network (PPLAN) network settings
E4	CORE	Perform main engine throttle operations
E4	CORE	Survey Radiological Controlled Areas (RCA)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Complete checklists for remote operability of key reactor plant valves
E4	CORE	Store collected plant parameter data
E5	CORE	Tag out reactor plant components (e.g., instrumentation and control, mechanical, and electrical system, etc.)
E4	CORE	Update Radiological Controlled Area (RCA) records

Job Title **Job Code**

Submarine Propulsion Plant Electrical Supervisor 003785

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	SUB PROPULSION PLANT ELECT SUP	SS PPE SUP

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EMN	NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Submarine Propulsion Plant Electrical Supervisors perform advanced electrical distribution operations and apply advanced level maintenance practices to electrical distribution systems and electrical generators; develop electrical division administrative programs; supervise operations and training; repair and maintain equipment; train personnel; perform risk management; and supervise work critical to the movement of Naval tactical and strategic forces.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Nuclear Power	166100	First-line Supervisors of Production and Operating Workers	51-1011.00	Production

Skills	Abilities
Quality Control Analysis	*Problem Sensitivity*
Complex Problem Solving	*Deductive Reasoning*
Troubleshooting	*Near Vision*
Equipment Selection	*Finger Dexterity*
Operation Monitoring	*Arm-Hand Steadiness*
Repairing	*Information Ordering*
Equipment Maintenance	*Oral Expression*
Operation and Control	*Selective Attention*
Systems Analysis	*Written Comprehension*
Systems Evaluation	*Manual Dexterity*

CASUALTY CONTROL

Paygrade	Task Type	Task Statements
E6	CORE	Direct shutdown watch section casualty operations
E4	CORE	Perform corrective actions to combat reactor plant casualties
E6	CORE	Supervise casualty electrical distribution operations
E7	CORE	Supervise casualty power system operations

CIRCUIT BREAKERS

Paygrade	Task Type	Task Statements
E5	CORE	Adjust circuit breaker (e.g., auxiliary contacts, contact surfaces, operating mechanisms, wiring, connections, etc.)
E5	CORE	Repair circuit breakers (e.g., auxiliary contacts, contact surfaces, operating mechanisms, wiring, connections, etc.)
E5	CORE	Test circuit breakers (e.g., auxiliary contacts, contact surfaces, operating mechanisms, wiring, connections, etc.)
E5	CORE	Troubleshoot circuit breakers (e.g., manual, remote-operated, motor-operated, etc.)

ELECTRICAL CONTROL EQUIPMENT

Paygrade	Task Type	Task Statements
E5	CORE	Adjust Direct Current (DC) motor controllers (e.g., operating set points and limits, standby features, etc.)
E5	CORE	Adjust throttle control electrical systems
E5	NON-CORE	Calibrate electrical meters

ELECTRICAL CONTROL EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Inspect Direct Current (DC) motor controllers (e.g., contactor, wiring, relays, etc.)
E7	CORE	Perform close-out inspections of electrical equipment
E5	CORE	Repair Arc Fault Detector (AFD) components
E5	CORE	Repair Direct Current (DC) motor controllers (e.g., contactor, wiring, relays, etc.)
E5	CORE	Repair ventilation electrical components (e.g. fans, heater, temperature sensor, proportional controller, etc.)
E5	CORE	Test Direct Current (DC) motor controllers (e.g., contactor, wiring, relays, etc.)
E5	CORE	Troubleshoot Arc Fault Detector (AFD) components
E5	CORE	Troubleshoot Direct Current (DC) motor controllers (e.g., contactor, wiring, relays, etc.)
E5	CORE	Troubleshoot electrical panel components and interiors (e.g., alarm and indicating panels, control panels, remote control stations, etc.)
E5	CORE	Troubleshoot electrically-operated valve components
E5	CORE	Troubleshoot hotwell level control systems
E5	CORE	Troubleshoot Programmable Logic Controllers (PLC)
E5	CORE	Troubleshoot throttle control electrical systems
E5	CORE	Troubleshoot ventilation electrical components (e.g. fans, heater, temperature sensor, proportional controller, etc.)

ELECTRICAL INSTALLATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Disconnect permanent cables
E4	CORE	Inspect permanent cables
E5	CORE	Install submarine battery cell jumpers
E4	CORE	Repair permanent cables
E4	CORE	Test permanent cables
E4	CORE	Test shore power hardware

MOTORS AND GENERATORS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust emergency propulsion systems
E5	CORE	Inspect Alternating Current (AC) generators
E5	CORE	Inspect Direct Current (DC) generators
E5	CORE	Inspect Direct Current (DC) motor components
E5	CORE	Inspect motor generators
E4	CORE	Lubricate motor generators
E5	CORE	Repair Alternating Current (AC) generators
E5	CORE	Repair Alternating Current (AC) motor components
E5	CORE	Repair Direct Current (DC) generators
E5	CORE	Repair Direct Current (DC) motor components

MOTORS AND GENERATORS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Repair generator governor electrical components
E5	CORE	Repair motor generators
E5	CORE	Test motor generators
E5	CORE	Troubleshoot Alternating Current (AC) generators
E5	CORE	Troubleshoot Alternating Current (AC) motor components
E5	CORE	Troubleshoot Direct Current (DC) generators
E5	CORE	Troubleshoot Direct Current (DC) motor components
E5	CORE	Troubleshoot emergency propulsion systems
E5	CORE	Troubleshoot generator governor electrical components
E5	CORE	Troubleshoot motor generators

POWER DISTRIBUTION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze electric plant trends
E4	CORE	Inspect high voltage systems (i.e., greater than 700 Volts)
E4	CORE	Perform routine battery operations (e.g., normal charge, equalizing charge, test discharge, etc.)
E5	CORE	Repair bus transfer devices (Automatic Bus Transfer (ABT), Automatic Static Bus Transfer (SABT), and Manual Bus Transfer (MBT))
E5	CORE	Repair high voltage systems (i.e., greater than 700 Volts)
E5	CORE	Repair switchboard components
E4	CORE	Shift electric plant lineups from normal and alternate control stations (e.g., Auxiliary Electric Plant Control Panel (AEPCP), Electric Plant Control Panel (EPCP), Emergency Switchboard Local Control Station (ESLCS), etc.)
E7	CORE	Supervise high voltage electrical safety work (i.e., greater than 700 volts)
E4	CORE	Test high voltage systems (i.e., greater than 700 Volts)
E4	CORE	Test submarine battery and support systems
E4	CORE	Test switchboards
E5	CORE	Troubleshoot bus transfer devices (i.e., Automatic Bus Transfer (ABT), Automatic Static Bus Transfer (SABT), and Manual Bus Transfer (MBT))
E5	CORE	Troubleshoot high voltage systems (i.e., greater than 700 Volts)
E5	CORE	Troubleshoot submarine battery and support systems
E5	CORE	Troubleshoot switchboard components

REACTOR PLANT EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Analyze pressure and temperature parameter trends
E5	CORE	Analyze shutdown reactor plant trends
E6	CORE	Control maintenance on systems affecting remote operability
E4	CORE	Inspect reactor compartment

REACTOR PLANT EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Line up reactor plant valves
E6	CORE	Verify conditions established for prevention of inadvertent discharges

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze machinery vibration data for validity
E6	CORE	Audit division records (e.g., electrical, mechanical, material history, etc.)
E5	CORE	Complete checklists for remote operability of key reactor plant valves
E5	CORE	Manage battery program
E6	CORE	Supervise division maintenance operations (e.g., electrical, mechanical, reactor control, etc.)
E5	CORE	Tag out reactor plant components (e.g., instrumentation and control, mechanical, and electrical system, etc.)
E4	CORE	Verify containment requirements

Job Title **Job Code**

Surface Propulsion Plant Electrical Supervisor 003786

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	SUR PROPULSION PLANT ELECT SUP	SW PPE SUP

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EMN	NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Surface Propulsion Plant Electrical Supervisors perform advanced electrical distribution operations and apply advanced level maintenance practices to electrical distribution systems and electrical generators; develop electrical division administrative programs; supervise operations and training; repair and maintain equipment; perform risk management; and supervise work critical for movement of Naval tactical and command forces.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Nuclear Power	166100	First-line Supervisors of Production and Operating Workers	51-1011.00	Production

Skills	Abilities
Quality Control Analysis	*Problem Sensitivity*
Complex Problem Solving	*Deductive Reasoning*
Troubleshooting	*Near Vision*
Equipment Selection	*Finger Dexterity*
Operation Monitoring	*Information Ordering*
Repairing	*Oral Expression*
Equipment Maintenance	*Selective Attention*
Operation and Control	*Arm-Hand Steadiness*
Systems Analysis	*Manual Dexterity*
Management of Personnel Resources	*Speed of Closure*

CASUALTY CONTROL

Paygrade	Task Type	Task Statements
E6	CORE	Direct shutdown watch section casualty operations
E4	CORE	Perform corrective actions to combat reactor plant casualties
E6	CORE	Supervise casualty electrical distribution operations

CIRCUIT BREAKERS

Paygrade	Task Type	Task Statements
E5	CORE	Adjust circuit breaker (e.g., auxiliary contacts, contact surfaces, operating mechanisms, wiring, connections, etc.)
E5	CORE	Repair circuit breakers (e.g., auxiliary contacts, contact surfaces, operating mechanisms, wiring, connections, etc.)
E5	CORE	Test circuit breakers (e.g., auxiliary contacts, contact surfaces, operating mechanisms, wiring, connections, etc.)
E5	CORE	Troubleshoot circuit breakers (e.g., manual, remote-operated, motor-operated, etc.)

ELECTRICAL CONTROL EQUIPMENT

Paygrade	Task Type	Task Statements
E5	CORE	Adjust throttle control electrical systems
E5	NON-CORE	Calibrate electrical meters
E7	CORE	Perform close-out inspections of electrical equipment
E5	CORE	Repair Arc Fault Detector (AFD) components

ELECTRICAL CONTROL EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Repair ventilation electrical components (e.g. fans, heater, temperature sensor, proportional controller, etc.)
E5	CORE	Troubleshoot Arc Fault Detector (AFD) components
E5	CORE	Troubleshoot electrical panel components and interiors (e.g., alarm and indicating panels, control panels, remote control stations, etc.)
E5	CORE	Troubleshoot electrically-operated valve components
E5	CORE	Troubleshoot hotwell level control systems
E5	CORE	Troubleshoot Programmable Logic Controllers (PLC)
E5	CORE	Troubleshoot throttle control electrical systems
E5	CORE	Troubleshoot ventilation electrical components (e.g. fans, heater, temperature sensor, proportional controller, etc.)

ELECTRICAL INSTALLATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Disconnect permanent cables
E4	CORE	Inspect permanent cables
E4	CORE	Inspect shore power hardware
E4	CORE	Repair permanent cables
E4	CORE	Test permanent cables
E4	CORE	Test shore power hardware

MOTORS AND GENERATORS

Paygrade	Task Type	Task Statements
E5	CORE	Inspect Alternating Current (AC) generators
E5	CORE	Inspect motor generators
E4	CORE	Lubricate motor generators
E5	CORE	Repair Alternating Current (AC) generators
E5	CORE	Repair Alternating Current (AC) motor components
E5	CORE	Repair generator governor electrical components
E5	CORE	Repair motor generators
E5	CORE	Test motor generators
E5	CORE	Troubleshoot Alternating Current (AC) generators
E5	CORE	Troubleshoot Alternating Current (AC) motor components
E5	CORE	Troubleshoot generator governor electrical components
E5	CORE	Troubleshoot motor generators

POWER DISTRIBUTION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze electric plant trends
E4	CORE	Inspect high voltage systems (i.e., greater than 700 Volts)

POWER DISTRIBUTION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Repair bus transfer devices (Automatic Bus Transfer (ABT), Automatic Static Bus Transfer (SABT), and Manual Bus Transfer (MBT))
E5	CORE	Repair high voltage systems (i.e., greater than 700 Volts)
E5	CORE	Repair switchboard components
E4	CORE	Shift electric plant lineups from normal and alternate control stations (e.g., Auxiliary Electric Plant Control Panel (AEPCP), Electric Plant Control Panel (EPCP), Emergency Switchboard Local Control Station (ESLCS), etc.)
E4	CORE	Test high voltage systems (i.e., greater than 700 Volts)
E4	CORE	Test switchboards
E5	CORE	Troubleshoot bus transfer devices (i.e., Automatic Bus Transfer (ABT), Automatic Static Bus Transfer (SABT), and Manual Bus Transfer (MBT))
E5	CORE	Troubleshoot high voltage systems (i.e., greater than 700 Volts)
E5	CORE	Troubleshoot switchboard components

REACTOR PLANT EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Analyze pressure and temperature parameter trends
E5	CORE	Analyze shutdown reactor plant trends
E6	CORE	Control maintenance on systems affecting remote operability
E4	CORE	Inspect discharge boundary valve positions
E4	CORE	Inspect reactor compartment
E4	CORE	Line up reactor plant valves
E6	CORE	Verify conditions established for prevention of inadvertent discharges

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze machinery vibration data for validity
E6	CORE	Audit division records (e.g., electrical, mechanical, material history, etc.)
E5	CORE	Complete checklists for remote operability of key reactor plant valves
E6	CORE	Supervise division maintenance operations (e.g., electrical, mechanical, reactor control, etc.)
E5	CORE	Tag out reactor plant components (e.g., instrumentation and control, mechanical, and electrical system, etc.)
E4	CORE	Verify containment requirements

Job Title **Job Code**

Submarine Propulsion Plant Electrical Manager 003793

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	SUB PROPULSION PLANT ELECT MGR	SS PPE MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EMN	NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Submarine Propulsion Plant Electrical Managers manage operations, maintenance, and training for personnel assigned to electrical divisions and/or engineering departments; coordinate ship electrical safety programs; perform audits of divisional and/or departmental programs; analyze trends and implement process improvements; perform risk management; and manage work critical to the movement of Naval tactical and strategic forces.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Nuclear Power	166100	Compliance Managers	11-9199.02	Management

Skills	Abilities
Quality Control Analysis	*Problem Sensitivity*
Systems Analysis	*Deductive Reasoning*
Management of Personnel Resources	*Oral Expression*
Operation Monitoring	*Information Ordering*
Reading Comprehension	*Near Vision*
Coordination	*Selective Attention*
Operation and Control	*Spatial Orientation*
Complex Problem Solving	*Speed of Closure*
Equipment Maintenance	*Written Expression*
Systems Evaluation	*Arm-Hand Steadiness*

CASUALTY CONTROL

Paygrade	Task Type	Task Statements
E6	CORE	Direct shutdown watch section casualty operations
E4	CORE	Perform corrective actions to combat reactor plant casualties
E6	CORE	Supervise casualty electrical distribution operations
E7	CORE	Supervise casualty power system operations

ELECTRICAL CONTROL EQUIPMENT

Paygrade	Task Type	Task Statements
E7	CORE	Perform close-out inspections of electrical equipment

ELECTRICAL INSTALLATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Install submarine battery cell jumpers

MOTORS AND GENERATORS

Paygrade	Task Type	Task Statements
E5	CORE	Inspect motor generators
E5	CORE	Test motor generators
E5	CORE	Troubleshoot motor generators

POWER DISTRIBUTION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze electric plant trends
E4	CORE	Inspect high voltage systems (i.e., greater than 700 Volts)
E7	CORE	Supervise high voltage electrical safety work (i.e., greater than 700 volts)
E4	CORE	Test high voltage systems (i.e., greater than 700 Volts)
E5	CORE	Troubleshoot high voltage systems (i.e., greater than 700 Volts)

REACTOR PLANT EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Analyze pressure and temperature parameter trends
E5	CORE	Analyze shutdown reactor plant trends
E6	CORE	Control maintenance on systems affecting remote operability
E4	CORE	Inspect reactor compartment
E6	CORE	Verify conditions established for prevention of inadvertent discharges

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze machinery vibration data for validity
E6	CORE	Audit division records (e.g., electrical, mechanical, material history, etc.)
E7	CORE	Audit engineering and reactor department records
E5	CORE	Manage battery program
E7	CORE	Manage equipment modifications (e.g., reactor, non-reactor, Ship Alternation (SHIPALT), etc.)
E6	CORE	Supervise division maintenance operations (e.g., electrical, mechanical, reactor control, etc.)

Job Title **Job Code**

Surface Propulsion Plant Electrical Manager 003794

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	SUR PROPULSION PLANT ELECT MGR	SW PPE MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EMN	NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Surface Propulsion Plant Electrical Managers manage operations, maintenance, and training for personnel assigned to electrical divisions and/or reactor departments; coordinate the departmental electrical safety programs; perform audits of divisional and/or departmental programs; analyze trends and implement process improvements; perform risk management; and manage work critical for movement of Naval tactical and command forces.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Nuclear Power	166100	Compliance Managers	11-9199.02	Management

Skills	Abilities
Quality Control Analysis	*Problem Sensitivity*
Systems Analysis	*Deductive Reasoning*
Management of Personnel Resources	*Information Ordering*
Operation Monitoring	*Oral Expression*
Operation and Control	*Near Vision*
Reading Comprehension	*Selective Attention*
Coordination	*Speed of Closure*
Complex Problem Solving	*Written Expression*
Systems Evaluation	*Inductive Reasoning*
Troubleshooting	*Originality*

CASUALTY CONTROL

Paygrade	Task Type	Task Statements
E6	CORE	Direct shutdown watch section casualty operations
E4	CORE	Perform corrective actions to combat reactor plant casualties
E6	CORE	Supervise casualty electrical distribution operations
E7	CORE	Supervise casualty power system operations

ELECTRICAL CONTROL EQUIPMENT

Paygrade	Task Type	Task Statements
E7	CORE	Perform close-out inspections of electrical equipment

MOTORS AND GENERATORS

Paygrade	Task Type	Task Statements
E5	CORE	Test motor generators
E5	CORE	Troubleshoot motor generators

POWER DISTRIBUTION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze electric plant trends
E4	CORE	Inspect high voltage systems (i.e., greater than 700 Volts)
E7	CORE	Supervise high voltage electrical safety work (i.e., greater than 700 volts)
E4	CORE	Test high voltage systems (i.e., greater than 700 Volts)
E5	CORE	Troubleshoot high voltage systems (i.e., greater than 700 Volts)

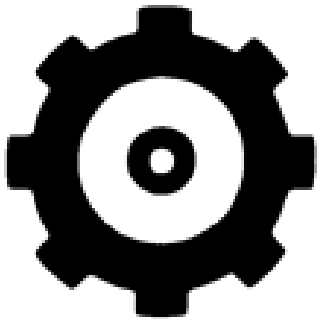
REACTOR PLANT EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Analyze pressure and temperature parameter trends
E5	CORE	Analyze shutdown reactor plant trends
E6	CORE	Control maintenance on systems affecting remote operability
E4	CORE	Inspect reactor compartment
E6	CORE	Verify conditions established for prevention of inadvertent discharges

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze machinery vibration data for validity
E6	CORE	Audit division records (e.g., electrical, mechanical, material history, etc.)
E7	CORE	Audit engineering and reactor department records
E7	CORE	Manage equipment modifications (e.g., reactor, non-reactor, Ship Alternation (SHIPALT), etc.)
E6	CORE	Supervise division maintenance operations (e.g., electrical, mechanical, reactor control, etc.)
E4	CORE	Verify containment requirements

CHAPTER 30



ENGINEMAN (EN)

NAVPERS 18068F-30H
Change 103

Updated: July 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

ENGINEMAN (EN)

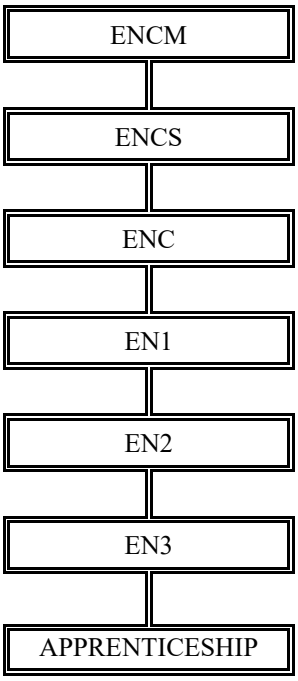
SCOPE OF RATING

Enginemen (EN) control the operation of diesel engines used for ship propulsion and to generate electrical power and align fuel, water, and air piping systems; clean, lubricate, adjust, test, and perform other preventive maintenance on diesel engines, reduction gears, air compressors, hydraulic or pneumatic clutches, steering engines, and Controllable Pitch Propeller (CPP) systems; repair or overhaul diesel engines, pumps, compressors, heat exchangers, and control devices used with diesel engines; and make entries into and analyze machinery operating records and reports.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 30.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Diesel Engine Systems Manager 003102

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	DIESEL ENGINE SYS MGR	DIESEL SYS MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EN	NEC UXXX series and other NECs as assigned

Job Description

Diesel Engine Systems Managers provide overall management by reviewing, approving, and managing engine operations and programs aboard Navy ships; manage personnel during the operation and maintenance of main propulsion diesel engine and reduction gears used for ship propulsion and auxiliary machinery, such as ship's service diesel engine generators and oil purifiers; provide guidance and technical knowledge in the maintenance of auxiliary machinery, desalinization plants (reverse osmosis), and compressed air producing plants; manage personnel in the alignment process of piping systems for fuel, oil, water, and air; manage the operation of ship's main propulsion diesel engine used for ship's propulsion and service systems and the operation of ship's service diesel engine generators used to produce electrical power; manage personnel responsible for cleaning, adjusting, testing, and the performance of other preventive maintenance on ship's main propulsion diesel engine, ship's service diesel engine generators, and other auxiliary machinery, pumps and associated valves; provide guidance and technical knowledge in the repair and replacement of valves, pumps, heat exchangers, compressors, 24 volt engine control systems, and hydraulic or pneumatic control devices; and manage and analyze machinery operating; utilize mastered trade/skill qualifications to mentor Diesel Engine Systems Technicians and Diesel Engine Systems Maintainers.

DoD Relationship

Group Title	*DoD Code*
Auxiliaries	165200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First Line Supervisors of Mechanics, Installers, and Repairers	49-1011.00	Installation, Maintenance, and Repair

Skills	Abilities
Systems Evaluation	*Deductive Reasoning*
Coordination	*Oral Comprehension*
Critical Thinking	*Selective Attention*
Troubleshooting	*Information Ordering*
Reading Comprehension	*Written Comprehension*
Systems Analysis	*Inductive Reasoning*
Quality Control Analysis	*Problem Sensitivity*
Operation Monitoring	*Written Expression*
Writing	*Near Vision*
Operation and Control	*Glare Sensitivity*

ENGINEERING MANAGEMENT

Paygrade	Task Type	Task Statements
E7	NON-CORE	Approve Quality Assurance (QA) repair forms
E7	CORE	Evaluate engineering management programs
E4	CORE	Input data into Diesel Readiness Systems (DRS)
E5	CORE	Maintain engineering records and logs
E7	CORE	Manage Diesel Readiness Systems (DRS) data inputs
E6	CORE	Manage environmental pollution control programs
E4	NON-CORE	Prepare Current Ship's Maintenance Project (CSMP) inputs
E5	CORE	Prepare fuel, oil, and water reports
E5	NON-CORE	Prepare Quality Assurance (QA) repair forms
E7	CORE	Prepare shipwide full power and economy trials
E6	CORE	Supervise auxiliary cooling water system repairs
E6	CORE	Supervise compressed air system repairs
E6	CORE	Supervise control air systems repairs (e.g., brake, clutch, engine, etc.)
E6	CORE	Supervise Control Pitch Propeller (CPP) system repairs

ENGINEERING MANAGEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise diesel engines repairs
E6	CORE	Supervise diesel engines support system repairs (e.g., jacket water, lube oil, fuel oil, etc.)
E6	CORE	Supervise fuel oil and lube oil purification system repairs
E6	CORE	Supervise fuel oil and lube oil transfer system repairs
E6	CORE	Supervise fuel oil stripping system repairs
E6	CORE	Supervise heat exchanger repairs
E6	CORE	Supervise high purity reverse osmosis system repairs
E7	CORE	Supervise jacking gear repairs
E6	CORE	Supervise machinery clutches and brake repairs
E6	CORE	Supervise machinery transmission repairs
E6	CORE	Supervise main propulsion shaft repairs (e.g., jet drive, outdrive, etc.)
E6	CORE	Supervise Main Reduction Gear (MRG) system repairs
E6	CORE	Supervise oily waste water system repairs
E6	NON-CORE	Supervise potable water system repairs
E6	CORE	Supervise reducing station repairs (e.g., air, water systems, hydraulics, etc.)
E6	CORE	Supervise reverse osmosis system repairs
E6	CORE	Supervise stern tube cooling system repairs
E6	CORE	Supervise system valve repairs (e.g., diaphragm, gate, check, etc.)
E6	CORE	Supervise systems pumps repairs (e.g., water, fuel, oil, etc.)
E7	NON-CORE	Update Casualty Reports (CASREP)
E7	NON-CORE	Validate Casualty Reports (CASREP)
E6	NON-CORE	Validate Current Ship's Maintenance Project (CSMP) input
E6	CORE	Validate Engineering Operational Sequencing System (EOSS) manuals
E7	CORE	Validate engineering records and logs
E6	CORE	Validate fuel, oil, and water reports
E5	NON-CORE	Verify Current Ship's Maintenance Project (CSMP) input
E5	CORE	Verify Engineering Operational Sequencing System (EOSS) manuals
E6	CORE	Verify engineering records and logs
E6	NON-CORE	Verify Quality Assurance (QA) repair forms
E6	CORE	Inspect fluid samples
E5	CORE	Maintain precision instruments
E5	CORE	Repair Main Reduction Gear (MRG) systems
E5	CORE	Troubleshoot auxiliary cooling water systems
E5	CORE	Troubleshoot compressed air systems
E5	CORE	Troubleshoot control air systems (e.g., brake, clutch, engine, etc.)
E5	CORE	Troubleshoot Control Pitch Propeller (CPP) systems
E5	CORE	Troubleshoot diesel engine support systems (e.g., jacket water, lube oil, fuel oil, etc.)

MECHANICAL MAINTENANCE

Paygrade	Task Type	Task Statements
E5	CORE	Troubleshoot diesel engines
E5	CORE	Troubleshoot fuel oil and lube oil transfer systems
E5	CORE	Troubleshoot fuel oil stripping systems
E5	CORE	Troubleshoot heat exchangers
E5	CORE	Troubleshoot high purity reverse osmosis systems
E5	CORE	Troubleshoot jacking gears
E5	CORE	Troubleshoot machinery clutches and brakes
E5	CORE	Troubleshoot machinery transmissions
E5	CORE	Troubleshoot main propulsion shafts (e.g., jet drive, outdrive, etc.)
E6	CORE	Troubleshoot Main Reduction Gear (MRG) systems
E5	CORE	Troubleshoot oily waste water systems
E5	NON-CORE	Troubleshoot potable water systems
E5	CORE	Troubleshoot reducing stations (e.g., air, water systems, hydraulics, etc.)
E5	CORE	Troubleshoot reverse osmosis systems
E5	CORE	Troubleshoot stern tube cooling systems
E5	CORE	Troubleshoot system valves (e.g., diaphragm, gate, check, etc.)
E5	CORE	Troubleshoot systems pumps (e.g., water, fuel, oil, etc.)
E5	NON-CORE	Verify pressure/temperature alarms and set points

MECHANICAL SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct diesel engine operations
E4	CORE	Conduct diesel engine support system operations (e.g., jacket water, lube oil, fuel oil, etc.)
E4	CORE	Conduct Main Reduction Gear (MRG) system operations

Job Title **Job Code**

Diesel Engine Systems Technician 003179

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	DIESEL ENGINE SYS TEC	DIESEL SYS TEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EN	NEC UXXX Series and other NECs assigned

Job Description

Diesel Engine Systems Technicians repair, maintain, and service internal-combustion engines, machinery, and components used aboard Navy ship's; provide technical knowledge during the operation and the maintenance of main propulsion diesel engine and reduction gears used for ship propulsion and auxiliary machinery, such as ship's service diesel engine generators, and oil purifiers; provide guidance and technical knowledge in the maintenance of auxiliary machinery, desalinization plants (reverse osmosis), and compressed gas producing plants; align piping systems for fuel, oil, water, and air; control the operation of ship's main propulsion diesel engine, service systems, and the operation of ship's service diesel engine generators; clean, adjust, test, and perform other preventive maintenance on ship's main propulsion diesel engine, ship's service diesel engine generators, and other auxiliary machinery, pumps and associated valves; repair or replace valves, pumps, heat exchangers, compressors, and hydraulic or pneumatic control devices; make entries in and analyze machinery operating records and reports; perform work under limited supervision and use mastered skill/trade to mentor Diesel Engine Systems Maintainers.

DoD Relationship

Group Title	*DoD Code*
Auxiliaries	165200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Motorboat Mechanics and Service Technicians	49-3051.00	Installation, Maintenance, and Repair

Skills	Abilities
Equipment Selection	*Deductive Reasoning*
Operation and Control	*Manual Dexterity*
Equipment Maintenance	*Written Comprehension*
Systems Evaluation	*Problem Sensitivity*
Repairing	*Visualization*
Reading Comprehension	*Information Ordering*
Troubleshooting	*Oral Comprehension*
Operation Monitoring	*Selective Attention*
Coordination	*Mathematical Reasoning*
Critical Thinking	*Written Expression*

ENGINEERING MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Input data into Diesel Readiness Systems (DRS)
E5	CORE	Maintain engineering records and logs
E4	NON-CORE	Prepare Current Ship's Maintenance Project (CSMP) inputs
E5	CORE	Prepare fuel, oil, and water reports
E5	NON-CORE	Prepare Quality Assurance (QA) repair forms
E4	CORE	Report accuracy of Engineering Operational Sequencing System (EOSS) manuals
E6	CORE	Supervise auxiliary cooling water system repairs
E6	CORE	Supervise compressed air system repairs
E6	CORE	Supervise control air systems repairs (e.g., brake, clutch, engine, etc.)
E6	CORE	Supervise Control Pitch Propeller (CPP) system repairs
E6	CORE	Supervise diesel engines repairs
E6	CORE	Supervise fuel oil and lube oil transfer system repairs
E6	CORE	Supervise fuel oil stripping system repairs
E6	CORE	Supervise heat exchanger repairs

ENGINEERING MANAGEMENT CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Supervise jacking gear repairs
E6	CORE	Supervise machinery clutches and brake repairs
E6	CORE	Supervise machinery transmission repairs
E6	CORE	Supervise main propulsion shaft repairs (e.g., jet drive, outdrive, etc.)
E6	CORE	Supervise oily waste water system repairs
E6	NON-CORE	Supervise potable water system repairs
E6	CORE	Supervise reducing station repairs (e.g., air, water systems, hydraulics, etc.)
E6	CORE	Supervise reverse osmosis system repairs
E6	CORE	Supervise system valve repairs (e.g., diaphragm, gate, check, etc.)
E6	CORE	Validate Engineering Operational Sequencing System (EOSS) manuals
E6	CORE	Validate fuel, oil, and water reports
E5	NON-CORE	Verify Current Ship's Maintenance Project (CSMP) input
E5	CORE	Verify Engineering Operational Sequencing System (EOSS) manuals
E6	CORE	Verify engineering records and logs
E6	NON-CORE	Verify Quality Assurance (QA) repair forms

MECHANICAL MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Conduct preventative maintenance fuel oil and lube oil purification systems
E4	CORE	Conduct preventative maintenance on auxiliary cooling water systems
E4	NON-CORE	Conduct preventative maintenance on Civil Engineering Support Equipment (CESE)
E4	CORE	Conduct preventative maintenance on compressed air systems
E4	CORE	Conduct preventative maintenance on Controllable Pitch Propeller (CPP) systems
E4	CORE	Conduct preventative maintenance on diesel engine support systems (e.g., jacket water, lube oil, fuel oil, etc.)
E4	CORE	Conduct preventative maintenance on diesel engines
E4	CORE	Conduct preventative maintenance on fuel oil and lube oil transfer systems
E4	CORE	Conduct preventative maintenance on fuel oil stripping systems
E4	CORE	Conduct preventative maintenance on high purity reverse osmosis systems
E4	CORE	Conduct preventative maintenance on jacking gears
E4	CORE	Conduct preventative maintenance on machinery clutches and brakes
E5	CORE	Conduct preventative maintenance on machinery transmissions
E4	CORE	Conduct preventative maintenance on main propulsion shafts (e.g., jet drive, outdrive, etc.)
E4	CORE	Conduct preventative maintenance on Main Reduction Gear (MRG) systems
E4	NON-CORE	Conduct preventative maintenance on oily waste water systems
E4	NON-CORE	Conduct preventative maintenance on potable water systems
E4	CORE	Conduct preventative maintenance on reducing stations (e.g., air, water systems, hydraulics, etc.)

MECHANICAL MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Conduct preventative maintenance on reverse osmosis systems
E4	CORE	Conduct preventative maintenance on stern tube cooling systems
E4	CORE	Conduct preventative maintenance on system valves (e.g., diaphragm, gate, check, etc.)
E4	CORE	Conduct preventative maintenance on systems pumps (e.g., water, fuel, oil, etc.)
E4	CORE	Conduct preventive maintenance on heat exchangers
E4	CORE	Draw fluid samples
E4	CORE	Inspect flange shields
E6	CORE	Inspect fluid samples
E5	CORE	Maintain precision instruments
E4	CORE	Perform precision measurements
E4	CORE	Perform tank level soundings
E4	CORE	Repair auxiliary cooling water systems
E4	CORE	Repair compressed air systems
E5	CORE	Repair control air systems (e.g., brake, clutch, engine, etc.)
E4	CORE	Repair Control Pitch Propeller (CPP) systems
E4	CORE	Repair diesel engines
E4	CORE	Repair diesel engines support systems (e.g., jacket water, lube oil, fuel oil, etc.)
E4	CORE	Repair fuel oil and lube oil purification systems
E4	CORE	Repair fuel oil and lube oil transfer systems
E4	CORE	Repair fuel oil stripping systems
E4	CORE	Repair heat exchangers
E4	CORE	Repair high purity reverse osmosis systems
E5	CORE	Repair jacking gears
E5	CORE	Repair machinery clutches and brakes
E5	CORE	Repair machinery transmissions
E4	CORE	Repair main propulsion shafts (e.g., jet drive, outdrive, etc.)
E5	CORE	Repair Main Reduction Gear (MRG) systems
E4	CORE	Repair oily waste water systems
E4	NON-CORE	Repair potable water systems
E4	CORE	Repair reducing stations (e.g., air, water systems, hydraulics, etc.)
E4	CORE	Repair reverse osmosis systems
E4	CORE	Repair stern tube cooling systems
E4	CORE	Repair system valves (e.g., diaphragm, gate, check, etc.)
E4	CORE	Repair systems pumps (e.g., water, fuel, oil, etc.)
E4	CORE	Replace flange shields
E4	NON-CORE	Replace pressure/temperature alarms and set points
E4	CORE	Test fluid samples
E5	CORE	Troubleshoot auxiliary cooling water systems

MECHANICAL MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Troubleshoot compressed air systems
E5	CORE	Troubleshoot control air systems (e.g., brake, clutch, engine, etc.)
E5	CORE	Troubleshoot Control Pitch Propeller (CPP) systems
E5	CORE	Troubleshoot diesel engine support systems (e.g., jacket water, lube oil, fuel oil, etc.)
E5	CORE	Troubleshoot diesel engines
E5	CORE	Troubleshoot fuel oil and lube oil transfer systems
E5	CORE	Troubleshoot fuel oil stripping systems
E5	CORE	Troubleshoot heat exchangers
E5	CORE	Troubleshoot high purity reverse osmosis systems
E5	CORE	Troubleshoot jacking gears
E5	CORE	Troubleshoot machinery clutches and brakes
E5	CORE	Troubleshoot machinery transmissions
E5	CORE	Troubleshoot main propulsion shafts (e.g., jet drive, outdrive, etc.)
E6	CORE	Troubleshoot Main Reduction Gear (MRG) systems
E5	CORE	Troubleshoot oily waste water systems
E5	NON-CORE	Troubleshoot potable water systems
E5	CORE	Troubleshoot reducing stations (e.g., air, water systems, hydraulics, etc.)
E5	CORE	Troubleshoot reverse osmosis systems
E5	CORE	Troubleshoot stern tube cooling systems
E5	CORE	Troubleshoot system valves (e.g., diaphragm, gate, check, etc.)
E5	CORE	Troubleshoot systems pumps (e.g., water, fuel, oil, etc.)
E5	NON-CORE	Verify pressure/temperature alarms and set points

MECHANICAL SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Align auxiliary cooling water systems
E4	CORE	Align compressed air systems
E4	CORE	Align Control Pitch Propeller (CPP) systems
E4	CORE	Align diesel engine support systems (e.g., jacket water, lube oil, fuel oil, etc.)
E4	CORE	Align diesel engines
E4	CORE	Align fuel oil and lube oil purification systems
E4	CORE	Align fuel oil and lube oil transfer systems
E4	CORE	Align fuel oil stripping systems
E4	CORE	Align high purity reverse osmosis systems
E4	CORE	Align main drainage systems
E4	CORE	Align Main Reduction Gear (MRG) systems
E4	CORE	Align oily waste water systems
E4	NON-CORE	Align potable water system
E4	CORE	Align reducing stations (e.g., air, water systems, hydraulics, etc.)

MECHANICAL SYSTEMS OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Align reverse osmosis systems
E4	CORE	Align stern tube cooling systems
E4	CORE	Align systems pumps (e.g., water, fuel, oil, etc.)
E4	CORE	Conduct auxiliary cooling water system operations
E4	CORE	Conduct compressed air system operations
E5	CORE	Conduct control air system operations (e.g., brake, clutch, engine, etc.)
E4	CORE	Conduct Controllable Pitch Propeller (CPP) system operations
E4	CORE	Conduct diesel engine operations
E4	CORE	Conduct diesel engine support system operations (e.g., jacket water, lube oil, fuel oil, etc.)
E4	CORE	Conduct fuel oil and lube oil purification system operations
E4	CORE	Conduct fuel oil and lube oil transfer system operations
E4	CORE	Conduct fuel oil stripping system operations
E4	CORE	Conduct high purity reverse osmosis system operations
E4	CORE	Conduct jacking gear operations
E4	CORE	Conduct Main Reduction Gear (MRG) system operations
E4	CORE	Conduct oily waste water system operations
E4	NON-CORE	Conduct potable water system operations
E4	CORE	Conduct reverse osmosis system operations
E4	CORE	Conduct stern tube cooling system operations

Job Title **Job Code**

Diesel Engine Systems Maintainer 003653

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	DIESEL ENGINE SYS MAINT	DIESEL SYS MNT

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EN	NEC UXXX Series and other NECs as assigned

Job Description

Diesel Engine Systems Maintainers operate and maintain main propulsion diesel engines, air compressors, and reduction gears used for ship propulsion and auxiliary machinery, such as ship's service diesel engine generators, pumps, and oil purifiers; maintain, desalinization plants (reverse osmosis), and compressed gas producing plants; align piping systems for fuel, oil, water, and air; control operation of ship's main propulsion diesel engine; control operation of ship's service diesel engine generators; clean, adjust, test, and perform other preventive maintenance on ship's internal-combustion engines and other auxiliary machinery, pumps, and associated valves; repair or replace valves, pumps, heat exchangers, compressors, and hydraulic or pneumatic control devices; make entries in machinery operating records and reports; and work under the supervision of Diesel Systems Managers and Diesel Systems Technicians.

DoD Relationship

Group Title	*DoD Code*
Auxiliaries	165200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Motorboat Mechanics and Service Technicians	49-3051.00	Installation, Maintenance, and Repair

Skills

Equipment Selection
Operation and Control
Equipment Maintenance
Systems Evaluation
Repairing
Troubleshooting
Reading Comprehension
Operation Monitoring
Quality Control Analysis
Operations Analysis

Abilities

Deductive Reasoning
Manual Dexterity
Problem Sensitivity
Written Comprehension
Visualization
Information Ordering
Mathematical Reasoning
Written Expression
Near Vision
Extent Flexibility

ENGINEERING MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Input data into Diesel Readiness Systems (DRS)
E5	CORE	Maintain engineering records and logs
E4	NON-CORE	Prepare Current Ship's Maintenance Project (CSMP) inputs
E5	NON-CORE	Prepare Quality Assurance (QA) repair forms
E4	CORE	Report accuracy of Engineering Operational Sequencing System (EOSS) manuals
E6	CORE	Validate Engineering Operational Sequencing System (EOSS) manuals
E5	CORE	Verify Engineering Operational Sequencing System (EOSS) manuals
E6	CORE	Verify engineering records and logs
E6	NON-CORE	Verify Quality Assurance (QA) repair forms

MECHANICAL MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Conduct preventative maintenance fuel oil and lube oil purification systems
E4	CORE	Conduct preventative maintenance on auxiliary cooling water systems
E4	NON-CORE	Conduct preventative maintenance on Civil Engineering Support Equipment (CESE)
E4	CORE	Conduct preventative maintenance on compressed air systems

MECHANICAL MAINTENANCE CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Conduct preventative maintenance on Controllable Pitch Propeller (CPP) systems
E4	CORE	Conduct preventative maintenance on diesel engine support systems (e.g., jacket water, lube oil, fuel oil, etc.)
E4	CORE	Conduct preventative maintenance on diesel engines
E4	CORE	Conduct preventative maintenance on fuel oil and lube oil transfer systems
E4	CORE	Conduct preventative maintenance on fuel oil stripping systems
E4	CORE	Conduct preventative maintenance on high purity reverse osmosis systems
E4	CORE	Conduct preventative maintenance on jacking gears
E4	CORE	Conduct preventative maintenance on machinery clutches and brakes
E5	CORE	Conduct preventative maintenance on machinery transmissions
E4	CORE	Conduct preventative maintenance on main propulsion shafts (e.g., jet drive, outdrive, etc.)
E4	CORE	Conduct preventative maintenance on Main Reduction Gear (MRG) systems
E4	NON-CORE	Conduct preventative maintenance on oily waste water systems
E4	NON-CORE	Conduct preventative maintenance on potable water systems
E4	CORE	Conduct preventative maintenance on reducing stations (e.g., air, water systems, hydraulics, etc.)
E4	CORE	Conduct preventative maintenance on reverse osmosis systems
E4	CORE	Conduct preventative maintenance on stern tube cooling systems
E4	CORE	Conduct preventative maintenance on system valves (e.g., diaphragm, gate, check, etc.)
E4	CORE	Conduct preventative maintenance on systems pumps (e.g., water, fuel, oil, etc.)
E4	CORE	Conduct preventative maintenance on heat exchangers
E4	CORE	Draw fluid samples
E4	CORE	Inspect flange shields
E6	CORE	Inspect fluid samples
E5	CORE	Maintain precision instruments
E4	CORE	Perform precision measurements
E4	CORE	Perform tank level soundings
E4	CORE	Repair auxiliary cooling water systems
E4	CORE	Repair compressed air systems
E5	CORE	Repair control air systems (e.g., brake, clutch, engine, etc.)
E4	CORE	Repair Control Pitch Propeller (CPP) systems
E4	CORE	Repair diesel engines
E4	CORE	Repair diesel engines support systems (e.g., jacket water, lube oil, fuel oil, etc.)
E4	CORE	Repair fuel oil and lube oil purification systems
E4	CORE	Repair fuel oil and lube oil transfer systems
E4	CORE	Repair fuel oil stripping systems
E4	CORE	Repair heat exchangers

MECHANICAL MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair high purity reverse osmosis systems
E5	CORE	Repair jacking gears
E5	CORE	Repair machinery clutches and brakes
E5	CORE	Repair machinery transmissions
E4	CORE	Repair main propulsion shafts (e.g., jet drive, outdrive, etc.)
E5	CORE	Repair Main Reduction Gear (MRG) systems
E4	CORE	Repair oily waste water systems
E4	NON-CORE	Repair potable water systems
E4	CORE	Repair reducing stations (e.g., air, water systems, hydraulics, etc.)
E4	CORE	Repair reverse osmosis systems
E4	CORE	Repair stern tube cooling systems
E4	CORE	Repair system valves (e.g., diaphragm, gate, check, etc.)
E4	CORE	Repair systems pumps (e.g., water, fuel, oil, etc.)
E4	CORE	Replace flange shields
E4	NON-CORE	Replace pressure/temperature alarms and set points
E4	CORE	Test fluid samples
E5	CORE	Troubleshoot auxiliary cooling water systems
E5	CORE	Troubleshoot compressed air systems
E5	CORE	Troubleshoot control air systems (e.g., brake, clutch, engine, etc.)
E5	CORE	Troubleshoot Control Pitch Propeller (CPP) systems
E5	CORE	Troubleshoot diesel engine support systems (e.g., jacket water, lube oil, fuel oil, etc.)
E5	CORE	Troubleshoot diesel engines
E5	CORE	Troubleshoot fuel oil and lube oil transfer systems
E5	CORE	Troubleshoot fuel oil stripping systems
E5	CORE	Troubleshoot heat exchangers
E5	CORE	Troubleshoot high purity reverse osmosis systems
E5	CORE	Troubleshoot jacking gears
E5	CORE	Troubleshoot machinery clutches and brakes
E5	CORE	Troubleshoot machinery transmissions
E5	CORE	Troubleshoot main propulsion shafts (e.g., jet drive, outdrive, etc.)
E6	CORE	Troubleshoot Main Reduction Gear (MRG) systems
E5	CORE	Troubleshoot oily waste water systems
E5	NON-CORE	Troubleshoot potable water systems
E5	CORE	Troubleshoot reducing stations (e.g., air, water systems, hydraulics, etc.)
E5	CORE	Troubleshoot reverse osmosis systems
E5	CORE	Troubleshoot stern tube cooling systems
E5	CORE	Troubleshoot system valves (e.g., diaphragm, gate, check, etc.)

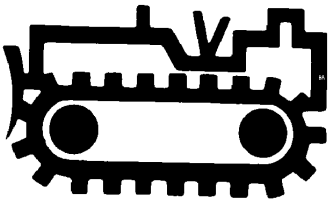
MECHANICAL MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Troubleshoot systems pumps (e.g., water, fuel, oil, etc.)
E5	NON-CORE	Verify pressure/temperature alarms and set points

MECHANICAL SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Align auxiliary cooling water systems
E4	CORE	Align compressed air systems
E4	CORE	Align Control Pitch Propeller (CPP) systems
E4	CORE	Align diesel engine support systems (e.g., jacket water, lube oil, fuel oil, etc.)
E4	CORE	Align diesel engines
E4	CORE	Align fuel oil and lube oil purification systems
E4	CORE	Align fuel oil and lube oil transfer systems
E4	CORE	Align fuel oil stripping systems
E4	CORE	Align high purity reverse osmosis systems
E4	CORE	Align main drainage systems
E4	CORE	Align Main Reduction Gear (MRG) systems
E4	CORE	Align oily waste water systems
E4	NON-CORE	Align potable water system
E4	CORE	Align reducing stations (e.g., air, water systems, hydraulics, etc.)
E4	CORE	Align reverse osmosis systems
E4	CORE	Align stern tube cooling systems
E4	CORE	Align systems pumps (e.g., water, fuel, oil, etc.)
E4	CORE	Conduct auxiliary cooling water system operations
E4	CORE	Conduct compressed air system operations
E5	CORE	Conduct control air system operations (e.g., brake, clutch, engine, etc.)
E4	CORE	Conduct Controllable Pitch Propeller (CPP) system operations
E4	CORE	Conduct diesel engine operations
E4	CORE	Conduct diesel engine support system operations (e.g., jacket water, lube oil, fuel oil, etc.)
E4	CORE	Conduct fuel oil and lube oil purification system operations
E4	CORE	Conduct fuel oil and lube oil transfer system operations
E4	CORE	Conduct fuel oil stripping system operations
E4	CORE	Conduct high purity reverse osmosis system operations
E4	CORE	Conduct jacking gear operations
E4	CORE	Conduct Main Reduction Gear (MRG) system operations
E4	CORE	Conduct oily waste water system operations
E4	NON-CORE	Conduct potable water system operations
E4	CORE	Conduct reverse osmosis system operations
E4	CORE	Conduct stern tube cooling system operations

CHAPTER 31



EQUIPMENT OPERATOR
(EO)

NAVPERS 18068F-31I
Change 107

Updated: July 2026

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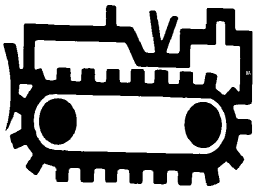
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

EQUIPMENT OPERATOR (EO)



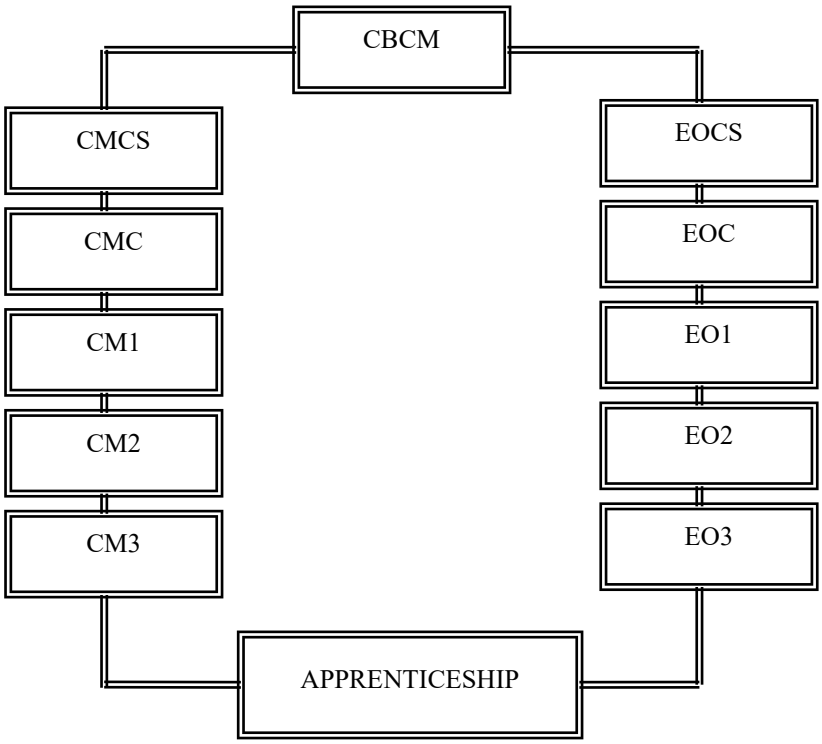
SCOPE OF RATING

Equipment Operators (EO) execute the operation and maintenance of automotive, material handling, weight handling, and construction equipment; direct and coordinate efforts of individuals and crews in performing construction projects, Quality Control (QC) inspections, earth-moving, road building, asphalt paving, soil stabilization, and various operations including transportation, blasting, quarry, mineral products, and water well; maintain administrative requirements for mobile and fixed equipment; maintain combat readiness; and perform tasks required in combat and disaster preparedness and recovery operations.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 31.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

*Career path updated to reflect rating name change to Seabee Master Chief (CBCM) – NAVADMIN 054/21 refers

Job Title

Equipment Operator

Job Code

001165

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Construction and Extraction	TBD	EQUIPMENT OPERATOR	EQUIP OPERATOR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EO	NEC BXXX series and other NECs as assigned

Job Description

Equipment Operators (EO) execute the operation and maintenance of automotive, material handling, weight handling, and construction equipment; direct and coordinate efforts of individuals and crews in performing construction projects, Quality Control (QC) inspections, earth-moving, road building, asphalt paving, soil stabilization, and various operations including transportation, blasting, quarry, mineral products, and water well; maintain administrative requirements for mobile and fixed equipment; maintain combat readiness; and perform tasks required in combat and disaster preparedness and recovery operations; act as project managers overseeing, organizing, and meeting Quality Assurance (QA) standards during the execution of construction projects.

DoD Relationship

Group Title	*DoD Code*
Construction Equipment Operation	171300

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Operating Engineers and Other Construction Equipment Operators	47-2073.00	Construction and Extraction

Skills	Abilities
Operation and Control	*Deductive Reasoning*
Management of Material Resources	*Information Ordering*
Monitoring	*Oral Expression*
Critical Thinking	*Selective Attention*
Equipment Selection	*Written Comprehension*
Judgment and Decision Making	*Problem Sensitivity*
Mathematics	*Visualization*
Quality Control Analysis	*Inductive Reasoning*
Management of Personnel Resources	*Spatial Orientation*
Systems Evaluation	*Control Precision*

CONSTRUCTION MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Conduct construction project turnovers
E6	NON-CORE	Conduct Three-Phase Quality Control (QC) inspections
E4	CORE	Develop Construction Activity Summary Sheets
E4	CORE	Develop construction estimates
E5	CORE	Develop construction project packages
E5	CORE	Develop construction project sketches and diagrams
E5	CORE	Develop construction safety plans
E5	CORE	Develop environmental protection plans
E5	CORE	Develop master activities listing
E6	CORE	Develop project Three-Phase Quality Control (QC) plans
E5	CORE	Establish construction site layouts
E5	CORE	Implement construction project drawings and specifications
E5	CORE	Input project data into construction management software and tools
E4	CORE	Inspect construction materials
E4	CORE	Inventory project tools and materials
E5	CORE	Lead construction project crews
E6	CORE	Manage construction project resources
E7	CORE	Manage construction projects

CONSTRUCTION MANAGEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage construction safety plans
E7	CORE	Manage job site construction operations (e.g., Quality Control (QC) and safety plan implementation, job site information board, Level III Chart, etc.)
E7	CORE	Manage project Quality Control (QC) plans
E7	NON-CORE	Manage Three-Phase Quality Control (QC) process
E6	CORE	Supervise construction project crews
E6	CORE	Supervise construction project safety operations
E6	CORE	Supervise execution of environmental protection plans
E6	CORE	Supervise planning and estimating operations
E6	NON-CORE	Supervise project Three-Phase Quality Control (QC) process
E6	CORE	Validate construction project packages
E5	NON-CORE	Validate project surveys and elevation data
E7	NON-CORE	Verify construction project contract requirements

EARTHWORK

Paygrade	Task Type	Task Statements
E4	CORE	Classify soil types
E4	CORE	Compact earthwork materials
E4	CORE	Compute earthwork mathematical equations (e.g., elevations, grade stakes, material volumes, etc.)
E5	CORE	Develop earthwork sketches and diagrams
E5	CORE	Develop site drainage plans
E4	CORE	Distribute water (e.g., water wagon, water tanker, water truck, etc.)
E5	CORE	Establish finished grades
E4	CORE	Establish rough grades
E4	CORE	Excavate earthwork materials
E5	CORE	Interpret earthwork drawings and specifications
E4	CORE	Load soil and earth materials
E4	CORE	Perform site and elevation surveys
E4	CORE	Prepare construction sites (e.g., clearing, grubbing, stripping and pioneering, etc.)
E4	CORE	Stabilize earthwork materials using mechanical and chemical methods
E5	CORE	Supervise earthwork operations
E5	CORE	Validate earthwork surveys and elevation data

EQUIPMENT MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Dispatch equipment
E7	NON-CORE	Manage ammunition and explosives qualification/certification programs
E5	CORE	Manage collateral equipage
E6	CORE	Manage equipment licensing programs
E7	CORE	Manage transportation operations
E5	CORE	Supervise equipment yard operations

EQUIPMENT MANAGEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise transportation operations

EXPEDITIONARY CONSTRUCTION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Assess airfield damage data
E4	NON-CORE	Collect airfield damage data
E4	NON-CORE	Collect maritime infrastructure damage data
E4	NON-CORE	Employ Crew-Served Weapons (CSW)
E4	CORE	Employ small arms
E4	CORE	Maintain weapons and equipment (e.g., small arms, Crew-Served Weapons (CSW), weapons mounts, etc.)
E7	NON-CORE	Manage Airfield Damage Repair (ADR) operations
E7	NON-CORE	Manage Port Damage Repair (PDR) operations
E5	NON-CORE	Plan Airfield Damage Repairs (ADR) (e.g., operational length determination, repair quality criteria, operating surface selection, etc.)
E4	NON-CORE	Repair damaged airfields (e.g., debris clearing, material staging, spall repair, crater repair, etc.)
E4	NON-CORE	Repair maritime infrastructure
E6	NON-CORE	Supervise Airfield Damage Repair (ADR) operations
E6	NON-CORE	Supervise Port Damage Repair (PDR) operations

MINERAL PRODUCTS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Drill rock
E7	NON-CORE	Manage mineral products operations
E6	NON-CORE	Manage quarry operations (e.g., mucking, sorting, transportation of blast rock, etc.)
E4	NON-CORE	Perform quarry operations in accordance with quarry layouts and plans (e.g., mucking, sorting, transportation of blast rock, etc.)
E5	NON-CORE	Produce material utilizing mineral products plant equipment (e.g., asphalt plant, concrete plant, washing/screening plant, crushers, etc.)
E6	NON-CORE	Supervise quarry operations (e.g., mucking, sorting, transportation of blast rock, etc.)

PAVEMENTS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Apply asphalt surface treatments (e.g., chip seal, prime and tack coats, slurry coat, etc.)
E5	NON-CORE	Develop pavement sketches and diagrams
E7	NON-CORE	Manage asphalt placement operations
E5	NON-CORE	Place asphalt using asphalt paver
E4	NON-CORE	Repair asphalt (e.g., patching a pothole, cold-patch, crack seal, etc.)
E6	NON-CORE	Supervise asphalt placement operations

TRANSPORTATION OPERATIONS/MATERIAL HANDLING EQUIPMENT (MHE)

Paygrade	Task Type	Task Statements
E4	CORE	Configure loads for transportation (e.g., proper weight distribution, size limitation, tiedown configuration, etc.)
E4	CORE	Configure loads using Material Handling Equipment (MHE)
E4	CORE	Distribute fuel
E4	CORE	Handle cargo and materials using Material Handling Equipment (MHE) (e.g., extended boom, rough terrain, container handling, warehouse, forklift, etc.)
E4	NON-CORE	Perform explosive ordnance Material Handling Equipment (MHE) operations
E4	CORE	Perform first echelon level maintenance on Civil Engineer Support Equipment (CESE)
E4	CORE	Perform loading and unloading operations (e.g., Material Handling Equipment (MHE), Weight Handling Equipment (WHE), Civil Engineer Support Equipment (CESE), etc.)
E4	CORE	Perform vehicle recovery operations (e.g., Medium Tactical Vehicle Replacement (MTVR), bulldozer, etc.)
E5	NON-CORE	Plan loads for embarkation operations
E6	NON-CORE	Plan unit embarkation operations
E4	CORE	Secure equipment and materials for transportation
E7	NON-CORE	Supervise embarkation and debarkation operations
E4	CORE	Transport asphalt
E4	CORE	Transport concrete
E4	CORE	Transport equipment and materials
E4	NON-CORE	Transport explosive ordnance materials
E4	CORE	Transport liquid load (e.g., water truck, fuel truck, SIX-CON, etc.)
E4	CORE	Transport personnel
E4	CORE	Transport soil and earth materials

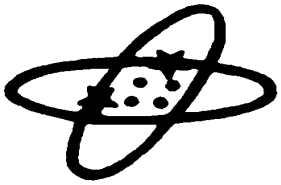
WATER WELL

Paygrade	Task Type	Task Statements
E5	NON-CORE	Abandon wells
E5	NON-CORE	Determine drilling methods
E5	NON-CORE	Develop wells
E5	NON-CORE	Drill wells
E7	NON-CORE	Manage water well drilling operations
E4	NON-CORE	Perform corrective maintenance on water well equipment (e.g., rebuild mud pump, rebuild downhole hammer, etc.)
E4	CORE	Prepare site for drilling operations (e.g., clearing, grubbing, dig pits, grading, etc.)
E5	NON-CORE	Rehabilitate wells
E6	NON-CORE	Supervise water well drilling operations

WEIGHT HANDLING EQUIPMENT (WHE)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Conduct Weight Handling Equipment (WHE) certification procedures
E4	NON-CORE	Develop lift plan sketches and diagrams
E4	NON-CORE	Lift loads using hook block (e.g., cargo handling, amphibious, shipboard, etc.)
E6	NON-CORE	Maintain Weight Handling Equipment (WHE) records
E6	NON-CORE	Manage Weight Handling Equipment (WHE) licensing programs
E5	NON-CORE	Perform crane specialty operations (e.g., clamshell, dragline, pile driving, etc.)
E4	NON-CORE	Perform first echelon maintenance on Weight Handling Equipment (WHE)
E5	NON-CORE	Perform load tests using Weight Handling Equipment (WHE)
E4	NON-CORE	Rig loads
E6	NON-CORE	Supervise crane crew operations
E7	NON-CORE	Supervise Weight Handling Equipment (WHE) load tests

CHAPTER 32



ELECTRONICS TECHNICIAN
(ET)

NAVPERS 18068F-32M
Change 104

Updated: October 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

ELECTRONICS TECHNICIAN (ET)

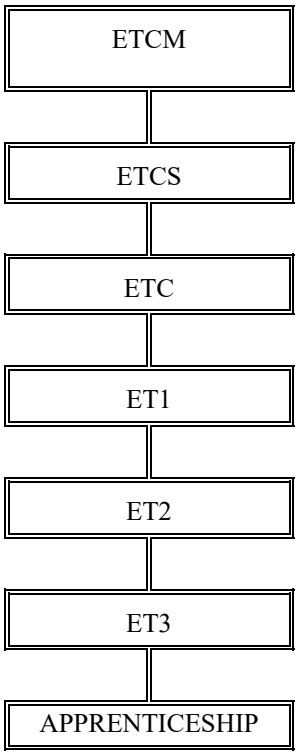
SCOPE OF RATING

Electronics Technicians (ET) perform, supervise, coordinate, and manage the preventive and corrective maintenance, calibration, configuration, and alignment of cryptographic, radar, navigation, and Command, Control, Computer, Communication, and Intelligence (C4I) systems, utilizing test equipment and technical drawings.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 32.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Electronics Communications Technician 003723

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	ELECTRONICS COMMUNICATION TEC	E COM SYS TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ET	NEC IXXX, UXXX, VXXX, and 7XXX series and other NECs as assigned

Job Description

Electronics Communications Technicians maintain shore-based, ship-based, expeditionary, and portable communications equipment, including all associated cabling, computer, multiplexing, switching, cryptographic, recording, cooling water, and dry air systems; analyze equipment operation and align, troubleshoot, and repair equipment to the lowest replaceable unit; execute casualty control procedures, restoring operability for all assigned electronic equipment, and recognizing mission criticality and redundancies within systems; perform administrative functions that include updating casualty reporting messages, technical manuals, equipment maintenance records, and managing test equipment calibration requirements; complete fiber optic and basic soldering repair, electrical safety checks, and test equipment calibration; and supervise personnel who conduct tool and test equipment inventories, logistics support, and maintenance and testing of systems and equipment.

DoD Relationship

Group Title	*DoD Code*
Radio/Radar, General	110000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Telecommunications Equipment Installers and Repairers, Except Line Installers	49-2022.00	Installation, Maintenance, and Repair

Skills	Abilities
Quality Control Analysis	*Problem Sensitivity*
Operation Monitoring	*Inductive Reasoning*
Operation and Control	*Written Comprehension*
Systems Evaluation	*Information Ordering*
Equipment Maintenance	*Selective Attention*
Complex Problem Solving	*Control Precision*
Troubleshooting	*Deductive Reasoning*
Repairing	*Originality*
Management of Material Resources	*Written Expression*
Equipment Selection	*Oral Expression*

AUXILIARY EQUIPMENT AND SUPPORT SYSTEMS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Calibrate gauges (i.e., temperature and pressure)
E4	NON-CORE	Configure alarm, safety, and warning systems
E4	CORE	Configure audio recording systems (i.e., RD-674)
E4	CORE	Configure auxiliary air and cooling water systems
E4	NON-CORE	Configure calibration standards
E4	CORE	Configure digital to analog converters
E4	NON-CORE	Configure electronic security systems
E4	NON-CORE	Configure video communication systems
E4	NON-CORE	Configure video entertainment systems
E4	NON-CORE	Configure video monitoring systems
E4	NON-CORE	Configure vision enhancement equipment
E4	NON-CORE	Configure Visual Landing Aid (VLA) systems
E4	CORE	Perform preventive maintenance on alarm, safety, and warning systems
E4	CORE	Perform preventive maintenance on audio recording systems (i.e., RD-674)
E4	CORE	Perform preventive maintenance on auxiliary air and cooling water systems
E4	CORE	Perform preventive maintenance on digital to analog converters
E4	CORE	Perform preventive maintenance on electronic security systems

AUXILIARY EQUIPMENT AND SUPPORT SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventive maintenance on video communication systems
E4	CORE	Perform preventive maintenance on video entertainment systems
E4	CORE	Perform preventive maintenance on video monitoring systems
E4	CORE	Perform preventive maintenance on vision enhancement equipment
E4	NON-CORE	Perform preventive maintenance on Visual Landing Aid (VLA) systems
E4	CORE	Repair alarm, safety, and warning systems
E4	CORE	Repair audio recording systems (i.e., RD-674)
E4	CORE	Repair auxiliary air and cooling water systems
E4	CORE	Repair digital to analog converters
E4	CORE	Repair electronic security systems
E4	CORE	Repair video communication systems
E4	CORE	Repair video entertainment systems
E4	CORE	Repair video monitoring systems
E4	NON-CORE	Repair vision enhancement equipment
E4	NON-CORE	Repair Visual Landing Aid (VLA) systems
E4	CORE	Replace aloft equipment
E4	CORE	Replace electronic security systems and components
E4	CORE	Test alarm, safety, and warning systems
E4	CORE	Test audio recording systems (i.e., RD-674)
E4	CORE	Test auxiliary air and cooling water systems
E4	NON-CORE	Test calibration standards
E4	CORE	Test digital to analog converters
E4	CORE	Test electronic security systems
E4	CORE	Test video communication systems
E4	CORE	Test video entertainment systems
E4	CORE	Test video monitoring systems
E4	CORE	Test vision enhancement equipment
E4	NON-CORE	Test Visual Landing Aid (VLA) systems
E4	CORE	Troubleshoot alarm, safety, and warning systems
E4	CORE	Troubleshoot audio recording systems (i.e., RD-674)
E4	CORE	Troubleshoot auxiliary air and cooling water systems
E4	NON-CORE	Troubleshoot calibration standards
E4	CORE	Troubleshoot digital to analog converters
E4	CORE	Troubleshoot electronic security systems
E4	CORE	Troubleshoot video communication systems
E4	CORE	Troubleshoot video entertainment systems
E4	CORE	Troubleshoot video monitoring systems
E4	NON-CORE	Troubleshoot vision enhancement equipment
E4	NON-CORE	Troubleshoot Visual Landing Aid (VLA) systems

COMMAND, CONTROL, COMPUTER, COMMUNICATION, AND INTELLIGENCE (C4I)

Paygrade	Task Type	Task Statements
E4	CORE	Configure Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) Command, Control, Computer, Communication, and Intelligence (C4I) systems (e.g., satellite systems)
E4	CORE	Configure computer and peripheral systems
E4	CORE	Configure cryptographic equipment
E4	CORE	Configure data multiplexing equipment
E4	CORE	Configure display systems
E4	CORE	Configure Extremely High Frequency (EHF) systems
E4	NON-CORE	Configure Extremely Low Frequency (ELF) systems
E4	CORE	Configure High Frequency (HF) systems
E4	CORE	Configure internal communication systems
E4	NON-CORE	Configure Low Frequency (LF) systems
E4	NON-CORE	Configure message routing systems
E4	CORE	Configure network systems
E4	CORE	Configure routing and switching devices
E4	CORE	Configure Super High Frequency (SHF) systems
E4	CORE	Configure switching equipment (e.g., Automated Single Audio System (ASAS), Tactical Variant Switch (TVS), Automated Network Control Center (ANCC), etc.)
E4	CORE	Configure Ultra High Frequency (UHF) systems
E4	CORE	Configure Very High Frequency (VHF) systems
E4	NON-CORE	Configure Very Low Frequency (VLF) systems
E4	NON-CORE	Deploy Command, Control, Computer, Communication, and Intelligence (C4I) antenna systems
E4	CORE	Ensure correct operation of Radio Frequency (RF) systems (e.g., Super High Frequency (SHF), Ultra High Frequency (UHF), Very High Frequency (VHF), Extremely High Frequency (EHF), High Frequency (HF), etc.)
E4	CORE	Ensure correct system operation of routing and switching devices
E4	CORE	Establish audio circuits
E4	CORE	Establish data links (i.e., dual-net multi-frequency data links and multi-frequency links)
E4	NON-CORE	Integrate Intelligence, Surveillance, and Reconnaissance (ISR) services (e.g., Global Broadcasting Systems (GBS), Communications Data Link System (CDLS), etc.)
E4	CORE	Inventory system software and firmware
E4	NON-CORE	Load cryptographic keying material
E5	CORE	Load image software
E4	NON-CORE	Maintain network security
E5	CORE	Manage database information
E4	NON-CORE	Monitor message routing systems
E4	CORE	Perform End of Mission Sanitizations (EOMS)
E4	NON-CORE	Perform Information Systems (IS) backups
E4	CORE	Perform preventive maintenance on Command, Control, Computer, Communication, and Intelligence (C4I) antenna systems

COMMAND, CONTROL, COMPUTER, COMMUNICATION, AND INTELLIGENCE (C4I) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventive maintenance on Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) Command, Control, Computer, Communication, and Intelligence (C4I) systems (e.g., satellite systems)
E4	CORE	Perform preventive maintenance on computer and peripheral systems
E4	NON-CORE	Perform preventive maintenance on cryptographic equipment
E4	CORE	Perform preventive maintenance on data links (i.e., dual-net multi-frequency data links and multi-frequency links)
E4	CORE	Perform preventive maintenance on data multiplexing equipment
E4	CORE	Perform preventive maintenance on display systems
E4	CORE	Perform preventive maintenance on Extremely High Frequency (EHF) systems
E4	NON-CORE	Perform preventive maintenance on Extremely Low Frequency (ELF) systems
E4	CORE	Perform preventive maintenance on High Frequency (HF) systems
E4	CORE	Perform preventive maintenance on internal communication systems
E4	NON-CORE	Perform preventive maintenance on Low Frequency (LF) systems
E4	CORE	Perform preventive maintenance on message routing systems
E4	CORE	Perform preventive maintenance on network systems
E4	CORE	Perform preventive maintenance on Radio Frequency (RF) circuits
E4	CORE	Perform preventive maintenance on routing and switching devices
E4	CORE	Perform preventive maintenance on Super High Frequency (SHF) systems
E4	CORE	Perform preventive maintenance on switching equipment (e.g., Automated Single Audio System (ASAS), Tactical Variant Switch (TVS), Automated Network Control Center (ANCC), etc.)
E4	CORE	Perform preventive maintenance on Ultra High Frequency (UHF) systems
E4	CORE	Perform preventive maintenance on Very High Frequency (VHF) systems
E4	NON-CORE	Perform preventive maintenance on Very Low Frequency (VLF) systems
E4	CORE	Repair Command, Control, Computer, Communication, and Intelligence (C4I) antenna systems
E4	CORE	Repair Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) Command, Control, Computer, Communication, and Intelligence (C4I) systems (e.g., satellite systems)
E4	CORE	Repair computer and peripheral systems
E4	CORE	Repair data links (i.e., dual-net multi-frequency data links and multi-frequency links)
E4	CORE	Repair data multiplexing equipment
E4	CORE	Repair display systems
E4	CORE	Repair Extremely High Frequency (EHF) systems
E4	NON-CORE	Repair Extremely Low Frequency (ELF) systems
E4	CORE	Repair High Frequency (HF) systems
E4	CORE	Repair internal communication systems
E4	NON-CORE	Repair Low Frequency (LF) systems
E4	CORE	Repair message routing systems
E4	CORE	Repair network systems
E4	CORE	Repair Radio Frequency (RF) circuits

COMMAND, CONTROL, COMPUTER, COMMUNICATION, AND INTELLIGENCE (C4I) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair routing and switching devices
E4	CORE	Repair Super High Frequency (SHF) systems
E4	CORE	Repair switching equipment (e.g., Automated Single Audio System (ASAS), Tactical Variant Switch (TVS), Automated Network Control Center (ANCC), etc.)
E4	CORE	Repair Ultra High Frequency (UHF) systems
E4	CORE	Repair Very High Frequency (VHF) systems
E4	NON-CORE	Repair Very Low Frequency (VLF) systems
E4	CORE	Replace cryptographic equipment
E4	CORE	Replace routing and switching devices
E4	NON-CORE	Set up cryptographic equipment
E4	NON-CORE	Set up cryptographic networks
E4	CORE	Test Command, Control, Computer, Communication, and Intelligence (C4I) antenna systems
E4	CORE	Test Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) Command, Control, Computer, Communication, and Intelligence (C4I) systems (e.g., satellite systems)
E4	CORE	Test computer and peripheral systems
E4	CORE	Test cryptographic equipment
E4	CORE	Test data links (i.e., dual-net multi-frequency data links and multi-frequency links)
E4	CORE	Test data multiplexing equipment
E4	CORE	Test display systems
E4	CORE	Test Extremely High Frequency (EHF) systems
E4	NON-CORE	Test Extremely Low Frequency (ELF) systems
E4	CORE	Test High Frequency (HF) systems
E4	CORE	Test internal communication systems
E4	NON-CORE	Test Low Frequency (LF) systems
E4	CORE	Test message routing systems
E4	CORE	Test network systems
E4	CORE	Test Radio Frequency (RF) circuits
E4	CORE	Test routing and switching devices
E4	CORE	Test Super High Frequency (SHF) systems
E4	CORE	Test switching equipment (e.g., Automated Single Audio System (ASAS), Tactical Variant Switch (TVS), Automated Network Control Center (ANCC), etc.)
E4	CORE	Test Ultra High Frequency (UHF) systems
E4	CORE	Test Very High Frequency (VHF) systems
E4	NON-CORE	Test Very Low Frequency (VLF) systems
E4	CORE	Troubleshoot Command, Control, Computer, Communication, and Intelligence (C4I) antenna systems
E4	CORE	Troubleshoot Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) Command, Control, Computer, Communication, and Intelligence (C4I) systems (e.g., satellite systems)
E4	CORE	Troubleshoot computer and peripheral systems

COMMAND, CONTROL, COMPUTER, COMMUNICATION, AND INTELLIGENCE (C4I) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot cryptographic equipment
E4	CORE	Troubleshoot data links (i.e., dual-net multi-frequency data links and multi-frequency links)
E4	CORE	Troubleshoot data multiplexing equipment
E4	CORE	Troubleshoot display systems
E4	CORE	Troubleshoot Extremely High Frequency (EHF) systems
E4	NON-CORE	Troubleshoot Extremely Low Frequency (ELF) systems
E4	CORE	Troubleshoot High Frequency (HF) systems
E4	CORE	Troubleshoot internal communication systems
E4	NON-CORE	Troubleshoot Low Frequency (LF) systems
E4	CORE	Troubleshoot message routing systems
E4	CORE	Troubleshoot network systems
E4	CORE	Troubleshoot Radio Frequency (RF) circuits
E4	CORE	Troubleshoot routing and switching devices
E4	CORE	Troubleshoot Super High Frequency (SHF) systems
E4	CORE	Troubleshoot switching equipment (e.g., Automated Single Audio System (ASAS), Tactical Variant Switch (TVS), Automated Network Control Center (ANCC), etc.)
E4	CORE	Troubleshoot Ultra High Frequency (UHF) systems
E4	CORE	Troubleshoot Very High Frequency (VHF) systems
E4	NON-CORE	Troubleshoot Very Low Frequency (VLF) systems
E4	CORE	Update Command, Control, Computer, Communication, and Intelligence (C4I) password accounts
E4	CORE	Update system software and firmware

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Collect equipment and system status data
E5	CORE	Derive operational requirements from technical briefs, notices, and bulletins
E4	CORE	Document equipment and system status data
E5	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E5	CORE	Implement Command, Control, Computer, Communication, and Intelligence (C4I) Communications Plans (COMPLANS)
E4	CORE	Inspect work areas, tools, and systems equipment
E4	CORE	Inventory controlled equipment
E4	CORE	Inventory Maintenance Assistance Modules (MAM)
E5	CORE	Maintain preventive maintenance documents
E5	NON-CORE	Manage calibration programs
E4	CORE	Perform equipment validations
E5	CORE	Process equipment validations
E4	NON-CORE	Report Key Management Infrastructure (KMI) discrepancies
E5	CORE	Supervise controlled equipment inventories

EQUIPMENT ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Supervise equipment installations, testing, and alterations (e.g., Field Change, System Operation Verification Test (SOVT), etc.)
E5	CORE	Supervise Maintenance Assistance Modules (MAM) usage
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center maintenance operations
E5	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E4	CORE	Update equipment status boards
E6	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)

EXPEDITIONARY OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure Expeditionary Warfare (EXW) electronic equipment
E4	CORE	Configure portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E4	CORE	Deploy Expeditionary Warfare (EXW) electronic equipment
E6	CORE	Develop expeditionary Communications Plans (COMPLANS)
E4	CORE	Ensure correct operation of portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E4	CORE	Ensure correct system operation of Expeditionary Warfare (EXW) electronic equipment
E5	CORE	Implement expeditionary Communications Plans (COMPLANS)
E4	CORE	Integrate portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E4	CORE	Perform expeditionary communications radio operations
E4	CORE	Perform preventive maintenance on Expeditionary Warfare (EXW) electronic equipment
E4	CORE	Perform preventive maintenance on portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E4	CORE	Repair Expeditionary Warfare (EXW) electronic equipment
E4	CORE	Test Expeditionary Warfare (EXW) electronic equipment
E4	CORE	Test portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E4	CORE	Troubleshoot Expeditionary Warfare (EXW) electronic equipment
E4	CORE	Troubleshoot portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)

RADAR, NAVIGATION, AND IDENTIFICATION SYSTEMS

Paygrade	Task Type	Task Statements
E5	CORE	Verify navigation distribution systems

TECHNICAL CORE FUNDAMENTALS

Paygrade	Task Type	Task Statements
E5	CORE	Analyze blueprints and ship's drawings
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E4	CORE	Analyze technical manuals
E4	CORE	Configure electromechanical (synchro/servo) systems
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Configure power supplies
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E5	CORE	Control Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) effects on electronic systems
E4	NON-CORE	Fabricate fiber optic cables and connectors
E4	CORE	Fabricate interconnecting cables and connectors
E4	CORE	Handle Communications Security (COMSEC) materials
E4	CORE	Inspect personal electronic equipment
E4	CORE	Inventory Communications Security (COMSEC) materials
E4	NON-CORE	Perform basic soldering on electrical and electronic equipment
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform corrosion prevention and control procedures on electronic equipment and systems
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E4	CORE	Perform preventive maintenance on Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Perform preventive maintenance on Alternating Current (AC) circuits
E4	CORE	Perform preventive maintenance on digital circuits
E4	CORE	Perform preventive maintenance on Direct Current (DC) circuits
E4	CORE	Perform preventive maintenance on electromechanical (synchro/servo) systems
E4	CORE	Perform preventive maintenance on fiber optic cables and connectors
E4	CORE	Perform preventive maintenance on General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Perform preventive maintenance on interconnecting cables and connectors
E4	CORE	Perform preventive maintenance on power supplies
E4	CORE	Perform preventive maintenance on Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Receive Communications Security (COMSEC) materials
E4	NON-CORE	Repair Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Repair Alternating Current (AC) circuits
E4	CORE	Repair digital circuits
E4	CORE	Repair Direct Current (DC) circuits
E4	CORE	Repair electromechanical (synchro/servo) systems
E4	NON-CORE	Repair fiber optic cables and connectors

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair interconnecting cables and connectors
E4	CORE	Repair power supplies
E4	CORE	Replace Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Replace fiber optic cables
E4	CORE	Replace power supplies
E5	CORE	Report Electromagnetic Interference (EMI)
E4	CORE	Test Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Test Alternating Current (AC) circuits
E4	CORE	Test digital circuits
E4	CORE	Test Direct Current (DC) circuits
E4	CORE	Test electromechanical (synchro/servo) systems
E4	CORE	Test fiber optic cables and connectors
E4	CORE	Test General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Test interconnecting cables and connectors
E4	CORE	Test power supplies
E4	NON-CORE	Test Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Troubleshoot Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Troubleshoot Alternating Current (AC) circuits
E4	CORE	Troubleshoot digital circuits
E4	CORE	Troubleshoot Direct Current (DC) circuits
E4	CORE	Troubleshoot electromechanical (synchro/servo) systems
E4	CORE	Troubleshoot fiber optic cables and connectors
E4	CORE	Troubleshoot General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Troubleshoot interconnecting cables and connectors
E4	CORE	Troubleshoot power supplies
E4	NON-CORE	Troubleshoot Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Validate Communications Security (COMSEC) materials

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E4	CORE	Configure combat systems for training and testing evolutions
E5	CORE	Train technicians in casualty control procedures

WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Calculate environmental range predictions
E4	CORE	Configure Combat Information Center (CIC)/Combat Direction Center (CDC) systems for special evolutions
E4	CORE	Configure combat systems equipment
E4	CORE	Configure combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Configure combat systems for Emission Control (EMCON) conditions
E4	CORE	Configure combat systems for special evolutions
E5	CORE	Configure Expeditionary Warfare (EXW) operations centers for special evolutions (e.g., Joint Operations Center (JOC), Tactical Operations Center (TOC), etc.)
E4	CORE	Configure systems to Commanding Officer's (CO) battle orders
E7	CORE	Coordinate Expeditionary Warfare (EXW) operations centers for special evolutions (e.g., Joint Operations Center (JOC), Tactical Operations Center (TOC), etc.)
E6	CORE	Manage Expeditionary Warfare (EXW) operations centers for special evolutions (e.g., Joint Operations Center (JOC), Tactical Operations Center (TOC), etc.)
E4	CORE	Perform Combat Systems Alignments (CSA)
E4	CORE	Perform external communications (i.e., ship-to-ship, ship-to-shore, and ship-to-air)
E4	CORE	Perform Pre-Planned Responses (PPR)
E4	CORE	Report combat systems equipment statuses
E4	CORE	Transition combat systems between conditions of readiness
E4	CORE	Update plotting and status boards
E5	CORE	Verify combat systems equipment configurations

Job Title **Job Code**

Electronics Data Systems Technician 003724

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	ELECTRONICS DATA SYSTEMS TEC	E DATA SYS TEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ET	NEC IXXX, UXXX, VXXX, and 7XXX series and other NECs as assigned

Job Description

Electronics Data Systems Technicians maintain data link, tactical network, message-routing, digital production/projection, calibration, fiber optics, micro-miniature module test and repair, computer-based, and peripheral computer systems; analyze equipment operation, establish computer and network configurations, and troubleshoot and repair computer-based equipment to the lowest replaceable unit; execute casualty control procedures, restoring operability for all assigned electronic equipment, recognizing mission criticality and redundancies within systems; perform administrative functions that include updating casualty reporting messages, technical manuals, equipment maintenance records, and managing test equipment calibration requirements; complete fiber optic and basic soldering repair, electrical safety checks, and test equipment calibration; and supervise personnel who conduct tool and test equipment inventories, logistics support, and maintenance and testing of systems and equipment.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Radio/Radar, General	110000	Network and Computer Systems Administrators	15-1244.00	Computer and Mathematical

Skills	Abilities
Quality Control Analysis	*Problem Sensitivity*
Operation Monitoring	*Inductive Reasoning*
Operation and Control	*Written Comprehension*
Systems Evaluation	*Information Ordering*
Equipment Maintenance	*Deductive Reasoning*
Complex Problem Solving	*Selective Attention*
Troubleshooting	*Control Precision*
Repairing	*Originality*
Management of Material Resources	*Written Expression*
Equipment Selection	*Oral Expression*

AUXILIARY EQUIPMENT AND SUPPORT SYSTEMS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Calibrate gauges (i.e., temperature and pressure)
E4	NON-CORE	Configure alarm, safety, and warning systems
E4	CORE	Configure audio recording systems (i.e., RD-674)
E4	CORE	Configure auxiliary air and cooling water systems
E4	NON-CORE	Configure calibration standards
E4	CORE	Configure digital to analog converters
E4	NON-CORE	Configure electronic security systems
E4	NON-CORE	Configure video communication systems
E4	NON-CORE	Configure video entertainment systems
E4	NON-CORE	Configure video monitoring systems
E4	NON-CORE	Configure vision enhancement equipment
E4	NON-CORE	Configure Visual Landing Aid (VLA) systems
E4	CORE	Perform preventive maintenance on alarm, safety, and warning systems
E4	CORE	Perform preventive maintenance on auxiliary air and cooling water systems
E4	CORE	Perform preventive maintenance on digital to analog converters
E4	CORE	Perform preventive maintenance on electronic security systems
E4	CORE	Perform preventive maintenance on video communication systems

AUXILIARY EQUIPMENT AND SUPPORT SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventive maintenance on video entertainment systems
E4	CORE	Perform preventive maintenance on video monitoring systems
E4	CORE	Perform preventive maintenance on vision enhancement equipment
E4	NON-CORE	Perform preventive maintenance on Visual Landing Aid (VLA) systems
E4	CORE	Repair alarm, safety, and warning systems
E4	CORE	Repair auxiliary air and cooling water systems
E4	CORE	Repair digital to analog converters
E4	CORE	Repair electronic security systems
E4	CORE	Repair video communication systems
E4	CORE	Repair video entertainment systems
E4	CORE	Repair video monitoring systems
E4	NON-CORE	Repair vision enhancement equipment
E4	NON-CORE	Repair Visual Landing Aid (VLA) systems
E4	CORE	Replace aloft equipment
E4	CORE	Replace electronic security systems and components
E4	CORE	Test alarm, safety, and warning systems
E4	CORE	Test auxiliary air and cooling water systems
E4	NON-CORE	Test calibration standards
E4	CORE	Test digital to analog converters
E4	CORE	Test electronic security systems
E4	CORE	Test video communication systems
E4	CORE	Test video entertainment systems
E4	CORE	Test video monitoring systems
E4	CORE	Test vision enhancement equipment
E4	NON-CORE	Test Visual Landing Aid (VLA) systems
E4	CORE	Troubleshoot alarm, safety, and warning systems
E4	CORE	Troubleshoot auxiliary air and cooling water systems
E4	NON-CORE	Troubleshoot calibration standards
E4	CORE	Troubleshoot digital to analog converters
E4	CORE	Troubleshoot electronic security systems
E4	CORE	Troubleshoot video communication systems
E4	CORE	Troubleshoot video entertainment systems
E4	CORE	Troubleshoot video monitoring systems
E4	NON-CORE	Troubleshoot vision enhancement equipment
E4	NON-CORE	Troubleshoot Visual Landing Aid (VLA) systems

COMMAND, CONTROL, COMPUTER, COMMUNICATION, AND INTELLIGENCE (C4I)

Paygrade	Task Type	Task Statements
E4	CORE	Configure Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) Command, Control, Computer, Communication, and Intelligence (C4I) systems (e.g., satellite systems)
E4	CORE	Configure computer and peripheral systems
E4	CORE	Configure cryptographic equipment
E4	CORE	Configure data multiplexing equipment
E4	CORE	Configure display systems
E4	CORE	Configure Extremely High Frequency (EHF) systems
E4	CORE	Configure High Frequency (HF) systems
E4	CORE	Configure internal communication systems
E4	NON-CORE	Configure message routing systems
E4	CORE	Configure network systems
E4	CORE	Configure routing and switching devices
E4	CORE	Configure Super High Frequency (SHF) systems
E4	CORE	Configure switching equipment (e.g., Automated Single Audio System (ASAS), Tactical Variant Switch (TVS), Automated Network Control Center (ANCC), etc.)
E4	CORE	Configure Ultra High Frequency (UHF) systems
E4	NON-CORE	Deploy Command, Control, Computer, Communication, and Intelligence (C4I) antenna systems
E4	CORE	Ensure correct operation of Radio Frequency (RF) systems (e.g., Super High Frequency (SHF), Ultra High Frequency (UHF), Very High Frequency (VHF), Extremely High Frequency (EHF), High Frequency (HF), etc.)
E4	CORE	Ensure correct system operation of routing and switching devices
E4	CORE	Establish audio circuits
E4	CORE	Establish data links (i.e., dual-net multi-frequency data links and multi-frequency links)
E4	NON-CORE	Integrate Intelligence, Surveillance, and Reconnaissance (ISR) services (e.g., Global Broadcasting Systems (GBS), Communications Data Link System (CDLS), etc.)
E4	CORE	Inventory system software and firmware
E4	NON-CORE	Load cryptographic keying material
E5	CORE	Load image software
E4	NON-CORE	Maintain network security
E5	CORE	Manage database information
E4	NON-CORE	Monitor message routing systems
E4	NON-CORE	Monitor networks for vulnerabilities
E4	CORE	Perform End of Mission Sanitizations (EOMS)
E4	NON-CORE	Perform Information Systems (IS) backups
E4	CORE	Perform preventive maintenance on Command, Control, Computer, Communication, and Intelligence (C4I) antenna systems
E4	CORE	Perform preventive maintenance on Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) Command, Control, Computer, Communication, and Intelligence (C4I) systems (e.g., satellite systems)
E4	CORE	Perform preventive maintenance on computer and peripheral systems

COMMAND, CONTROL, COMPUTER, COMMUNICATION, AND INTELLIGENCE (C4I) (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Perform preventive maintenance on cryptographic equipment
E4	CORE	Perform preventive maintenance on data links (i.e., dual-net multi-frequency data links and multi-frequency links)
E4	CORE	Perform preventive maintenance on data multiplexing equipment
E4	CORE	Perform preventive maintenance on display systems
E4	CORE	Perform preventive maintenance on Extremely High Frequency (EHF) systems
E4	CORE	Perform preventive maintenance on internal communication systems
E4	CORE	Perform preventive maintenance on message routing systems
E4	CORE	Perform preventive maintenance on network systems
E4	CORE	Perform preventive maintenance on Radio Frequency (RF) circuits
E4	CORE	Perform preventive maintenance on routing and switching devices
E4	CORE	Perform preventive maintenance on Super High Frequency (SHF) systems
E4	CORE	Perform preventive maintenance on Ultra High Frequency (UHF) systems
E4	CORE	Repair Command, Control, Computer, Communication, and Intelligence (C4I) antenna systems
E4	CORE	Repair Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) Command, Control, Computer, Communication, and Intelligence (C4I) systems (e.g., satellite systems)
E4	CORE	Repair computer and peripheral systems
E4	CORE	Repair data links (i.e., dual-net multi-frequency data links and multi-frequency links)
E4	CORE	Repair data multiplexing equipment
E4	CORE	Repair display systems
E4	CORE	Repair Extremely High Frequency (EHF) systems
E4	CORE	Repair internal communication systems
E4	CORE	Repair message routing systems
E4	CORE	Repair network systems
E4	CORE	Repair Radio Frequency (RF) circuits
E4	CORE	Repair routing and switching devices
E4	CORE	Repair Super High Frequency (SHF) systems
E4	CORE	Repair Ultra High Frequency (UHF) systems
E4	CORE	Replace cryptographic equipment
E4	CORE	Replace routing and switching devices
E4	NON-CORE	Set up cryptographic equipment
E4	NON-CORE	Set up cryptographic networks
E4	CORE	Test Command, Control, Computer, Communication, and Intelligence (C4I) antenna systems
E4	CORE	Test Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) Command, Control, Computer, Communication, and Intelligence (C4I) systems (e.g., satellite systems)
E4	CORE	Test computer and peripheral systems
E4	CORE	Test cryptographic equipment
E4	CORE	Test data links (i.e., dual-net multi-frequency data links and multi-frequency links)

COMMAND, CONTROL, COMPUTER, COMMUNICATION, AND INTELLIGENCE (C4I) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test data multiplexing equipment
E4	CORE	Test display systems
E4	CORE	Test Extremely High Frequency (EHF) systems
E4	CORE	Test High Frequency (HF) systems
E4	CORE	Test internal communication systems
E4	CORE	Test message routing systems
E4	CORE	Test network systems
E4	CORE	Test Radio Frequency (RF) circuits
E4	CORE	Test routing and switching devices
E4	CORE	Test Super High Frequency (SHF) systems
E4	CORE	Test switching equipment (e.g., Automated Single Audio System (ASAS), Tactical Variant Switch (TVS), Automated Network Control Center (ANCC), etc.)
E4	CORE	Test Ultra High Frequency (UHF) systems
E4	CORE	Troubleshoot Command, Control, Computer, Communication, and Intelligence (C4I) antenna systems
E4	CORE	Troubleshoot Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) Command, Control, Computer, Communication, and Intelligence (C4I) systems (e.g., satellite systems)
E4	CORE	Troubleshoot computer and peripheral systems
E4	CORE	Troubleshoot cryptographic equipment
E4	CORE	Troubleshoot data links (i.e., dual-net multi-frequency data links and multi-frequency links)
E4	CORE	Troubleshoot data multiplexing equipment
E4	CORE	Troubleshoot display systems
E4	CORE	Troubleshoot Extremely High Frequency (EHF) systems
E4	CORE	Troubleshoot internal communication systems
E4	CORE	Troubleshoot message routing systems
E4	CORE	Troubleshoot network systems
E4	CORE	Troubleshoot Radio Frequency (RF) circuits
E4	CORE	Troubleshoot routing and switching devices
E4	CORE	Troubleshoot Super High Frequency (SHF) systems
E4	CORE	Troubleshoot Ultra High Frequency (UHF) systems
E4	CORE	Update Command, Control, Computer, Communication, and Intelligence (C4I) password accounts
E4	CORE	Update system software and firmware

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Collect equipment and system status data
E5	CORE	Derive operational requirements from technical briefs, notices, and bulletins
E4	CORE	Document equipment and system status data

EQUIPMENT ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E5	CORE	Implement Command, Control, Computer, Communication, and Intelligence (C4I) Communications Plans (COMPLANS)
E4	CORE	Inspect work areas, tools, and systems equipment
E4	CORE	Inventory controlled equipment
E4	CORE	Inventory Maintenance Assistance Modules (MAM)
E5	CORE	Maintain preventive maintenance documents
E5	NON-CORE	Manage calibration programs
E4	CORE	Perform equipment validations
E5	CORE	Process equipment validations
E4	NON-CORE	Report Key Management Infrastructure (KMI) discrepancies
E5	CORE	Supervise controlled equipment inventories
E4	CORE	Supervise equipment installations, testing, and alterations (e.g., Field Change, System Operation Verification Test (SOVT), etc.)
E5	CORE	Supervise Maintenance Assistance Modules (MAM) usage
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center maintenance operations
E5	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E4	CORE	Update equipment status boards
E6	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)

EXPEDITIONARY OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Administer expeditionary networks
E5	CORE	Configure expeditionary networks
E4	CORE	Configure Expeditionary Warfare (EXW) electronic equipment
E4	CORE	Configure portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E4	CORE	Deploy Expeditionary Warfare (EXW) electronic equipment
E6	CORE	Develop expeditionary Communications Plans (COMPLANS)
E4	CORE	Ensure correct operation of portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E4	CORE	Ensure correct system operation of Expeditionary Warfare (EXW) electronic equipment
E5	CORE	Implement expeditionary Communications Plans (COMPLANS)
E4	CORE	Integrate portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E5	CORE	Manage expeditionary networks
E4	CORE	Perform preventive maintenance on Expeditionary Warfare (EXW) electronic equipment
E4	CORE	Perform preventive maintenance on portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)

EXPEDITIONARY OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair Expeditionary Warfare (EXW) electronic equipment
E4	CORE	Test Expeditionary Warfare (EXW) electronic equipment
E4	CORE	Test portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E4	CORE	Troubleshoot Expeditionary Warfare (EXW) electronic equipment
E4	CORE	Troubleshoot portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)

RADAR, NAVIGATION, AND IDENTIFICATION SYSTEMS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Configure navigation distribution systems
E4	CORE	Configure navigation systems
E4	NON-CORE	Configure radar network systems
E4	CORE	Configure ship's control console systems
E4	CORE	Configure ship's speed systems
E4	CORE	Configure steering control systems
E4	CORE	Configure wind speed and direction systems
E4	NON-CORE	Extract data from navigation systems for diagnostics
E4	CORE	Perform preventive maintenance on navigation distribution systems
E4	CORE	Perform preventive maintenance on navigation systems
E4	CORE	Perform preventive maintenance on radar network systems
E4	CORE	Perform preventive maintenance on ship's control console systems
E4	CORE	Perform preventive maintenance on ship's speed systems
E4	CORE	Perform preventive maintenance on steering control systems
E4	CORE	Perform preventive maintenance on wind speed and direction systems
E4	CORE	Repair navigation distribution systems
E4	CORE	Repair navigation systems
E4	CORE	Repair radar network systems
E4	CORE	Repair ship's control console systems
E4	CORE	Repair ship's speed systems
E4	CORE	Repair steering control systems
E4	CORE	Repair wind speed and direction systems
E4	CORE	Test navigation distribution systems
E4	CORE	Test navigation systems
E4	CORE	Test radar network systems
E4	CORE	Test ship's control console systems
E4	CORE	Test ship's speed systems
E4	CORE	Test steering control systems
E4	CORE	Test wind speed and direction systems
E4	CORE	Troubleshoot navigation distribution systems
E4	CORE	Troubleshoot navigation systems

RADAR, NAVIGATION, AND IDENTIFICATION SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot radar network systems
E4	CORE	Troubleshoot ship's control console systems
E4	CORE	Troubleshoot ship's speed systems
E4	CORE	Troubleshoot steering control systems
E4	CORE	Troubleshoot wind speed and direction systems
E5	CORE	Verify Identification Friend or Foe (IFF) systems
E5	CORE	Verify Inertial Navigation Systems (INS)
E5	CORE	Verify navigation distribution systems
E5	CORE	Verify navigation system configurations
E5	CORE	Verify radar repeaters configurations
E5	CORE	Verify radar switchboards configurations
E5	CORE	Verify radar systems configurations
E5	CORE	Verify ship's control console system configurations
E5	CORE	Verify ship's speed system configurations
E5	CORE	Verify steering control systems configuration
E5	CORE	Verify wind speed and direction systems configurations

TECHNICAL CORE FUNDAMENTALS

Paygrade	Task Type	Task Statements
E5	CORE	Analyze blueprints and ship's drawings
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E4	CORE	Analyze technical manuals
E4	CORE	Configure electromechanical (synchro/servo) systems
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Configure power supplies
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E5	CORE	Control Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) effects on electronic systems
E4	NON-CORE	Fabricate fiber optic cables and connectors
E4	CORE	Fabricate interconnecting cables and connectors
E4	CORE	Handle Communications Security (COMSEC) materials
E4	CORE	Inspect personal electronic equipment
E4	CORE	Inventory Communications Security (COMSEC) materials
E4	NON-CORE	Perform basic soldering on electrical and electronic equipment
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform corrosion prevention and control procedures on electronic equipment and systems
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventive maintenance on Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Perform preventive maintenance on Alternating Current (AC) circuits
E4	CORE	Perform preventive maintenance on digital circuits
E4	CORE	Perform preventive maintenance on Direct Current (DC) circuits
E4	CORE	Perform preventive maintenance on electromechanical (synchro/servo) systems
E4	CORE	Perform preventive maintenance on fiber optic cables and connectors
E4	CORE	Perform preventive maintenance on General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Perform preventive maintenance on interconnecting cables and connectors
E4	CORE	Perform preventive maintenance on power supplies
E4	CORE	Perform preventive maintenance on Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Receive Communications Security (COMSEC) materials
E4	NON-CORE	Repair Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Repair Alternating Current (AC) circuits
E4	CORE	Repair digital circuits
E4	CORE	Repair Direct Current (DC) circuits
E4	CORE	Repair electromechanical (synchro/servo) systems
E4	NON-CORE	Repair fiber optic cables and connectors
E4	CORE	Repair interconnecting cables and connectors
E4	CORE	Repair power supplies
E4	CORE	Replace Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Replace fiber optic cables
E4	CORE	Replace power supplies
E5	CORE	Report Electromagnetic Interference (EMI)
E4	CORE	Test Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Test Alternating Current (AC) circuits
E4	CORE	Test digital circuits
E4	CORE	Test Direct Current (DC) circuits
E4	CORE	Test electromechanical (synchro/servo) systems
E4	CORE	Test fiber optic cables and connectors
E4	CORE	Test General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Test interconnecting cables and connectors
E4	CORE	Test power supplies
E4	NON-CORE	Test Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Troubleshoot Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Troubleshoot Alternating Current (AC) circuits
E4	CORE	Troubleshoot digital circuits
E4	CORE	Troubleshoot Direct Current (DC) circuits
E4	CORE	Troubleshoot electromechanical (synchro/servo) systems

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot fiber optic cables and connectors
E4	CORE	Troubleshoot General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Troubleshoot interconnecting cables and connectors
E4	CORE	Troubleshoot power supplies
E4	NON-CORE	Troubleshoot Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Validate Communications Security (COMSEC) materials

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E4	CORE	Configure combat systems for training and testing evolutions
E5	CORE	Train technicians in casualty control procedures

WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure Combat Information Center (CIC)/Combat Direction Center (CDC) systems for special evolutions
E4	CORE	Configure combat systems equipment
E4	CORE	Configure combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E4	CORE	Configure combat systems for Emission Control (EMCON) conditions
E4	CORE	Configure combat systems for special evolutions
E5	CORE	Configure Expeditionary Warfare (EXW) operations centers for special evolutions (e.g., Joint Operations Center (JOC), Tactical Operations Center (TOC), etc.)
E4	CORE	Configure systems to Commanding Officer's (CO) battle orders
E7	CORE	Coordinate Expeditionary Warfare (EXW) operations centers for special evolutions (e.g., Joint Operations Center (JOC), Tactical Operations Center (TOC), etc.)
E6	CORE	Manage Expeditionary Warfare (EXW) operations centers for special evolutions (e.g., Joint Operations Center (JOC), Tactical Operations Center (TOC), etc.)
E4	CORE	Perform Combat Systems Alignments (CSA)
E4	CORE	Perform external communications (i.e., ship-to-ship, ship-to-shore, and ship-to-air)
E4	CORE	Perform Pre-Planned Responses (PPR)
E4	CORE	Report combat systems equipment statuses
E4	CORE	Transition combat systems between conditions of readiness
E4	CORE	Update plotting and status boards
E5	CORE	Verify combat systems equipment configurations

Job Title **Job Code**

Electronics Radar Systems Technician 003725

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	ELECTRONICS RADAR SYSTEMS TEC	E RDR SYS TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ET	NEC IXXX, UXXX, VXXX, and 7XXX series and other NECs as assigned

Job Description

Electronics Radar Systems Technicians maintain surface search, air search, air traffic control, navigation, and weather radar systems, as well as inertial navigation systems, radar video switchboards, synchro, Identification Friend or Foe (IFF) equipment, and Tactical Air Navigation (TACAN) equipment, including all associated cabling, cooling water, and dry air systems; analyze equipment operation and align, troubleshoot, and repair equipment to the lowest replaceable unit; execute casualty control procedures, restoring operability for all assigned electronic equipment, recognizing mission criticality and redundancies within systems; perform administrative functions that include updating casualty reporting messages, technical manuals, equipment maintenance records, and managing test equipment calibration requirements; complete fiber optic and basic soldering repair, electrical safety checks, and test equipment calibration; and supervise personnel who conduct tool and test equipment inventories, logistics support, and maintenance and testing of systems and equipment.

DoD Relationship

Group Title	*DoD Code*
Radio/Radar, General	110000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Electrical and Electronics Installers and Repairers, Transportation Equipment	49-2093.00	Installation, Maintenance, and Repair

Skills	Abilities
Quality Control Analysis	*Problem Sensitivity*
Operation Monitoring	*Inductive Reasoning*
Operation and Control	*Written Comprehension*
Systems Evaluation	*Information Ordering*
Equipment Maintenance	*Deductive Reasoning*
Complex Problem Solving	*Selective Attention*
Troubleshooting	*Control Precision*
Repairing	*Originality*
Management of Material Resources	*Written Expression*
Equipment Selection	*Oral Expression*

AUXILIARY EQUIPMENT AND SUPPORT SYSTEMS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Calibrate gauges (i.e., temperature and pressure)
E4	NON-CORE	Configure alarm, safety, and warning systems
E4	CORE	Configure audio recording systems (i.e., RD-674)
E4	CORE	Configure auxiliary air and cooling water systems
E4	NON-CORE	Configure calibration standards
E4	CORE	Configure digital to analog converters
E4	NON-CORE	Configure electronic security systems
E4	NON-CORE	Configure video communication systems
E4	NON-CORE	Configure video entertainment systems
E4	NON-CORE	Configure video monitoring systems
E4	NON-CORE	Configure vision enhancement equipment
E4	NON-CORE	Configure Visual Landing Aid (VLA) systems
E4	CORE	Perform preventive maintenance on alarm, safety, and warning systems
E4	CORE	Perform preventive maintenance on auxiliary air and cooling water systems
E4	CORE	Perform preventive maintenance on digital to analog converters
E4	CORE	Perform preventive maintenance on electronic security systems

AUXILIARY EQUIPMENT AND SUPPORT SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventive maintenance on video communication systems
E4	CORE	Perform preventive maintenance on video entertainment systems
E4	CORE	Perform preventive maintenance on video monitoring systems
E4	CORE	Perform preventive maintenance on vision enhancement equipment
E4	NON-CORE	Perform preventive maintenance on Visual Landing Aid (VLA) systems
E4	CORE	Repair alarm, safety, and warning systems
E4	CORE	Repair auxiliary air and cooling water systems
E4	CORE	Repair digital to analog converters
E4	CORE	Repair electronic security systems
E4	CORE	Repair video communication systems
E4	CORE	Repair video entertainment systems
E4	CORE	Repair video monitoring systems
E4	NON-CORE	Repair vision enhancement equipment
E4	NON-CORE	Repair Visual Landing Aid (VLA) systems
E4	CORE	Replace aloft equipment
E4	CORE	Replace electronic security systems and components
E4	CORE	Test alarm, safety, and warning systems
E4	CORE	Test auxiliary air and cooling water systems
E4	NON-CORE	Test calibration standards
E4	CORE	Test digital to analog converters
E4	CORE	Test electronic security systems
E4	CORE	Test video communication systems
E4	CORE	Test video entertainment systems
E4	CORE	Test video monitoring systems
E4	CORE	Test vision enhancement equipment
E4	NON-CORE	Test Visual Landing Aid (VLA) systems
E4	CORE	Troubleshoot alarm, safety, and warning systems
E4	CORE	Troubleshoot auxiliary air and cooling water systems
E4	NON-CORE	Troubleshoot calibration standards
E4	CORE	Troubleshoot digital to analog converters
E4	CORE	Troubleshoot electronic security systems
E4	CORE	Troubleshoot video communication systems
E4	CORE	Troubleshoot video entertainment systems
E4	CORE	Troubleshoot video monitoring systems
E4	NON-CORE	Troubleshoot vision enhancement equipment
E4	NON-CORE	Troubleshoot Visual Landing Aid (VLA) systems

COMMAND, CONTROL, COMPUTER, COMMUNICATION, AND INTELLIGENCE (C4I)

Paygrade	Task Type	Task Statements
E4	CORE	Configure Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) Command, Control, Computer, Communication, and Intelligence (C4I) systems (e.g., satellite systems)
E4	CORE	Configure computer and peripheral systems
E4	CORE	Configure cryptographic equipment
E4	CORE	Configure display systems
E4	CORE	Configure meteorological systems
E4	CORE	Configure network systems
E4	CORE	Configure routing and switching devices
E4	NON-CORE	Deploy Command, Control, Computer, Communication, and Intelligence (C4I) antenna systems
E4	CORE	Ensure correct system operation of routing and switching devices
E4	CORE	Inventory system software and firmware
E4	NON-CORE	Load cryptographic keying material
E5	CORE	Load image software
E4	NON-CORE	Maintain network security
E5	CORE	Manage database information
E4	CORE	Perform End of Mission Sanitizations (EOMS)
E4	NON-CORE	Perform Information Systems (IS) backups
E4	CORE	Perform preventive maintenance on Command, Control, Computer, Communication, and Intelligence (C4I) antenna systems
E4	CORE	Perform preventive maintenance on Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) Command, Control, Computer, Communication, and Intelligence (C4I) systems (e.g., satellite systems)
E4	CORE	Perform preventive maintenance on computer and peripheral systems
E4	NON-CORE	Perform preventive maintenance on cryptographic equipment
E4	CORE	Perform preventive maintenance on display systems
E4	NON-CORE	Perform preventive maintenance on meteorological systems
E4	CORE	Perform preventive maintenance on network systems
E4	CORE	Perform preventive maintenance on Radio Frequency (RF) circuits
E4	CORE	Perform preventive maintenance on routing and switching devices
E4	CORE	Repair Command, Control, Computer, Communication, and Intelligence (C4I) antenna systems
E4	CORE	Repair Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) Command, Control, Computer, Communication, and Intelligence (C4I) systems (e.g., satellite systems)
E4	CORE	Repair computer and peripheral systems
E4	CORE	Repair display systems
E4	NON-CORE	Repair meteorological systems
E4	CORE	Repair network systems
E4	CORE	Repair Radio Frequency (RF) circuits
E4	CORE	Repair routing and switching devices

COMMAND, CONTROL, COMPUTER, COMMUNICATION, AND INTELLIGENCE (C4I) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Replace cryptographic equipment
E4	CORE	Replace routing and switching devices
E4	NON-CORE	Set up cryptographic equipment
E4	CORE	Test Command, Control, Computer, Communication, and Intelligence (C4I) antenna systems
E4	CORE	Test Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) Command, Control, Computer, Communication, and Intelligence (C4I) systems (e.g., satellite systems)
E4	CORE	Test computer and peripheral systems
E4	CORE	Test cryptographic equipment
E4	CORE	Test display systems
E4	CORE	Test meteorological systems
E4	CORE	Test network systems
E4	CORE	Test Radio Frequency (RF) circuits
E4	CORE	Test routing and switching devices
E4	CORE	Troubleshoot Command, Control, Computer, Communication, and Intelligence (C4I) antenna systems
E4	CORE	Troubleshoot Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) Command, Control, Computer, Communication, and Intelligence (C4I) systems (e.g., satellite systems)
E4	CORE	Troubleshoot computer and peripheral systems
E4	CORE	Troubleshoot cryptographic equipment
E4	CORE	Troubleshoot display systems
E4	NON-CORE	Troubleshoot meteorological systems
E4	CORE	Troubleshoot network systems
E4	CORE	Troubleshoot Radio Frequency (RF) circuits
E4	CORE	Troubleshoot routing and switching devices
E4	CORE	Update Command, Control, Computer, Communication, and Intelligence (C4I) password accounts
E4	CORE	Update system software and firmware

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Collect equipment and system status data
E5	CORE	Derive operational requirements from technical briefs, notices, and bulletins
E4	CORE	Document equipment and system status data
E5	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E5	CORE	Implement Command, Control, Computer, Communication, and Intelligence (C4I) Communications Plans (COMPLANS)
E4	CORE	Inspect work areas, tools, and systems equipment
E4	CORE	Inventory controlled equipment
E4	CORE	Inventory Maintenance Assistance Modules (MAM)

EQUIPMENT ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Maintain preventive maintenance documents
E5	NON-CORE	Manage calibration programs
E4	CORE	Perform equipment validations
E5	CORE	Process equipment validations
E4	NON-CORE	Report Key Management Infrastructure (KMI) discrepancies
E5	CORE	Supervise controlled equipment inventories
E4	CORE	Supervise equipment installations, testing, and alterations (e.g., Field Change, System Operation Verification Test (SOVT), etc.)
E5	CORE	Supervise Maintenance Assistance Modules (MAM) usage
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center maintenance operations
E5	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E4	CORE	Update equipment status boards
E6	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)

EXPEDITIONARY OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure Expeditionary Warfare (EXW) electronic equipment
E4	CORE	Perform preventive maintenance on Expeditionary Warfare (EXW) electronic equipment
E4	CORE	Repair Expeditionary Warfare (EXW) electronic equipment
E4	CORE	Test Expeditionary Warfare (EXW) electronic equipment
E4	CORE	Troubleshoot Expeditionary Warfare (EXW) electronic equipment

RADAR, NAVIGATION, AND IDENTIFICATION SYSTEMS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Configure Identification Friend or Foe (IFF) systems
E4	NON-CORE	Configure Inertial Navigation Systems (INS)
E4	NON-CORE	Configure navigation distribution systems
E4	CORE	Configure navigation systems
E4	NON-CORE	Configure radar network systems
E4	CORE	Configure radar repeaters
E4	CORE	Configure radar switchboards
E4	CORE	Configure radar systems
E4	CORE	Configure ship's control console systems
E4	CORE	Configure ship's speed systems
E4	CORE	Configure steering control systems
E4	CORE	Configure Tactical Air Navigation (TACAN) systems
E4	CORE	Configure wind speed and direction systems
E4	NON-CORE	Extract data from navigation systems for diagnostics
E4	NON-CORE	Perform preventive maintenance on Identification Friend or Foe (IFF) systems
E4	NON-CORE	Perform preventive maintenance on Inertial Navigation Systems (INS)

RADAR, NAVIGATION, AND IDENTIFICATION SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventive maintenance on navigation distribution systems
E4	CORE	Perform preventive maintenance on navigation systems
E4	CORE	Perform preventive maintenance on radar network systems
E4	CORE	Perform preventive maintenance on radar repeaters
E4	CORE	Perform preventive maintenance on radar switchboards
E4	CORE	Perform preventive maintenance on radar systems
E4	CORE	Perform preventive maintenance on ship's control console systems
E4	CORE	Perform preventive maintenance on ship's speed systems
E4	CORE	Perform preventive maintenance on steering control systems
E4	CORE	Perform preventive maintenance on Tactical Air Navigation (TACAN) systems
E4	CORE	Perform preventive maintenance on wind speed and direction systems
E4	NON-CORE	Repair Identification Friend or Foe (IFF) systems
E4	NON-CORE	Repair Inertial Navigation Systems (INS)
E4	CORE	Repair navigation distribution systems
E4	CORE	Repair navigation systems
E4	CORE	Repair radar network systems
E4	CORE	Repair radar repeaters
E4	CORE	Repair radar switchboards
E4	CORE	Repair radar systems
E4	CORE	Repair ship's control console systems
E4	CORE	Repair ship's speed systems
E4	CORE	Repair steering control systems
E4	NON-CORE	Repair Tactical Air Navigation (TACAN) systems
E4	CORE	Repair wind speed and direction systems
E4	NON-CORE	Replace Inertial Navigation Systems (INS) components
E4	NON-CORE	Test Identification Friend or Foe (IFF) systems
E4	NON-CORE	Test Inertial Navigation Systems (INS)
E4	CORE	Test navigation distribution systems
E4	CORE	Test navigation systems
E4	CORE	Test radar network systems
E4	CORE	Test radar repeaters
E4	CORE	Test radar switchboards
E4	CORE	Test radar systems
E4	CORE	Test ship's control console systems
E4	CORE	Test ship's speed systems
E4	CORE	Test steering control systems
E4	CORE	Test Tactical Air Navigation (TACAN) systems
E4	CORE	Test wind speed and direction systems
E4	NON-CORE	Troubleshoot Identification Friend or Foe (IFF) systems
E4	NON-CORE	Troubleshoot Inertial Navigation Systems (INS)

RADAR, NAVIGATION, AND IDENTIFICATION SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot navigation distribution systems
E4	CORE	Troubleshoot navigation systems
E4	CORE	Troubleshoot radar network systems
E4	CORE	Troubleshoot radar repeaters
E4	CORE	Troubleshoot radar switchboards
E4	CORE	Troubleshoot radar systems
E4	CORE	Troubleshoot ship's control console systems
E4	CORE	Troubleshoot ship's speed systems
E4	CORE	Troubleshoot steering control systems
E4	NON-CORE	Troubleshoot Tactical Air Navigation (TACAN) systems
E4	CORE	Troubleshoot wind speed and direction systems
E5	CORE	Verify Identification Friend or Foe (IFF) systems
E5	CORE	Verify Inertial Navigation Systems (INS)
E5	CORE	Verify navigation distribution systems
E5	CORE	Verify navigation system configurations
E5	CORE	Verify radar repeaters configurations
E5	CORE	Verify radar switchboards configurations
E5	CORE	Verify radar systems configurations
E5	CORE	Verify ship's control console system configurations
E5	CORE	Verify ship's speed system configurations
E5	CORE	Verify steering control systems configuration
E5	CORE	Verify Tactical Air Navigation (TACAN) systems configurations
E5	CORE	Verify wind speed and direction systems configurations

TECHNICAL CORE FUNDAMENTALS

Paygrade	Task Type	Task Statements
E5	CORE	Analyze blueprints and ship's drawings
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E4	CORE	Analyze technical manuals
E4	CORE	Configure electromechanical (synchro/servo) systems
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Configure power supplies
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E5	CORE	Control Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) effects on electronic systems
E4	NON-CORE	Fabricate fiber optic cables and connectors
E4	CORE	Fabricate interconnecting cables and connectors
E4	CORE	Handle Communications Security (COMSEC) materials
E4	CORE	Inspect personal electronic equipment
E4	CORE	Inventory Communications Security (COMSEC) materials

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Perform basic soldering on electrical and electronic equipment
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform corrosion prevention and control procedures on electronic equipment and systems
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E4	CORE	Perform preventive maintenance on Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Perform preventive maintenance on Alternating Current (AC) circuits
E4	CORE	Perform preventive maintenance on digital circuits
E4	CORE	Perform preventive maintenance on Direct Current (DC) circuits
E4	CORE	Perform preventive maintenance on electromechanical (synchro/servo) systems
E4	CORE	Perform preventive maintenance on fiber optic cables and connectors
E4	CORE	Perform preventive maintenance on General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Perform preventive maintenance on interconnecting cables and connectors
E4	CORE	Perform preventive maintenance on power supplies
E4	CORE	Perform preventive maintenance on Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Receive Communications Security (COMSEC) materials
E4	NON-CORE	Repair Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Repair Alternating Current (AC) circuits
E4	CORE	Repair digital circuits
E4	CORE	Repair Direct Current (DC) circuits
E4	CORE	Repair electromechanical (synchro/servo) systems
E4	NON-CORE	Repair fiber optic cables and connectors
E4	CORE	Repair interconnecting cables and connectors
E4	CORE	Repair power supplies
E4	CORE	Replace Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Replace fiber optic cables
E4	CORE	Replace power supplies
E5	CORE	Report Electromagnetic Interference (EMI)
E4	CORE	Test Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Test Alternating Current (AC) circuits
E4	CORE	Test digital circuits
E4	CORE	Test Direct Current (DC) circuits
E4	CORE	Test electromechanical (synchro/servo) systems
E4	CORE	Test fiber optic cables and connectors
E4	CORE	Test General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Test interconnecting cables and connectors

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test power supplies
E4	NON-CORE	Test Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Troubleshoot Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Troubleshoot Alternating Current (AC) circuits
E4	CORE	Troubleshoot digital circuits
E4	CORE	Troubleshoot Direct Current (DC) circuits
E4	CORE	Troubleshoot electromechanical (synchro/servo) systems
E4	CORE	Troubleshoot fiber optic cables and connectors
E4	CORE	Troubleshoot General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Troubleshoot interconnecting cables and connectors
E4	CORE	Troubleshoot power supplies
E4	NON-CORE	Troubleshoot Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Validate Communications Security (COMSEC) materials

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E4	CORE	Configure combat systems for training and testing evolutions
E5	CORE	Train technicians in casualty control procedures

WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Calculate environmental range predictions
E4	CORE	Configure Combat Information Center (CIC)/Combat Direction Center (CDC) systems for special evolutions
E4	CORE	Configure combat systems equipment
E4	CORE	Configure combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E4	CORE	Configure combat systems for Emission Control (EMCON) conditions
E4	CORE	Configure combat systems for special evolutions
E4	CORE	Configure systems to Commanding Officer's (CO) battle orders
E4	CORE	Perform Combat Systems Alignments (CSA)
E4	CORE	Perform Pre-Planned Responses (PPR)
E4	CORE	Report combat systems equipment statuses
E4	CORE	Transition combat systems between conditions of readiness
E4	CORE	Update plotting and status boards
E5	CORE	Verify combat systems equipment configurations

Job Title **Job Code**

Electronics Systems Manager 003726

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	ELECTRONICS SYSTEMS MANAGER	ELEC SYS MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ET	NEC IXXX, UXXX, VXXX, and 7XXX series and other NECs as assigned

Job Description

Electronics Systems Managers supervise technicians and manage equipment and systems; train junior technicians in Personnel Qualification Standards (PQS) and casualty control procedures; coordinate watchstanding, maintenance, troubleshooting, and testing efforts between work centers, divisions, departments, and contractors; report equipment capabilities, limitations, and reliability to senior personnel when there is degradation in mission capability; establish and monitor safety programs and instructions for personnel and platforms; supervise training programs; coordinate support, certifications, and inspections with outside activities; and draft and update Combat System Operational Sequence System (CSOSS) procedures, Standard Operating Procedures (SOP), Job Qualification Requirements (JQR), casualty reports, and technical manuals.

DoD Relationship

Group Title	*DoD Code*
Radio/Radar, General	110000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Mechanics, Installers, and Repairers	49-1011.00	Installation, Maintenance, and Repair

Skills	Abilities
Coordination	*Information Ordering*
Management of Material Resources	*Oral Expression*
Systems Analysis	*Inductive Reasoning*
Operation and Control	*Written Comprehension*
Quality Control Analysis	*Category Flexibility*
Management of Personnel Resources	*Problem Sensitivity*
Judgment and Decision Making	*Written Expression*
Operation Monitoring	*Deductive Reasoning*
Reading Comprehension	*Selective Attention*
Systems Evaluation	*Speech Clarity*

AUXILIARY EQUIPMENT AND SUPPORT SYSTEMS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Configure alarm, safety, and warning systems
E4	NON-CORE	Configure Visual Landing Aid (VLA) systems
E4	CORE	Perform preventive maintenance on alarm, safety, and warning systems
E4	NON-CORE	Perform preventive maintenance on Visual Landing Aid (VLA) systems
E4	NON-CORE	Repair Visual Landing Aid (VLA) systems
E4	NON-CORE	Test Visual Landing Aid (VLA) systems
E5	CORE	Validate auxiliary air and cooling water system configurations

COMMAND, CONTROL, COMPUTER, COMMUNICATION, AND INTELLIGENCE (C4I)

Paygrade	Task Type	Task Statements
E5	CORE	Administer Command, Control, Computer, Communication, and Intelligence (C4I) password accounts
E5	CORE	Manage database information
E6	NON-CORE	Manage network security
E6	CORE	Manage system software and firmware operations
E4	CORE	Perform End of Mission Sanitizations (EOMS)
E5	NON-CORE	Supervise network security

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Approve equipment installations, testing, and alterations (e.g., Field Change, System Operation Verification Test (SOVT), etc.)
E4	CORE	Collect equipment and system status data
E7	CORE	Coordinate equipment certifications and recertifications
E7	CORE	Coordinate equipment installations, testing, and alterations (e.g., Field Change, System Operation Verification Test (SOVT), etc.)
E5	CORE	Derive operational requirements from technical briefs, notices, and bulletins
E6	NON-CORE	Develop Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E6	CORE	Develop equipment status boards
E4	CORE	Document equipment and system status data
E6	CORE	Draft Casualty Reports (CASREP)
E5	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E4	CORE	Inspect work areas, tools, and systems equipment
E4	CORE	Inventory controlled equipment
E5	CORE	Maintain preventive maintenance documents
E5	NON-CORE	Manage calibration programs
E6	CORE	Manage controlled equipment
E7	CORE	Manage divisional equipment and system configurations
E7	CORE	Manage divisional maintenance operations
E7	CORE	Manage equipment Casualty Reporting (CASREP) process
E6	CORE	Manage equipment certifications and recertifications
E6	CORE	Manage procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E7	CORE	Manage safety programs and instructions (e.g., aloft, electrical equipment, etc.)
E5	NON-CORE	Prepare local element Key Management Infrastructure (KMI) reports
E6	NON-CORE	Recommend Command, Control, Computer, Communication, and Intelligence (C4I) Communications Plans (COMPLANS)
E4	NON-CORE	Report Key Management Infrastructure (KMI) discrepancies
E5	CORE	Supervise controlled equipment inventories
E6	CORE	Supervise divisional equipment and system configurations
E6	CORE	Supervise divisional maintenance operations
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center maintenance operations
E5	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E4	CORE	Update equipment status boards
E6	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)
E6	CORE	Validate equipment installations, testing, and alterations (e.g., Field Change, System Operation Verification Test (SOVT), etc.)
E7	CORE	Verify equipment installations, testing, and alterations (e.g., Field Change, System Operation Verification Test (SOVT), etc.)

EQUIPMENT ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)

EXPEDITIONARY OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate expeditionary communications radio operations
E6	CORE	Develop expeditionary Communications Plans (COMPLANS)
E4	CORE	Ensure correct system operation of Expeditionary Warfare (EXW) electronic equipment
E5	CORE	Implement expeditionary Communications Plans (COMPLANS)
E5	CORE	Manage expeditionary communications radio operations
E4	CORE	Perform expeditionary communications radio operations
E5	CORE	Prepare Satellite Access Requests (SAR), Gateway Access Requests (GAR), After Action Reports (AAR), and End of Service Reports (ESR)
E4	CORE	Supervise expeditionary communications radio operations

TECHNICAL CORE FUNDAMENTALS

Paygrade	Task Type	Task Statements
E5	CORE	Analyze blueprints and ship's drawings
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E4	CORE	Analyze technical manuals
E5	CORE	Control Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) effects on electronic systems
E4	CORE	Handle Communications Security (COMSEC) materials
E4	CORE	Inventory Communications Security (COMSEC) materials
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E4	CORE	Receive Communications Security (COMSEC) materials
E5	CORE	Report Electromagnetic Interference (EMI)
E4	CORE	Validate Communications Security (COMSEC) materials

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E5	CORE	Conduct combat systems training and testing evolutions
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E7	CORE	Coordinate combat systems training and testing evolutions
E7	CORE	Coordinate personnel qualification and certification programs
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Manage personnel qualification and certification programs

TRAINING AND CERTIFICATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise combat systems training and testing evolutions
E5	CORE	Supervise personnel qualification and certification programs
E5	CORE	Train technicians in casualty control procedures

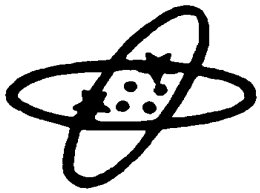
WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Brief tactical, operational, and situational status reports
E5	NON-CORE	Calculate environmental range predictions
E5	CORE	Configure Expeditionary Warfare (EXW) operations centers for special evolutions (e.g., Joint Operations Center (JOC), Tactical Operations Center (TOC), etc.)
E4	CORE	Configure systems to Commanding Officer's (CO) battle orders
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions (e.g., Underway Replenishment (UNREP), flight operations, etc.)
E7	CORE	Coordinate Combat Systems Alignment (CSA) evolutions
E7	CORE	Coordinate combat systems during casualty conditions
E7	CORE	Coordinate combat systems during special evolutions
E7	CORE	Coordinate combat systems operations in port
E7	CORE	Coordinate combat systems operations underway
E7	CORE	Coordinate combat systems watch teams
E7	CORE	Coordinate configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E7	CORE	Coordinate configurations of combat systems for Emission Control (EMCON) conditions
E7	CORE	Coordinate Expeditionary Warfare (EXW) operations centers for special evolutions (e.g., Joint Operations Center (JOC), Tactical Operations Center (TOC), etc.)
E7	CORE	Coordinate safety program evolutions (e.g., fall protection, aloft, tag out, etc.)
E7	CORE	Coordinate transitions of combat systems between conditions of readiness
E7	CORE	Develop combat systems doctrine statements
E7	CORE	Evaluate Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines
E7	CORE	Implement Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines
E7	CORE	Input combat systems doctrine statements
E5	CORE	Interpret Naval messages
E7	CORE	Manage Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions (e.g., Underway Replenishment (UNREP), flight operations, etc.)
E6	CORE	Manage Combat Systems Alignment (CSA) evolutions
E6	CORE	Manage combat systems during casualty conditions
E6	CORE	Manage combat systems during special evolutions
E6	CORE	Manage combat systems operations in port

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage combat systems operations underway
E6	CORE	Manage combat systems watch teams
E6	CORE	Manage configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E6	CORE	Manage configurations of combat systems for Emission Control (EMCON) conditions
E6	CORE	Manage Expeditionary Warfare (EXW) operations centers for special evolutions (e.g., Joint Operations Center (JOC), Tactical Operations Center (TOC), etc.)
E6	CORE	Manage safety program evolutions (e.g., fall protection, aloft, tag out, etc.)
E6	CORE	Manage transitions of combat systems between conditions of readiness
E4	CORE	Perform Pre-Planned Responses (PPR)
E6	CORE	Recommend course corrections in support of tactical operations
E7	CORE	Report assignment and engagement status of own ship's combat systems
E4	CORE	Report combat systems equipment statuses
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions (e.g., Underway Replenishment (UNREP), flight operations, etc.)
E5	CORE	Supervise Combat Systems Alignment (CSA) evolutions
E5	CORE	Supervise combat systems during casualty conditions
E5	CORE	Supervise combat systems during special evolutions
E5	CORE	Supervise combat systems operations in port
E5	CORE	Supervise combat systems operations underway
E5	CORE	Supervise combat systems watch teams
E5	CORE	Supervise configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E5	CORE	Supervise configurations of combat systems for Emission Control (EMCON) conditions
E7	CORE	Supervise Overall Combat Systems Operability Testing (OCSOT)
E5	CORE	Supervise safety program evolutions (e.g., fall protection, aloft, tag out, etc.)
E5	CORE	Supervise transitions of combat systems between conditions of readiness
E4	CORE	Transition combat systems between conditions of readiness
E7	CORE	Validate combat systems doctrine statements
E7	CORE	Verify assignment and engagement status of own ship's combat systems
E6	CORE	Verify systems configurations to Commanding Officer's (CO) battle orders

CHAPTER 32



ELECTRONICS TECHNICIAN, NUCLEAR POWER (ETN)

NAVPERS 18068F-32K
Change 107

Updated: July 2026

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

ELECTRONICS TECHNICIAN, NUCLEAR POWER (ETN)

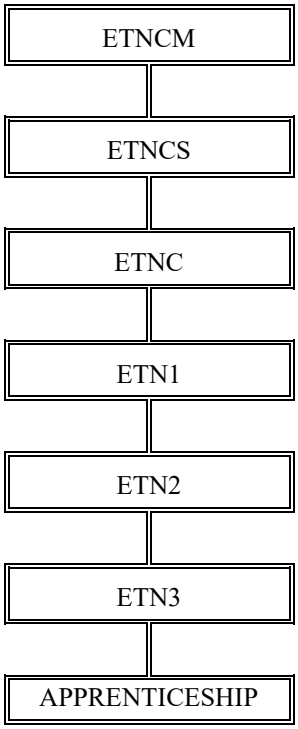
SCOPE OF RATING

Electronics Technicians, Nuclear Power (ETN) operate and maintain Naval Nuclear propulsion plants and associated equipment: supervise and administer Naval Nuclear propulsion plant operations; demonstrate knowledge of reactor, electrical, mechanical, and radiation theory involved in the operation of the nuclear reactor, steam plant, propulsion plant, and auxiliary equipment; demonstrate detailed knowledge of reactor and steam plant chemistry and radiological controls; operate and perform organizational and intermediate maintenance on electronic equipment used for propulsion plant control, instrumentation, measurement, alarm warning, power distribution, protection and airborne particulate radiation detection; operate General Purpose Test Equipment (GPTE) and auxiliary equipment; test, calibrate, maintain, and repair electronic and hydraulic-electric systems that support reactor plant operation on both submarines and surface ships.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 32.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Submarine Reactor Control Operator 003779

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	SUB REACTOR CONTROLS OP	SS REAC CNT OP

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ETN	NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Submarine Reactor Control Operators perform operations and basic preventive maintenance on electronic equipment used for reactor control, rod control, reactor protection and alarm systems, primary plant instrumentation, nuclear instrumentation, primary plant control, water level control, power electronics, and other electrical and electronic support equipment (e.g., Computer-Based Test (CBT) equipment, Shipboard Information Technology (SBIT)); demonstrate knowledge of reactor, electrical, mechanical, and radiation theory involved in the operation of nuclear reactors, steam plants, and auxiliary equipment; demonstrate detailed knowledge of chemistry and radiological controls associated with the nuclear reactor; supervise reactor plant shutdowns; perform critical work functions required to repair and maintain instrumentation and control equipment; and work under the supervision of a mentor while learning their trade or skill.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Nuclear Power	166100	Nuclear Power Reactor Operators	51-8011.00	Production

Skills	Abilities
Operation and Control	*Written Comprehension*
Operation Monitoring	*Problem Sensitivity*
Systems Evaluation	*Finger Dexterity*
Equipment Maintenance	*Manual Dexterity*
Management of Material Resources	*Deductive Reasoning*
Complex Problem Solving	*Inductive Reasoning*
Reading Comprehension	*Information Ordering*
Repairing	*Speed of Closure*
Troubleshooting	*Written Expression*
Critical Thinking	*Arm-Hand Steadiness*

ENGINEERING MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Perform tag-out procedures

INSTRUMENTATION AND CONTROLS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Clean propulsion plant systems and components
E4	CORE	Configure Computer-Based Test (CBT) equipment
E4	CORE	Inspect fiber optics
E4	CORE	Install fiber optics
E4	CORE	Perform preventive maintenance on Air Particulate Detectors (APD)
E4	CORE	Perform preventive maintenance on Computer-Based Test (CBT) equipment
E4	CORE	Perform preventive maintenance on electrical and mechanical propulsion plant detectors and gauges
E4	CORE	Perform preventive maintenance on fiber optics
E4	CORE	Perform preventive maintenance on instrumentation and control equipment (e.g., throttle controllers, circuit cards, resistive temperature detectors, pressure detectors, etc.)
E4	CORE	Perform preventive maintenance on nuclear instrumentation systems
E4	CORE	Perform preventive maintenance on power electronic systems

INSTRUMENTATION AND CONTROLS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventive maintenance on primary plant instrumentation systems
E4	CORE	Perform preventive maintenance on propulsion plant control systems
E4	CORE	Perform preventive maintenance on Reactor Control Systems (RCS)
E4	CORE	Perform preventive maintenance on reactor protection systems
E4	CORE	Perform preventive maintenance on rod control systems
E4	CORE	Perform preventive maintenance on Shipboard Information Technology (SBIT) networks
E4	CORE	Perform preventive maintenance on valve actuators
E4	NON-CORE	Perform preventive maintenance on voltage regulators
E4	CORE	Perform preventive maintenance on water level control systems
E4	NON-CORE	Perform preventive maintenance on wire-free communication systems
E4	CORE	Repair Air Particulate Detectors (APD)
E4	CORE	Repair Computer-Based Test (CBT) equipment
E4	CORE	Repair fiber optics
E4	CORE	Repair Shipboard Information Technology (SBIT) networks
E4	NON-CORE	Repair wire-free communication systems
E4	CORE	Troubleshoot Air Particulate Detectors (APD)
E4	CORE	Troubleshoot Computer-Based Test (CBT) equipment
E4	CORE	Troubleshoot fiber-optic components
E4	CORE	Troubleshoot Shipboard Information Technology (SBIT) networks
E4	NON-CORE	Troubleshoot wire-free communication systems

PROPULSION PLANT OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust electric plant lineups while shutdown
E4	CORE	Adjust propulsion plant system parameters using support systems (e.g., coolant charging, discharge, coolant purification, etc.)
E4	NON-CORE	Align air compressors (e.g., startup, shutdown, normal and casualty operations)
E4	CORE	Align Air Particulate Detectors (APD) (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align air systems associated with the propulsion plant (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align backup methods of propulsion (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align electrical and mechanical propulsion plant detectors and gauges (e.g., place on service, remove from service)
E4	CORE	Align emergency fill systems (e.g., casualty operations)
E4	CORE	Align fresh water cooling systems (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align main steam systems (e.g., startup, shutdown, normal, and casualty operations)

PROPULSION PLANT OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Align nuclear instrumentation systems (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align power electronic systems (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align primary plant instrumentation systems (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align propulsion plant control systems (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align Reactor Control Systems (RCS) (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align reactor plant support systems (e.g., startup, shutdown, normal, casualty operations)
E4	CORE	Align reactor protection systems (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align rod control systems (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align shielding systems (e.g., normal and casualty)
E4	NON-CORE	Align voltage regulators
E4	CORE	Align water level control systems (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Analyze propulsion plant system and component parameters for trends
E4	NON-CORE	Collect boiler water samples
E4	CORE	Complete valve and component lineups or checklists
E4	NON-CORE	Conduct boiler water blowdowns
E4	CORE	Manage Shipboard Information Technology (SBIT) networks
E4	CORE	Perform critical reactor plant operations (e.g., startup, shutdown, normal, and casualty)
E4	CORE	Perform main engine throttle operations
E4	CORE	Perform shutdown reactor plant operations (e.g., normal and casualty operations)
E4	CORE	Prepare valve and component lineups or checklists

RADIOLOGICAL CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Grant access to Radiological Controlled Areas (RCA)
E4	CORE	Maintain Radiological Controlled Area (RCA) records
E4	CORE	Perform radiological valve operations
E4	CORE	Survey Radiological Controlled Areas (RCA)
E4	CORE	Verify radiological records

Job Title **Job Code**

Surface Reactor Control Operator 003780

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	SUR REACTOR CONTROLS OP	SW REAC CNT OP

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ETN	NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Surface Reactor Control Operators perform operations and basic preventive maintenance on electronic equipment used for reactor control, rod control, reactor protection and alarm systems, primary plant instrumentation, nuclear instrumentation, primary plant control, water level control, power electronics, and other electrical and electronic support equipment (e.g., Computer-Based Test (CBT) equipment, Shipboard Information Technology (SBIT)); demonstrate knowledge of reactor, electrical, mechanical, and radiation theory involved in the operation of nuclear reactors, steam plants, and auxiliary equipment; demonstrate detailed knowledge of chemistry and radiological controls associated with the nuclear reactor; supervise the shut down of reactor plant; perform critical work functions required to repair and maintain instrumentation and control equipment; and work under the supervision of a mentor while learning their trade or skill.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Nuclear Power	166100	Nuclear Power Reactor Operators	51-8011.00	Production

Skills	Abilities
Systems Evaluation	*Written Comprehension*
Equipment Maintenance	*Problem Sensitivity*
Operation and Control	*Finger Dexterity*
Operation Monitoring	*Deductive Reasoning*
Management of Material Resources	*Manual Dexterity*
Complex Problem Solving	*Inductive Reasoning*
Repairing	*Information Ordering*
Troubleshooting	*Speed of Closure*
Reading Comprehension	*Written Expression*
Critical Thinking	*Arm-Hand Steadiness*

ENGINEERING MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Perform tag-out procedures

INSTRUMENTATION AND CONTROLS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Clean propulsion plant systems and components
E4	CORE	Configure Computer-Based Test (CBT) equipment
E4	CORE	Inspect fiber optics
E4	CORE	Install fiber optics
E4	CORE	Perform preventive maintenance on Air Particulate Detectors (APD)
E4	CORE	Perform preventive maintenance on Computer-Based Test (CBT) equipment
E4	NON-CORE	Perform preventive maintenance on continuous chemical injection systems
E4	CORE	Perform preventive maintenance on electrical and mechanical propulsion plant detectors and gauges
E4	NON-CORE	Perform preventive maintenance on emergency fill initiation systems
E4	CORE	Perform preventive maintenance on fiber optics
E4	CORE	Perform preventive maintenance on instrumentation and control equipment (e.g., throttle controllers, circuit cards, resistive temperature detectors, pressure detectors, etc.)

INSTRUMENTATION AND CONTROLS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventive maintenance on nuclear instrumentation systems
E4	CORE	Perform preventive maintenance on power electronic systems
E4	CORE	Perform preventive maintenance on primary plant instrumentation systems
E4	CORE	Perform preventive maintenance on propulsion plant control systems
E4	CORE	Perform preventive maintenance on pump noise monitor
E4	CORE	Perform preventive maintenance on Reactor Control Systems (RCS)
E4	CORE	Perform preventive maintenance on reactor protection systems
E4	CORE	Perform preventive maintenance on rod control systems
E4	CORE	Perform preventive maintenance on Shipboard Information Technology (SBIT) networks
E4	CORE	Perform preventive maintenance on valve actuators
E4	CORE	Perform preventive maintenance on water level control systems
E4	NON-CORE	Perform preventive maintenance on wire-free communication systems
E4	CORE	Repair Air Particulate Detectors (APD)
E4	CORE	Repair Computer-Based Test (CBT) equipment
E4	NON-CORE	Repair continuous chemical injection systems
E4	CORE	Repair fiber optics
E4	CORE	Repair Shipboard Information Technology (SBIT) networks
E4	NON-CORE	Repair wire-free communication systems
E4	CORE	Troubleshoot Air Particulate Detectors (APD)
E4	CORE	Troubleshoot Computer-Based Test (CBT) equipment
E4	NON-CORE	Troubleshoot continuous chemical injection systems
E4	CORE	Troubleshoot fiber-optic components
E4	CORE	Troubleshoot Shipboard Information Technology (SBIT) networks
E4	NON-CORE	Troubleshoot wire-free communication systems

PROPULSION PLANT OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust propulsion plant system parameters using support systems (e.g., coolant charging, discharge, coolant purification, etc.)
E4	CORE	Align Air Particulate Detectors (APD) (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align electrical and mechanical propulsion plant detectors and gauges (e.g., place on service, remove from service)
E4	CORE	Align emergency fill systems (e.g., casualty operations)
E4	CORE	Align main steam systems (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align nuclear instrumentation systems (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align power electronic systems (e.g., startup, shutdown, normal, and casualty operations)

PROPULSION PLANT OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Align primary plant instrumentation systems (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align propulsion plant control systems (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align Reactor Control Systems (RCS) (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align reactor plant support systems (e.g., startup, shutdown, normal, casualty operations)
E4	CORE	Align reactor protection systems (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align rod control systems (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Align water level control systems (e.g., startup, shutdown, normal, and casualty operations)
E4	CORE	Analyze propulsion plant system and component parameters for trends
E4	CORE	Complete valve and component lineups or checklists
E4	CORE	Manage Shipboard Information Technology (SBIT) networks
E4	CORE	Perform critical reactor plant operations (e.g., startup, shutdown, normal, and casualty)
E4	CORE	Perform main engine throttle operations
E4	CORE	Perform shutdown reactor plant operations (e.g., normal and casualty operations)
E4	CORE	Prepare valve and component lineups or checklists

RADIOLOGICAL CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Grant access to Radiological Controlled Areas (RCA)
E4	CORE	Maintain Radiological Controlled Area (RCA) records
E4	CORE	Perform radiological valve operations
E4	CORE	Survey Radiological Controlled Areas (RCA)
E4	CORE	Verify radiological records

Job Title **Job Code**

Submarine Reactor Control Supervisor 003787

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	SUB REACTOR CONTROLS SUP	SS REAC CNTSUP

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ETN	NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Submarine Reactor Control Supervisors perform advanced reactor control operations and apply advanced level maintenance practices to reactor instrumentation and control equipment; supervise operations and maintenance assigned to the Reactor Control Division (RCD); review correspondence; perform audits of RCD programs; perform critical work functions; troubleshoot and repair equipment; perform consequence management; serve as Subject Matter Experts (SMEs); and mentor junior operators.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Nuclear Power	166100	First-Line Supervisors of Production and Operating Workers	51-1011.00	Production

Skills	Abilities
Complex Problem Solving	*Written Comprehension*
Management of Material Resources	*Deductive Reasoning*
Repairing	*Inductive Reasoning*
Troubleshooting	*Finger Dexterity*
Judgment and Decision Making	*Problem Sensitivity*
Writing	*Information Ordering*
Equipment Maintenance	*Number Facility*
Management of Personnel Resources	*Written Expression*
Monitoring	
Quality Control Analysis	

ENGINEERING MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Determine required retests following preventive maintenance or repairs
E5	CORE	Develop technical work documents
E6	CORE	Supervise propulsion plant watch section operations
E6	NON-CORE	Supervise Quality Assurance (QA) testing
E5	CORE	Verify valve and component lineups or checklists

INSTRUMENTATION AND CONTROLS MAINTENANCE

Paygrade	Task Type	Task Statements
E5	CORE	Perform calorimetric calibrations
E5	CORE	Repair electrical and mechanical propulsion plant detectors and gauges
E5	CORE	Repair instrumentation and control equipment (e.g., throttle controllers, circuit cards, resistive temperature detectors, pressure detectors, etc.)
E5	CORE	Repair nuclear instrumentation systems
E5	CORE	Repair power electronic systems
E5	CORE	Repair primary plant instrumentation systems
E5	CORE	Repair propulsion plant control systems
E5	CORE	Repair Reactor Control Systems (RCS)
E5	CORE	Repair reactor protection systems

INSTRUMENTATION AND CONTROLS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Repair rod control system
E5	CORE	Repair valve actuators
E5	NON-CORE	Repair voltage regulators
E5	CORE	Repair water level control systems
E5	CORE	Troubleshoot electrical and mechanical propulsion plant detectors and gauges
E5	CORE	Troubleshoot instrumentation and control equipment (e.g., throttle controllers, circuit cards, resistive temperature detectors, pressure detectors, etc.)
E5	CORE	Troubleshoot nuclear instrumentation systems
E5	CORE	Troubleshoot power electronic systems
E5	CORE	Troubleshoot primary plant instrumentation systems
E5	CORE	Troubleshoot propulsion plant control systems
E5	CORE	Troubleshoot Reactor Control Systems (RCS)
E5	CORE	Troubleshoot reactor protection systems
E5	CORE	Troubleshoot rod control system
E5	CORE	Troubleshoot valve actuators
E5	NON-CORE	Troubleshoot voltage regulators
E5	CORE	Troubleshoot water level control systems

Job Title **Job Code**

Surface Reactor Control Supervisor 003788

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	SUR REACTOR CONTROLS SUP	SW REAC CNTSUP

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ETN	NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Surface Reactor Control Supervisors perform advanced reactor control operations and apply advanced level maintenance practices to reactor instrumentation and control equipment; supervise operations and maintenance assigned to the Reactor Control Division (RCD); review correspondence; perform audits of RCD programs; perform critical work functions; troubleshoot and repair equipment; perform consequence management; serve as Subject Matter Experts (SMEs); and mentor junior operators.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Nuclear Power	166100	First-Line Supervisors of Production and Operating Workers	51-1011.00	Production

Skills	Abilities
Complex Problem Solving	*Written Comprehension*
Management of Material Resources	*Deductive Reasoning*
Repairing	*Inductive Reasoning*
Troubleshooting	*Finger Dexterity*
Judgment and Decision Making	*Problem Sensitivity*
Writing	*Information Ordering*
Equipment Maintenance	*Manual Dexterity*
Management of Personnel Resources	*Number Facility*
Monitoring	*Written Expression*
Quality Control Analysis	

ENGINEERING MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Determine required retests following preventive maintenance or repairs
E5	CORE	Develop technical work documents
E6	CORE	Supervise propulsion plant watch section operations
E6	NON-CORE	Supervise Quality Assurance (QA) testing
E5	CORE	Verify valve and component lineups or checklists

INSTRUMENTATION AND CONTROLS MAINTENANCE

Paygrade	Task Type	Task Statements
E5	CORE	Perform calorimetric calibrations
E5	CORE	Repair electrical and mechanical propulsion plant detectors and gauges
E5	NON-CORE	Repair emergency fill initiation systems
E5	CORE	Repair instrumentation and control equipment (e.g., throttle controllers, circuit cards, resistive temperature detectors, pressure detectors, etc.)
E5	CORE	Repair nuclear instrumentation systems
E5	CORE	Repair power electronic systems
E5	CORE	Repair primary plant instrumentation systems
E5	CORE	Repair propulsion plant control systems
E5	CORE	Repair pump noise monitor systems

INSTRUMENTATION AND CONTROLS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Repair Reactor Control Systems (RCS)
E5	CORE	Repair reactor protection systems
E5	CORE	Repair rod control system
E5	CORE	Repair valve actuators
E5	CORE	Repair water level control systems
E5	CORE	Troubleshoot electrical and mechanical propulsion plant detectors and gauges
E5	NON-CORE	Troubleshoot emergency fill initiation systems
E5	CORE	Troubleshoot instrumentation and control equipment (e.g., throttle controllers, circuit cards, resistive temperature detectors, pressure detectors, etc.)
E5	CORE	Troubleshoot nuclear instrumentation systems
E5	CORE	Troubleshoot power electronic systems
E5	CORE	Troubleshoot primary plant instrumentation systems
E5	CORE	Troubleshoot propulsion plant control systems
E5	CORE	Troubleshoot pump noise monitor systems
E5	CORE	Troubleshoot Reactor Control Systems (RCS)
E5	CORE	Troubleshoot reactor protection systems
E5	CORE	Troubleshoot rod control system
E5	CORE	Troubleshoot valve actuators
E5	CORE	Troubleshoot water level control systems

Job Title **Job Code**

Submarine Reactor Control Manager 003795

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	SUB REACTOR CONTROLS MGR	SS REAC CNTMGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ETN	NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Submarine Reactor Control Managers manage operations, maintenance, and training for personnel assigned to the Reactor Control Division and Engineering Department; review divisional and departmental correspondence; perform audits of divisional and departmental programs and training; facilitate fundamental training requirements for personnel and units; manage the repair and maintenance of equipment; and perform consequence management.

DoD Relationship

Group Title	*DoD Code*
Nuclear Power	166100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Production and Operating Workers	51-1011.00	Production

Skills

Quality Control Analysis
Monitoring
Reading Comprehension
Coordination
Management of Material Resources
Mathematics
Systems Analysis

Abilities

Problem Sensitivity
Written Comprehension
Inductive Reasoning
Number Facility
Written Expression

ENGINEERING MANAGEMENT

Paygrade	Task Type	Task Statements
E7	CORE	Audit chemistry records
E7	CORE	Audit Engineering and Reactor Department records
E7	CORE	Manage equipment modifications and modernization
E7	CORE	Supervise Reactor Control Division testing operations
E7	CORE	Supervise rod control testing
E7	CORE	Verify calorimetric calibrations

Job Title **Job Code**

Surface Reactor Control Manager 003796

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	SUR REACTOR CONTROLS MGR	SW REAC CNTMGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ETN	NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Surface Reactor Control Managers manage operations, maintenance, and training for personnel assigned to the Reactor Control Division and Reactor Department; review divisional and departmental correspondence and perform audits of divisional and departmental programs and training; facilitate fundamental training requirements for personnel and units; manage the repair and maintenance of equipment; and perform consequence management.

DoD Relationship

Group Title	*DoD Code*
Nuclear Power	166100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Production and Operating Workers	51-1011.00	Production

Skills

Quality Control Analysis
Monitoring
Reading Comprehension
Coordination
Management of Material Resources
Mathematics
Systems Analysis

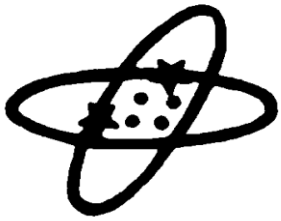
Abilities

Problem Sensitivity
Written Comprehension
Inductive Reasoning
Number Facility
Written Expression

ENGINEERING MANAGEMENT

Paygrade	Task Type	Task Statements
E7	CORE	Audit chemistry records
E7	CORE	Audit Engineering and Reactor Department records
E7	CORE	Manage equipment modifications and modernization
E7	CORE	Supervise Reactor Control Division testing operations
E7	CORE	Supervise rod control testing
E7	CORE	Verify calorimetric calibrations

CHAPTER 32



ELECTRONICS TECHNICIAN, SUBMARINE, NAVIGATION (ETV)

NAVPERS 18068F-32I
Change 107

Updated: July 2026

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

ELECTRONICS TECHNICIAN, SUBMARINE, NAVIGATION (ETV)

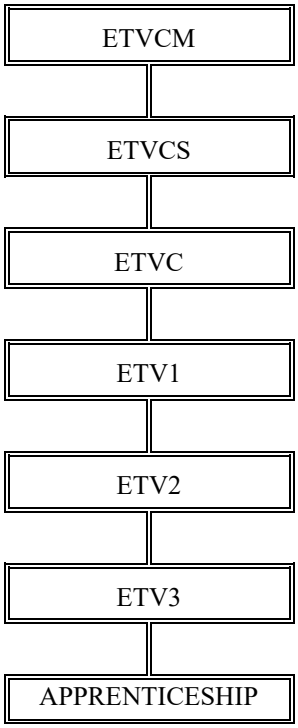
SCOPE OF RATING

Electronics Technicians, Submarine, Navigation (ETV) operate and perform maintenance on electronic equipment used for detection, tracking, recognition, and identification of maritime vessels and navigational aids; operate and perform maintenance on Interior Communications (IC), alarms, warnings and indicators, ship's control, entertainment, atmosphere control, instrumentation, and control systems; operate and maintain radar, gyrocompass, inertial navigation, and auxiliary equipment used to safely and accurately navigate all classes of submarines; maintain highly accurate navigation data for use by external systems and subsystems; develop and execute navigation plans; perform ship control, navigation, and lookout duties; procure, correct, use, and stow navigation publications and charts; and stand watch as assistants to Officers of the Deck (OOD) and navigators.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068H) as Chapter 32.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Submarine Navigation Operator 001182

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	SUBMARINE NAVIGATION OPERATOR	SUB NAV OPER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ETV	NEC TXXX, 7XXX series and other NECs as assigned

Job Description

Submarine Navigation Operators operate electronic equipment used for detection, tracking, recognition and identification of maritime vessels and aids to navigation; operate and perform preventive maintenance on Radio Detection and Ranging (RADAR) systems, Interior Communications (IC) circuits and systems, fathometers, Electronic Chart Display and Information System (ECDIS), alarm systems, ship's control stations, entertainment systems, Inertial Navigation System (INS), Central Atmosphere Monitoring System (CAMS), Navigation Processor Unit (NPU), Remote Interface Controller (RIC), liquid level detection and Tank Level Indication (TLI) circuits, flowmeters, pressure and temperature sensing circuits, valve position indicators, hovering systems, depth control systems, fiber optic systems, Linux-based systems, and missile compensation systems; procure, inventory, and update electronic charts and publications; prepare navigation voyage plans and maintain electronic navigation logs and records; stand navigation watches; advise and make reports to the Officer of the Deck (OOD) on Navigation Rules and Regulations, navigation plans, and other navigation matters; and report to/work under direct supervision of the Submarine Navigation Technician and Submarine Navigation Manager.

DoD Relationship

Group Title	*DoD Code*
Navigation, Communication and Countermeasure, N.E.C.	110200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094.00	Installation, Maintenance, and Repair

Skills	Abilities
Reading Comprehension	*Written Comprehension*
Equipment Maintenance	*Extent Flexibility*
Critical Thinking	*Deductive Reasoning*
Mathematics	*Inductive Reasoning*
Operation and Control	*Mathematical Reasoning*
Troubleshooting	*Problem Sensitivity*
Repairing	*Information Ordering*
Systems Evaluation	*Number Facility*
Complex Problem Solving	*Manual Dexterity*
Systems Analysis	*Selective Attention*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Compute celestial event times (e.g., sunrise/sunset, moonrise/moonset, high/low tides, etc.)
E4	CORE	Convert between Greenwich Mean Time (GMT) and Zone Time (ZT)
E4	CORE	Interpret schematic diagrams
E4	CORE	Maintain ship's entertainment media inventories
E4	CORE	Manage navigation records (e.g. deck logs, Electronic Chart Display and Information System (ECDIS) logs, position logs, fathometer logs, etc.,)
E4	CORE	Perform records management of navigation messages (e.g., Operational Orders (OPORD), Operations Schedule (OPSKED), Submarine Notices (SUBNOTE), etc.)
E5	CORE	Prepare navigational information data packages
E4	CORE	Supervise colors
E4	CORE	Update Strategic Weapons System (SWS) special publications

CHART PREPARATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Calculate turn information (e.g., slide bar, turn bearing, turn range, etc.)
E4	CORE	Create parameters for Submerged Navigation Envelope (SNE) (e.g., cross track error, red/yellow sounding, maximum operating depth, etc.)
E4	CORE	Establish voyage plans (e.g., Plan of Intended Movement (PIM), departure/arrival, Speed of Advance (SOA), etc.)
E4	CORE	Extract information from Naval messages (e.g., Operational Orders (OPORD), Operations Schedules (OPSKED), Submarine Notices (SUBNOTE), etc.)
E4	CORE	Extract modified chart data information from navigation publications
E4	CORE	Plot anchorages
E4	CORE	Plot moving havens
E4	CORE	Plot navigational hazards (e.g., danger ranges, danger bearings, shoal water, etc.)
E4	CORE	Prepare charts for navigation (e.g., voyage plan checklists, piloting checklists, etc.)
E4	CORE	Select charts for Navigation Plan (NAVPLAN)
E4	CORE	Update nautical charts (e.g., Electronic Navigational Chart (ENC), Submarine Electronic Navigation Chart (SMENC), etc.)

COMMUNICATIONS AND ALARM SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Derig shore telephone lines
E4	CORE	Install Portable Ship Control Units (PSCU)
E5	CORE	Perform corrective maintenance on Portable Ship Control Units (PSCU)
E5	CORE	Perform corrective maintenance on shore telephone systems
E5	CORE	Perform corrective maintenance on sound-powered telephone systems
E4	CORE	Perform preventive maintenance on alarm switchboards
E4	CORE	Perform preventive maintenance on liquid level alarm sensing devices
E4	CORE	Perform preventive maintenance on pressure alarm sensing devices
E4	CORE	Perform preventive maintenance on shore telephone systems
E4	CORE	Perform preventive maintenance on sound-powered telephone systems
E4	CORE	Remove Portable Ship Control Units (PSCU)
E4	CORE	Rig shore telephone lines

ELECTRONIC NAVIGATION SYSTEMS

Paygrade	Task Type	Task Statements
E5	CORE	Calibrate Electromagnetic (EM) log indicator transmitters
E4	CORE	Configure navigation subsystem equipment software
E4	CORE	Establish radar operating conditions (e.g., startup, shutdown, etc.)
E4	CORE	Establish required Electronic Chart Display and Information System (ECDIS) operating conditions (e.g., startup, shutdown, etc.)
E4	CORE	Evaluate Inertial Navigation Systems (INS) and subsystems performance
E5	CORE	Evaluate Strategic Weapons System (SWS) navigation subsystems
E4	CORE	Input navigation and voyage plans into the Electronic Chart Display and Information System (ECDIS)

ELECTRONIC NAVIGATION SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Interpret fathometer displays
E4	CORE	Interpret Inertial Navigation System (INS) data
E4	CORE	Interpret radar displays
E4	CORE	Obtain sounding data using fathometers
E5	CORE	Perform corrective maintenance on Electromagnetic (EM) log systems
E5	CORE	Perform corrective maintenance on gyrocompass systems
E5	CORE	Perform corrective maintenance on Inertial Navigation Systems (INS) and subsystems
E5	CORE	Perform corrective maintenance on navigation lights
E5	CORE	Perform corrective maintenance on radar systems (military and commercial)
E5	CORE	Perform corrective maintenance on synchro signal amplifiers
E4	CORE	Perform preventive maintenance on Electromagnetic (EM) log systems
E4	CORE	Perform preventive maintenance on gyrocompass systems
E4	CORE	Perform preventive maintenance on Inertial Navigation Systems (INS) and subsystems
E4	CORE	Perform preventive maintenance on radar systems (military and commercial)
E4	CORE	Perform preventive maintenance on Strategic Weapons System (SWS) navigation subsystems
E4	CORE	Perform preventive maintenance on synchro signal amplifiers

GENERAL ELECTRICAL SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Calibrate chronometers
E4	CORE	Establish Central Atmosphere Monitoring System (CAMS) conditions (e.g., startup, shutdown, standby, etc.)
E4	CORE	Manage red hat Linux-based systems
E5	CORE	Perform corrective maintenance on Central Atmosphere Monitoring System (CAMS) equipment
E5	CORE	Perform corrective maintenance on flow meter systems
E5	NON-CORE	Perform corrective maintenance on ship's entertainment systems
E5	CORE	Perform corrective maintenance on synchro repeaters
E4	CORE	Perform preventive maintenance on Aldis lamps
E4	CORE	Perform preventive maintenance on Central Atmosphere Monitoring System (CAMS) equipment
E4	CORE	Perform preventive maintenance on fiber optics systems
E4	CORE	Perform preventive maintenance on flow meter systems
E4	CORE	Perform preventive maintenance on mast position indication system components
E4	CORE	Perform preventive maintenance on pressure sensing devices
E4	CORE	Perform preventive maintenance on ship's entertainment systems
E4	CORE	Perform preventive maintenance on synchro repeaters
E4	CORE	Perform preventive maintenance on Tank Level Indicator (TLI) systems

GENERAL ELECTRICAL SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventive maintenance on temperature monitoring systems
E4	CORE	Perform preventive maintenance on valve control system components
E4	CORE	Perform preventive maintenance on valve position indicating system components

NAVIGATION AND PILOTING

Paygrade	Task Type	Task Statements
E4	CORE	Advise Officer of the Deck (OOD) of chain scope required for anchoring
E4	CORE	Advise Officer of the Deck (OOD) of ocean depth and bottom (e.g., while at anchor, during piloting, during submerged operations, etc.)
E4	CORE	Calculate environmental effects on ship's movements (e.g., wind, tide, set and drift, etc.)
E4	CORE	Calculate gyrocompass error
E4	CORE	Compare fathometer readings with charts
E4	CORE	Compare gyrocompass and inertial headings
E4	CORE	Compute advance and transfer
E4	CORE	Compute azimuths
E4	CORE	Compute course and speed made good
E4	CORE	Compute position uncertainty
E4	CORE	Compute radar and visual offset
E4	CORE	Convert between relative bearings and true bearings
E4	CORE	Correlate speed, time, and distance
E4	CORE	Evaluate radar information
E4	CORE	Evaluate ship's navigation and piloting information
E4	CORE	Fix ship's position (e.g., bearing and range to single point, latitude/longitude, multiple soundings, etc.)
E4	CORE	Identify reduced visibility situations
E4	CORE	Identify signal flags and pennant displays
E4	CORE	Interpret navigation sound signals (e.g., bell, gong, whistle, etc.)
E4	CORE	Obtain visual bearings (e.g., alidade, periscope, seaman's eye, etc.)
E4	CORE	Plot weather message information
E4	CORE	Provide courses for ship's positioning (e.g., precision anchoring, storm evasion, contact management, etc.)
E4	CORE	Provide recommended actions based on Navigation Rules and Regulations
E4	CORE	Report aids to navigation (e.g., buoy systems, natural or man-made navigation aids, navigation lights, etc.)
E4	CORE	Report distress signals (e.g., flares, whistles, flags/pennants, etc.)
E4	CORE	Rig bridge (e.g., dive, surface, in port, etc.)

POWER GENERATION AND DISTRIBUTION SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventive maintenance on Action Cut-Out (ACO) switchboards
E4	CORE	Perform preventive maintenance on Interior Communications (IC) and subsystems (e.g., Integrated Communication System (ICS), Army-Navy Wired Interior Communication (ANWIC), sound-powered phones, shore phones, etc.)
E4	CORE	Shift power sources using bus transfer devices (i.e., Automatic, Manual)

SHIP CONTROL SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Evaluate Ship's Control Station (SCS) using Diagnostic and Maintenance Computer (DMAC)
E4	CORE	Perform preventive maintenance on Ballast Control Panels (BCP) and subsystems
E4	CORE	Perform preventive maintenance on depth control systems
E4	CORE	Perform preventive maintenance on depth sensing systems
E4	CORE	Perform preventive maintenance on Ship Control Panels (SCP) and subsystems
E4	CORE	Perform preventive maintenance on ship's control system components

Job Title **Job Code**

Submarine Navigation Technician 001187

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	SUBMARINE NAVIGATION TEC	SUB NAV TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ETV	NEC TXXX, 7XXX series and other NECs as assigned

Job Description

Submarine Navigation Technicians maintain, troubleshoot, and repair electronic equipment used for detection, tracking, recognition, and identification of maritime vessels; operate and maintain Radio Detection and Ranging (RADAR) systems, Interior Communications (IC) circuits and systems, Electronic Chart Display and Information System (ECDIS), alarm systems, ship's control stations, entertainment systems, Inertial Navigation System (INS), Central Atmosphere Monitoring System (CAMS), Navigation Processor Unit (NPU), Remote Interface Controller (RIC), liquid level detection and Tank Level Indication (TLI) circuits, flowmeters, pressure and temperature sensing circuits, valve position indicators, hovering systems, depth control systems, fiber optic systems, Linux-based systems, and missile compensation systems; read and interpret schematics and block diagrams; apply working knowledge of electricity and electronics to repair equipment and interfacing devices; localize malfunctions and repair or replace faulty parts or subassemblies; align, adjust, calibrate, and perform corrective maintenance on navigation equipment; supervise maintenance and maintain navigation division records; train Submarine Navigation Operators; and report to/work under direct supervision of the Submarine Navigation Managers.

DoD Relationship

Group Title	*DoD Code*
Navigation, Communication, and Countermeasure, N.E.C.	110200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094.00	Installation, Maintenance, and Repair

Skills	Abilities
Troubleshooting	*Written Comprehension*
Repairing	*Inductive Reasoning*
Equipment Maintenance	*Deductive Reasoning*
Reading Comprehension	*Extent Flexibility*
Critical Thinking	*Multi-limb Coordination*
Mathematics	*Problem Sensitivity*
Operation and Control	*Information Ordering*
Systems Evaluation	*Mathematical Reasoning*
Systems Analysis	*Finger Dexterity*
Complex Problem Solving	*Number Facility*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Audit engineering documents (e.g., schematics, Technical Variance Documents (TVD), etc.)
E4	CORE	Convert between Greenwich Mean Time (GMT) and Zone Time (ZT)
E5	CORE	Create Quality Assurance (QA) packages
E4	CORE	Interpret schematic diagrams
E5	CORE	Manage navigation division maintenance programs
E4	CORE	Perform records management of navigation messages (e.g., Operational Orders (OPORD), Operations Schedule (OPSKED), Submarine Notices (SUBNOTE), etc.)
E5	CORE	Prepare navigational information data packages
E5	CORE	Prepare piloting and operations briefs
E4	CORE	Supervise colors

CHART PREPARATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Create parameters for Submerged Navigation Envelope (SNE) (e.g., cross track error, red/yellow sounding, maximum operating depth, etc.)
E4	CORE	Establish voyage plans (e.g., Plan of Intended Movement (PIM), departure/arrival, Speed of Advance (SOA), etc.)
E4	CORE	Extract information from Naval messages (e.g., Operational Orders (OPORD), Operations Schedules (OPSKED), Submarine Notices (SUBNOTE), etc.)
E4	CORE	Extract modified chart data information from navigation publications
E4	CORE	Manage navigation chart and publication allowances
E4	CORE	Plot moving havens
E4	CORE	Plot navigational hazards (e.g., danger ranges, danger bearings, shoal water, etc.)
E4	CORE	Prepare charts for navigation (e.g., voyage plan checklists, piloting checklists, etc.)
E4	CORE	Select charts for Navigation Plan (NAVPLAN)
E4	CORE	Update nautical charts (e.g., Electronic Navigational Chart (ENC), Submarine Electronic Navigation Chart (SMENC), etc.)

COMMUNICATIONS AND ALARM SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Derig shore telephone lines
E4	CORE	Install Portable Ship Control Units (PSCU)
E5	CORE	Perform corrective maintenance on alarm switchboards
E5	CORE	Perform corrective maintenance on liquid level alarm sensing devices
E5	CORE	Perform corrective maintenance on Portable Ship Control Units (PSCU)
E5	CORE	Perform corrective maintenance on pressure alarm sensing devices
E5	CORE	Perform corrective maintenance on shore telephone systems
E5	CORE	Perform corrective maintenance on sound-powered telephone systems
E4	CORE	Perform preventive maintenance on alarm switchboards
E4	CORE	Perform preventive maintenance on liquid level alarm sensing devices
E4	CORE	Perform preventive maintenance on pressure alarm sensing devices
E4	CORE	Perform preventive maintenance on shore telephone systems
E4	CORE	Perform preventive maintenance on sound-powered telephone systems
E4	CORE	Program shore telephone systems
E4	CORE	Remove Portable Ship Control Units (PSCU)
E4	CORE	Rig shore telephone lines

ELECTRONIC NAVIGATION SYSTEMS

Paygrade	Task Type	Task Statements
E5	CORE	Calibrate Electromagnetic (EM) log indicator transmitters
E4	CORE	Configure navigation subsystem equipment software
E4	CORE	Establish Inertial Navigation Systems (INS) and subsystems required operating conditions (e.g., startup, shutdown, navigate, etc.)
E4	CORE	Establish radar operating conditions (e.g., startup, shutdown, etc.)

ELECTRONIC NAVIGATION SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Establish required Electronic Chart Display and Information System (ECDIS) operating conditions (e.g., startup, shutdown, etc.)
E4	CORE	Evaluate Inertial Navigation Systems (INS) and subsystems performance
E5	CORE	Evaluate Strategic Weapons System (SWS) navigation subsystems
E4	CORE	Input navigation and voyage plans into the Electronic Chart Display and Information System (ECDIS)
E4	CORE	Interpret fathometer displays
E4	CORE	Interpret Inertial Navigation System (INS) data
E4	CORE	Interpret radar displays
E5	CORE	Perform corrective maintenance on Electromagnetic (EM) log systems
E5	CORE	Perform corrective maintenance on gyrocompass systems
E5	CORE	Perform corrective maintenance on Inertial Navigation Systems (INS) and subsystems
E5	CORE	Perform corrective maintenance on navigation lights
E5	CORE	Perform corrective maintenance on radar systems (military and commercial)
E5	CORE	Perform corrective maintenance on Strategic Weapons System (SWS) navigation subsystems
E5	CORE	Perform corrective maintenance on synchro signal amplifiers
E4	CORE	Perform preventive maintenance on Electromagnetic (EM) log systems
E4	CORE	Perform preventive maintenance on gyrocompass systems
E4	CORE	Perform preventive maintenance on Inertial Navigation Systems (INS) and subsystems
E4	CORE	Perform preventive maintenance on radar systems (military and commercial)
E4	CORE	Perform preventive maintenance on Strategic Weapons System (SWS) navigation subsystems
E4	CORE	Perform preventive maintenance on synchro signal amplifiers

GENERAL ELECTRICAL SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Establish Central Atmosphere Monitoring System (CAMS) conditions (e.g., startup, shutdown, standby, etc.)
E4	CORE	Manage red hat Linux-based systems
E5	CORE	Perform corrective maintenance on Central Atmosphere Monitoring System (CAMS) equipment
E5	CORE	Perform corrective maintenance on fiber optics systems
E5	CORE	Perform corrective maintenance on flow meter systems
E5	CORE	Perform corrective maintenance on mast position indication system components
E5	CORE	Perform corrective maintenance on pressure sensing devices
E5	NON-CORE	Perform corrective maintenance on ship's entertainment systems
E5	CORE	Perform corrective maintenance on synchro repeaters
E5	CORE	Perform corrective maintenance on Tank Level Indicator (TLI) system components

GENERAL ELECTRICAL SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Perform corrective maintenance on valve control system components
E5	CORE	Perform corrective maintenance on valve position indicating system components
E4	CORE	Perform preventive maintenance on fiber optics systems
E4	CORE	Perform preventive maintenance on flow meter systems
E4	CORE	Perform preventive maintenance on mast position indication system components
E4	CORE	Perform preventive maintenance on pressure sensing devices
E4	CORE	Perform preventive maintenance on ship's entertainment systems
E4	CORE	Perform preventive maintenance on synchro repeaters
E4	CORE	Perform preventive maintenance on Tank Level Indicator (TLI) systems
E4	CORE	Perform preventive maintenance on temperature monitoring systems
E4	CORE	Perform preventive maintenance on valve control system components
E4	CORE	Perform preventive maintenance on valve position indicating system components

NAVIGATION AND PILOTING

Paygrade	Task Type	Task Statements
E4	CORE	Advise Officer of the Deck (OOD) of chain scope required for anchoring
E4	CORE	Advise Officer of the Deck (OOD) of ocean depth and bottom (e.g., while at anchor, during piloting, during submerged operations, etc.)
E4	CORE	Calculate environmental effects on ship's movements (e.g., wind, tide, set and drift, etc.)
E4	CORE	Calculate gyrocompass error
E4	CORE	Compare fathometer readings with charts
E4	CORE	Compare gyrocompass and inertial headings
E4	CORE	Compute advance and transfer
E4	CORE	Compute azimuths
E4	CORE	Compute course and speed made good
E4	CORE	Compute position uncertainty
E4	CORE	Compute radar and visual offset
E4	CORE	Convert between relative bearings and true bearings
E4	CORE	Correlate speed, time, and distance
E4	CORE	Evaluate radar information
E4	CORE	Evaluate ship's navigation and piloting information
E4	CORE	Fix ship's position (e.g., bearing and range to single point, latitude/longitude, multiple soundings, etc.)
E4	CORE	Identify reduced visibility situations
E4	CORE	Identify signal flags and pennant displays
E4	CORE	Interpret navigation sound signals (e.g., bell, gong, whistle, etc.)

POWER GENERATION AND DISTRIBUTION SYSTEMS

Paygrade	Task Type	Task Statements
E5	CORE	Perform corrective maintenance on Action Cut-Out (ACO) switchboard
E5	CORE	Perform corrective maintenance on Interior Communications (IC) and subsystems (e.g., Integrated Communication System (ICS), Army-Navy Wired Interior Communication (ANWIC), sound-powered phones, shore phones, etc.)

SHIP CONTROL SYSTEMS

Paygrade	Task Type	Task Statements
E5	CORE	Perform corrective maintenance on Ballast Control Panels (BCP) and subsystems
E5	CORE	Perform corrective maintenance on depth control systems
E5	CORE	Perform corrective maintenance on depth sensing systems
E5	CORE	Perform corrective maintenance on Ship Control Panels (SCP) and subsystems
E5	CORE	Perform corrective maintenance on ship's angle indicator systems
E5	NON-CORE	Perform corrective maintenance on Ship's Control Station (SCS) and subsystems
E5	CORE	Perform corrective maintenance on ship's control system components
E4	CORE	Perform preventive maintenance on Ballast Control Panels (BCP) and subsystems
E4	CORE	Perform preventive maintenance on depth control systems
E4	CORE	Perform preventive maintenance on depth sensing systems
E4	CORE	Perform preventive maintenance on Ship Control Panels (SCP) and subsystems
E4	NON-CORE	Perform preventive maintenance on Ship's Control Station (SCS) and subsystems
E4	CORE	Perform preventive maintenance on ship's control system components

Job Title **Job Code**

Submarine Navigation Manager 001192

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	SUBMARINE NAVIGATION MANAGER	SUB NAV MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ETV	NEC TXXX, 7XXX series and other NECs as assigned

Job Description

Submarine Navigation Managers develop and evaluate navigation training; audit division records; coordinate division maintenance and equipment modifications; draft and review Naval correspondence; develop watch bills and shipboard navigation instructions; evaluate navigation team performance; supervise maintenance quality control; supervise the repair of electronic systems and subsystems; use accounting procedures to maintain control of inventories and work flow; estimate time and support required for repair of equipment; provide technical and supervisory liaison between work centers and external entities; certify inventory and update electronic navigation charts and publications; review navigation plans and voyage plans based on assigned operational tasking; train and supervise the Submarine Navigation Operators and Submarine Navigation Technicians in the performance of their assigned tasks and duties; train and advise the Officer of the Deck (OOD), Navigator, and Commanding Officer regarding the Navigation Rules and Regulations, current operations, and navigation requirements; apply navigational and technical expertise as senior ETVs.

DoD Relationship

Group Title	*DoD Code*
Navigation, Communication, and Countermeasure, N.E.C.	110200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Mechanics, Installers, and Repairers	49-1011.00	Installation, Maintenance, and Repair

Skills	Abilities
Critical Thinking	*Written Comprehension*
Complex Problem Solving	*Deductive Reasoning*
Coordination	*Information Ordering*
Reading Comprehension	*Inductive Reasoning*
Management of Personnel Resources	*Selective Attention*
Judgment and Decision Making	*Problem Sensitivity*
Management of Material Resources	*Written Expression*
Writing	*Oral Expression*
Mathematics	*Fluency of Ideas*
Operation and Control	*Mathematical Reasoning*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Audit engineering documents (e.g., schematics, Technical Variance Documents (TVD), etc.)
E6	CORE	Audit equipment service logs (e.g., Central Atmosphere Monitoring System (CAMS), Ring Laser Gyro Navigator (RLGN), Ship Control Station (SCS), etc.)
E6	CORE	Audit navigation records (e.g. deck logs, Electronic Chart Display and Information System (ECDIS) logs, position logs, fathometer logs, etc.,)
E7	CORE	Audit Quality Assurance (QA) packages
E6	CORE	Brief navigation operations and piloting requirements
E6	CORE	Evaluate navigation exercises
E6	CORE	Evaluate piloting team performance
E4	CORE	Interpret schematic diagrams
E5	CORE	Manage navigation division maintenance programs
E5	CORE	Manage Preventive Maintenance Management Programs (PMMP)
E6	CORE	Plan operational missions (e.g., strategic patrols, coordinated operations, transits, etc.)
E5	CORE	Prepare local changes to navigation procedures (e.g., Standard Maintenance Procedures (SMP), Maintenance Requirements Cards (MRC), etc.)

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Prepare Naval messages (e.g., Operational Orders (OPORD), Operations Schedules (OPSKED), Submarine Notices (SUBNOTE), etc.)
E7	CORE	Prepare navigation exercises
E5	CORE	Prepare piloting and operations briefs
E4	CORE	Supervise colors
E5	NON-CORE	Supervise Quality Assurance (QA) testing procedures
E7	CORE	Verify local changes to navigation procedures (e.g., Standard Maintenance Procedures (SMP), Maintenance Requirements Cards (MRC), etc.)
E6	CORE	Verify Quality Assurance (QA) packages

CHART PREPARATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Certify navigation plans
E4	CORE	Establish voyage plans (e.g., Plan of Intended Movement (PIM), departure/arrival, Speed of Advance (SOA), etc.)
E4	CORE	Extract modified chart data information from navigation publications
E4	CORE	Manage navigation chart and publication allowances
E4	CORE	Select charts for Navigation Plan (NAVPLAN)

ELECTRONIC NAVIGATION SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Configure navigation subsystem equipment software
E4	CORE	Establish Inertial Navigation Systems (INS) and subsystems required operating conditions (e.g., startup, shutdown, navigate, etc.)
E4	CORE	Evaluate Inertial Navigation Systems (INS) and subsystems performance
E4	CORE	Interpret fathometer displays
E4	CORE	Interpret Inertial Navigation System (INS) data
E4	CORE	Interpret radar displays

NAVIGATION AND PILOTING

Paygrade	Task Type	Task Statements
E4	CORE	Advise Officer of the Deck (OOD) of chain scope required for anchoring
E4	CORE	Advise Officer of the Deck (OOD) of ocean depth and bottom (e.g., while at anchor, during piloting, during submerged operations, etc.)
E6	NON-CORE	Conduct strike group operations
E4	CORE	Evaluate ship's navigation and piloting information
E6	CORE	Supervise navigation teams

CHAPTER 34

FIRE CONTROLMAN
(FC)

NAVPERS 18068F-34J
Change 103

Updated: July 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

FIRE CONTROLMAN (FC)

SCOPE OF RATING

Fire Controlmen (FC) operate and employ surface ship combat and weapons direction systems; conduct detailed dynamic and deliberate fires planning and execution; maintain combat and weapons direction systems and subsystems, including radar systems, anti-air and anti-surface missile systems, land attack missile systems, and gun fire control systems at organizational and intermediate levels; conduct ordnance handling operations; inspect, test, align, and repair micro/minicomputers and associated peripheral equipment, network systems, data conversion units, data display equipment, data link terminal equipment, and system-related equipment; perform analysis for detailed systems, computer programs, electronics, and electronic casualty control and operate associated built-in and external test equipment; load, initialize, and run preprogrammed diagnostics, performance, and testing routines for digital computer equipment, digital systems, digital subsystems, and overall combat systems; and conduct shipboard Anti-Terrorism Force Protection (ATFP) security training and operations.

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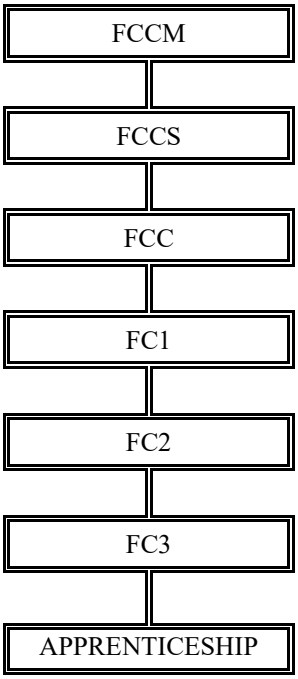
This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 34.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Fire Controlman

Job Code

003727

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	FIRE CONTROLMAN	FIRE CNTL

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	FC	NEC VXXX and 7XXX series and other NECs as assigned

Job Description

Fire Controlmen maintain, troubleshoot, repair, and collect data for combat, weapon, and weapon delivery systems, auxiliary equipment, network systems, computers, computer peripherals, displays, radar systems, optical systems, Micro-Miniature (2M), and fiber optics at organizational and intermediate maintenance levels; load and unload ordnance; operate and maintain Ordnance Handling Equipment (OHE); review and maintain system logs and records; initialize, configure, operate, and collect data for combat and weapons direction systems, radar systems, displays, and weapon consoles in both tactical and training environments; demonstrate comprehensive knowledge of warfare fundamentals and the fire control problem; build and maintain Situational Awareness (SA) in the operational environment; and provide weapon systems employment recommendations.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Missile Guidance and Control	112100	Artillery and Missile Crew Members	55-3014.00	Military Specific

Skills	Abilities
Quality Control Analysis	*Problem Sensitivity*
Operation and Control	*Written Comprehension*
Operation Monitoring	*Information Ordering*
Complex Problem Solving	*Inductive Reasoning*
Reading Comprehension	*Deductive Reasoning*
Systems Evaluation	*Oral Expression*
Management of Material Resources	*Written Expression*
Monitoring	*Finger Dexterity*
Repairing	*Control Precision*
Troubleshooting	*Manual Dexterity*

AIR WARFARE (AW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze air contacts
E6	CORE	Analyze Air Defense (AD) intelligence data
E6	CORE	Assign air contact priorities
E4	CORE	Assign symbology to air contacts
E6	CORE	Classify air contacts
E6	CORE	Coordinate engagement of air targets with anti-air weapons
E7	CORE	Develop Air Warfare (AW) Pre-Planned Responses (PPR)
E4	CORE	Engage air targets with anti-air weapons
E5	NON-CORE	Engage air targets with non-kinetic countermeasures
E4	CORE	Input Air Defense (AD) fire control parameters
E7	CORE	Manage battle group Air Defense (AD) operations
E6	CORE	Manage shipboard Air Defense (AD) operations
E4	CORE	Recommend air contact classifications
E5	CORE	Recommend air contact priorities
E4	CORE	Recommend Air Defense (AD) engagement tactics (e.g., course changes, weapon limitations, etc.)
E6	CORE	Recommend Air Defense (AD) search and engagement plans
E4	CORE	Report air contacts
E4	CORE	Report air engagement Battle Damage Assessments (BDA)

AIR WARFARE (AW) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Track air contacts
E6	CORE	Update air contact information

AUXILIARY AND SUPPORT SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Configure alarm, safety, and warning systems
E4	CORE	Configure auxiliary air and cooling water systems
E4	CORE	Configure power conversion and distribution systems
E4	CORE	Configure ventilation systems and components (e.g., ventilation dampers, fan coil assemblies, control panels, etc.)
E4	CORE	Perform preventive maintenance on alarm, safety, and warning systems
E4	CORE	Perform preventive maintenance on auxiliary air and cooling water systems
E4	CORE	Perform preventive maintenance on power conversion and distribution systems
E4	CORE	Perform preventive maintenance on ventilation systems and components (e.g., ventilation dampers, fan coil assemblies, control panels, etc.)
E4	CORE	Repair alarm, safety, and warning systems
E4	CORE	Repair auxiliary air and cooling water systems
E4	CORE	Repair power conversion and distribution systems
E4	CORE	Repair ventilation systems and components (e.g., ventilation dampers, fan coil assemblies, control panels, etc.)
E4	CORE	Test alarm, safety, and warning systems
E4	CORE	Test auxiliary air and cooling water systems
E4	CORE	Test power conversion and distribution systems
E4	CORE	Test ventilation systems and components (e.g., ventilation dampers, fan coil assemblies, control panels, etc.)
E4	CORE	Troubleshoot alarm, safety, and warning systems
E4	CORE	Troubleshoot auxiliary air and cooling water systems
E4	CORE	Troubleshoot power conversion and distribution systems
E4	CORE	Troubleshoot ventilation systems and components (e.g., ventilation dampers, fan coil assemblies, control panels, etc.)

COMPUTER SYSTEM ADMINISTRATION AND NETWORK SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Configure network systems
E4	NON-CORE	Configure Operating Systems (OS)
E4	NON-CORE	Install Operating Systems (OS)
E5	CORE	Inventory combat and weapon systems software and firmware
E4	CORE	Maintain combat and weapon systems accounts
E4	NON-CORE	Maintain network audit logs
E4	CORE	Maintain network security
E6	CORE	Manage combat and weapon systems software and firmware installations and updates
E6	CORE	Manage network security
E4	CORE	Perform preventive maintenance on network systems

COMPUTER SYSTEM ADMINISTRATION AND NETWORK SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Provide combat and weapon systems software and firmware installation and update assistance
E4	CORE	Repair network systems
E5	CORE	Supervise combat and weapon systems software and firmware installations and updates
E5	CORE	Supervise network security
E4	CORE	Test network systems
E4	CORE	Troubleshoot network systems
E4	NON-CORE	Troubleshoot Operating Systems (OS)

CREW-SERVED WEAPONS, SMALL ARMS, AND PHYSICAL SECURITY

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct Anti-Terrorism (AT) assessments
E4	NON-CORE	Conduct Visit Board Search and Seizure (VBSS) operations
E4	NON-CORE	Configure crew-served weapon mounts and stands
E4	NON-CORE	Configure small arms (e.g., grenade, line throwing, etc.)
E4	NON-CORE	Configure Visit Board Search and Seizure (VBSS) equipment
E4	CORE	Engage targets with crew-served weapons
E4	NON-CORE	Inventory Anti-Terrorism Force Protection (ATFP) equipment
E4	CORE	Inventory crew-served weapons
E4	CORE	Inventory small arms
E4	NON-CORE	Inventory Visit Board Search and Seizure (VBSS) equipment
E6	CORE	Manage crew-served weapons qualification programs
E5	NON-CORE	Manage small arms and crew-served weapons inventory programs (e.g., schedule, validate, etc.)
E6	NON-CORE	Manage small arms qualification programs
E7	NON-CORE	Manage Visit Board Search and Seizure (VBSS) operations
E4	CORE	Mount crew-served weapons
E4	CORE	Perform preventive maintenance on crew-served weapons
E4	CORE	Perform preventive maintenance on small arms
E4	NON-CORE	Repair crew-served weapon mounts and stands
E4	NON-CORE	Repair crew-served weapons
E4	NON-CORE	Repair small arms
E4	NON-CORE	Repair Visit Board Search and Seizure (VBSS) equipment
E6	NON-CORE	Supervise Visit Board Search and Seizure (VBSS) operations
E4	CORE	Test crew-served weapon mounts and stands
E4	CORE	Test crew-served weapons
E4	CORE	Test small arms
E4	NON-CORE	Test Visit Board Search and Seizure (VBSS) equipment
E5	NON-CORE	Train personnel in crew-served weapons
E5	NON-CORE	Train personnel in small arms
E5	NON-CORE	Transfer custody of small arms

CREW-SERVED WEAPONS, SMALL ARMS, AND PHYSICAL SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Transport weapons
E4	NON-CORE	Troubleshoot crew-served weapon mounts and stands
E4	NON-CORE	Troubleshoot crew-served weapons
E4	NON-CORE	Troubleshoot small arms
E4	NON-CORE	Troubleshoot Visit Board Search and Seizure (VBSS) equipment
E4	CORE	Unmount crew-served weapons

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Analyze combat and weapon systems data
E4	CORE	Collect system performance data
E4	CORE	Collect system status data
E4	CORE	Conduct Combat Systems Alignments (CSA)
E4	CORE	Conduct equipment validations
E6	CORE	Develop Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E4	CORE	Document system statuses
E6	CORE	Draft Casualty Reports (CASREP)
E5	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E5	CORE	Implement technical briefs, notices, and bulletins
E4	CORE	Inspect work areas, tools, and equipment
E4	CORE	Inventory combat and weapon systems test equipment
E4	CORE	Inventory controlled equipment
E5	CORE	Inventory Maintenance Assistance Modules (MAM)
E5	CORE	Maintain preventive maintenance documents
E4	CORE	Maintain system status logs
E5	CORE	Manage combat and weapon systems test equipment
E6	CORE	Manage Combat Systems Alignment (CSA) evolutions
E6	CORE	Manage controlled equipment
E6	CORE	Manage equipment material certifications and recertifications
E5	NON-CORE	Manage tactical data recordings
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E5	CORE	Process equipment validations
E4	CORE	Provide equipment installation and alteration assistance
E4	CORE	Provide equipment material certifications and recertifications assistance
E4	NON-CORE	Record tactical data
E5	CORE	Supervise controlled equipment inventories
E6	CORE	Supervise divisional equipment and system configurations
E6	CORE	Supervise divisional maintenance operations
E5	CORE	Supervise equipment installations, testing, and alterations
E5	CORE	Supervise equipment material certifications and recertifications

EQUIPMENT ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise Maintenance Assistance Modules (MAM) usage
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center maintenance operations
E5	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E5	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)
E6	CORE	Verify equipment installations, testing, and alterations

FIRE CONTROL SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Align radar systems
E4	CORE	Configure computer and peripheral systems
E4	NON-CORE	Configure data links
E4	CORE	Configure display systems
E4	CORE	Configure gun weapon systems
E4	CORE	Configure missile delivery systems
E4	CORE	Configure radar systems
E4	CORE	Configure weapon systems optics
E4	CORE	Perform preventive maintenance on computer and peripheral systems
E4	NON-CORE	Perform preventive maintenance on data links
E4	CORE	Perform preventive maintenance on display systems
E4	CORE	Perform preventive maintenance on gun weapon systems
E4	CORE	Perform preventive maintenance on missile delivery systems
E4	CORE	Perform preventive maintenance on radar systems
E4	CORE	Perform preventive maintenance on weapon systems optics
E4	CORE	Repair computer and peripheral systems
E4	NON-CORE	Repair data links
E4	CORE	Repair display systems
E4	CORE	Repair gun weapon systems
E4	CORE	Repair missile delivery systems
E4	CORE	Repair radar systems
E4	CORE	Repair weapon systems optics
E4	CORE	Test computer and peripheral systems
E4	NON-CORE	Test data links
E4	CORE	Test display systems
E4	CORE	Test gun weapon systems
E4	CORE	Test missile delivery systems
E4	CORE	Test radar systems
E4	CORE	Test weapon systems optics
E4	CORE	Troubleshoot computer and peripheral systems
E4	NON-CORE	Troubleshoot data links
E4	CORE	Troubleshoot display systems

FIRE CONTROL SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot gun weapon systems
E4	CORE	Troubleshoot missile delivery systems
E4	CORE	Troubleshoot radar systems
E4	CORE	Troubleshoot weapon systems optics

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Activate magazine sprinkler systems
E4	CORE	Conduct gun weapon systems uploading and downloading
E4	CORE	Conduct missile delivery systems uploading and downloading
E4	CORE	Conduct ordnance handling evolutions
E4	CORE	Configure magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	NON-CORE	Configure Material Handling Equipment (MHE)
E4	CORE	Configure Ordnance Handling Equipment (OHE)
E5	CORE	Coordinate Material Handling Equipment (MHE) testing
E5	CORE	Coordinate Ordnance Handling Equipment (OHE) testing
E6	CORE	Coordinate weapons casualty evolutions
E4	CORE	Deactivate magazine sprinkler systems
E4	CORE	Inspect ordnance
E4	CORE	Inspect ordnance containers
E4	CORE	Inspect ordnance magazines and lockers
E4	CORE	Inventory ordnance
E6	CORE	Manage gun weapon systems uploading and downloading
E6	CORE	Manage missile delivery systems uploading and downloading
E6	CORE	Manage ordnance handling evolutions
E6	CORE	Manage ordnance handling qualification programs
E6	CORE	Manage ordnance inventories
E6	CORE	Manage ordnance magazine and locker inspections
E6	CORE	Manage ordnance stowage
E6	CORE	Monitor ordnance handling evolutions (Quality Assurance Safety Observer (QASO))
E4	CORE	Pack ordnance
E4	CORE	Perform Material Handling Equipment (MHE) operations
E4	CORE	Perform Ordnance Handling Equipment (OHE) operations
E4	CORE	Perform preventive maintenance on magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	CORE	Perform preventive maintenance on magazine sprinkler systems
E4	CORE	Perform preventive maintenance on Material Handling Equipment (MHE)
E4	CORE	Perform preventive maintenance on Ordnance Handling Equipment (OHE)
E4	CORE	Perform preventive maintenance on weapons hoists
E4	CORE	Perform weapons casualty procedures
E4	CORE	Perform weapons hoist operations

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	NON-CORE	Repair magazine sprinkler systems
E4	NON-CORE	Repair Material Handling Equipment (MHE)
E4	NON-CORE	Repair Ordnance Handling Equipment (OHE)
E4	CORE	Repair ordnance magazines and lockers
E4	NON-CORE	Repair weapons hoists
E4	CORE	Stow ordnance
E5	CORE	Supervise gun weapon systems uploading and downloading
E5	CORE	Supervise Material Handling Equipment (MHE) testing
E5	CORE	Supervise missile delivery systems uploading and downloading
E5	CORE	Supervise Ordnance Handling Equipment (OHE) testing
E5	CORE	Supervise ordnance handling evolutions
E5	CORE	Supervise ordnance inspections
E5	CORE	Supervise ordnance magazine and locker inspections
E5	CORE	Supervise ordnance stowage
E5	CORE	Supervise weapons casualty evolutions
E4	CORE	Test magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	CORE	Test magazine sprinkler systems
E4	CORE	Test Material Handling Equipment (MHE)
E4	CORE	Test Ordnance Handling Equipment (OHE)
E4	CORE	Test weapons hoists
E6	CORE	Transfer custody of ordnance
E4	CORE	Transport small arms ordnance
E4	CORE	Troubleshoot magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	NON-CORE	Troubleshoot magazine sprinkler systems
E4	NON-CORE	Troubleshoot Material Handling Equipment (MHE)
E4	NON-CORE	Troubleshoot Ordnance Handling Equipment (OHE)
E4	NON-CORE	Troubleshoot weapons hoists
E4	CORE	Unpack ordnance

STRIKE WARFARE (STW) OPERATIONS

Paygrade	Task Type	Task Statements
E6	NON-CORE	Analyze Operational Orders (OPORD) and pre-assigned fire mission messages
E4	NON-CORE	Create strike weapon plans and plots
E4	NON-CORE	Deliver deliberate fires support with strike weapons
E4	NON-CORE	Deliver dynamic fires support with strike weapons
E5	NON-CORE	Draft post strike execution reports
E4	NON-CORE	Perform strike weapon deconflictions
E4	NON-CORE	Select ordnance for dynamic and deliberate strike operations

SURFACE WARFARE (SUW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze surface contacts
E6	CORE	Analyze Surface Warfare (SUW) intelligence data
E6	CORE	Assign surface contact priorities
E4	CORE	Assign symbology to surface contacts
E6	CORE	Classify surface contacts
E6	CORE	Compare surface weapons targeting solutions
E6	CORE	Coordinate engagement of surface targets with anti-surface weapons
E6	CORE	Coordinate inorganic Surface Warfare (SUW) assets
E4	CORE	Correlate Surface Warfare (SUW) targeting data
E7	CORE	Develop Surface Warfare (SUW) Pre-Planned Responses (PPR)
E4	CORE	Engage surface targets with anti-surface weapons
E4	CORE	Input Surface Warfare (SUW) fire control parameters
E7	CORE	Manage battle group Surface Warfare (SUW) operations
E6	CORE	Manage shipboard Surface Warfare (SUW) operations
E4	CORE	Recommend surface contact classifications
E5	CORE	Recommend surface contact priorities
E4	CORE	Recommend Surface Warfare (SUW) engagement tactics (e.g., course changes, weapon limitations, etc.)
E6	CORE	Recommend Surface Warfare (SUW) search and engagement plans
E4	CORE	Report surface contacts
E4	CORE	Report surface engagement Battle Damage Assessments (BDA)
E4	CORE	Track surface contacts
E6	CORE	Update surface contact information

TECHNICAL CORE FUNDAMENTALS

Paygrade	Task Type	Task Statements
E4	CORE	Align valves
E4	CORE	Analyze blueprints and ship's drawings
E4	CORE	Analyze equipment schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E4	CORE	Analyze technical manuals
E4	CORE	Configure combat and weapon systems equipment
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E4	NON-CORE	Configure power supplies
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Control Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) effects on electronic systems
E5	CORE	Manage Combat Systems Operational Sequencing System (CSOSS) operations
E6	CORE	Manage safety programs and instructions (e.g., aloft, electrical equipment, etc.)
E5	CORE	Manage technical manuals
E4	NON-CORE	Perform basic soldering on electrical and electronic equipment

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform corrosion prevention and control procedures on combat and weapon systems
E4	CORE	Perform preventive maintenance on Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Perform preventive maintenance on Alternating Current (AC) circuits
E4	CORE	Perform preventive maintenance on digital circuits
E4	CORE	Perform preventive maintenance on Direct Current (DC) circuits
E4	CORE	Perform preventive maintenance on electromechanical (synchro/servo) systems
E4	CORE	Perform preventive maintenance on interconnecting cables and connectors
E4	CORE	Perform preventive maintenance on power supplies
E4	CORE	Perform preventive maintenance on Radio Frequency (RF) circuits
E4	CORE	Perform preventive maintenance on valves
E4	CORE	Repair Alternating Current (AC) circuits
E4	CORE	Repair digital circuits
E4	CORE	Repair Direct Current (DC) circuits
E4	CORE	Repair electromechanical (synchro/servo) systems
E4	NON-CORE	Repair fiber optic cables and connectors
E4	NON-CORE	Repair power supplies
E4	CORE	Repair Radio Frequency (RF) circuits
E4	CORE	Repair valves
E4	CORE	Replace Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Replace interconnecting cables and connectors
E4	CORE	Replace power supplies
E4	CORE	Test Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Test Alternating Current (AC) circuits
E4	CORE	Test digital circuits
E4	CORE	Test Direct Current (DC) circuits
E4	CORE	Test electromechanical (synchro/servo) systems
E4	NON-CORE	Test fiber optic cables and connectors
E4	CORE	Test interconnecting cables and connectors
E4	CORE	Test power supplies
E4	CORE	Test Radio Frequency (RF) circuits
E4	CORE	Test valves
E4	CORE	Troubleshoot Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Troubleshoot Alternating Current (AC) circuits
E4	CORE	Troubleshoot digital circuits
E4	CORE	Troubleshoot Direct Current (DC) circuits
E4	CORE	Troubleshoot electromechanical (synchro/servo) systems

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Troubleshoot fiber optic cables and connectors
E4	CORE	Troubleshoot interconnecting cables and connectors
E4	CORE	Troubleshoot power supplies
E4	CORE	Troubleshoot Radio Frequency (RF) circuits
E4	CORE	Troubleshoot valves

WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Activate combat systems doctrine statements
E4	CORE	Analyze combat and weapon systems equipment statuses
E4	CORE	Analyze tactical operations data
E4	CORE	Analyze threat weapons data
E5	CORE	Brief tactical, operational, and situational status reports
E4	NON-CORE	Calculate environmental range predictions
E4	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E4	CORE	Configure Combat Information Center (CIC)/Combat Direction Center (CDC) systems for special evolutions (e.g., Pre-action Aim Calibration (PAC) fire, missile exercises, etc.)
E4	CORE	Configure combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E4	CORE	Configure external communication networks
E4	CORE	Configure internal communications networks
E4	CORE	Configure systems to Commanding Officer's (CO) battle orders
E7	CORE	Coordinate configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E4	NON-CORE	Derive requirements from Operational Orders (OPORD) and pre-assigned fire mission messages
E5	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E6	CORE	Direct execution of warfare commander's intentions
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E4	CORE	Interpret Naval messages
E4	CORE	Make operational and situational reports
E6	CORE	Manage combat and weapon systems operations in port
E6	CORE	Manage combat and weapon systems operations underway
E6	CORE	Manage Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions (e.g., Pre-action Aim Calibration (PAC) fire, missile exercises, etc.)
E6	CORE	Manage combat systems doctrine statements
E6	CORE	Manage combat systems during casualty conditions
E6	CORE	Manage combat systems watch teams
E6	CORE	Manage configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E6	CORE	Manage configurations of combat systems for Emission Control (EMCON) conditions
E4	NON-CORE	Manage database information
E6	CORE	Manage personnel qualification and certification programs
E6	CORE	Manage transitions of combat and weapon systems between conditions of readiness
E5	CORE	Perform external communications (ship-to-ship, ship-to-shore, and ship-to-air)
E4	CORE	Perform Pre-Planned Responses (PPR)
E4	CORE	Repair external communication networks
E4	CORE	Repair internal communications networks
E4	CORE	Report assignment and engagement statuses of own ship's weapons systems
E4	CORE	Report combat and weapon systems equipment statuses
E4	CORE	Set Emission Control (EMCON) conditions
E5	CORE	Supervise combat and weapon systems operations in port
E5	CORE	Supervise combat and weapon systems operations underway
E5	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions (e.g., Pre-action Aim Calibration (PAC) fire, missile exercises, etc.)
E5	CORE	Supervise combat systems during casualty conditions
E5	CORE	Supervise combat systems watch teams
E5	CORE	Supervise configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E5	CORE	Supervise configurations of combat systems for Emission Control (EMCON) conditions
E5	CORE	Supervise personnel qualification and certification programs
E5	CORE	Supervise transitions of combat and weapon systems between conditions of readiness
E4	CORE	Test external communication networks
E4	CORE	Test internal communications networks
E4	CORE	Transition combat and weapon systems between conditions of readiness
E4	CORE	Troubleshoot external communication networks

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot internal communications networks
E4	CORE	Update plotting and status boards
E4	CORE	Verify Emission Control (EMCON) statuses
E5	CORE	Verify Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF) conditions
E5	CORE	Verify systems configurations to Commanding Officer's (CO) battle orders

Job Title **Job Code**

Fire Control Administrator 003729

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	FIRE CONTROL ADMINISTRATOR	FIRE CTRL ADMN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	FC	NEC VXXX and 7XXX series and other NECs as assigned

Job Description

Fire Control Administrators advise leadership in multi-dimensional warfare planning and execution; manage and supervise the operation and maintenance of combat and weapons systems in both tactical and training environments; collect and validate data from various shipboard systems to maintain combat readiness; plan and evaluate weapon systems exercises/engagements; manage personnel and training operations; and develop and conduct briefs/debriefs for combat system evolutions.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Missile Guidance and Control	112100	Artillery and Missile Officers	55-1014.00	Military Specific

Skills	Abilities
Management of Personnel Resources	*Problem Sensitivity*
Management of Material Resources	*Written Comprehension*
Quality Control Analysis	*Information Ordering*
Coordination	*Oral Expression*
Monitoring	*Inductive Reasoning*
Reading Comprehension	*Written Expression*
Operation and Control	*Speed of Closure*
Critical Thinking	*Deductive Reasoning*
Judgment and Decision Making	*Originality*
Writing	*Selective Attention*

AIR WARFARE (AW) OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Analyze Air Defense (AD) intelligence data
E6	CORE	Assign air contact priorities
E6	CORE	Classify air contacts
E6	CORE	Coordinate engagement of air targets with anti-air weapons
E7	CORE	Develop Air Warfare (AW) Pre-Planned Responses (PPR)
E7	CORE	Manage battle group Air Defense (AD) operations
E6	CORE	Manage shipboard Air Defense (AD) operations
E6	CORE	Recommend Air Defense (AD) search and engagement plans
E6	CORE	Update air contact information

COMPUTER SYSTEM ADMINISTRATION AND NETWORK SECURITY

Paygrade	Task Type	Task Statements
E6	CORE	Audit combat and weapon systems accounts
E7	CORE	Coordinate combat and weapon systems software and firmware installations and updates
E5	CORE	Inventory combat and weapon systems software and firmware
E7	CORE	Manage combat and weapon systems accounts
E6	CORE	Manage combat and weapon systems software and firmware installations and updates
E6	CORE	Manage network security

COMPUTER SYSTEM ADMINISTRATION AND NETWORK SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise combat and weapon systems software and firmware installations and updates
E5	CORE	Supervise network security

CREW-SERVED WEAPONS, SMALL ARMS, AND PHYSICAL SECURITY

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct Anti-Terrorism (AT) assessments
E7	NON-CORE	Coordinate Anti-Terrorism (AT) assessments
E6	CORE	Manage crew-served weapons qualification programs
E5	NON-CORE	Manage small arms and crew-served weapons inventory programs (e.g., schedule, validate, etc.)
E6	NON-CORE	Manage small arms qualification programs
E7	NON-CORE	Manage Visit Board Search and Seizure (VBSS) operations
E6	NON-CORE	Supervise Visit Board Search and Seizure (VBSS) operations
E5	NON-CORE	Train personnel in crew-served weapons
E5	NON-CORE	Train personnel in small arms
E5	NON-CORE	Transfer custody of small arms

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Analyze combat and weapon systems data
E7	CORE	Approve equipment installations, testing, and alterations
E7	CORE	Coordinate Combat Systems Alignment (CSA) evolutions
E7	CORE	Coordinate equipment installations, testing, and alterations
E7	CORE	Coordinate equipment material certifications and recertifications
E6	CORE	Develop Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E6	CORE	Draft Casualty Reports (CASREP)
E5	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E5	CORE	Implement technical briefs, notices, and bulletins
E5	CORE	Inventory Maintenance Assistance Modules (MAM)
E5	CORE	Maintain preventive maintenance documents
E5	CORE	Manage combat and weapon systems test equipment
E6	CORE	Manage Combat Systems Alignment (CSA) evolutions
E6	CORE	Manage controlled equipment
E7	CORE	Manage divisional equipment and system configurations
E7	CORE	Manage divisional maintenance operations
E7	CORE	Manage equipment Casualty Reporting (CASREP) process
E6	CORE	Manage equipment material certifications and recertifications
E7	CORE	Manage Maintenance Assistance Modules (MAM) usage
E7	CORE	Manage procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E5	NON-CORE	Manage tactical data recordings

EQUIPMENT ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Process equipment validations
E5	CORE	Supervise controlled equipment inventories
E6	CORE	Supervise divisional equipment and system configurations
E6	CORE	Supervise divisional maintenance operations
E5	CORE	Supervise equipment installations, testing, and alterations
E5	CORE	Supervise Maintenance Assistance Modules (MAM) usage
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center maintenance operations
E5	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E5	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)
E7	CORE	Validate implementation of technical briefs, notices, and bulletins
E6	CORE	Verify equipment installations, testing, and alterations
E7	CORE	Verify equipment material certifications and recertifications
E7	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate gun weapon systems uploading and downloading
E5	CORE	Coordinate Material Handling Equipment (MHE) testing
E7	CORE	Coordinate missile delivery systems uploading and downloading
E5	CORE	Coordinate Ordnance Handling Equipment (OHE) testing
E7	CORE	Coordinate ordnance handling evolutions
E7	CORE	Coordinate ordnance stowage
E6	CORE	Coordinate weapons casualty evolutions
E6	CORE	Manage gun weapon systems uploading and downloading
E6	CORE	Manage missile delivery systems uploading and downloading
E6	CORE	Manage ordnance handling evolutions
E6	CORE	Manage ordnance handling qualification programs
E6	CORE	Manage ordnance inventories
E6	CORE	Manage ordnance magazine and locker inspections
E6	CORE	Manage ordnance stowage
E6	CORE	Monitor ordnance handling evolutions (Quality Assurance Safety Observer (QASO))
E7	CORE	Report ordnance discrepancies (e.g., Conventional Ordnance Deficiency Report (CODR))
E7	CORE	Supervise magazine sprinkler systems testing
E5	CORE	Supervise Material Handling Equipment (MHE) testing
E5	CORE	Supervise Ordnance Handling Equipment (OHE) testing
E6	CORE	Transfer custody of ordnance

STRIKE WARFARE (STW) OPERATIONS

Paygrade	Task Type	Task Statements
E6	NON-CORE	Analyze Operational Orders (OPORD) and pre-assigned fire mission messages
E7	NON-CORE	Conduct dynamic and deliberate fires weaponeering
E7	NON-CORE	Coordinate deliberate fires support engagements with strike weapons
E7	NON-CORE	Coordinate dynamic and deliberate post fires support
E7	NON-CORE	Coordinate dynamic fires support engagements with strike weapons
E7	NON-CORE	Coordinate strike weapon deconflictions
E5	NON-CORE	Draft post strike execution reports
E7	NON-CORE	Submit post strike execution reports
E7	NON-CORE	Validate strike weapon plans and plots

SURFACE WARFARE (SUW) OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Analyze Surface Warfare (SUW) intelligence data
E6	CORE	Assign surface contact priorities
E6	CORE	Classify surface contacts
E6	CORE	Compare surface weapons targeting solutions
E6	CORE	Coordinate engagement of surface targets with anti-surface weapons
E6	CORE	Coordinate inorganic Surface Warfare (SUW) assets
E7	CORE	Develop Surface Warfare (SUW) Pre-Planned Responses (PPR)
E7	CORE	Manage battle group Surface Warfare (SUW) operations
E6	CORE	Manage shipboard Surface Warfare (SUW) operations
E6	CORE	Recommend Surface Warfare (SUW) search and engagement plans
E6	CORE	Update surface contact information

TECHNICAL CORE FUNDAMENTALS

Paygrade	Task Type	Task Statements
E6	CORE	Manage safety programs and instructions (e.g., aloft, electrical equipment, etc.)

WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Activate combat systems doctrine statements
E5	CORE	Brief tactical, operational, and situational status reports
E7	CORE	Coordinate combat and weapon systems operations in port
E7	CORE	Coordinate combat and weapon systems operations underway
E7	CORE	Coordinate Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions (e.g., Pre-action Aim Calibration (PAC) fire, missile exercises, etc.)
E7	CORE	Coordinate combat systems during casualty conditions
E7	CORE	Coordinate combat systems watch teams
E7	CORE	Coordinate configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)

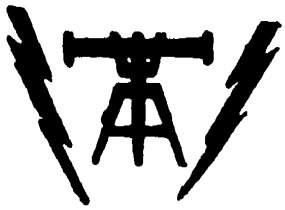
WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate configurations of combat systems for Emission Control (EMCON) conditions
E7	CORE	Coordinate personnel qualification and certification programs
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E7	CORE	Coordinate transitions of combat and weapon systems between conditions of readiness
E7	CORE	Develop combat systems doctrine statements
E5	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E6	CORE	Direct execution of warfare commander's intentions
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E6	CORE	Manage combat and weapon systems operations in port
E6	CORE	Manage combat and weapon systems operations underway
E6	CORE	Manage Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions (e.g., Pre-action Aim Calibration (PAC) fire, missile exercises, etc.)
E6	CORE	Manage combat systems doctrine statements
E6	CORE	Manage combat systems during casualty conditions
E6	CORE	Manage combat systems watch teams
E6	CORE	Manage configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E6	CORE	Manage configurations of combat systems for Emission Control (EMCON) conditions
E6	CORE	Manage personnel qualification and certification programs
E6	CORE	Manage transitions of combat and weapon systems between conditions of readiness
E5	CORE	Perform external communications (ship-to-ship, ship-to-shore, and ship-to-air)
E5	CORE	Supervise combat and weapon systems operations in port
E5	CORE	Supervise combat and weapon systems operations underway
E5	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions (e.g., Pre-action Aim Calibration (PAC) fire, missile exercises, etc.)
E5	CORE	Supervise combat systems during casualty conditions
E5	CORE	Supervise combat systems watch teams
E5	CORE	Supervise configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise configurations of combat systems for Emission Control (EMCON) conditions
E5	CORE	Supervise personnel qualification and certification programs
E5	CORE	Supervise transitions of combat and weapon systems between conditions of readiness
E7	CORE	Validate combat systems doctrine statements
E5	CORE	Verify systems configurations to Commanding Officer's (CO) battle orders

CHAPTER 34



FIRE CONTROLMAN (AEGIS)
(FCA)

NAVPERS 18068F-34D
Change 104

Updated: October 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

FIRE CONTROLMAN (AEGIS) (FCA)

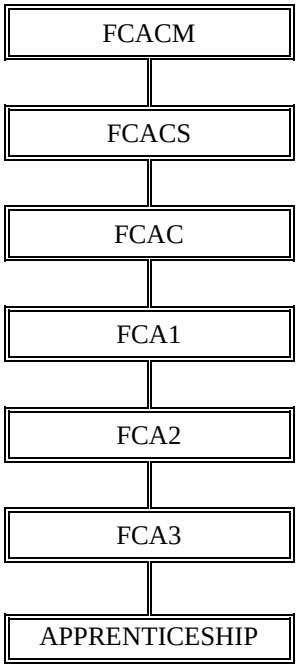
SCOPE OF RATING

Fire Controlmen (Aegis) (FCA) operate and maintain Aegis Weapon Systems (AWS) and subsystems to include three-dimensional (3D) radar, fire control, computer, and networking systems; recommend and provide weapon direction system employment and tactics for Integrated Air and Missile Defense (IAMD) and Surface Warfare (SUW); inspect, test, and repair radio frequency circuits, digital circuits, computer systems and peripheral equipment, network systems, data conversion equipment, data display equipment, data link terminal equipment, and power conversion and auxiliary systems; perform detailed system analyses of computer programs, electronics, and electronic casualty control; operate built-in and external test equipment; load, initialize, and perform diagnostics and testing routines for digital computer equipment and digital and analog systems and subsystems; and support the operation and maintenance of surface-to-air, surface-to-surface, and Ballistic Missile Defense (BMD) weapon systems at organizational and intermediate levels.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 34.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Aegis Fire Control Operator Technician 002770

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	AEGIS FIRE CONTROL OPER TECH	AEGIS FC OPTEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	FCA	NEC VXXX and 7XXX series and other NECs as assigned

Job Description

Aegis Fire Control Operator Technicians initialize, configure, operate, maintain, troubleshoot, repair, and collect data for Aegis Weapon Systems (AWS) and subsystems to include auxiliary equipment, network systems, computers, computer peripherals, displays, radar systems, shipboard optics, weapons, and weapon delivery systems in both tactical and training environments; demonstrate comprehensive knowledge of warfare fundamentals and the fire control problem; maintain Situational Awareness (SA) of the tactical and training environments in which they are operating; provide weapon system employment; load and unload ordnance; and review and maintain system logs and records.

DoD Relationship

Group Title	*DoD Code*
Missile Guidance and Control	112100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Artillery and Missile Crew Members	55-3014.00	Military Specific

Skills	Abilities
Equipment Maintenance	*Written Comprehension*
Complex Problem Solving	*Problem Sensitivity*
Operation and Control	*Inductive Reasoning*
Reading Comprehension	*Oral Expression*
Management of Material Resources	*Selective Attention*
Quality Control Analysis	*Time Sharing*
Critical Thinking	*Information Ordering*
Troubleshooting	*Deductive Reasoning*
Management of Personnel Resources	*Memorization*
Equipment Selection	*Perceptual Speed*

AUXILIARY AND SUPPORT SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Configure auxiliary air and cooling water systems
E4	CORE	Configure power conversion and distribution systems
E4	CORE	Perform preventive maintenance on auxiliary air and cooling water systems
E4	CORE	Perform preventive maintenance on power conversion and distribution systems
E4	CORE	Repair auxiliary air and cooling water systems
E4	CORE	Repair power conversion and distribution systems
E4	CORE	Test auxiliary air and cooling water systems
E4	CORE	Test power conversion and distribution systems
E4	CORE	Troubleshoot auxiliary air and cooling water systems
E4	CORE	Troubleshoot power conversion and distribution systems

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze blueprints and ship's drawings
E4	CORE	Analyze equipment and system status data
E4	CORE	Analyze technical manuals
E4	CORE	Assist with Aegis Weapon System (AWS) software and firmware installations and updates
E4	CORE	Assist with Combat Systems Alignments (CSA)
E4	NON-CORE	Calibrate gauges (e.g., temperature, pressure, etc.)

EQUIPMENT ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Collect equipment and system status data
E4	CORE	Document equipment and system status data
E5	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E4	CORE	Inspect work areas, tools, and equipment
E4	CORE	Install equipment and alterations
E4	CORE	Inventory controlled equipment
E4	CORE	Inventory General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Inventory Maintenance Assistance Modules (MAM)
E4	CORE	Inventory Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Maintain system status logs
E5	CORE	Manage controlled equipment
E5	CORE	Manage Maintenance Assistance Modules (MAM) usage
E6	CORE	Manage work center equipment and system configurations
E6	CORE	Manage work center maintenance operations
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E4	CORE	Report Aegis Weapon System (AWS) equipment statuses
E5	CORE	Supervise Aegis Weapon System (AWS) software and firmware installations and updates
E5	CORE	Supervise equipment installations, testing, and alterations
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center maintenance operations
E5	CORE	Verify equipment and system status data

FIRE CONTROL SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Align radar systems
E4	CORE	Configure computer and peripheral systems
E4	CORE	Configure display systems
E4	CORE	Configure internal communications networks
E4	CORE	Configure missile delivery systems
E4	CORE	Configure radar systems
E6	CORE	Manage Aegis Weapon System (AWS) tactical data recordings
E4	CORE	Perform preventive maintenance on computer and peripheral systems
E4	CORE	Perform preventive maintenance on display systems
E4	CORE	Perform preventive maintenance on electromechanical (synchro/servo) systems
E4	CORE	Perform preventive maintenance on internal communications networks
E4	CORE	Perform preventive maintenance on radar systems
E4	CORE	Record Aegis Weapon System (AWS) tactical data
E4	CORE	Repair computer and peripheral systems
E4	CORE	Repair display systems
E4	CORE	Repair internal communications networks

FIRE CONTROL SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair radar systems
E4	CORE	Replace electromechanical (synchro/servo) systems
E5	CORE	Supervise Aegis Weapon System (AWS) tactical data recordings
E6	CORE	Test Aegis Combat System (ACS) elements integration, performance functionalities, and capabilities
E4	CORE	Test computer and peripheral systems
E4	CORE	Test display systems
E4	CORE	Test electromechanical (synchro/servo) systems
E4	CORE	Test internal communications networks
E4	CORE	Test missile launch capabilities
E4	CORE	Test radar systems
E4	CORE	Troubleshoot computer and peripheral systems
E4	CORE	Troubleshoot display systems
E4	CORE	Troubleshoot electromechanical (synchro/servo) systems
E4	CORE	Troubleshoot internal communications networks
E4	CORE	Troubleshoot missile launch capabilities
E4	CORE	Troubleshoot radar systems

INTEGRATED AIR AND MISSILE DEFENSE (IAMD)

Paygrade	Task Type	Task Statements
E6	CORE	Classify air contacts
E4	CORE	Derive requirements from Air Defense (AD) intelligence data
E4	CORE	Derive requirements from Operational Orders (OPORD) and pre-assigned fire mission messages
E4	CORE	Engage air targets with anti-air weapons
E4	CORE	Engage space or ballistic targets
E4	CORE	Evaluate air contact information
E4	CORE	Evaluate space or ballistic contact information
E4	CORE	Input air contact search parameters
E4	CORE	Input space or ballistic contact search parameters
E6	CORE	Manage shipboard Air Defense (AD) operations
E6	CORE	Recommend air contact classifications
E4	CORE	Recommend Air Defense (AD) engagement tactics (e.g., course changes, weapon limitations, etc.)
E4	CORE	Recommend Air Defense (AD) search and engagement plans
E6	CORE	Recommend space or ballistic contact classifications
E4	CORE	Report air contact information updates
E4	CORE	Report air contacts
E4	CORE	Report air engagement Battle Damage Assessments (BDA)
E4	CORE	Report space or ballistic contact information updates
E4	CORE	Report space or ballistic contacts
E4	CORE	Report space or ballistic engagement Battle Damage Assessments (BDA)

INTEGRATED AIR AND MISSILE DEFENSE (IAMD) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Track air contacts
E4	CORE	Track space or ballistic contacts
E6	CORE	Update air contact information
E4	CORE	Update space or ballistic contact information

NETWORK MANAGEMENT AND SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Assess networks for vulnerabilities
E4	CORE	Configure Aegis Weapon System (AWS) integration to peripheral systems
E4	CORE	Configure network systems
E4	CORE	Configure Operating Systems (OS)
E6	CORE	Maintain Aegis Weapon System (AWS) password accounts
E4	CORE	Maintain network audit logs
E4	CORE	Maintain network security
E4	CORE	Perform preventive maintenance on Aegis Weapon System (AWS) integration to peripheral systems
E4	CORE	Perform preventive maintenance on network systems
E4	CORE	Repair Aegis Weapon System (AWS) integration to peripheral systems
E4	CORE	Repair network systems
E5	CORE	Supervise network security
E4	CORE	Test Aegis Weapon System (AWS) integration to peripheral systems
E4	CORE	Test network systems
E4	CORE	Troubleshoot Aegis Weapon System (AWS) integration to peripheral systems
E4	NON-CORE	Troubleshoot Line of Sight (LOS) tactical network equipment
E4	CORE	Troubleshoot network systems
E4	CORE	Troubleshoot Operating Systems (OS)

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Assist with missile delivery systems uploading and downloading
E4	CORE	Perform Packaging, Handling, Storage, and Transportation (PHS&T) operations
E4	CORE	Perform weapons casualty procedures
E6	CORE	Supervise Packaging, Handling, Storage, and Transportation (PHS&T) operations
E5	CORE	Supervise weapons casualty evolutions

SURFACE WARFARE (SUW)

Paygrade	Task Type	Task Statements
E6	CORE	Classify surface contacts
E4	CORE	Engage surface targets with anti-surface weapons
E4	CORE	Evaluate surface contact information
E4	CORE	Input surface contact search parameters
E4	CORE	Report surface contact information updates

SURFACE WARFARE (SUW) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Report surface contacts
E4	CORE	Track surface contacts

TECHNICAL CORE FUNDAMENTALS

Paygrade	Task Type	Task Statements
E4	CORE	Align Radio Frequency (RF) circuits
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E5	CORE	Conduct equipment validations
E4	CORE	Configure alarm, safety, and warning systems
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Configure Radio Frequency (RF) circuits
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Control Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) effects on electronic systems
E4	CORE	Perform basic soldering on electrical and electronic equipment
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform corrosion prevention and control procedures on Aegis Weapon Systems (AWS)
E4	CORE	Perform preventive maintenance on alarm, safety, and warning systems
E4	CORE	Perform preventive maintenance on Alternating Current (AC) circuits
E4	CORE	Perform preventive maintenance on digital circuits
E4	CORE	Perform preventive maintenance on Direct Current (DC) circuits
E4	CORE	Perform preventive maintenance on fiber optic cables and connectors
E4	CORE	Perform preventive maintenance on interconnecting cables and connectors
E4	CORE	Perform preventive maintenance on power supplies
E4	CORE	Perform preventive maintenance on Radio Frequency (RF) circuits
E4	CORE	Perform preventive maintenance on valves
E4	CORE	Repair alarm, safety, and warning systems
E4	CORE	Repair Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Repair Alternating Current (AC) circuits
E4	CORE	Repair Direct Current (DC) circuits
E4	NON-CORE	Repair fiber optic cables and connectors
E4	CORE	Repair interconnecting cables and connectors
E4	CORE	Repair power supplies
E4	CORE	Repair valves
E4	CORE	Replace digital circuits
E4	CORE	Replace fiber optic cables and connectors
E4	CORE	Replace Radio Frequency (RF) circuits
E5	CORE	Supervise Combat Systems Operational Sequencing System (CSOSS) operations

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test alarm, safety, and warning systems
E4	CORE	Test Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Test Alternating Current (AC) circuits
E4	CORE	Test digital circuits
E4	CORE	Test Direct Current (DC) circuits
E4	CORE	Test fiber optic cables and connectors
E4	CORE	Test interconnecting cables and connectors
E4	CORE	Test power supplies
E4	CORE	Test Radio Frequency (RF) circuits
E4	CORE	Test valves
E4	CORE	Troubleshoot alarm, safety, and warning systems
E4	CORE	Troubleshoot Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Troubleshoot Alternating Current (AC) circuits
E4	CORE	Troubleshoot digital circuits
E4	CORE	Troubleshoot Direct Current (DC) circuits
E4	CORE	Troubleshoot fiber optic cables and connectors
E4	CORE	Troubleshoot interconnecting cables and connectors
E4	CORE	Troubleshoot power supplies
E4	CORE	Troubleshoot Radio Frequency (RF) circuits
E4	CORE	Troubleshoot valves
E5	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E6	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E4	CORE	Conduct combat systems training and testing evolutions
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E4	CORE	Configure Aegis Weapon Systems (AWS) for training and testing evolutions
E5	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E5	CORE	Supervise combat systems training and testing evolutions
E5	CORE	Supervise personnel qualification and certification programs

WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Report assignment and engagement statuses of own ship's Aegis Weapon System (AWS)
E6	CORE	Analyze threat weapons data
E4	CORE	Assess threat weapons data
E4	CORE	Brief tactical, operational, and situational status reports
E4	CORE	Calculate environmental range predictions
E4	CORE	Conduct watchstander briefs

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Configure Aegis Weapon Systems (AWS) during casualty conditions
E4	CORE	Configure Aegis Weapon Systems (AWS) for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E4	CORE	Configure Aegis Weapon Systems (AWS) for Emission Control (EMCON) conditions
E4	CORE	Configure Aegis Weapon Systems (AWS) for special evolutions
E4	CORE	Configure Aegis Weapon Systems (AWS) to Commanding Officer's (CO) battle orders
E6	CORE	Configure Line of Sight (LOS) tactical networks
E4	CORE	Interpret Naval messages
E5	CORE	Manage configurations of combat systems for Emission Control (EMCON) conditions
E4	CORE	Perform tactical Pre-Planned Responses (PPR) to Commanding Officer's (CO) battle orders
E4	CORE	Report assignment and engagement statuses of own ship's weapons systems
E4	CORE	Research tactical information
E5	CORE	Supervise Aegis Weapon System (AWS) operations in port
E5	CORE	Supervise Aegis Weapon System (AWS) operations underway
E5	CORE	Supervise Aegis Weapon Systems (AWS) during casualty conditions
E5	CORE	Supervise Aegis Weapon Systems (AWS) during special evolutions
E5	CORE	Supervise combat systems watch teams
E5	CORE	Supervise configurations of Aegis Weapon Systems (AWS) for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E5	CORE	Supervise configurations of Aegis Weapon Systems (AWS) for Emission Control (EMCON) conditions
E5	CORE	Supervise transitions of Aegis Weapon Systems (AWS) between conditions of readiness
E6	CORE	Test Line of Sight (LOS) tactical networks
E4	CORE	Transition Aegis Weapon Systems (AWS) between conditions of readiness
E4	CORE	Update plotting and status boards

Job Title **Job Code**

Aegis Fire Control Supervisor 002772

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	AEGIS FIRE CONTROL SUPERVISOR	AEGIS FC SUP

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	FCA	NEC VXXX and 7XXX series and other NECs as assigned

Job Description

Aegis Fire Control Supervisors manage and coordinate the operation and maintenance of Aegis Weapon Systems (AWS) in both tactical and training environments; collect administrative data from various shipboard systems to maintain combat readiness; plan and evaluate weapon system exercises and engagements; manage personnel and training operations; manage and maintain unclassified and classified technical, procedural, and tactical documents to support equipment readiness and tactical proficiency; develop and conduct briefs/debriefs for combat system evolutions; and serve as Integrated Air and Missile Defense (IAMD) tactical advisors.

DoD Relationship

Group Title	*DoD Code*
Missile Guidance and Control	112100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Artillery and Missile Officers	55-1014.00	Military Specific

Skills	Abilities
Management of Personnel Resources	*Written Comprehension*
Management of Material Resources	*Oral Expression*
Judgment and Decision Making	*Problem Sensitivity*
Coordination	*Time Sharing*
Critical Thinking	*Inductive Reasoning*
Quality Control Analysis	*Information Ordering*
Reading Comprehension	*Perceptual Speed*
Operation and Control	*Category Flexibility*
Monitoring	*Written Expression*
Complex Problem Solving	*Speed of Closure*

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze blueprints and ship's drawings
E7	CORE	Approve equipment installations, testing, and alterations
E7	CORE	Audit Maintenance Assistance Modules (MAM) inventories
E7	CORE	Audit system status logs
E7	CORE	Coordinate Aegis Combat System (ACS) software and firmware installations and updates
E7	CORE	Coordinate combat and weapon systems support equipment testing
E7	CORE	Coordinate Combat Systems Alignment (CSA) evolutions
E7	CORE	Coordinate controlled equipment inventories
E7	CORE	Coordinate divisional equipment and system configurations
E7	CORE	Coordinate divisional maintenance operations
E7	CORE	Coordinate equipment certifications and recertifications
E7	CORE	Coordinate equipment installations, testing, and alterations
E7	CORE	Document Aegis Combat System (ACS) software and firmware installations and updates
E6	CORE	Draft Casualty Reports (CASREP)
E7	CORE	Inventory Aegis Combat System (ACS) software and firmware
E6	CORE	Maintain technical publication libraries
E6	CORE	Manage Aegis Combat System (ACS) software and firmware installations and updates

EQUIPMENT ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage Combat Systems Alignment (CSA) evolutions
E5	CORE	Manage controlled equipment
E6	CORE	Manage divisional equipment and system configurations
E6	CORE	Manage divisional maintenance operations
E5	CORE	Manage Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E7	CORE	Manage equipment Casualty Reporting (CASREP) process
E6	CORE	Manage equipment certifications and recertifications
E5	CORE	Manage Maintenance Assistance Modules (MAM) usage
E7	CORE	Manage procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E7	CORE	Manage technical publication libraries
E6	CORE	Manage work center equipment and system configurations
E6	CORE	Manage work center maintenance operations
E5	CORE	Supervise Aegis Weapon System (AWS) software and firmware installations and updates
E5	CORE	Supervise equipment installations, testing, and alterations
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center maintenance operations
E5	CORE	Verify equipment and system status data
E6	CORE	Verify equipment installations, testing, and alterations
E6	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)

FIRE CONTROL SYSTEMS

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate Aegis Weapon System (AWS) tactical data recordings
E6	CORE	Manage Aegis Weapon System (AWS) tactical data recordings
E5	CORE	Supervise Aegis Weapon System (AWS) tactical data recordings
E6	CORE	Test Aegis Combat System (ACS) elements integration, performance functionalities, and capabilities

INTEGRATED AIR AND MISSILE DEFENSE (IAMD)

Paygrade	Task Type	Task Statements
E6	CORE	Analyze Air Defense (AD) intelligence data
E6	CORE	Analyze Operational Orders (OPORD) and pre-assigned fire mission messages
E7	CORE	Assign air contact priorities
E7	CORE	Assign space or ballistic contact priorities
E6	CORE	Assign symbology to air contacts
E6	CORE	Classify air contacts
E7	CORE	Classify space or ballistic contacts
E6	CORE	Conduct air engagement Battle Damage Assessments (BDA)
E6	CORE	Conduct space or ballistic engagement Battle Damage Assessments (BDA)
E6	CORE	Coordinate engagement of air targets with anti-air weapons

INTEGRATED AIR AND MISSILE DEFENSE (IAMD) (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate engagement of space or ballistic targets
E7	CORE	Develop Air Warfare (AW) Pre-Planned Responses (PPR)
E7	CORE	Develop Ballistic Missile Defense (BMD) Pre-Planned Responses (PPR)
E7	CORE	Manage battle group Air Defense (AD) operations
E7	CORE	Manage battle group Ballistic Missile Defense (BMD) operations
E6	CORE	Manage engagement of air targets with anti-air weapons
E6	CORE	Manage engagement of space or ballistic targets
E6	CORE	Manage shipboard Air Defense (AD) operations
E7	CORE	Manage shipboard Ballistic Missile Defense (BMD) operations
E6	CORE	Recommend air contact classifications
E6	CORE	Recommend air contact priorities
E6	CORE	Recommend space or ballistic contact classifications
E6	CORE	Update air contact information

NETWORK MANAGEMENT AND SECURITY

Paygrade	Task Type	Task Statements
E7	CORE	Audit Aegis Weapon System (AWS) password accounts
E6	CORE	Maintain Aegis Weapon System (AWS) password accounts
E6	CORE	Manage network security
E5	CORE	Supervise network security
E4	CORE	Test Aegis Weapon System (AWS) integration to peripheral systems

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate Packaging, Handling, Storage, and Transportation (PHS&T) operations
E7	CORE	Coordinate weapons casualty evolutions
E6	CORE	Manage weapons casualty evolutions
E6	CORE	Supervise Packaging, Handling, Storage, and Transportation (PHS&T) operations
E5	CORE	Supervise weapons casualty evolutions

SURFACE WARFARE (SUW)

Paygrade	Task Type	Task Statements
E6	CORE	Analyze Surface Warfare (SUW) intelligence data
E6	CORE	Assign symbology to surface contacts
E6	CORE	Classify surface contacts
E7	CORE	Develop Surface Warfare (SUW) Pre-Planned Responses (PPR)
E6	CORE	Manage engagement of surface targets with anti-surface weapons
E6	NON-CORE	Manage shipboard Surface Warfare (SUW) operations
E6	NON-CORE	Recommend surface contact classifications
E6	CORE	Recommend surface contact priorities
E6	CORE	Recommend Surface Warfare (SUW) engagement tactics (e.g., course changes, weapon limitations, etc.)
E6	CORE	Recommend Surface Warfare (SUW) search and engagement plans

TECHNICAL CORE FUNDAMENTALS

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate Combat Systems Operational Sequencing System (CSOSS) operations
E5	CORE	Supervise Combat Systems Operational Sequencing System (CSOSS) operations
E5	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E6	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)
E7	CORE	Verify equipment validations

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate combat systems training and testing evolutions
E7	CORE	Coordinate personnel qualification and certification programs
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E6	CORE	Manage combat systems training and testing evolutions
E6	CORE	Manage personnel qualification and certification programs
E5	CORE	Supervise combat systems training and testing evolutions
E5	CORE	Supervise personnel qualification and certification programs

WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Activate Aegis Weapon System (AWS) doctrine statements
E6	CORE	Analyze tactical operations data (e.g., Threat-Centric Planning, Engageability Slide Rule, etc.)
E6	CORE	Analyze threat weapons data
E6	CORE	Configure combat systems to Commanding Officer's (CO) battle orders
E6	CORE	Configure Line of Sight (LOS) tactical networks
E6	CORE	Coordinate combat systems during casualty conditions
E6	CORE	Coordinate combat systems during special evolutions
E6	CORE	Coordinate combat systems operations in port
E6	CORE	Coordinate combat systems operations underway
E7	CORE	Coordinate combat systems watch teams
E6	CORE	Coordinate configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E6	CORE	Coordinate configurations of combat systems for Emission Control (EMCON) conditions
E6	CORE	Coordinate transitions of combat systems between conditions of readiness
E6	CORE	Develop Aegis Weapon System (AWS) doctrine statements
E7	CORE	Direct execution of warfare commander's intentions
E6	CORE	Input Aegis Weapon System (AWS) doctrine statements
E5	CORE	Manage combat systems during casualty conditions
E5	CORE	Manage combat systems during special evolutions

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Manage combat systems operations in port
E5	CORE	Manage combat systems operations underway
E6	CORE	Manage combat systems watch teams
E5	CORE	Manage configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E5	CORE	Manage configurations of combat systems for Emission Control (EMCON) conditions
E5	CORE	Manage transitions of combat systems between conditions of readiness
E6	CORE	Perform external communications (ship-to-ship, ship-to-shore, and ship-to-air)
E5	CORE	Supervise Aegis Weapon System (AWS) operations in port
E5	CORE	Supervise Aegis Weapon System (AWS) operations underway
E5	CORE	Supervise Aegis Weapon Systems (AWS) during casualty conditions
E5	CORE	Supervise Aegis Weapon Systems (AWS) during special evolutions
E5	CORE	Supervise combat systems watch teams
E5	CORE	Supervise configurations of Aegis Weapon Systems (AWS) for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E5	CORE	Supervise configurations of Aegis Weapon Systems (AWS) for Emission Control (EMCON) conditions
E5	CORE	Supervise transitions of Aegis Weapon Systems (AWS) between conditions of readiness
E6	CORE	Test Line of Sight (LOS) tactical networks
E7	CORE	Validate Aegis Weapon System (AWS) doctrine statements
E5	CORE	Verify Aegis Weapon System (AWS) configurations to Commanding Officer's (CO) battle orders
E6	CORE	Verify assignment and engagement statuses of own ship's weapons systems
E6	CORE	Verify combat systems configurations to Commanding Officer's (CO) battle orders

CHAPTER 35

FIREMAN
(FN)

NAVPERS 18068-35B
CH-90

Updated: April 2022

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NAVY ENLISTED OCCUPATIONAL STANDARDS

FOR

FIREMAN (FN)

APPRENTICESHIP

SCOPE OF RATING

Firemen (FN) stand engineering watches; clean, paint, and preserve engineering spaces and equipment; perform minor maintenance and repairs to engineering equipment; operate tools and test equipment; record readings of gages; and read and use engineering drawings.

This Occupational Standard is to be incorporated in Chapter 35, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 35.

PATHS OF ADVANCEMENT

Per NAVADMIN 275/19, Professional Career Apprenticeship Track (PACT) Sailors will receive rating designating based upon the billet for which they are selected in MyNavy Assignment (MNA).

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title
Fireman

Job Code
002689

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	FIREMAN	FIREMAN

Pay Plan	Career Field	Other Relationships and Rules
ENLISTED	FN	N/A

Job Description
Firemen (FN) stand engineering watches; clean engineering spaces and equipment; make minor repairs to engineering equipment; record readings of gages; participate in general drills; and perform general detail duties.

DoD Relationship

Group Title	*DoD Code*
Non-Occupational	190000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Maintenance and Repair Workers, General	49-9042.00	Installation, Maintenance, and Repair

Skills	Abilities
Active Learning	*Written Comprehension*
Operation and Control	*Inductive Reasoning*
Operation Monitoring	*Memorization*
Judgment and Decision Making	*Manual Dexterity*
Critical Thinking	*Spatial Orientation*
Equipment Maintenance	*Visualization*
Reading Comprehension	*Information Ordering*
Systems Analysis	*Near Vision*
Equipment Selection	*Deductive Reasoning*
Quality Control Analysis	*Problem Sensitivity*

DAMAGE CONTROL

Paygrade	Task Type	Task Statements
E3	CORE	Align installed educators to dewater spaces
E3	CORE	Assist with ballasting
E3	CORE	Explain the purpose and use of common Damage Control (DC) equipment
E3	CORE	Inspect emergency breathing equipment
E3	CORE	Perform the general responsibilities of a Damage Control (DC) rapid response team member (e.g., isolating ventilation systems, closing compartments, mechanical isolation, etc.)

ELECTRICAL SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E3	CORE	Explain principles of electrical safety programs
E3	CORE	Identify functions and characteristics of electrical equipment associated with engineering plants (e.g., fuses, circuit breakers, switches, etc.)
E3	CORE	Isolate electrical components in ship compartments
E3	CORE	Locate electrical distribution system components (e.g., generator, switchboard, load centers, etc.)
E3	CORE	Locate power sources
E3	CORE	Secure power at appropriate power source(s)

ENGINEERING DRAWINGS ANALYSIS

Paygrade	Task Type	Task Statements
E3	CORE	Describe damage control symbology, methods, and procedures of plotting
E3	CORE	Interpret Damage Control (DC) and Engineering Operating Sequencing System (EOSS) drawings
E3	CORE	Interpret multi-view working drawings/tech manuals
E3	CORE	Verify accuracy and currency of Engineering Operating Sequencing System (EOSS) drawings

MECHANICAL MAINTENANCE

Paygrade	Task Type	Task Statements
E3	CORE	Apply lubricating oils and greases
E3	CORE	Fabricate gaskets
E3	CORE	Identify basic types and functions of valves
E3	CORE	Identify drive train components (e.g., clutch controllable pitch propeller system, reduction gear, etc.)
E3	CORE	Identify Material Identification Code (MIC) level one systems (e.g., controlled materials, boundaries, etc.)
E3	CORE	Inspect flange shield
E3	CORE	Inspect gaskets
E3	CORE	Interpret basic engineering principles and theories (e.g., energy and power, velocity and acceleration, pressure and vacuum, etc.)
E3	CORE	Interpret gages, indicators, and thermometers
E3	CORE	Interpret principles of basic steam cycles
E3	CORE	Maintain hand tools
E3	CORE	Maintain strainers
E3	CORE	Maintain valves in low-pressure systems
E3	CORE	Operate chain hoists and jacks
E3	CORE	Operate electric and pneumatic power tools
E3	CORE	Replace flange shield
E3	CORE	Take oil samples
E3	CORE	Take soundings (e.g., compartments, tanks, voids, etc.)
E3	CORE	Trace path of air and fuel through multiple support systems
E3	CORE	Trace path of main steam from boiler to engine and back to boiler

MECHANICAL SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E3	CORE	Align auxiliary equipment (e.g., hydraulic pumps, line shaft bearings, condensers, etc.)
E3	CORE	Align main propulsion equipment (e.g., lube oil pumps, generators, purifiers, etc.)
E3	CORE	Identify functions and characteristics of mechanical systems (e.g., steering, elevators, anchor windlasses, etc.)
E3	CORE	Monitor auxiliary equipment (e.g., hydraulic pumps, line shaft bearings, condensers, etc.)
E3	CORE	Monitor main propulsion equipment (e.g., lube oil pumps, generators, purifiers, etc.)
E3	CORE	Secure auxiliary equipment (e.g., hydraulic pumps, line shaft bearings, condensers, etc.)
E3	CORE	Secure main propulsion equipment (e.g., lube oil pumps, generators, purifiers, etc.)
E3	CORE	Start auxiliary equipment (e.g., hydraulic pumps, line shaft bearings, condensers, etc.)
E3	CORE	Start main propulsion equipment (e.g., lube oil pumps, generators, purifiers, etc.)
E3	CORE	Trace ship's ventilation systems (i.e. supply, exhaust, recirculation)

PLANT SAFETY

Paygrade	Task Type	Task Statements
E3	CORE	Clean engineering spaces and equipment
E3	CORE	Conduct Engineering Operating Sequencing System (EOSS) pre-op checks
E3	CORE	Describe engineering space special precautions (e.g., hazards of moving machinery, flammable liquids, electrical equipment, steam, etc.)
E3	CORE	Record space temperatures
E3	CORE	State the purpose of the Hearing Conservation Program (HCP) and training requirements
E3	CORE	State the purpose of the Heat Stress Program and training requirements
E3	CORE	State the purpose of the Sight Conservation Program and training requirements

WATCHSTANDING AND ORGANIZATION

Paygrade	Task Type	Task Statements
E3	CORE	Describe organizational structure of the engineering department
E3	CORE	Describe the roles and responsibilities of in port and at sea engineering watches
E3	CORE	Perform the duties of a fire watch
E3	CORE	Perform the duties of a phone talker
E3	CORE	Stand engineering watches

CHAPTER 36

EXPLOSIVE ORDNANCE DISPOSAL (EOD)

NAVPERS 18068F-36D
Change 104

Updated: October 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

EXPLOSIVE ORDNANCE DISPOSAL (EOD)

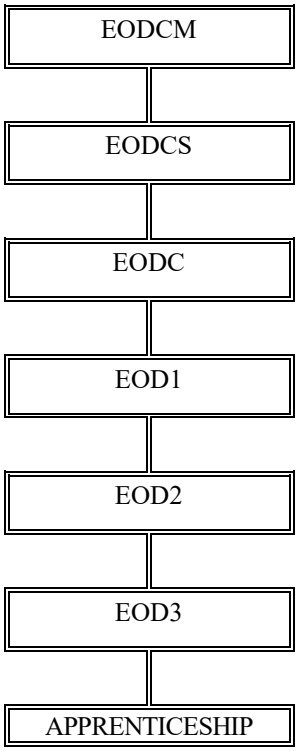
SCOPE OF RATING

Explosive Ordnance Disposal (EOD) Technicians locate, identify, render safe, defeat, exploit and dispose of foreign and domestic unexploded ordnance including conventional, chemical, biological, nuclear, underwater, and improvised devices, enabling access during military operations in support of Carrier and Expeditionary Strike Groups, Mine Countermeasures, Naval Special Warfare, and Army Special Forces; provide training and assistance for military, federal, state, and local civilian law enforcement agencies in Anti-terrorism/Force Protection procedures; support and conduct ordnance-related intelligence collection and counter-terrorism operations; operate, maintain, and repair specialized EOD and combat equipment; and maintain required forms, records, correspondence; and perform and supervise open and closed-circuit diving, explosive demolition, parachuting, small arms proficiency, and tactical delivery and extraction by unconventional insertion methods.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 36.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Limited Duty Officer can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN articles 1220-200, 1220-410 and 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Senior Explosive Ordnance Disposal Technician 001172

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	SENIOR EXPLOSIVE ORD DISPO TEC	EOD SENIOR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EOD	NEC M03A or other NECs as assigned.

Job Description

Senior Explosive Ordnance Disposal Technicians eliminate explosive and unconventional hazards that jeopardize operations conducted in support of National military strategy; conduct and supervise most phases of Explosive Ordnance Disposal (EOD) operations under the guidance of Master Explosive Ordnance Disposal Technicians; detect, locate, access, identify, render safe, and recover explosive and unconventional hazards; perform Sensitive Site Exploitation (SSE) and disposal of explosive and unconventional hazards; perform diving, parachute insertion, Helicopter Rope Suspension Technique (HRST)/cast; maintain proficiency in advanced Tactics, Techniques and Procedures (TTP) for front-line combat operations, Improvised Explosive Devices (IED) defeat, and incident site access; and assist Master Explosive Ordnance Disposal Technicians in the planning and execution of all EOD operations.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
EOD/UDT	143100	Emergency Management Directors	11-9161.00	Management

Skills	Abilities
Active Listening	*Problem Sensitivity*
Operation and Control	*Spatial Orientation*
Critical Thinking	*Oral Expression*
Monitoring	*Deductive Reasoning*
Judgment and Decision Making	*Written Comprehension*
Equipment Selection	*Inductive Reasoning*
Complex Problem Solving	*Information Ordering*
Learning Strategies	*Gross Body Coordination*
Management of Material Resources	*Category Flexibility*
Equipment Maintenance	*Oral Comprehension*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	CORE	Assist Master Explosive Ordnance Disposal (EOD) Technician implement training plans
E5	CORE	Assist Master Explosive Ordnance Disposal (EOD) Technician with drill and exercise evaluations
E4	CORE	Assist Master Explosive Ordnance Disposal (EOD) Technician with drill and exercise set-up
E5	CORE	Assist Master Explosive Ordnance Disposal (EOD) Technician with implementation of Operational Risk Management (ORM) and safety monitoring
E6	CORE	Evaluate Explosive Ordnance Disposal (EOD) executed drills and exercises
E6	CORE	Maintain Explosive Ordnance Disposal (EOD) administrative records
E4	CORE	Maintain Explosive Ordnance Disposal (EOD) publications and instructions (e.g., Special Weapons Operation Publication (SWOPS), Automated EOD Publication Systems (AEODPS), North Atlantic Treaty Organization (NATO), etc.)
E4	CORE	Maintain sensitive equipment inventories (e.g., Arms, Ammunition, and Explosives (AA&E), communications, intelligence, etc.)
E4	CORE	Perform security program procedures
E5	CORE	Prepare information briefs
E6	CORE	Provide feedback to exercise participants
E4	CORE	Research information on Explosive Ordnance Disposal (EOD) databases
E7	NON-CORE	Research newly developed Explosive Ordnance Disposal (EOD) technology and equipment

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise sensitive equipment stowage and transportation (e.g., Arms, Ammunition, and Explosives (AA&E), communications, intelligence, etc.)

CHEMICAL, BIOLOGICAL, RADIOLOGICAL, NUCLEAR EXPLOSIVE (CBRNE) RESPONSE

Paygrade	Task Type	Task Statements
E4	CORE	Assess hazards during Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) response
E4	CORE	Assess laboratories for chemical and biological materials
E4	CORE	Collect Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) ordnance response data
E4	CORE	Decontaminate personnel and equipment
E4	CORE	Dispose of chemical and biological ordnance
E5	CORE	Establish command posts for Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) ordnance response
E4	CORE	Establish protective measures for Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) response
E4	CORE	Perform continuation of Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) response after initial entry
E4	CORE	Perform initial response for Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) ordnance
E5	CORE	Supervise data collection for Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) response
E5	NON-CORE	Supervise response assets for Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) devices response
E4	CORE	Treat Nuclear, Biological, Chemical (NBC) casualties

COMBAT SKILLS

Paygrade	Task Type	Task Statements
E4	CORE	Employ crew-served weapons
E5	CORE	Employ explosive access techniques (e.g., remote entry, breaching, tactical application of demolition, etc.)
E4	CORE	Employ hand grenades
E4	CORE	Employ small arms
E4	CORE	Employ standoff weapons systems
E4	NON-CORE	Maintain crew-served weapon mounts and stands
E6	NON-CORE	Maintain range facilities
E4	CORE	Maintain standoff weapons systems
E4	CORE	Maintain weapons
E4	CORE	Neutralize hostile threats using non-lethal force
E4	CORE	Neutralize potential area hostile targets (long range)
E4	CORE	Neutralize potential point hostile targets (close range)
E4	CORE	Perform advanced small arms techniques
E4	CORE	Perform weapons qualifications
E4	CORE	Perform weapons training

COMBAT SKILLS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise employment of weapons
E6	NON-CORE	Supervise shoot house operations
E6	CORE	Supervise small arms and crew-served weapons ranges

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Employ communications equipment (e.g., Satellite Communication (SATCOM), Information Technology (IT), High Frequency (HF), etc.)
E4	CORE	Employ Communications Security (COMSEC) equipment
E4	CORE	Employ mesh network and battlefield awareness technology
E4	CORE	Establish downrange communications
E4	CORE	Load Communications Security (COMSEC) equipment
E4	NON-CORE	Maintain communications equipment (e.g., Satellite Communication (SATCOM), Information Technology (IT), High Frequency (HF), etc.)
E4	NON-CORE	Maintain Information Technology (IT) communication systems
E4	CORE	Safeguard Communications Security (COMSEC) equipment

CONVENTIONAL ORDNANCE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Assess hazards during conventional ordnance response
E4	CORE	Collect conventional ordnance response data
E6	CORE	Develop ad hoc Render Safe Procedures (RSP) for unknown ordnance
E4	CORE	Disable hazards during conventional ordnance response
E4	CORE	Dispose of conventional ordnance
E6	CORE	Establish command posts for conventional ordnance response
E4	CORE	Establish protective measures for conventional response
E4	CORE	Perform conventional ordnance Render Safe Procedures (RSP)
E4	CORE	Perform disposition of conventional ordnance
E4	CORE	Perform final disposition of hazards for conventional response (e.g., batteries, otto fuel, High Pressure (HP) bottles, etc.)
E4	CORE	Perform flight deck response operations
E4	CORE	Perform on-site reconnaissance for conventional ordnance response
E4	CORE	Perform range sweep operations
E4	CORE	Perform tactical field evaluation of explosive hazards
E6	CORE	Supervise conventional ordnance response
E6	CORE	Supervise data collection for conventional ordnance response
E6	CORE	Supervise range sweep operations
E6	CORE	Supervise response assets for conventional ordnance response

DEMOLITION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Perform burn operations
E4	CORE	Perform demolition operations
E4	CORE	Store Arms Ammunitions and Explosive (AA&E) materials

DEMOLITION OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise burn operations
E6	CORE	Supervise demolition operations
E4	CORE	Transport Arms, Ammunition, and Explosives (AA&E)

EXPLOITATION

Paygrade	Task Type	Task Statements
E5	CORE	Document preliminary/comprehensive technical report information assessments
E4	NON-CORE	Perform forensic photography
E4	CORE	Perform Level 1 exploitation procedures on Ordnance/Collected Exploitable Material (CEM)/Foreign Material (FM) (e.g., stripping, disassemble, radiography, etc.)
E5	CORE	Supervise Level 1 exploitation operations and data collection on Collected Exploitable Material (CEM)/Foreign Material (FM) (e.g., stripping, disassemble, radiography, etc.)

HIGH-RISK TRAINING PROGRAM AND MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Develop high-risk training and evolution safety briefs
E6	CORE	Evaluate drills and exercises (e.g., range, dive, jump operation, etc.)
E4	CORE	Perform high-risk training
E5	CORE	Supervise high-risk training plans

HOMEMADE EXPLOSIVES (HME)

Paygrade	Task Type	Task Statements
E4	CORE	Assess hazards during Homemade Explosives (HME) response
E4	CORE	Collect Homemade Explosives (HME) response data
E6	CORE	Coordinate response assets for Homemade Explosives (HME) response
E4	CORE	Disable hazards during Homemade Explosives (HME) response
E4	CORE	Dispose of Homemade Explosives (HME)
E5	CORE	Establish command posts for Homemade Explosives (HME) response
E4	CORE	Establish protective measures for Homemade Explosives (HME) response
E4	CORE	Perform disposition of Homemade Explosives (HME)
E4	CORE	Perform disposition of Homemade Explosives (HME) hazards
E4	CORE	Perform on-site reconnaissance for Homemade Explosives (HME) response
E5	CORE	Supervise access procedures during Homemade Explosives (HME) response
E5	CORE	Supervise data collection for Homemade Explosives (HME) response
E5	CORE	Supervise response assets for Homemade Explosives (HME) response

HUMAN PERFORMANCE (HP)/PHYSICAL AND MENTAL CONDITIONING

Paygrade	Task Type	Task Statements
E6	CORE	Assess individual/team wellness and resiliency plans
E4	CORE	Establish wellness and resiliency plans (e.g., operational stress, mental/behavioral health, etc.)
E4	CORE	Implement wellness and resiliency measures (e.g., mind, body, spirit, etc.)
E4	CORE	Maintain individual wellness and resilience
E6	CORE	Manage physical conditioning training

HUMAN PERFORMANCE (HP)/PHYSICAL AND MENTAL CONDITIONING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform combat simulation training (e.g., standup, ground, prisoner handling, etc.)
E4	CORE	Perform endurance training
E4	CORE	Perform nutrition training
E4	CORE	Perform physical therapy/rehabilitation training
E4	CORE	Perform strength training
E5	CORE	Plan physical conditioning training
E5	CORE	Supervise physical conditioning training

IMPROVISED EXPLOSIVE DEVICE OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Access hazardous device during Improvised Explosive Devices (IED) response
E4	CORE	Assess Improvised Explosive Devices (IED) hazards
E4	CORE	Clear obstacles and explosive hazards
E4	CORE	Collect Improvised Explosive Devices (IED) response data
E5	CORE	Develop Improvised Explosive Devices (IED) Render Safe Procedures (RSP)
E4	CORE	Dispose of Improvised Explosive Devices (IED) hazards
E5	CORE	Establish command posts for Improvised Explosive Devices (IED) response
E4	CORE	Establish protective measures for Improvised Explosive Devices (IED) response
E4	CORE	Identify components and type-by-function of Improvised Explosive Devices (IED)
E4	CORE	Perform diagnostic analysis on Improvised Explosive Devices (IED) circuits
E4	CORE	Perform on-site reconnaissance for Improvised Explosive Devices (IED) response
E4	CORE	Render safe hazards during Improvised Explosive Devices (IED) response
E5	CORE	Supervise access procedures during Improvised Explosive Devices (IED) response
E5	CORE	Supervise data collection for Improvised Explosive Devices (IED) response
E5	CORE	Supervise Improvised Explosive Devices (IED) response operations
E5	CORE	Supervise response assets for Improvised Explosive Devices (IED) response

INTELLIGENCE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Collect intelligence information
E5	CORE	Create intelligence reports
E6	NON-CORE	Obtain Intelligence Community (IC) intelligence/information requirements
E4	CORE	Perform Sensitive Site Exploitation (SSE)
E5	CORE	Report intelligence information
E5	CORE	Supervise Sensitive Site Exploitation (SSE) collections

IRREGULAR WARFARE/INTERAGENCY AND JOINT SUPPORT

Paygrade	Task Type	Task Statements
E4	CORE	Integrate with joint, multinational Special Operations Forces (SOF)/Conventional Forces
E6	CORE	Liaise with international agencies
E4	CORE	Perform Counterinsurgency Operations (COIN)
E4	NON-CORE	Perform Counter-Terrorism (CT) operations

IRREGULAR WARFARE/INTERAGENCY AND JOINT SUPPORT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Foreign Internal Defense (FID) operations (e.g., train Tactics, Techniques and Procedures (TTP), build partner capacity, etc.)
E5	CORE	Perform Stabilization, Security, Transition, Reconstruction Operations (SSTRO)
E4	CORE	Perform unconventional warfare operations
E5	CORE	Provide agency/organization integration recommendations (e.g., Non-Governmental Organizations (NGO), Other Governmental Agencies (OGA), interagency, etc.)

LIFE SAVING

Paygrade	Task Type	Task Statements
E4	CORE	Administer combat life-saving medical treatments
E4	CORE	Administer diving medical treatments
E4	CORE	Administer first aid
E4	CORE	Administer Tactical Combat Casualty Care (TCCC)
E4	CORE	Conduct Casualty Evacuations (CASEVAC)/Medical Evacuations (MEDEVAC)
E4	CORE	Maintain diver life support equipment
E4	CORE	Maintain first aid equipment

MISSION CRITICAL EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Don mission-specific personal protective equipment for associated hazards
E5	CORE	Employ advanced rigging techniques (e.g., vertical, horizontal, confined space, etc.)
E4	NON-CORE	Employ audio-visual equipment
E4	CORE	Employ Electronic Countermeasures (ECM)
E4	CORE	Employ electronic diagnostic equipment
E4	NON-CORE	Employ Electronic Warfare (EW) equipment
E4	CORE	Employ long-range reconnaissance equipment
E4	CORE	Employ optical/observation devices during night operations
E4	CORE	Employ radiographic equipment
E4	CORE	Employ remote disruption tools, techniques, and procedures
E4	CORE	Locate buried hazards
E4	CORE	Maintain personal equipment
E4	CORE	Maintain tactical support equipment
E4	CORE	Perform remote disruption with explosive tools and equipment
E4	CORE	Perform remote procedures using Remotely Operated Vehicle (ROV) (i.e., air, land, water)
E5	CORE	Supervise Remotely Operated Vehicle (ROV) operations

MOBILITY

Paygrade	Task Type	Task Statements
E4	CORE	Maintain air operations equipment
E4	NON-CORE	Maintain small boat support equipment
E4	NON-CORE	Maintain small boats
E4	NON-CORE	Perform cargo and equipment air insertion operations
E4	CORE	Perform dismounted tactical movements

MOBILITY (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform fast rope operations
E4	CORE	Perform helicopter cast/recovery operations
E4	CORE	Perform Helicopter Rope Suspension Training (HRST) operations
E4	CORE	Perform ladder climb ship-boarding infiltration and exfiltration operations
E4	CORE	Perform maritime operations (e.g., Visit, Board, Search, and Seizure (VBSS), Gas & Oil Platform (GOPLAT), combat swimmer, Underwater Breathing Apparatus (UBA), etc.)
E4	CORE	Perform military freefall parachute operations
E4	CORE	Perform mounted tactical movements
E4	NON-CORE	Perform parachute packing
E5	NON-CORE	Perform parachute rigger operations
E4	CORE	Perform rappelling operations
E4	CORE	Perform small boat launch and recovery operations
E4	CORE	Perform small boat operations
E4	CORE	Perform Special Purpose Insertion Extraction (SPIE) operations
E4	CORE	Perform static line parachute operations
E5	CORE	Plan dismounted movements
E5	CORE	Plan mounted movements
E5	NON-CORE	Supervise cargo and equipment air insertion operations
E5	CORE	Supervise cast and recovery operations
E5	CORE	Supervise Explosive Ordnance Disposal (EOD) dismounted movements
E5	CORE	Supervise Explosive Ordnance Disposal (EOD) mounted movements
E5	CORE	Supervise fast rope operations
E6	NON-CORE	Supervise freefall parachute operations
E5	CORE	Supervise Helicopter Rope Suspension Training (HRST) operations
E5	CORE	Supervise rappelling operations
E5	CORE	Supervise small boat operations
E5	CORE	Supervise Special Purpose Insertion Extraction (SPIE) operations
E6	NON-CORE	Supervise static-line parachute operations

UNDERWATER ORDNANCE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Perform disposition of hazards for underwater response
E5	CORE	Supervise search and recovery operations
E4	CORE	Assess hazards during underwater hazard response
E4	CORE	Collect data for underwater hazard response
E4	CORE	Dispose of underwater ordnance
E4	NON-CORE	Employ Unmanned Underwater Vehicles (UUV)
E5	CORE	Establish command posts for underwater hazard response
E4	CORE	Establish protective measures during underwater response
E4	CORE	Maintain diving equipment

UNDERWATER ORDNANCE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform closed circuit Underwater Breathing Apparatus (UBA) dives
E4	CORE	Perform Expeditionary Mine Countermeasures (ExMCM) operations
E4	CORE	Perform exploitation procedures for underwater ordnance
E4	CORE	Perform in-water procedures against mine sensor package
E4	CORE	Perform limpet mine response operations
E4	CORE	Perform on-site reconnaissance for underwater hazard response
E4	CORE	Perform open circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dive operations
E4	CORE	Prosecute underwater ordnance
E4	CORE	Render safe hazards during underwater hazards response
E6	CORE	Supervise closed circuit Underwater Breathing Apparatus (UBA) dive operations
E6	CORE	Supervise data collection for underwater hazard response
E6	CORE	Supervise Expeditionary Mine Countermeasures operations (ExMCM)
E5	CORE	Supervise limpet mine response
E5	CORE	Supervise open circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dive operations
E6	CORE	Supervise response assets for underwater hazard response
E6	CORE	Supervise semi-closed circuit Underwater Breathing Apparatus (UBA) operations
E6	NON-CORE	Supervise Unmanned Underwater Vehicles (UUV) operations

Job Title **Job Code**

Master Explosive Ordnance Disposal Technician 001177

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	MASTER EXPLOSIVE ORD DISPO TEC	EOD MASTER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EOD	NEC M04A or other NECs as assigned

Job Description

Master Explosive Ordnance Disposal Technicians are responsible for eliminating explosive and unconventional hazards which jeopardize operations conducted in support of the National military strategy; manage and administer certification and Quality Assurance (QA) programs on Explosive Ordnance Disposal (EOD) and diving systems and equipment to include Research, Development, Test, and Evaluation (RDT&E); responsible for training and readiness assessments of the EOD and diving forces; plan, manage, and supervise all aspects of EOD operations; integrate EOD forces with joint/foreign military and other local/state/federal agencies; assess manpower and resource requirements; and conduct long-range mission planning in support of EOD operations.

DoD Relationship **O*NET Relationship**

Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
EOD/UDT	143100	Emergency Management Directors	11-9161.00	Management

Skills	Abilities
Operation and Control	*Problem Sensitivity*
Active Listening	*Spatial Orientation*
Monitoring	*Oral Expression*
Critical Thinking	*Deductive Reasoning*
Management of Material Resources	*Written Comprehension*
Judgment and Decision Making	*Inductive Reasoning*
Equipment Selection	*Information Ordering*
Complex Problem Solving	*Category Flexibility*
Learning Strategies	*Gross Body Coordination*
Management of Personnel Resources	*Oral Comprehension*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	NON-CORE	Evaluate newly developed technology and equipment
E5	CORE	Assist Master Explosive Ordnance Disposal (EOD) Technician with implementation of Operational Risk Management (ORM) and safety monitoring
E6	CORE	Evaluate Explosive Ordnance Disposal (EOD) executed drills and exercises
E6	CORE	Maintain Explosive Ordnance Disposal (EOD) administrative records
E4	CORE	Maintain Explosive Ordnance Disposal (EOD) publications and instructions (e.g., Special Weapons Operation Publication (SWOPS), Automated EOD Publication Systems (AEODPS), North Atlantic Treaty Organization (NATO), etc.)
E4	CORE	Maintain sensitive equipment inventories (e.g., Arms, Ammunition, and Explosives (AA&E), communications, intelligence, etc.)
E7	NON-CORE	Manage Arms, Ammunition, and Explosives (AA&E) database programs
E7	CORE	Manage Arms, Ammunition, and Explosives (AA&E) inventories
E7	CORE	Manage drills and exercises
E7	CORE	Manage Explosive Ordnance Disposal (EOD) administrative programs
E7	NON-CORE	Manage manpower resources
E7	CORE	Manage Operational Risk Management (ORM) and safety programs
E7	NON-CORE	Manage personnel qualification and certification programs for Arms, Ammunition, and Explosives (AA&E)
E7	CORE	Manage transportation and storage of Arms, Ammunition, and Explosives (AA&E)
E4	CORE	Perform security program procedures

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Prepare information briefs
E6	CORE	Provide feedback to exercise participants
E4	CORE	Research information on Explosive Ordnance Disposal (EOD) databases
E7	NON-CORE	Research newly developed Explosive Ordnance Disposal (EOD) technology and equipment
E6	CORE	Supervise sensitive equipment stowage and transportation (e.g., Arms, Ammunition, and Explosives (AA&E), communications, intelligence, etc.)
E7	NON-CORE	Track material readiness

CHEMICAL, BIOLOGICAL, RADIOLOGICAL, NUCLEAR EXPLOSIVE (CBRNE) RESPONSE

Paygrade	Task Type	Task Statements
E4	CORE	Assess hazards during Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) response
E4	CORE	Assess laboratories for chemical and biological materials
E4	CORE	Collect Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) ordnance response data
E4	CORE	Decontaminate personnel and equipment
E4	CORE	Dispose of chemical and biological ordnance
E5	CORE	Establish command posts for Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) ordnance response
E4	CORE	Establish protective measures for Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) response
E7	CORE	Manage Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) response operations, plans, and forces
E4	CORE	Perform continuation of Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) response after initial entry
E4	CORE	Perform initial response for Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) ordnance
E5	CORE	Supervise data collection for Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) response
E5	NON-CORE	Supervise response assets for Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) devices response
E4	CORE	Treat Nuclear, Biological, Chemical (NBC) casualties

COMBAT SKILLS

Paygrade	Task Type	Task Statements
E4	CORE	Employ crew-served weapons
E5	CORE	Employ explosive access techniques (e.g., remote entry, breaching, tactical application of demolition, etc.)
E4	CORE	Employ hand grenades
E4	CORE	Employ small arms
E4	CORE	Employ standoff weapons systems
E4	NON-CORE	Maintain crew-served weapon mounts and stands
E6	NON-CORE	Maintain range facilities
E4	CORE	Maintain standoff weapons systems

COMBAT SKILLS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain weapons
E4	CORE	Neutralize hostile threats using non-lethal force
E4	CORE	Neutralize potential area hostile targets (long range)
E4	CORE	Neutralize potential point hostile targets (close range)
E4	CORE	Perform advanced small arms techniques
E4	CORE	Perform weapons qualifications
E4	CORE	Perform weapons training
E6	CORE	Supervise employment of weapons
E6	NON-CORE	Supervise shoot house operations
E6	CORE	Supervise small arms and crew-served weapons ranges

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Employ communications equipment (e.g., Satellite Communication (SATCOM), Information Technology (IT), High Frequency (HF), etc.)
E4	CORE	Employ Communications Security (COMSEC) equipment
E4	CORE	Employ mesh network and battlefield awareness technology
E4	CORE	Establish downrange communications
E4	CORE	Load Communications Security (COMSEC) equipment
E4	NON-CORE	Maintain communications equipment (e.g., Satellite Communication (SATCOM), Information Technology (IT), High Frequency (HF), etc.)
E4	NON-CORE	Maintain Information Technology (IT) communication systems
E7	NON-CORE	Manage Communications Security (COMSEC) material/devices
E4	CORE	Safeguard Communications Security (COMSEC) equipment

CONVENTIONAL ORDNANCE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Assess hazards during conventional ordnance response
E4	CORE	Collect conventional ordnance response data
E6	CORE	Coordinate response assets for conventional ordnance response
E6	CORE	Develop ad hoc Render Safe Procedures (RSP) for unknown ordnance
E4	CORE	Disable hazards during conventional ordnance response
E4	CORE	Dispose of conventional ordnance
E6	CORE	Establish command posts for conventional ordnance response
E4	CORE	Establish protective measures for conventional response
E7	NON-CORE	Exercise Command and Control (C2) of conventional ordnance response
E4	CORE	Perform conventional ordnance Render Safe Procedures (RSP)
E4	CORE	Perform disposition of conventional ordnance
E4	CORE	Perform final disposition of hazards for conventional response (e.g., batteries, otto fuel, High Pressure (HP) bottles, etc.)
E4	CORE	Perform flight deck response operations
E4	CORE	Perform on-site reconnaissance for conventional ordnance response
E4	CORE	Perform range sweep operations

CONVENTIONAL ORDNANCE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform tactical field evaluation of explosive hazards
E6	CORE	Supervise conventional ordnance response
E6	CORE	Supervise data collection for conventional ordnance response
E6	CORE	Supervise range sweep operations
E6	CORE	Supervise response assets for conventional ordnance response

DEMOLITION OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Manage range operations
E4	CORE	Perform burn operations
E4	CORE	Perform demolition operations
E4	CORE	Store Arms Ammunitions and Explosive (AA&E) materials
E6	CORE	Supervise burn operations
E6	CORE	Supervise demolition operations
E4	CORE	Transport Arms, Ammunition, and Explosives (AA&E)

EXPLOITATION

Paygrade	Task Type	Task Statements
E5	CORE	Document preliminary/comprehensive technical report information assessments
E7	CORE	Manage Level 1 exploitation operations, plans, resources, and forces on Ordnance/Collected Exploitable Material (CEM)/Foreign Material (FM) (e.g., stripping, disassemble, radiography, etc.)
E4	NON-CORE	Perform forensic photography
E4	CORE	Perform Level 1 exploitation procedures on Ordnance/Collected Exploitable Material (CEM)/Foreign Material (FM) (e.g., stripping, disassemble, radiography, etc.)
E5	CORE	Supervise Level 1 exploitation operations and data collection on Collected Exploitable Material (CEM)/Foreign Material (FM) (e.g., stripping, disassemble, radiography, etc.)

HIGH-RISK TRAINING PROGRAM AND MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Develop high-risk training and evolution safety briefs
E6	CORE	Evaluate drills and exercises (e.g., range, dive, jump operation, etc.)
E7	CORE	Manage plans, forces, and resources for high-risk drills and exercises (e.g., range, dive, jump operation, etc.)
E4	CORE	Perform high-risk training
E6	CORE	Plan high-risk training, drills and exercises (e.g., range, dive, jump operation, etc.)
E5	CORE	Supervise high-risk training plans

HOMEMADE EXPLOSIVES (HME)

Paygrade	Task Type	Task Statements
E4	CORE	Assess hazards during Homemade Explosives (HME) response
E4	CORE	Collect Homemade Explosives (HME) response data
E6	CORE	Coordinate response assets for Homemade Explosives (HME) response
E4	CORE	Disable hazards during Homemade Explosives (HME) response
E4	CORE	Dispose of Homemade Explosives (HME)

HOMEMADE EXPLOSIVES (HME) (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Establish command posts for Homemade Explosives (HME) response
E4	CORE	Establish protective measures for Homemade Explosives (HME) response
E7	CORE	Manage Homemade Explosives (HME) response operations, plans, and forces
E4	CORE	Perform disposition of Homemade Explosives (HME)
E4	CORE	Perform disposition of Homemade Explosives (HME) hazards
E4	CORE	Perform on-site reconnaissance for Homemade Explosives (HME) response
E5	CORE	Supervise access procedures during Homemade Explosives (HME) response
E5	CORE	Supervise data collection for Homemade Explosives (HME) response
E5	CORE	Supervise response assets for Homemade Explosives (HME) response

HUMAN PERFORMANCE (HP)/PHYSICAL AND MENTAL CONDITIONING

Paygrade	Task Type	Task Statements
E6	CORE	Assess individual/team wellness and resiliency plans
E4	CORE	Establish wellness and resiliency plans (e.g., operational stress, mental/behavioral health, etc.)
E4	CORE	Implement wellness and resiliency measures (e.g., mind, body, spirit, etc.)
E4	CORE	Maintain individual wellness and resilience
E6	CORE	Manage physical conditioning training
E4	CORE	Perform combat simulation training (e.g., standup, ground, prisoner handling, etc.)
E4	CORE	Perform endurance training
E4	CORE	Perform nutrition training
E4	CORE	Perform physical therapy/rehabilitation training
E4	CORE	Perform strength training
E5	CORE	Plan physical conditioning training
E5	CORE	Supervise physical conditioning training

IMPROVISED EXPLOSIVE DEVICE OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Access hazardous device during Improvised Explosive Devices (IED) response
E4	CORE	Assess Improvised Explosive Devices (IED) hazards
E4	CORE	Clear obstacles and explosive hazards
E4	CORE	Collect Improvised Explosive Devices (IED) response data
E5	CORE	Develop Improvised Explosive Devices (IED) Render Safe Procedures (RSP)
E4	CORE	Dispose of Improvised Explosive Devices (IED) hazards
E5	CORE	Establish command posts for Improvised Explosive Devices (IED) response
E4	CORE	Establish protective measures for Improvised Explosive Devices (IED) response
E4	CORE	Identify components and type-by-function of Improvised Explosive Devices (IED)
E7	CORE	Manage Improvised Explosive Devices (IED) response operations, plans, and forces
E4	CORE	Perform diagnostic analysis on Improvised Explosive Devices (IED) circuits
E4	CORE	Perform on-site reconnaissance for Improvised Explosive Devices (IED) response
E4	CORE	Render safe hazards during Improvised Explosive Devices (IED) response
E5	CORE	Supervise access procedures during Improvised Explosive Devices (IED) response

IMPROVISED EXPLOSIVE DEVICE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise data collection for Improvised Explosive Devices (IED) response
E5	CORE	Supervise Improvised Explosive Devices (IED) response operations
E5	CORE	Supervise response assets for Improvised Explosive Devices (IED) response

INTELLIGENCE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Collect intelligence information
E5	CORE	Create intelligence reports
E7	NON-CORE	Manage intelligence programs
E6	NON-CORE	Obtain Intelligence Community (IC) intelligence/information requirements
E4	CORE	Perform Sensitive Site Exploitation (SSE)
E5	CORE	Report intelligence information
E5	CORE	Supervise Sensitive Site Exploitation (SSE) collections

IRREGULAR WARFARE/INTERAGENCY AND JOINT SUPPORT

Paygrade	Task Type	Task Statements
E4	CORE	Integrate with joint, multinational Special Operations Forces (SOF)/Conventional Forces
E6	CORE	Liaise with international agencies
E4	CORE	Perform Counterinsurgency Operations (COIN)
E4	NON-CORE	Perform Counter-Terrorism (CT) operations
E4	CORE	Perform Foreign Internal Defense (FID) operations (e.g., train Tactics, Techniques and Procedures (TTP), build partner capacity, etc.)
E5	CORE	Perform Stabilization, Security, Transition, Reconstruction Operations (SSTRO)
E4	CORE	Perform unconventional warfare operations
E7	CORE	Plan Joint and Combined operations
E5	CORE	Provide agency/organization integration recommendations (e.g., Non-Governmental Organizations (NGO), Other Governmental Agencies (OGA), interagency, etc.)

LIFE SAVING

Paygrade	Task Type	Task Statements
E4	CORE	Administer combat life-saving medical treatments
E4	CORE	Administer diving medical treatments
E4	CORE	Administer first aid
E4	CORE	Administer Tactical Combat Casualty Care (TCCC)
E4	CORE	Conduct Casualty Evacuations (CASEVAC)/Medical Evacuations (MEDEVAC)
E4	CORE	Maintain diver life support equipment
E4	CORE	Maintain first aid equipment

MISSION CRITICAL EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Don mission-specific personal protective equipment for associated hazards
E5	CORE	Employ advanced rigging techniques (e.g., vertical, horizontal, confined space, etc.)
E4	NON-CORE	Employ audio-visual equipment

MISSION CRITICAL EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Employ Electronic Countermeasures (ECM)
E4	CORE	Employ electronic diagnostic equipment
E4	NON-CORE	Employ Electronic Warfare (EW) equipment
E4	CORE	Employ long-range reconnaissance equipment
E4	CORE	Employ optical/observation devices during night operations
E4	CORE	Employ radiographic equipment
E4	CORE	Employ remote disruption tools, techniques, and procedures
E4	CORE	Locate buried hazards
E4	CORE	Maintain personal equipment
E4	CORE	Maintain tactical support equipment
E4	CORE	Perform remote disruption with explosive tools and equipment
E4	CORE	Perform remote procedures using Remotely Operated Vehicle (ROV) (i.e., air, land, water)
E5	CORE	Supervise Remotely Operated Vehicle (ROV) operations

MOBILITY

Paygrade	Task Type	Task Statements
E4	CORE	Maintain air operations equipment
E4	NON-CORE	Maintain small boat support equipment
E4	NON-CORE	Maintain small boats
E4	NON-CORE	Perform cargo and equipment air insertion operations
E4	CORE	Perform dismounted tactical movements
E4	CORE	Perform fast rope operations
E4	CORE	Perform helicopter cast/recovery operations
E4	CORE	Perform Helicopter Rope Suspension Training (HRST) operations
E4	CORE	Perform ladder climb ship-boarding infiltration and exfiltration operations
E4	CORE	Perform maritime operations (e.g., Visit, Board, Search, and Seizure (VBSS), Gas & Oil Platform (GOPLAT), combat swimmer, Underwater Breathing Apparatus (UBA), etc.)
E4	CORE	Perform military freefall parachute operations
E4	CORE	Perform mounted tactical movements
E4	NON-CORE	Perform parachute packing
E5	NON-CORE	Perform parachute rigger operations
E4	CORE	Perform rappelling operations
E4	CORE	Perform small boat launch and recovery operations
E4	CORE	Perform small boat operations
E4	CORE	Perform Special Purpose Insertion Extraction (SPIE) operations
E4	CORE	Perform static line parachute operations
E5	CORE	Plan dismounted movements
E5	CORE	Plan mounted movements
E5	NON-CORE	Supervise cargo and equipment air insertion operations
E5	CORE	Supervise cast and recovery operations

MOBILITY (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise Explosive Ordnance Disposal (EOD) dismounted movements
E5	CORE	Supervise Explosive Ordnance Disposal (EOD) mounted movements
E5	CORE	Supervise fast rope operations
E6	NON-CORE	Supervise freefall parachute operations
E5	CORE	Supervise Helicopter Rope Suspension Training (HRST) operations
E5	CORE	Supervise rappelling operations
E5	CORE	Supervise small boat operations
E5	CORE	Supervise Special Purpose Insertion Extraction (SPIE) operations
E6	NON-CORE	Supervise static-line parachute operations

UNDERWATER ORDNANCE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Perform disposition of hazards for underwater response
E5	CORE	Supervise search and recovery operations
E4	CORE	Assess hazards during underwater hazard response
E4	CORE	Collect data for underwater hazard response
E7	CORE	Coordinate response assets for underwater hazard response
E4	CORE	Dispose of underwater ordnance
E4	NON-CORE	Employ Unmanned Underwater Vehicles (UUV)
E5	CORE	Establish command posts for underwater hazard response
E4	CORE	Establish protective measures during underwater response
E4	CORE	Maintain diving equipment
E7	CORE	Manage Command and Control (C2) for underwater hazard response
E7	CORE	Manage limpet mine response operations, plans, and forces
E7	CORE	Manage Mine Countermeasures (MCM) response
E4	CORE	Perform closed circuit Underwater Breathing Apparatus (UBA) dives
E4	CORE	Perform Expeditionary Mine Countermeasures (ExMCM) operations
E4	CORE	Perform exploitation procedures for underwater ordnance
E4	CORE	Perform in-water procedures against mine sensor package
E4	CORE	Perform limpet mine response operations
E4	CORE	Perform on-site reconnaissance for underwater hazard response
E4	CORE	Perform open circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dive operations
E7	NON-CORE	Plan Expeditionary Mine Countermeasures (ExMCM) operations
E4	CORE	Prosecute underwater ordnance
E4	CORE	Render safe hazards during underwater hazards response
E6	CORE	Supervise closed circuit Underwater Breathing Apparatus (UBA) dive operations
E6	CORE	Supervise data collection for underwater hazard response
E6	CORE	Supervise Expeditionary Mine Countermeasures operations (ExMCM)
E5	CORE	Supervise limpet mine response

UNDERWATER ORDNANCE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise open circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dive operations
E6	CORE	Supervise response assets for underwater hazard response
E6	CORE	Supervise semi-closed circuit Underwater Breathing Apparatus (UBA) operations
E6	NON-CORE	Supervise Unmanned Underwater Vehicles (UUV) operations

Job Title **Job Code**

Basic Explosive Ordnance Disposal Technician 002617

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Construction and Extraction	TBD	BASIC EXPLOSIVE ORD DISPO TEC	EOD BASIC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	EOD	NEC M02A or other NECs as assigned

Job Description

Basic Explosive Ordnance Disposal (EOD) Technicians perform duties to eliminate explosive and unconventional hazards which jeopardize operations conducted in support of the National military strategy; perform all phases of EOD operations under the guidance of Senior or Master Explosive Ordnance Disposal Technicians; detect, locate, access, identify, render safe, and recover explosive and unconventional hazards; perform Sensitive Site Exploitation (SSE) and disposal of explosive and unconventional hazards; perform diving, parachute insertion, Helicopter Rope Suspension Technique (HRST)/cast; and maintain proficiency in advanced Tactics, Techniques and Procedures (TTP) for front-line combat operations, Improvised Explosive Devices (IED) defeat, and incident site access.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
EOD/UDT	143100	Explosive Workers, Ordnance Handling Experts, and Blasters	47-5032.00	Construction and Extraction

Skills	Abilities
Active Listening	*Spatial Orientation*
Equipment Selection	*Problem Sensitivity*
Critical Thinking	*Written Comprehension*
Complex Problem Solving	*Deductive Reasoning*
Judgment and Decision Making	*Gross Body Coordination*
Learning Strategies	*Inductive Reasoning*
Management of Material Resources	*Oral Expression*
Operation and Control	*Information Ordering*
Equipment Maintenance	*Category Flexibility*
Monitoring	*Manual Dexterity*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Assist Master Explosive Ordnance Disposal (EOD) Technician with drill and exercise set-up
E5	CORE	Assist Master Explosive Ordnance Disposal (EOD) Technician with implementation of Operational Risk Management (ORM) and safety monitoring
E4	CORE	Maintain Explosive Ordnance Disposal (EOD) publications and instructions (e.g., Special Weapons Operation Publication (SWOPS), Automated EOD Publication Systems (AEODPS), North Atlantic Treaty Organization (NATO), etc.)
E4	CORE	Maintain sensitive equipment inventories (e.g., Arms, Ammunition, and Explosives (AA&E), communications, intelligence, etc.)
E4	CORE	Perform security program procedures
E4	CORE	Research information on Explosive Ordnance Disposal (EOD) databases

CHEMICAL, BIOLOGICAL, RADIOLOGICAL, NUCLEAR EXPLOSIVE (CBRNE) RESPONSE

Paygrade	Task Type	Task Statements
E4	CORE	Assess hazards during Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) response
E4	CORE	Assess laboratories for chemical and biological materials
E4	CORE	Collect Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) ordnance response data
E4	CORE	Decontaminate personnel and equipment
E4	CORE	Dispose of chemical and biological ordnance

CHEMICAL, BIOLOGICAL, RADIOLOGICAL, NUCLEAR EXPLOSIVE (CBRNE) RESPONSE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Establish protective measures for Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) response
E4	CORE	Perform continuation of Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) response after initial entry
E4	CORE	Perform initial response for Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) ordnance
E4	CORE	Treat Nuclear, Biological, Chemical (NBC) casualties

COMBAT SKILLS

Paygrade	Task Type	Task Statements
E4	CORE	Employ crew-served weapons
E4	CORE	Employ hand grenades
E4	CORE	Employ small arms
E4	CORE	Employ standoff weapons systems
E4	NON-CORE	Maintain crew-served weapon mounts and stands
E4	CORE	Maintain standoff weapons systems
E4	CORE	Maintain weapons
E4	CORE	Neutralize hostile threats using non-lethal force
E4	CORE	Neutralize potential area hostile targets (long range)
E4	CORE	Neutralize potential point hostile targets (close range)
E4	CORE	Perform advanced small arms techniques
E4	CORE	Perform weapons qualifications
E4	CORE	Perform weapons training

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Employ communications equipment (e.g., Satellite Communication (SATCOM), Information Technology (IT), High Frequency (HF), etc.)
E4	CORE	Employ Communications Security (COMSEC) equipment
E4	CORE	Employ mesh network and battlefield awareness technology
E4	CORE	Establish downrange communications
E4	CORE	Load Communications Security (COMSEC) equipment
E4	NON-CORE	Maintain communications equipment (e.g., Satellite Communication (SATCOM), Information Technology (IT), High Frequency (HF), etc.)
E4	NON-CORE	Maintain Information Technology (IT) communication systems
E4	CORE	Safeguard Communications Security (COMSEC) equipment

CONVENTIONAL ORDNANCE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Assess hazards during conventional ordnance response
E4	CORE	Collect conventional ordnance response data
E4	CORE	Disable hazards during conventional ordnance response
E4	CORE	Dispose of conventional ordnance
E4	CORE	Establish protective measures for conventional response

CONVENTIONAL ORDNANCE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform conventional ordnance Render Safe Procedures (RSP)
E4	CORE	Perform disposition of conventional ordnance
E4	CORE	Perform final disposition of hazards for conventional response (e.g., batteries, otto fuel, High Pressure (HP) bottles, etc.)
E4	CORE	Perform flight deck response operations
E4	CORE	Perform on-site reconnaissance for conventional ordnance response
E4	CORE	Perform range sweep operations
E4	CORE	Perform tactical field evaluation of explosive hazards

DEMOLITION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Perform burn operations
E4	CORE	Perform demolition operations
E4	CORE	Store Arms Ammunitions and Explosive (AA&E) materials
E4	CORE	Transport Arms, Ammunition, and Explosives (AA&E)

EXPLOITATION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Perform forensic photography
E4	CORE	Perform Level 1 exploitation procedures on Ordnance/Collected Exploitable Material (CEM)/Foreign Material (FM) (e.g., stripping, disassemble, radiography, etc.)

HIGH-RISK TRAINING PROGRAM AND MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Perform high-risk training

HOMEMADE EXPLOSIVES (HME)

Paygrade	Task Type	Task Statements
E4	CORE	Assess hazards during Homemade Explosives (HME) response
E4	CORE	Collect Homemade Explosives (HME) response data
E4	CORE	Disable hazards during Homemade Explosives (HME) response
E4	CORE	Dispose of Homemade Explosives (HME)
E4	CORE	Establish protective measures for Homemade Explosives (HME) response
E4	CORE	Perform disposition of Homemade Explosives (HME)
E4	CORE	Perform disposition of Homemade Explosives (HME) hazards
E4	CORE	Perform on-site reconnaissance for Homemade Explosives (HME) response

HUMAN PERFORMANCE (HP)/PHYSICAL AND MENTAL CONDITIONING

Paygrade	Task Type	Task Statements
E4	CORE	Establish wellness and resiliency plans (e.g., operational stress, mental/behavioral health, etc.)
E4	CORE	Implement wellness and resiliency measures (e.g., mind, body, spirit, etc.)
E4	CORE	Maintain individual wellness and resilience
E4	CORE	Perform combat simulation training (e.g., standup, ground, prisoner handling, etc.)
E4	CORE	Perform endurance training

HUMAN PERFORMANCE (HP)/PHYSICAL AND MENTAL CONDITIONING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform nutrition training
E4	CORE	Perform physical therapy/rehabilitation training
E4	CORE	Perform strength training

IMPROVISED EXPLOSIVE DEVICE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Assess Improvised Explosive Devices (IED) hazards
E4	CORE	Clear obstacles and explosive hazards
E4	CORE	Collect Improvised Explosive Devices (IED) response data
E4	CORE	Dispose of Improvised Explosive Devices (IED) hazards
E4	CORE	Establish protective measures for Improvised Explosive Devices (IED) response
E4	CORE	Identify components and type-by-function of Improvised Explosive Devices (IED)
E4	CORE	Perform diagnostic analysis on Improvised Explosive Devices (IED) circuits
E4	CORE	Perform on-site reconnaissance for Improvised Explosive Devices (IED) response
E4	CORE	Render safe hazards during Improvised Explosive Devices (IED) response

INTELLIGENCE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Collect intelligence information
E4	CORE	Perform Sensitive Site Exploitation (SSE)

IRREGULAR WARFARE/INTERAGENCY AND JOINT SUPPORT

Paygrade	Task Type	Task Statements
E4	CORE	Integrate with joint, multinational Special Operations Forces (SOF)/Conventional Forces
E4	CORE	Perform Counterinsurgency Operations (COIN)
E4	NON-CORE	Perform Counter-Terrorism (CT) operations
E4	CORE	Perform Foreign Internal Defense (FID) operations (e.g., train Tactics, Techniques and Procedures (TTP), build partner capacity, etc.)
E4	CORE	Perform unconventional warfare operations

LIFE SAVING

Paygrade	Task Type	Task Statements
E4	CORE	Administer combat life-saving medical treatments
E4	CORE	Administer diving medical treatments
E4	CORE	Administer first aid
E4	CORE	Administer Tactical Combat Casualty Care (TCCC)
E4	CORE	Conduct Casualty Evacuations (CASEVAC)/Medical Evacuations (MEDEVAC)
E4	CORE	Maintain diver life support equipment
E4	CORE	Maintain first aid equipment

MISSION CRITICAL EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Don mission-specific personal protective equipment for associated hazards
E5	CORE	Employ advanced rigging techniques (e.g., vertical, horizontal, confined space, etc.)
E4	NON-CORE	Employ audio-visual equipment
E4	CORE	Employ Electronic Countermeasures (ECM)
E4	CORE	Employ electronic diagnostic equipment
E4	NON-CORE	Employ Electronic Warfare (EW) equipment
E4	CORE	Employ long-range reconnaissance equipment
E4	CORE	Employ optical/observation devices during night operations
E4	CORE	Employ radiographic equipment
E4	CORE	Employ remote disruption tools, techniques, and procedures
E4	CORE	Locate buried hazards
E4	CORE	Maintain personal equipment
E4	CORE	Maintain tactical support equipment
E4	CORE	Perform remote disruption with explosive tools and equipment
E4	CORE	Perform remote procedures using Remotely Operated Vehicle (ROV) (i.e., air, land, water)

MOBILITY

Paygrade	Task Type	Task Statements
E4	CORE	Maintain air operations equipment
E4	NON-CORE	Maintain small boat support equipment
E4	NON-CORE	Maintain small boats
E4	NON-CORE	Perform cargo and equipment air insertion operations
E4	CORE	Perform dismounted tactical movements
E4	CORE	Perform fast rope operations
E4	CORE	Perform helicopter cast/recovery operations
E4	CORE	Perform Helicopter Rope Suspension Training (HRST) operations
E4	CORE	Perform ladder climb ship-boarding infiltration and exfiltration operations
E4	CORE	Perform maritime operations (e.g., Visit, Board, Search, and Seizure (VBSS), Gas & Oil Platform (GOPLAT), combat swimmer, Underwater Breathing Apparatus (UBA), etc.)
E4	CORE	Perform military freefall parachute operations
E4	CORE	Perform mounted tactical movements
E4	NON-CORE	Perform parachute packing
E4	CORE	Perform rappelling operations
E4	CORE	Perform small boat launch and recovery operations
E4	CORE	Perform small boat operations
E4	CORE	Perform Special Purpose Insertion Extraction (SPIE) operations
E4	CORE	Perform static line parachute operations
E5	NON-CORE	Supervise cargo and equipment air insertion operations
E5	CORE	Supervise cast and recovery operations

MOBILITY (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise fast rope operations
E5	CORE	Supervise Helicopter Rope Suspension Training (HRST) operations
E5	CORE	Supervise rappelling operations
E5	CORE	Supervise small boat operations
E5	CORE	Supervise Special Purpose Insertion Extraction (SPIE) operations

UNDERWATER ORDNANCE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Perform disposition of hazards for underwater response
E4	CORE	Assess hazards during underwater hazard response
E4	CORE	Collect data for underwater hazard response
E4	CORE	Dispose of underwater ordnance
E4	NON-CORE	Employ Unmanned Underwater Vehicles (UUV)
E4	CORE	Establish protective measures during underwater response
E4	CORE	Maintain diving equipment
E4	CORE	Perform closed circuit Underwater Breathing Apparatus (UBA) dives
E4	CORE	Perform Expeditionary Mine Countermeasures (ExMCM) operations
E4	CORE	Perform exploitation procedures for underwater ordnance
E4	CORE	Perform in-water procedures against mine sensor package
E4	CORE	Perform limpet mine response operations
E4	CORE	Perform on-site reconnaissance for underwater hazard response
E4	CORE	Perform open circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dive operations
E4	CORE	Prosecute underwater ordnance
E4	CORE	Render safe hazards during underwater hazards response
E5	CORE	Supervise open circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dive operations

CHAPTER 37

FIRE CONTROL TECHNICIAN
(FT)

NAVPERS 18068F-37G
Change 101

Updated: January 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

FIRE CONTROL TECHNICIAN (FT)

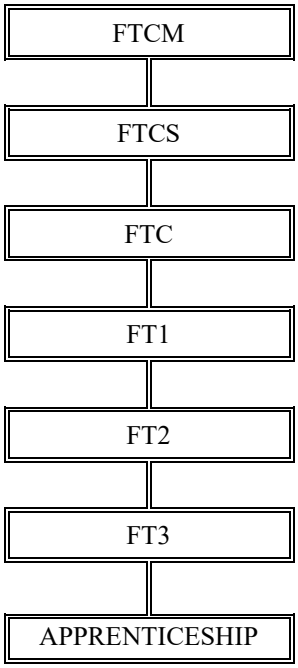
SCOPE OF RATING

Fire Control Technicians (FT) operate and maintain advanced electronic equipment and computers used in submarine Combat Control Systems (CCS), Over-the-Horizon (OTH) systems, Submarine Warfare Federated Tactical System (SWFTS), imaging, and weapons systems; participate in weapons handling functions; participate in the employment of Navy-guided missiles and underwater weapons systems; and operate and maintain non-tactical computer systems and peripherals.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 37.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Combat Control Systems Operator 001232

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	COMBAT CONTROL SYSTEMS OP	CMBT CTRL OPER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	FT	NEC TXXX series and other NECs as assigned

Job Description

Combat Control Systems (CCS) Operators perform operations and basic preventive level maintenance and troubleshooting on complex electronic, electrical, and mechanical submarine combat control equipment; operate Submarine Warfare Federated Tactical System (SWFTS) and peripherals; operate Imaging and Over-the-Horizon (OTH) systems; and participate in weapons handling and employment functions.

DoD Relationship **O*NET Relationship**

Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Missile Guidance and Control	112100	Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members, All Other	55-3019.00	Military Specific

Skills	Abilities
Operation and Control	*Problem Sensitivity*
Reading Comprehension	*Written Comprehension*
Complex Problem Solving	*Deductive Reasoning*
Quality Control Analysis	*Information Ordering*
Systems Analysis	*Inductive Reasoning*
Writing	*Oral Expression*
Critical Thinking	*Perceptual Speed*
Repairing	*Speed of Closure*
Systems Evaluation	*Written Expression*
Management of Material Resources	*Control Precision*

COMBAT CONTROL SYSTEM MAINTENANCE

Paygrade	Task Type	Task Statements
E5	CORE	Conduct Combat Control System (CCS) testing evolutions
E4	CORE	Install Combat Control Systems (CCS) software
E4	CORE	Maintain Combat Control Systems (CCS) software
E4	CORE	Troubleshoot Combat Control System (CCS)

COMBAT CONTROL SYSTEM OPERATIONS AND EMPLOYMENT

Paygrade	Task Type	Task Statements
E4	CORE	Conduct Combat Control System (CCS) training evolutions
E4	CORE	Employ Combat Control System (CCS) (i.e., contact management/weapons employment)
E4	CORE	Employ Combat Control System (CCS) data collection systems
E4	CORE	Employ Over-the-Horizon (OTH) systems for strike operations
E4	CORE	Initialize Combat Control System (CCS)
E4	CORE	Initialize Combat Control System (CCS) data collection systems
E4	CORE	Initialize Over-the-Horizon (OTH) systems
E4	CORE	Process off-hull reports (e.g., ephemeris data, ice lines, locators, etc.)
E5	CORE	Test Over-the-Horizon (OTH) systems
E4	CORE	Validate Combat Control System (CCS) status and conditions

CONTACT MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Analyze threat characteristics
E4	CORE	Assign appropriate symbology to contacts
E4	CORE	Correlate contacts across all ships' sensors
E4	CORE	Develop contact solutions
E4	CORE	Employ Combat Control System (CCS) algorithms
E4	CORE	Employ Over-the-Horizon (OTH) systems for contact management
E4	CORE	Evaluate visual classifications
E4	CORE	Interpret oceanographic data
E4	CORE	Make operational and situational reports
E5	CORE	Manage Over-the-Horizon (OTH) data for contact management
E4	CORE	Manage plots (e.g., fusion/Geographic (GEO) plot, time frequency, time range, etc.)
E4	CORE	Perform required contact reports
E4	CORE	Perform solution development procedures on surface and submerged contacts
E4	CORE	Perform visual observations
E4	CORE	Provide tactical recommendations to the contact management team

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze blueprints and ship’s drawings
E4	CORE	Analyze equipment schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E4	CORE	Annotate Combat Control System (CCS) operational logs
E4	CORE	Annotate submarine-launched countermeasure operational logs
E4	CORE	Inventory Combat Control System (CCS) software and firmware
E4	NON-CORE	Inventory controlled equipment
E4	CORE	Inventory test equipment

IMAGING SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Employ imaging systems
E4	CORE	Initialize imaging systems
E4	CORE	Maintain imaging systems

INFORMATION ASSURANCE (IA) SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Annotate Information Assurance (IA) systems logs
E5	CORE	Audit Information Assurance (IA) systems logs
E4	CORE	Conduct Information Assurance (IA) systems posture transitions
E4	CORE	Inventory removable media
E4	CORE	Maintain Information Assurance (IA) systems components
E4	CORE	Report Information Assurance (IA) incidents
E5	CORE	Troubleshoot Information Assurance (IA) systems

LEGACY EQUIPMENT

Paygrade	Task Type	Task Statements
E4	NON-CORE	Employ sound-silencing monitoring equipment
E4	NON-CORE	Initialize sound-silencing monitoring equipment
E4	NON-CORE	Initialize Submarine Emergency Communications Transmitter (SECT) buoy (i.e., AN/BST)
E4	NON-CORE	Remove Submarine Emergency Communications Transmitter (SECT) buoy components (i.e., AN/BST)
E4	NON-CORE	Replace Submarine Emergency Communications Transmitter (SECT) buoy components (i.e., AN/BST)
E4	NON-CORE	Test sound-silencing monitoring equipment
E4	NON-CORE	Test Submarine Emergency Communications Transmitter (SECT) buoy (i.e., AN/BST)

SUBMARINE-LAUNCHED WEAPONS EMPLOYMENT

Paygrade	Task Type	Task Statements
E4	CORE	Compute submarine-launched torpedo presets
E4	CORE	Conduct submarine-launched mine operations
E4	CORE	Conduct submarine-launched missile operations
E4	CORE	Conduct submarine-launched torpedo operations
E4	CORE	Draft Tomahawk Inventory Reports (TIR)
E4	CORE	Employ weapons launch equipment operations
E4	CORE	Initialize submarine-launched countermeasure systems (e.g., panels, racks, wires, etc.)
E4	CORE	Perform submarine-launched countermeasure operations
E4	CORE	Perform weapons casualty procedures
E4	CORE	Perform weapons emergency procedures
E4	CORE	Perform weapons recovery procedures
E4	CORE	Transition weapons systems between conditions of readiness

SUBMARINE-LAUNCHED WEAPONS HANDLING

Paygrade	Task Type	Task Statements
E4	CORE	Adjust weapons handling systems
E4	CORE	Conduct receipt inspections for submarine-launched weapons
E4	CORE	Initialize weapons handling systems
E4	CORE	Perform weapons handling operations
E4	CORE	Test weapons handling systems
E5	CORE	Troubleshoot weapons handling systems

WEAPONS LAUNCH EQUIPMENT MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Initialize weapons launch equipment
E4	CORE	Inspect weapons launch equipment

WEAPONS LAUNCH EQUIPMENT MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test submarine-launched countermeasure systems (e.g., panels, racks, wires, etc.)
E4	CORE	Test weapons launch equipment
E5	CORE	Troubleshoot submarine-launched countermeasure systems (e.g., panels, racks, wires, etc.)
E5	CORE	Troubleshoot weapons launch equipment

Job Title **Job Code**

Combat Control Systems Technician 001237

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	COMBAT CONTROL SYSTEMS TEC	CMBT CTRL TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	FT	NEC TXXX series and other NECs as assigned

Job Description

Combat Control Systems (CCS) Technicians perform advanced operations, maintenance, and troubleshooting on complex electronic, electrical, and mechanical submarine combat control equipment and multiple system interfaces; maintain Submarine Warfare Federated Tactical System (SWFTS) and peripherals; maintain Imaging and Over-the-Horizon (OTH) systems; supervise operations, maintenance, and training for personnel within the Combat Control System (CCS) division; and participate or lead in weapons handling and employment functions.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Missile Guidance and Control	112100	Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094.00	Installation, Maintenance and Repair

Skills	Abilities
Repairing	*Problem Sensitivity*
Reading Comprehension	*Written Comprehension*
Troubleshooting	*Deductive Reasoning*
Operation and Control	*Manual Dexterity*
Quality Control Analysis	*Information Ordering*
Systems Analysis	*Inductive Reasoning*
Management of Personnel Resources	*Speed of Closure*
Management of Material Resources	*Perceptual Speed*
Equipment Maintenance	*Finger Dexterity*
Systems Evaluation	*Written Expression*

COMBAT CONTROL SYSTEM MAINTENANCE

Paygrade	Task Type	Task Statements
E5	CORE	Conduct Combat Control System (CCS) testing evolutions
E5	CORE	Coordinate Combat Control System (CCS) maintenance
E4	CORE	Inspect Combat Control Systems (CCS) equipment
E5	CORE	Inspect interconnecting cables and connectors
E4	CORE	Install Combat Control Systems (CCS) software
E4	CORE	Maintain Combat Control Systems (CCS) software
E6	CORE	Manage Combat Control System (CCS) data collection systems
E4	CORE	Remove Combat Control System (CCS) components
E4	CORE	Remove digital Circuit Card Assemblies (CCA)
E5	CORE	Repair Combat Control System (CCS)
E5	NON-CORE	Repair fiber optic cables and connectors
E5	CORE	Repair Over-the-Horizon (OTH) systems
E4	CORE	Replace Combat Control System (CCS) components
E4	CORE	Replace digital Circuit Card Assemblies (CCA)
E6	CORE	Supervise Combat Control System (CCS) corrective maintenance
E5	NON-CORE	Test Alternating Current (AC) circuits
E5	CORE	Test Combat Control System (CCS)
E5	CORE	Test digital circuits

COMBAT CONTROL SYSTEM MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Test Direct Current (DC) Circuits
E5	CORE	Test fiber optic cables and connectors
E5	CORE	Test interconnecting cables and connectors
E5	CORE	Test network systems
E4	CORE	Test power supplies
E5	CORE	Troubleshoot Alternating Current (AC) circuits
E4	CORE	Troubleshoot Combat Control System (CCS)
E5	CORE	Troubleshoot digital circuits
E5	CORE	Troubleshoot Direct Current (DC) circuits
E5	CORE	Troubleshoot fiber optic cables and connectors
E5	CORE	Troubleshoot interconnecting cables and connectors
E5	CORE	Troubleshoot Over-the-Horizon (OTH) systems
E5	CORE	Troubleshoot power supplies

COMBAT CONTROL SYSTEM OPERATIONS AND EMPLOYMENT

Paygrade	Task Type	Task Statements
E4	CORE	Conduct Combat Control System (CCS) training evolutions
E4	CORE	Employ Combat Control System (CCS) (i.e., contact management/weapons employment)
E4	CORE	Initialize Combat Control System (CCS)
E4	CORE	Initialize Combat Control System (CCS) data collection systems
E7	CORE	Supervise Combat Control System (CCS) training and testing evolutions
E5	CORE	Test Over-the-Horizon (OTH) systems

CONTACT MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Correlate contacts across all ships' sensors

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze blueprints and ship's drawings
E4	CORE	Analyze equipment schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E5	CORE	Draft Casualty Reports (CASREP)
E6	CORE	Draft procedural documents for abnormal conditions (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E4	CORE	Inspect work areas, tools, and equipment
E6	CORE	Verify equipment installation, testing, and alterations

IMAGING SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Maintain imaging systems
E4	CORE	Remove imaging system components
E4	CORE	Repair imaging systems
E4	CORE	Replace imaging system components
E5	CORE	Troubleshoot imaging systems

INFORMATION ASSURANCE (IA) SYSTEMS

Paygrade	Task Type	Task Statements
E5	CORE	Audit Information Assurance (IA) systems logs
E4	CORE	Conduct Information Assurance (IA) systems posture transitions
E5	CORE	Configure Information Assurance (IA) systems
E7	CORE	Coordinate Information Assurance (IA) systems maintenance
E5	CORE	Establish network system profiles and credentials
E6	CORE	Inspect Information Assurance (IA) systems
E4	CORE	Maintain Information Assurance (IA) systems components
E6	CORE	Manage Information Assurance (IA) systems access control
E4	CORE	Remove Information Assurance (IA) systems components
E5	CORE	Repair Information Assurance (IA) systems
E4	CORE	Replace Information Assurance (IA) systems components
E4	CORE	Report Information Assurance (IA) incidents
E5	CORE	Test Information Assurance (IA) systems
E5	CORE	Troubleshoot Information Assurance (IA) systems

LEGACY EQUIPMENT

Paygrade	Task Type	Task Statements
E4	NON-CORE	Remove sound-silencing monitoring components
E4	NON-CORE	Remove Submarine Emergency Communications Transmitter (SECT) buoy components (i.e., AN/BST)
E4	NON-CORE	Repair sound-silencing monitoring equipment
E4	NON-CORE	Repair Submarine Emergency Communications Transmitter (SECT) buoy (i.e., AN/BST)
E4	NON-CORE	Replace sound-silencing monitoring components
E4	NON-CORE	Replace Submarine Emergency Communications Transmitter (SECT) buoy components (i.e., AN/BST)
E4	NON-CORE	Test sound-silencing monitoring equipment
E5	NON-CORE	Troubleshoot sound-silencing monitoring equipment
E5	NON-CORE	Troubleshoot Submarine Emergency Communications Transmitter (SECT) buoy (i.e., AN/BST)

SUBMARINE-LAUNCHED WEAPONS EMPLOYMENT

Paygrade	Task Type	Task Statements
E4	CORE	Conduct submarine-launched mine operations
E4	CORE	Conduct submarine-launched missile operations
E4	CORE	Conduct submarine-launched torpedo operations
E4	CORE	Conduct weapon software updates
E6	CORE	Draft erratic weapon reports
E6	CORE	Draft post firing messages
E4	CORE	Employ weapons launch equipment operations
E7	CORE	Manage weapons emergency procedures
E4	CORE	Perform submarine-launched countermeasure operations
E4	CORE	Perform weapons emergency procedures
E7	CORE	Supervise submarine-launched mine operations
E7	CORE	Supervise submarine-launched missile operations
E7	CORE	Supervise submarine-launched torpedo operations
E4	CORE	Transition weapons systems between conditions of readiness

SUBMARINE-LAUNCHED WEAPONS HANDLING

Paygrade	Task Type	Task Statements
E4	CORE	Adjust weapons handling systems
E4	CORE	Inspect weapons handling systems
E7	CORE	Manage maintenance of weapons handling systems
E4	CORE	Perform weapons handling operations
E4	CORE	Remove weapons handling systems components
E5	CORE	Repair weapons handling systems
E4	CORE	Replace weapons handling systems components
E7	CORE	Supervise weapons handling operations
E4	CORE	Test weapons handling systems
E5	CORE	Troubleshoot weapons handling systems

WEAPONS LAUNCH EQUIPMENT MAINTENANCE

Paygrade	Task Type	Task Statements
E5	CORE	Adjust weapons launch equipment
E6	CORE	Coordinate submarine-launched countermeasure systems maintenance
E6	CORE	Coordinate weapons launch equipment maintenance
E5	CORE	Inspect submarine-launched countermeasure systems (e.g., panels, racks, wires, etc.)
E4	CORE	Inspect weapons launch equipment
E4	CORE	Install submarine-launched countermeasure systems (e.g., panels, racks, wires, etc.)
E7	CORE	Manage maintenance of weapons launch equipment
E4	CORE	Remove submarine-launched countermeasure systems components (e.g., panels, racks, wires, etc.)
E4	CORE	Remove weapons launch equipment components

WEAPONS LAUNCH EQUIPMENT MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair submarine-launched countermeasure systems (e.g., panels, racks, wires, etc.)
E5	CORE	Repair weapons launch equipment
E5	CORE	Replace electromechanical (synchro/servo) systems
E4	CORE	Replace submarine-launched countermeasure systems components (e.g., panels, racks, wires, etc.)
E4	CORE	Replace weapons launch equipment components
E7	CORE	Supervise submarine-launched countermeasure systems maintenance
E5	CORE	Test electromechanical (synchro/servo) systems
E4	CORE	Test submarine-launched countermeasure systems (e.g., panels, racks, wires, etc.)
E4	CORE	Test weapons launch equipment
E5	CORE	Troubleshoot electromechanical (synchro/servo) systems
E5	CORE	Troubleshoot submarine-launched countermeasure systems (e.g., panels, racks, wires, etc.)
E5	CORE	Troubleshoot weapons launch equipment

Job Title **Job Code**

Combat Control Systems Manager 001242

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	COMBAT CONTROL SYSTEMS MGR	CMBT CTRL MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	FT	NEC TXXX series and other NECs as assigned

Job Description

Combat Control Systems (CCS) Managers supervise CCS division and department-level operations, maintenance, and training; manage Submarine Warfare Federated Tactical System (SWFTS) and peripherals; manage Imaging and Over-the-Horizon (OTH) systems; and supervise weapons handling and employment functions.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Missile Guidance and Control	112100	First-Line Supervisors of All Other Tactical Operations Specialists	55-2013.00	Military Specific

Skills	Abilities
Management of Personnel Resources	*Problem Sensitivity*
Operation and Control	*Written Comprehension*
Reading Comprehension	*Speed of Closure*
Coordination	*Deductive Reasoning*
Management of Material Resources	*Oral Expression*
Monitoring	*Category Flexibility*
Writing	*Information Ordering*
Complex Problem Solving	*Perceptual Speed*
Judgment and Decision Making	*Written Expression*
Speaking	*Inductive Reasoning*

COMBAT CONTROL SYSTEM MAINTENANCE

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate Combat Control System (CCS) equipment modifications (e.g. tempalts, carry-on equipment, etc.)
E5	CORE	Coordinate Combat Control System (CCS) maintenance
E6	CORE	Manage Combat Control System (CCS) data collection systems
E6	CORE	Supervise Combat Control System (CCS) corrective maintenance

COMBAT CONTROL SYSTEM OPERATIONS AND EMPLOYMENT

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate Combat Control System (CCS) training and testing evolutions
E4	CORE	Employ Combat Control System (CCS) (i.e., contact management/weapons employment)
E7	CORE	Supervise Combat Control System (CCS) training and testing evolutions

CONTACT MANAGEMENT

Paygrade	Task Type	Task Statements
E7	CORE	Manage contact management teams

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Implement technical briefs, notices, and bulletins
E7	CORE	Manage Combat Control System (CCS) operational logs
E7	CORE	Manage submarine-launched countermeasure operational logs
E7	CORE	Review messages for accuracy
E7	CORE	Review procedural documents for abnormal conditions (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E7	CORE	Review torpedo and missile record books
E6	CORE	Verify equipment installation, testing, and alterations

INFORMATION ASSURANCE (IA) SYSTEMS

Paygrade	Task Type	Task Statements
E7	CORE	Audit Information Assurance (IA) program (i.e., Cyber Security Workforce (CSWF) Program)
E7	CORE	Coordinate Information Assurance (IA) system posture transitions
E7	CORE	Coordinate Information Assurance (IA) systems maintenance
E6	CORE	Draft Information Assurance (IA) Incident Response Plan (IRP)
E7	CORE	Implement Information Assurance (IA) policies
E7	CORE	Implement security requirements for Combat Control System (CCS) and spaces
E7	CORE	Manage Information Assurance (IA) records
E7	CORE	Manage Information Assurance (IA) systems
E7	CORE	Manage Information Assurance (IA) systems logs
E4	CORE	Report Information Assurance (IA) incidents
E6	CORE	Supervise Information Assurance (IA) incident responses

SUBMARINE-LAUNCHED WEAPONS EMPLOYMENT

Paygrade	Task Type	Task Statements
E4	CORE	Conduct submarine-launched mine operations
E4	CORE	Conduct submarine-launched missile operations
E4	CORE	Conduct submarine-launched torpedo operations
E4	CORE	Conduct weapon software updates
E6	CORE	Draft erratic weapon reports
E7	CORE	Manage weapons emergency procedures
E4	CORE	Perform submarine-launched countermeasure operations
E4	CORE	Perform weapons emergency procedures
E6	CORE	Review submarine-launched torpedo presets
E7	CORE	Supervise submarine-launched mine operations
E7	CORE	Supervise submarine-launched missile operations
E7	CORE	Supervise submarine-launched torpedo operations

SUBMARINE-LAUNCHED WEAPONS HANDLING

Paygrade	Task Type	Task Statements
E5	CORE	Direct weapons handling operations
E7	CORE	Manage maintenance of weapons handling systems
E4	CORE	Perform weapons handling operations
E7	NON-CORE	Supervise ammunition and countermeasure transfers
E7	CORE	Supervise weapons handling operations

WEAPONS LAUNCH EQUIPMENT MAINTENANCE

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate weapons launch equipment maintenance
E7	CORE	Manage maintenance of weapons launch equipment
E7	CORE	Supervise submarine-launched countermeasure systems maintenance

CHAPTER 38

GUNNER'S MATE
(GM)

NAVPERS 18068F-38I
Change 107

Updated: July 2026

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

GUNNER'S MATE (GM)

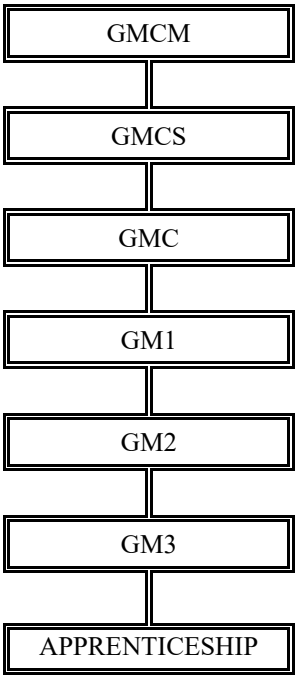
SCOPE OF RATING

Gunner's Mates (GM) operate, perform, and coordinate organizational and intermediate maintenance on guided missile launching systems, gun weapons systems, gun mounts, small arms, torpedoes, and associated handling equipment; make detailed electrical, electronic, hydraulic, and mechanical casualty analyses; inspect, test, analyze, and direct repair of electric, electronic, hydraulic, mechanical, and servo systems; test and inspect ammunition, missiles, and their components; prepare torpedoes and torpedo launching equipment for storage, issue, and firing; prepare missiles and launching equipment for storage, issue, and firing; prepare gun weapons systems for firing; test, inspect, and repair magazine sprinkler and fire suppression systems; supervise personnel in handling and stowing of ammunition, missiles, and their components; inspect and direct repair of magazines and ammunition stowage spaces; inspect and repair ordnance and weapons handling equipment; supervise crews assigned to ordnance equipment; lead the command explosive safety programs; prepare global end-to-end management, storage, transport, and distribution of Arms Ammunition and Explosives (AA&E); and train and supervise personnel in small arms qualifications and Anti-Terrorism Force Protection (ATFP).

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 38.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Weapons Administrator

Job Code

003730

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	WEAPONS ADMINISTRATOR	WEAPONS ADMN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	GM	NEC VXXX series and other NECs as assigned

Job Description

Weapons Administrators maintain programs that report the utilization and expenditures of explosives and the ordering of ammunition and weapons; manage Anti-Terrorism (AT) training teams; track personnel qualifications and certifications; coordinate ammunition on-load and off-load plans; receive, inspect, sentence, segregate, and issue ordnance; inspect ordnance stowage spaces; and test and maintain fire suppression systems.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Artillery and Gunnery	104100	First-Line Supervisors of Mechanics, Installers, and Repairers	49-1011.00	Installation, Maintenance, and Repair

Skills	Abilities
Quality Control Analysis	*Written Comprehension*
Coordination	*Oral Expression*
Management of Personnel Resources	*Category Flexibility*
Management of Material Resources	*Problem Sensitivity*
Operation and Control	*Deductive Reasoning*
Judgment and Decision Making	*Written Expression*
Monitoring	*Inductive Reasoning*
Systems Evaluation	*Control Precision*
Systems Analysis	*Information Ordering*
Writing	*Oral Comprehension*

CREW SERVED WEAPONS AND SMALL ARMS

Paygrade	Task Type	Task Statements
E4	CORE	Inventory small arms
E5	CORE	Manage small arms and crew-served weapons inventory programs (e.g., schedule, validate, etc.)

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Approve equipment installations, testing, and alterations
E4	CORE	Collect equipment and system status data
E4	CORE	Conduct equipment validations
E5	CORE	Conduct Quality Assurance (QA) inspections on Arms, Ammunition, and Explosives (AA&E) assets
E7	CORE	Coordinate equipment certifications and recertifications
E4	CORE	Document equipment statuses
E7	CORE	Draft Casualty Reports (CASREP)
E5	CORE	Draft deficiency reports (e.g., maintenance, equipment, ordnance, etc.)
E6	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E4	CORE	Inventory controlled equipment
E4	CORE	Issue Arms, Ammunition, and Explosives (AA&E) assets
E5	CORE	Maintain Arms, Ammunition, and Explosives (AA&E) programs
E5	CORE	Manage Arms, Ammunition, and Explosives (AA&E) assets
E7	CORE	Manage Arms, Ammunition, and Explosives (AA&E) programs

EQUIPMENT ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage controlled equipment
E7	CORE	Manage equipment Casualty Reporting (CASREP) process
E6	CORE	Manage safety programs and instructions (e.g., ammunition accountability, Explosive Safety Inspection (ESI), etc.)
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E4	CORE	Sentence Arms, Ammunition, and Explosives (AA&E) assets
E4	CORE	Supervise equipment installations, testing, and alterations
E5	CORE	Transfer custody of Arms, Ammunition, and Explosives (AA&E) and associated equipment externally
E7	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E6	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)
E7	CORE	Validate deficiency reports (e.g., maintenance, equipment, ordnance, etc.)
E6	CORE	Verify equipment installations, testing, and alterations

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Coordinate crane evolutions
E6	CORE	Coordinate Material Handling Equipment (MHE) operations
E7	CORE	Coordinate ordnance handling evolutions
E7	CORE	Coordinate ordnance stowage
E6	CORE	Coordinate weapon deliveries and ordnance transportation
E6	CORE	Manage ordnance handling evolutions
E6	CORE	Manage ordnance inspections
E6	CORE	Manage ordnance magazine and locker inspections
E6	CORE	Manage ordnance stowage
E6	CORE	Monitor ordnance handling evolutions (i.e., Safety Observer)
E4	CORE	Prepare weapons and ordnance for transportation
E7	CORE	Supervise magazine sprinkler systems testing
E5	CORE	Supervise Weight Handling Equipment (WHE) operations
E4	CORE	Test magazine sprinkler systems

SECURITY OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Conduct Anti-Terrorism (AT) assessments
E4	CORE	Conduct guard mounts
E4	NON-CORE	Conduct landing force issue (e.g., weapons, gear, etc.)
E7	CORE	Conduct personnel screenings (e.g., Arms Ammunition and Explosives (AA&E), master qualification list, etc.)
E7	CORE	Coordinate Anti-Terrorism (AT) assessments
E7	CORE	Coordinate Anti-Terrorism Force Protection (ATFP) exercises and certification operations
E6	CORE	Draft Anti-Terrorism (AT) plans
E5	CORE	Supervise guard mounts

SECURITY OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Supervise landing force issue (e.g., weapons, gear, etc.)
E6	CORE	Transfer custody of security gear and equipment (e.g., Ship's Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E4	CORE	Validate personnel screenings (e.g., Arms Ammunition and Explosives (AA&E), master qualification list, etc.)

TECHNICAL CORE FUNDAMENTALS

Paygrade	Task Type	Task Statements
E4	CORE	Calibrate gauges (e.g., temperature, pressure, etc.)
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E5	CORE	Coordinate configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO) and Hazards of Electromagnetic Radiation to Personnel (HERP)
E6	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E7	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E7	CORE	Manage divisional equipment and system configurations
E7	CORE	Manage divisional maintenance operations
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform external communications
E4	CORE	Perform pre on-load/off-load procedures
E6	CORE	Supervise divisional equipment and system configurations
E6	CORE	Supervise divisional maintenance operations
E5	CORE	Supervise work center maintenance operations
E7	CORE	Validate Arms, Ammunition, and Explosives (AA&E) Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), and equipment Departure From Specifications (DFS)
E7	CORE	Validate pre on-load/off-load checklists
E6	CORE	Verify Hazards of Electromagnetic Radiation to Ordnance (HERO) and Hazards of Electromagnetic Radiation to Personnel (HERP) conditions

WEAPONS SYSTEMS

Paygrade	Task Type	Task Statements
E7	CORE	Analyze gun weapon systems data
E7	CORE	Analyze missile delivery systems data
E7	CORE	Analyze torpedo delivery systems data
E4	CORE	Configure computer and peripheral systems
E7	CORE	Coordinate gun weapon systems operations
E7	CORE	Coordinate gun weapon systems uploading and downloading

WEAPONS SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate missile delivery systems on-loading and off-loading
E7	CORE	Coordinate recovery of Recoverable Exercise Torpedoes (REXTORP)/Exercise Torpedoes (EXTORP)
E7	CORE	Coordinate torpedo delivery systems uploading and downloading
E7	CORE	Coordinate torpedo launch operations
E7	CORE	Coordinate weapon system exercises and certification operations
E5	CORE	Inspect installation of torpedo flight accessories
E6	CORE	Manage gun weapon systems operations
E6	CORE	Manage gun weapon systems uploading and downloading
E6	CORE	Manage missile delivery systems on-loading and off-loading
E6	CORE	Manage recovery of Recoverable Exercise Torpedoes (REXTORP)/Exercise Torpedoes (EXTORP)
E6	CORE	Manage torpedo delivery systems downloads
E6	CORE	Manage torpedo delivery systems uploads
E7	CORE	Monitor weapons casualty evolutions
E4	CORE	Repair computer and peripheral systems
E5	CORE	Report combat systems equipment status
E5	CORE	Supervise installation of torpedo flight accessories
E5	NON-CORE	Supervise missile delivery systems on-loading and off-loading
E5	CORE	Supervise recovery of Recoverable Exercise Torpedoes (REXTORP)/Exercise Torpedoes (EXTORP)
E5	CORE	Supervise torpedo delivery systems downloads
E5	CORE	Supervise torpedo delivery systems uploads
E4	CORE	Test computer and peripheral systems
E4	CORE	Troubleshoot computer and peripheral systems
E6	CORE	Verify installation of torpedo flight accessories

Job Title **Job Code**

Weapons Delivery System Technician 003731

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Architecture and Engineering	TBD	WEAPONS DELIVERY SYSTEM TEC	WEPS DSYS TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	GM	NEC VXXX series and other NECs as assigned

Job Description

Weapons Delivery System Technicians are responsible for operation, maintenance, and repair of weapons systems, which include Vertical Launching Systems (VLS), major/minor caliber gun weapons systems, and Surface Vessel Torpedo Tubes (SVTT); conduct mechanical, electrical, and electronic casualty analyses using technical publications, electronic/hydraulic schematics, circuit diagrams, and blueprints; repair, maintain, test, and calibrate ordnance equipment; service and repair hydraulic and pneumatic systems; and maintain and repair magazine sprinkler, fire suppression, and deluge systems.

DoD Relationship

Group Title	*DoD Code*
Artillery and Gunnery	104100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Mechanical Engineering Technologists and Technicians	17-3027.00	Architecture and Engineering

Skills	Abilities
Quality Control Analysis	*Written Comprehension*
Coordination	*Deductive Reasoning*
Equipment Selection	*Oral Expression*
Operation and Control	*Category Flexibility*
Systems Evaluation	*Fluency of Ideas*
Complex Problem Solving	*Problem Sensitivity*
Reading Comprehension	*Information Ordering*
Operations Analysis	*Spatial Orientation*
Equipment Maintenance	*Manual Dexterity*
Troubleshooting	*Oral Comprehension*

AUXILIARY EQUIPMENT AND SUPPORT SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Configure auxiliary air and cooling water systems
E4	CORE	Configure Visual Augmentation Systems (VAS)
E4	CORE	Perform preventive maintenance on auxiliary air and cooling water systems
E4	CORE	Perform preventive maintenance on valves
E4	CORE	Repair auxiliary air and cooling water systems
E4	CORE	Replace Visual Augmentation Systems (VAS)
E4	CORE	Test auxiliary air and cooling water systems
E4	CORE	Test Visual Augmentation Systems (VAS)
E4	CORE	Troubleshoot auxiliary air and cooling water systems
E4	CORE	Troubleshoot Visual Augmentation Systems (VAS)

CREW SERVED WEAPONS AND SMALL ARMS

Paygrade	Task Type	Task Statements
E4	CORE	Coach personnel in the use of crew-served weapons
E4	CORE	Coach personnel in the use of pyrotechnics
E4	CORE	Coach personnel in the use of small arms
E4	CORE	Configure crew-served weapon mounts and stands
E4	CORE	Configure crew-served weapons
E4	CORE	Configure small arms
E7	CORE	Coordinate crew-served weapons evolutions

CREW SERVED WEAPONS AND SMALL ARMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Deploy grenades
E4	CORE	Deploy pyrotechnics
E4	CORE	Engage contacts with crew-served weapons
E4	CORE	Engage contacts with small arms
E4	CORE	Inventory small arms
E6	CORE	Manage crew-served weapons evolutions
E5	CORE	Manage small arms and crew-served weapons inventory programs (e.g., schedule, validate, etc.)
E4	CORE	Repair crew-served weapon mounts and stands
E5	CORE	Repair crew-served weapons
E4	CORE	Repair small arms
E5	CORE	Supervise crew-served weapons evolutions
E4	CORE	Test crew-served weapon mounts and stands
E4	CORE	Test crew-served weapons
E4	CORE	Test small arms
E5	CORE	Train personnel in crew-served weapons
E5	CORE	Train personnel in pyrotechnics
E5	CORE	Train personnel in small arms
E5	CORE	Train personnel in the use of grenades
E4	CORE	Troubleshoot crew-served weapon mounts and stands
E4	CORE	Troubleshoot crew-served weapons
E4	CORE	Troubleshoot small arms

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Approve equipment installations, testing, and alterations
E4	CORE	Collect equipment and system status data
E4	CORE	Conduct equipment validations
E5	CORE	Conduct Quality Assurance (QA) inspections on Arms, Ammunition, and Explosives (AA&E) assets
E7	CORE	Coordinate equipment certifications and recertifications
E4	CORE	Document equipment statuses
E7	CORE	Draft Casualty Reports (CASREP)
E5	CORE	Draft deficiency reports (e.g., maintenance, equipment, ordnance, etc.)
E6	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E4	CORE	Inventory controlled equipment
E4	CORE	Issue Arms, Ammunition, and Explosives (AA&E) assets
E5	CORE	Maintain Arms, Ammunition, and Explosives (AA&E) programs
E5	CORE	Manage Arms, Ammunition, and Explosives (AA&E) assets
E7	CORE	Manage Arms, Ammunition, and Explosives (AA&E) programs
E6	CORE	Manage controlled equipment

EQUIPMENT ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage equipment Casualty Reporting (CASREP) process
E6	CORE	Manage safety programs and instructions (e.g., ammunition accountability, Explosive Safety Inspection (ESI), etc.)
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E4	CORE	Receive custody of Arms, Ammunition, and Explosives (AA&E) assets
E4	CORE	Sentence Arms, Ammunition, and Explosives (AA&E) assets
E5	CORE	Supervise controlled equipment inventories
E4	CORE	Supervise equipment installations, testing, and alterations
E5	CORE	Transfer custody of Arms, Ammunition, and Explosives (AA&E) and associated equipment externally
E4	CORE	Transfer custody of Visual Augmentation Systems (VAS)
E7	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E6	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)
E7	CORE	Validate deficiency reports (e.g., maintenance, equipment, ordnance, etc.)
E6	CORE	Verify equipment installations, testing, and alterations

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Activate magazine sprinkler systems
E4	CORE	Conduct ordnance handling evolutions
E4	CORE	Conduct weapons elevator and hoist operations
E4	CORE	Conduct Weight Handling Equipment (WHE) operations
E4	CORE	Configure alarm, safety, and warning systems
E4	CORE	Configure magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	NON-CORE	Configure Material Handling Equipment (MHE)
E4	CORE	Configure Ordnance Handling Equipment (OHE)
E4	CORE	Configure ordnance magazines and lockers
E4	CORE	Configure weapons elevators and hoists
E4	CORE	Configure Weight Handling Equipment (WHE)
E5	NON-CORE	Coordinate crane evolutions
E6	CORE	Coordinate Material Handling Equipment (MHE) operations
E7	CORE	Coordinate ordnance handling evolutions
E7	CORE	Coordinate ordnance stowage
E6	CORE	Coordinate weapon deliveries and ordnance transportation
E4	CORE	Deactivate magazine sprinkler systems
E4	CORE	Inspect ordnance containers (e.g., torpedo containers, missile canisters, adapters, etc.)
E4	CORE	Inspect ordnance magazines and lockers
E6	CORE	Manage ordnance handling evolutions
E6	CORE	Manage ordnance inspections
E6	CORE	Manage ordnance magazine and locker inspections
E6	CORE	Manage ordnance stowage

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Monitor ordnance handling evolutions (i.e., Safety Observer)
E4	CORE	Pack ordnance
E5	NON-CORE	Perform crane evolutions
E4	NON-CORE	Perform Material Handling Equipment (MHE) operations
E4	CORE	Perform ordnance spill (e.g., Otto Fuel II) containment and decontamination procedures
E4	CORE	Perform preventive maintenance on alarm, safety, and warning systems
E4	CORE	Perform preventive maintenance on magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	CORE	Perform preventive maintenance on magazine sprinkler systems
E4	NON-CORE	Perform preventive maintenance on Material Handling Equipment (MHE)
E4	CORE	Perform preventive maintenance on Ordnance Handling Equipment (OHE)
E4	CORE	Perform preventive maintenance on ordnance magazines and lockers
E4	CORE	Perform preventive maintenance on weapons elevators and hoists
E4	CORE	Perform preventive maintenance on Weight Handling Equipment (WHE)
E4	CORE	Prepare ordnance for operational use
E4	CORE	Prepare weapons and ordnance for transportation
E4	CORE	Repair alarm, safety, and warning systems
E5	CORE	Repair magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	CORE	Repair magazine sprinkler systems
E4	NON-CORE	Repair Material Handling Equipment (MHE)
E4	NON-CORE	Repair ordnance containers (e.g., torpedo containers, missile canisters, adapters, etc.)
E5	CORE	Repair Ordnance Handling Equipment (OHE)
E4	CORE	Repair ordnance magazines and lockers
E4	CORE	Repair weapons elevators and hoists
E4	CORE	Repair Weight Handling Equipment (WHE)
E5	CORE	Replace Ordnance Handling Equipment (OHE)
E4	CORE	Stow ordnance
E7	CORE	Supervise magazine sprinkler systems testing
E5	CORE	Supervise Material Handling Equipment (MHE) operations
E5	CORE	Supervise ordnance handling evolutions (i.e., Team Lead)
E5	CORE	Supervise ordnance inspections
E5	CORE	Supervise ordnance magazine and locker inspections
E5	CORE	Supervise ordnance spill (e.g., Otto Fuel II) containment and decontamination procedures
E5	CORE	Supervise ordnance stowage
E5	CORE	Supervise weapons elevator and hoist operations
E5	CORE	Supervise Weight Handling Equipment (WHE) operations
E4	CORE	Test alarm, safety, and warning systems
E4	CORE	Test magazine equipment (e.g., battens, stanchions, alarms, etc.)

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test magazine sprinkler systems
E4	NON-CORE	Test Material Handling Equipment (MHE)
E4	CORE	Test weapons elevators and hoists
E4	CORE	Test Weight Handling Equipment (WHE)
E4	CORE	Transport weapons and ordnance
E4	CORE	Troubleshoot alarm, safety, and warning systems
E4	CORE	Troubleshoot magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	CORE	Troubleshoot magazine sprinkler systems
E4	NON-CORE	Troubleshoot Material Handling Equipment (MHE)
E4	CORE	Troubleshoot Ordnance Handling Equipment (OHE)
E4	CORE	Troubleshoot weapons elevators and hoists
E4	CORE	Troubleshoot Weight Handling Equipment (WHE)
E4	CORE	Unpack ordnance

SECURITY OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Apply restraint devices (e.g., flexicuffs, handcuffs, bindings, etc.)
E6	CORE	Conduct Anti-Terrorism (AT) assessments
E4	CORE	Conduct guard mounts
E4	NON-CORE	Conduct landing force issue (e.g., weapons, gear, etc.)
E7	CORE	Conduct personnel screenings (e.g., Arms Ammunition and Explosives (AA&E), master qualification list, etc.)
E4	CORE	Configure less-than-lethal weapons (e.g., acoustic devices, lasers, expandable batons, etc.)
E4	CORE	Configure security gear and equipment (e.g., Ship's Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E4	NON-CORE	Configure Visit Board Search and Seizure (VBSS) equipment
E7	CORE	Coordinate Anti-Terrorism (AT) assessments
E7	CORE	Coordinate Anti-Terrorism Force Protection (ATFP) exercises and certification operations
E6	CORE	Coordinate training of personnel in inspections and searches (e.g., vehicles, personnel, etc.)
E6	CORE	Coordinate training of personnel in tactical entries and movements
E6	CORE	Draft Anti-Terrorism (AT) plans
E4	CORE	Engage contacts with less-than-lethal weapons (e.g., acoustic devices, lasers, expandable batons, etc.)
E4	CORE	Inventory security gear and equipment (e.g., Ship's Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E4	CORE	Inventory Visit Board Search and Seizure (VBSS) equipment
E4	CORE	Repair Visit Board Search and Seizure (VBSS) equipment
E4	CORE	Replace less-than-lethal weapons (e.g., acoustic devices, lasers, expandable batons, etc.)
E4	CORE	Replace security gear and equipment (e.g., Ship's Reaction Force (SRF) equipment, screening and detection equipment, etc.)

SECURITY OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise guard mounts
E5	NON-CORE	Supervise landing force issue (e.g., weapons, gear, etc.)
E5	CORE	Supervise training of personnel in inspections and searches (e.g., vehicles, personnel, etc.)
E4	CORE	Test less-than-lethal weapons (e.g., acoustic devices, lasers, expandable batons, etc.)
E4	CORE	Test security gear and equipment (e.g., Ship's Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E4	CORE	Test Visit Board Search and Seizure (VBSS) equipment
E5	CORE	Train personnel in Anti-Terrorism Force Protection (ATFP)
E4	CORE	Train personnel in inspections and searches (e.g., vehicles, personnel, etc.)
E5	CORE	Train personnel in tactical entries and movements
E6	CORE	Transfer custody of security gear and equipment (e.g., Ship's Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E4	CORE	Troubleshoot less-than-lethal weapons (e.g., acoustic devices, lasers, expandable batons, etc.)
E4	CORE	Troubleshoot security gear and equipment (e.g., Ship's Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E4	CORE	Troubleshoot Visit Board Search and Seizure (VBSS) equipment
E4	CORE	Validate personnel screenings (e.g., Arms Ammunition and Explosives (AA&E), master qualification list, etc.)

TECHNICAL CORE FUNDAMENTALS

Paygrade	Task Type	Task Statements
E4	CORE	Align valves
E4	CORE	Analyze blueprints and ship's drawings
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E4	CORE	Analyze technical manuals
E4	CORE	Calibrate gauges (e.g., temperature, pressure, etc.)
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E4	CORE	Configure Alternating Current (AC) circuits
E4	NON-CORE	Configure fiber optic cables and connectors
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Configure hydraulic and pneumatic systems
E4	CORE	Configure interconnecting cables and connectors
E4	CORE	Configure power supplies
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Configure weapons and combat systems equipment
E5	CORE	Coordinate configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO) and Hazards of Electromagnetic Radiation to Personnel (HERP)
E6	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E4	CORE	Inspect ordnance
E4	CORE	Inspect work areas, tools, and equipment
E7	CORE	Manage divisional equipment and system configurations
E7	CORE	Manage divisional maintenance operations
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform corrosion prevention and control procedures
E4	CORE	Perform external communications
E4	CORE	Perform pre on-load/off-load procedures
E4	CORE	Perform preventive maintenance on Alternating Current (AC) circuits
E4	CORE	Perform preventive maintenance on Alternating Current and Direct Current (AC/DC) motors
E4	CORE	Perform preventive maintenance on digital circuits
E4	CORE	Perform preventive maintenance on Direct Current (DC) circuits
E4	CORE	Perform preventive maintenance on electromechanical (synchro/servo) systems
E4	NON-CORE	Perform preventive maintenance on fiber optic cables and connectors
E4	CORE	Perform preventive maintenance on hydraulic and pneumatic systems
E4	CORE	Perform preventive maintenance on interconnecting cables and connectors
E4	CORE	Perform preventive maintenance on power supplies
E4	CORE	Provide equipment installation and alteration assistance
E4	CORE	Repair Alternating Current (AC) circuits
E4	CORE	Repair hydraulic and pneumatic systems
E4	CORE	Repair interconnecting cables and connectors
E4	CORE	Repair valves
E4	CORE	Replace digital circuits
E4	NON-CORE	Replace fiber optic cables and connectors
E4	CORE	Replace power supplies
E4	CORE	Report Battle Damage Assessments (BDA)
E6	CORE	Supervise divisional equipment and system configurations
E6	CORE	Supervise divisional maintenance operations
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center maintenance operations
E4	CORE	Test Alternating Current (AC) circuits
E4	CORE	Test Alternating Current and Direct Current (AC/DC) motors
E4	CORE	Test digital circuits
E4	CORE	Test Direct Current (DC) circuits
E4	CORE	Test electromechanical (synchro/servo) systems

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Test fiber optic cables and connectors
E4	CORE	Test hydraulic and pneumatic systems
E4	CORE	Test interconnecting cables and connectors
E4	CORE	Test power supplies
E4	CORE	Test valves
E5	CORE	Train technicians in casualty control procedures
E4	CORE	Troubleshoot Alternating Current (AC) circuits
E4	CORE	Troubleshoot Alternating Current and Direct Current (AC/DC) motors
E4	CORE	Troubleshoot digital circuits
E4	CORE	Troubleshoot Direct Current (DC) circuits
E4	NON-CORE	Troubleshoot electromechanical (synchro/servo) systems
E5	NON-CORE	Troubleshoot fiber optic cables and connectors
E4	CORE	Troubleshoot hydraulic and pneumatic systems
E4	CORE	Troubleshoot interconnecting cables and connectors
E4	CORE	Troubleshoot power supplies
E4	CORE	Troubleshoot valves
E7	CORE	Validate Arms, Ammunition, and Explosives (AA&E) Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), and equipment Departure From Specifications (DFS)
E7	CORE	Validate pre on-load/off-load checklists
E6	CORE	Verify Hazards of Electromagnetic Radiation to Ordnance (HERO) and Hazards of Electromagnetic Radiation to Personnel (HERP) conditions

WEAPONS SYSTEMS

Paygrade	Task Type	Task Statements
E7	CORE	Analyze gun weapon systems data
E7	CORE	Analyze missile delivery systems data
E7	CORE	Analyze torpedo delivery systems data
E4	CORE	Conduct Combat Systems Alignments (CSA)
E4	CORE	Configure computer and peripheral systems
E4	CORE	Configure gun weapon systems
E4	NON-CORE	Configure missile delivery systems
E4	CORE	Configure Recoverable Exercise Torpedoes (REXTORP)/Exercise Torpedoes (EXTORP)
E4	CORE	Configure torpedo containers
E4	CORE	Configure torpedo delivery systems
E4	CORE	Configure torpedoes
E4	CORE	Configure weapons casualty equipment
E7	CORE	Coordinate gun weapon systems operations
E7	CORE	Coordinate gun weapon systems uploading and downloading
E7	CORE	Coordinate missile delivery systems on-loading and off-loading
E7	CORE	Coordinate recovery of Recoverable Exercise Torpedoes (REXTORP)/Exercise Torpedoes (EXTORP)

WEAPONS SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate torpedo delivery systems uploading and downloading
E7	CORE	Coordinate torpedo launch operations
E7	CORE	Coordinate weapon system exercises and certification operations
E4	CORE	Download gun weapon systems
E4	CORE	Download torpedo delivery systems
E4	CORE	Engage contacts with gun weapon systems
E5	CORE	Inspect installation of torpedo flight accessories
E4	CORE	Install torpedo flight accessories
E4	CORE	Inventory Maintenance Assistance Modules (MAM)
E4	CORE	Inventory weapons casualty equipment
E4	CORE	Launch torpedoes
E6	CORE	Manage gun weapon systems operations
E6	CORE	Manage gun weapon systems uploading and downloading
E6	CORE	Manage installation of torpedo flight accessories
E6	CORE	Manage missile delivery systems on-loading and off-loading
E6	CORE	Manage recovery of Recoverable Exercise Torpedoes (REXTORP)/Exercise Torpedoes (EXTORP)
E6	CORE	Manage torpedo delivery systems downloads
E6	CORE	Manage torpedo delivery systems uploads
E7	CORE	Manage weapons and combat systems equipment alignments
E7	CORE	Monitor weapons casualty evolutions
E4	CORE	Off-load missiles
E4	CORE	On-load missiles
E4	CORE	Perform preventive maintenance on gun weapon systems
E4	NON-CORE	Perform preventive maintenance on missile delivery systems
E4	CORE	Perform preventive maintenance on torpedo delivery systems
E4	CORE	Perform preventive maintenance on torpedoes
E4	CORE	Perform preventive maintenance on weapons casualty equipment
E4	CORE	Perform torpedo pre-fire tests
E4	CORE	Perform weapons casualty procedures
E4	CORE	Recover Recoverable Exercise Torpedoes (REXTORP)/Exercise Torpedoes (EXTORP)
E4	CORE	Repair computer and peripheral systems
E4	CORE	Repair gun weapon systems
E4	NON-CORE	Repair missile delivery systems
E4	CORE	Repair torpedo delivery systems
E4	CORE	Repair weapons casualty equipment
E5	CORE	Report combat systems equipment status
E5	CORE	Supervise gun weapon systems operations
E5	CORE	Supervise gun weapon systems uploading and downloading
E5	CORE	Supervise installation of torpedo flight accessories

WEAPONS SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Supervise missile delivery systems on-loading and off-loading
E5	CORE	Supervise recovery of Recoverable Exercise Torpedoes (REXTORP)/Exercise Torpedoes (EXTORP)
E5	CORE	Supervise torpedo delivery systems downloads
E5	CORE	Supervise torpedo delivery systems uploads
E5	CORE	Supervise weapons casualty evolutions
E4	CORE	Test computer and peripheral systems
E4	CORE	Test gun weapon systems
E4	NON-CORE	Test missile delivery systems
E4	CORE	Test torpedo delivery systems
E4	NON-CORE	Test torpedoes
E4	CORE	Test weapons casualty equipment
E4	CORE	Troubleshoot computer and peripheral systems
E4	CORE	Troubleshoot gun weapon systems
E4	NON-CORE	Troubleshoot missile delivery systems
E4	CORE	Troubleshoot torpedo delivery systems
E4	NON-CORE	Troubleshoot torpedoes
E4	CORE	Troubleshoot weapons casualty equipment
E4	CORE	Upload gun weapon systems
E4	CORE	Upload torpedo delivery systems
E6	CORE	Verify installation of torpedo flight accessories

Job Title

Small Arms Technician

Job Code

003732

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	SMALL ARMS TECHNICIAN	SMALL ARM TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	GM	NEC VXXX series and other NECs as assigned

Job Description

Small Arms Technicians are responsible for operation, maintenance and repair of small arms, crew-served weapons, and associated equipment; operate and maintain magazine flooding, fire suppression, and sprinkler systems; operate and maintain Visual Augmentation Systems (VAS); conduct mechanical, electrical, and electronic casualty analyses using technical publications, electronic/hydraulic schematics, circuit diagrams, and blueprints; train, qualify, and maintain Anti-terrorism Force Protection (ATFP) program requirements; and manage operations for the armory, ordnance, magazines, and lockers associated with these weapons.

DoD Relationship

Group Title	*DoD Code*
Artillery and Gunnery	104100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094.00	Installation, Maintenance, and Repair

Skills	Abilities
Coordination	*Written Comprehension*
Quality Control Analysis	*Deductive Reasoning*
Equipment Selection	*Oral Expression*
Operation and Control	*Category Flexibility*
Reading Comprehension	*Fluency of Ideas*
Systems Evaluation	*Problem Sensitivity*
Complex Problem Solving	*Information Ordering*
Equipment Maintenance	*Spatial Orientation*
Operations Analysis	*Manual Dexterity*
Troubleshooting	*Oral Comprehension*

AUXILIARY EQUIPMENT AND SUPPORT SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Configure auxiliary air and cooling water systems
E4	CORE	Configure Visual Augmentation Systems (VAS)
E4	CORE	Perform preventive maintenance on auxiliary air and cooling water systems
E4	CORE	Perform preventive maintenance on valves
E4	CORE	Perform preventive maintenance on Visual Augmentation Systems (VAS)
E4	CORE	Repair auxiliary air and cooling water systems
E4	CORE	Replace Visual Augmentation Systems (VAS)
E4	CORE	Test auxiliary air and cooling water systems
E4	CORE	Test Visual Augmentation Systems (VAS)
E4	CORE	Troubleshoot auxiliary air and cooling water systems
E4	CORE	Troubleshoot Visual Augmentation Systems (VAS)

CREW SERVED WEAPONS AND SMALL ARMS

Paygrade	Task Type	Task Statements
E4	CORE	Coach personnel in the use of crew-served weapons
E4	CORE	Coach personnel in the use of pyrotechnics
E4	CORE	Coach personnel in the use of small arms
E4	CORE	Configure crew-served weapon mounts and stands
E4	CORE	Configure crew-served weapons

CREW SERVED WEAPONS AND SMALL ARMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Configure small arms
E7	CORE	Coordinate crew-served weapons evolutions
E4	CORE	Deploy grenades
E4	CORE	Deploy pyrotechnics
E4	CORE	Engage contacts with crew-served weapons
E4	CORE	Engage contacts with small arms
E4	CORE	Inventory small arms
E6	CORE	Manage crew-served weapons evolutions
E5	CORE	Manage small arms and crew-served weapons inventory programs (e.g., schedule, validate, etc.)
E4	CORE	Perform preventive maintenance on crew-served weapon mounts and stands
E4	CORE	Perform preventive maintenance on crew-served weapons
E4	CORE	Perform preventive maintenance on small arms
E4	CORE	Repair crew-served weapon mounts and stands
E5	CORE	Repair crew-served weapons
E4	CORE	Repair small arms
E5	CORE	Supervise crew-served weapons evolutions
E4	CORE	Test crew-served weapon mounts and stands
E4	CORE	Test crew-served weapons
E4	CORE	Test small arms
E5	CORE	Train personnel in crew-served weapons
E5	CORE	Train personnel in pyrotechnics
E5	CORE	Train personnel in small arms
E5	CORE	Train personnel in the use of grenades
E4	CORE	Troubleshoot crew-served weapon mounts and stands
E4	CORE	Troubleshoot crew-served weapons
E4	CORE	Troubleshoot small arms

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Approve equipment installations, testing, and alterations
E4	CORE	Collect equipment and system status data
E4	CORE	Conduct equipment validations
E5	CORE	Conduct Quality Assurance (QA) inspections on Arms, Ammunition, and Explosives (AA&E) assets
E7	CORE	Coordinate equipment certifications and recertifications
E4	CORE	Document equipment statuses
E7	CORE	Draft Casualty Reports (CASREP)
E5	CORE	Draft deficiency reports (e.g., maintenance, equipment, ordnance, etc.)
E6	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E4	CORE	Inventory controlled equipment

EQUIPMENT ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Issue Arms, Ammunition, and Explosives (AA&E) assets
E5	CORE	Maintain Arms, Ammunition, and Explosives (AA&E) programs
E5	CORE	Manage Arms, Ammunition, and Explosives (AA&E) assets
E7	CORE	Manage Arms, Ammunition, and Explosives (AA&E) programs
E6	CORE	Manage controlled equipment
E7	CORE	Manage equipment Casualty Reporting (CASREP) process
E6	CORE	Manage safety programs and instructions (e.g., ammunition accountability, Explosive Safety Inspection (ESI), etc.)
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E4	CORE	Receive custody of Arms, Ammunition, and Explosives (AA&E) assets
E4	CORE	Sentence Arms, Ammunition, and Explosives (AA&E) assets
E5	CORE	Supervise controlled equipment inventories
E4	CORE	Supervise equipment installations, testing, and alterations
E5	CORE	Transfer custody of Arms, Ammunition, and Explosives (AA&E) and associated equipment externally
E4	CORE	Transfer custody of Visual Augmentation Systems (VAS)
E7	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E6	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)
E7	CORE	Validate deficiency reports (e.g., maintenance, equipment, ordnance, etc.)
E6	CORE	Verify equipment installations, testing, and alterations

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Activate magazine sprinkler systems
E4	CORE	Conduct ordnance handling evolutions
E4	CORE	Conduct weapons elevator and hoist operations
E4	CORE	Conduct Weight Handling Equipment (WHE) operations
E4	CORE	Configure alarm, safety, and warning systems
E4	CORE	Configure magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	NON-CORE	Configure Material Handling Equipment (MHE)
E4	CORE	Configure Ordnance Handling Equipment (OHE)
E4	CORE	Configure ordnance magazines and lockers
E4	CORE	Configure weapons elevators and hoists
E4	CORE	Configure Weight Handling Equipment (WHE)
E5	NON-CORE	Coordinate crane evolutions
E6	CORE	Coordinate Material Handling Equipment (MHE) operations
E7	CORE	Coordinate ordnance handling evolutions
E7	CORE	Coordinate ordnance stowage
E6	CORE	Coordinate weapon deliveries and ordnance transportation
E4	CORE	Deactivate magazine sprinkler systems
E4	CORE	Inspect ordnance containers (e.g., torpedo containers, missile canisters, adapters, etc.)

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Inspect ordnance magazines and lockers
E6	CORE	Manage ordnance handling evolutions
E6	CORE	Manage ordnance inspections
E6	CORE	Manage ordnance magazine and locker inspections
E6	CORE	Manage ordnance stowage
E6	CORE	Monitor ordnance handling evolutions (i.e., Safety Observer)
E4	CORE	Pack ordnance
E5	NON-CORE	Perform crane evolutions
E4	NON-CORE	Perform Material Handling Equipment (MHE) operations
E4	CORE	Perform ordnance spill (e.g., Otto Fuel II) containment and decontamination procedures
E4	CORE	Perform preventive maintenance on alarm, safety, and warning systems
E4	CORE	Perform preventive maintenance on magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	CORE	Perform preventive maintenance on magazine sprinkler systems
E4	NON-CORE	Perform preventive maintenance on Material Handling Equipment (MHE)
E4	CORE	Perform preventive maintenance on Ordnance Handling Equipment (OHE)
E4	CORE	Perform preventive maintenance on ordnance magazines and lockers
E4	CORE	Perform preventive maintenance on weapons elevators and hoists
E4	CORE	Perform preventive maintenance on Weight Handling Equipment (WHE)
E4	CORE	Prepare ordnance for operational use
E4	CORE	Prepare weapons and ordnance for transportation
E4	CORE	Repair alarm, safety, and warning systems
E5	CORE	Repair magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	CORE	Repair magazine sprinkler systems
E4	NON-CORE	Repair Material Handling Equipment (MHE)
E4	NON-CORE	Repair ordnance containers (e.g., torpedo containers, missile canisters, adapters, etc.)
E5	CORE	Repair Ordnance Handling Equipment (OHE)
E4	CORE	Repair ordnance magazines and lockers
E4	CORE	Repair weapons elevators and hoists
E4	CORE	Repair Weight Handling Equipment (WHE)
E5	CORE	Replace Ordnance Handling Equipment (OHE)
E4	CORE	Stow ordnance
E7	CORE	Supervise magazine sprinkler systems testing
E5	CORE	Supervise Material Handling Equipment (MHE) operations
E5	CORE	Supervise ordnance handling evolutions (i.e., Team Lead)
E5	CORE	Supervise ordnance inspections
E5	CORE	Supervise ordnance magazine and locker inspections
E5	CORE	Supervise ordnance spill (e.g., Otto Fuel II) containment and decontamination procedures

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise ordnance stowage
E5	CORE	Supervise weapons elevator and hoist operations
E5	CORE	Supervise Weight Handling Equipment (WHE) operations
E4	CORE	Test alarm, safety, and warning systems
E4	CORE	Test magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	CORE	Test magazine sprinkler systems
E4	NON-CORE	Test Material Handling Equipment (MHE)
E4	CORE	Test weapons elevators and hoists
E4	CORE	Test Weight Handling Equipment (WHE)
E4	CORE	Transport weapons and ordnance
E4	CORE	Troubleshoot alarm, safety, and warning systems
E4	CORE	Troubleshoot magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	CORE	Troubleshoot magazine sprinkler systems
E4	NON-CORE	Troubleshoot Material Handling Equipment (MHE)
E4	CORE	Troubleshoot Ordnance Handling Equipment (OHE)
E4	CORE	Troubleshoot weapons elevators and hoists
E4	CORE	Troubleshoot Weight Handling Equipment (WHE)
E4	CORE	Unpack ordnance

SECURITY OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Apply restraint devices (e.g., flexicuffs, handcuffs, bindings, etc.)
E6	CORE	Conduct Anti-Terrorism (AT) assessments
E4	CORE	Conduct guard mounts
E4	NON-CORE	Conduct landing force issue (e.g., weapons, gear, etc.)
E7	CORE	Conduct personnel screenings (e.g., Arms Ammunition and Explosives (AA&E), master qualification list, etc.)
E4	CORE	Configure less-than-lethal weapons (e.g., acoustic devices, lasers, expandable batons, etc.)
E4	CORE	Configure security gear and equipment (e.g., Ship's Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E4	NON-CORE	Configure Visit Board Search and Seizure (VBSS) equipment
E7	CORE	Coordinate Anti-Terrorism (AT) assessments
E7	CORE	Coordinate Anti-Terrorism Force Protection (ATFP) exercises and certification operations
E6	CORE	Coordinate training of personnel in inspections and searches (e.g., vehicles, personnel, etc.)
E6	CORE	Coordinate training of personnel in tactical entries and movements
E6	CORE	Draft Anti-Terrorism (AT) plans
E4	CORE	Engage contacts with less-than-lethal weapons (e.g., acoustic devices, lasers, expandable batons, etc.)
E4	CORE	Inventory security gear and equipment (e.g., Ship's Reaction Force (SRF) equipment, screening and detection equipment, etc.)

SECURITY OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Inventory Visit Board Search and Seizure (VBSS) equipment
E4	CORE	Issue gear (e.g., Anti-Terrorism Force Protection (ATFP), Visit Board Search and Seizure (VBSS), etc.)
E4	CORE	Perform preventive maintenance on security gear and equipment (e.g., Ship's Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E4	CORE	Perform preventive maintenance on Visit Board Search and Seizure (VBSS) equipment
E4	CORE	Repair Visit Board Search and Seizure (VBSS) equipment
E4	CORE	Replace less-than-lethal weapons (e.g., acoustic devices, lasers, expandable batons, etc.)
E4	CORE	Replace security gear and equipment (e.g., Ship's Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E5	CORE	Supervise guard mounts
E5	NON-CORE	Supervise landing force issue (e.g., weapons, gear, etc.)
E5	CORE	Supervise training of personnel in inspections and searches (e.g., vehicles, personnel, etc.)
E4	CORE	Test less-than-lethal weapons (e.g., acoustic devices, lasers, expandable batons, etc.)
E4	CORE	Test security gear and equipment (e.g., Ship's Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E4	CORE	Test Visit Board Search and Seizure (VBSS) equipment
E5	CORE	Train personnel in Anti-Terrorism Force Protection (ATFP)
E4	CORE	Train personnel in inspections and searches (e.g., vehicles, personnel, etc.)
E5	CORE	Train personnel in tactical entries and movements
E6	CORE	Transfer custody of security gear and equipment (e.g., Ship's Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E4	CORE	Troubleshoot less-than-lethal weapons (e.g., acoustic devices, lasers, expandable batons, etc.)
E4	CORE	Troubleshoot security gear and equipment (e.g., Ship's Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E4	CORE	Troubleshoot Visit Board Search and Seizure (VBSS) equipment
E4	CORE	Validate personnel screenings (e.g., Arms Ammunition and Explosives (AA&E), master qualification list, etc.)

TECHNICAL CORE FUNDAMENTALS

Paygrade	Task Type	Task Statements
E4	CORE	Align valves
E4	CORE	Analyze blueprints and ship's drawings
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E4	CORE	Analyze technical manuals
E4	CORE	Calibrate gauges (e.g., temperature, pressure, etc.)
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E4	CORE	Configure Alternating Current (AC) circuits
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Configure hydraulic and pneumatic systems
E4	CORE	Configure interconnecting cables and connectors
E4	CORE	Configure power supplies
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Configure weapons and combat systems equipment
E5	CORE	Coordinate configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO) and Hazards of Electromagnetic Radiation to Personnel (HERP)
E6	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E7	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E4	CORE	Inspect ordnance
E4	CORE	Inspect work areas, tools, and equipment
E7	CORE	Manage divisional equipment and system configurations
E7	CORE	Manage divisional maintenance operations
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform corrosion prevention and control procedures
E4	CORE	Perform external communications
E4	CORE	Perform pre on-load/off-load procedures
E4	CORE	Perform preventive maintenance on Alternating Current (AC) circuits
E4	CORE	Perform preventive maintenance on Alternating Current and Direct Current (AC/DC) motors
E4	CORE	Perform preventive maintenance on digital circuits
E4	CORE	Perform preventive maintenance on Direct Current (DC) circuits
E4	CORE	Perform preventive maintenance on electromechanical (synchro/servo) systems
E4	CORE	Perform preventive maintenance on hydraulic and pneumatic systems
E4	CORE	Perform preventive maintenance on interconnecting cables and connectors
E4	CORE	Perform preventive maintenance on power supplies
E4	CORE	Provide equipment installation and alteration assistance
E4	CORE	Repair Alternating Current (AC) circuits
E4	CORE	Repair hydraulic and pneumatic systems
E4	CORE	Repair interconnecting cables and connectors
E4	CORE	Repair valves
E4	CORE	Replace digital circuits
E4	CORE	Replace power supplies
E4	CORE	Report Battle Damage Assessments (BDA)
E6	CORE	Supervise divisional equipment and system configurations

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise divisional maintenance operations
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center maintenance operations
E4	CORE	Test Alternating Current (AC) circuits
E4	CORE	Test Alternating Current and Direct Current (AC/DC) motors
E4	CORE	Test digital circuits
E4	CORE	Test Direct Current (DC) circuits
E4	CORE	Test electromechanical (synchro/servo) systems
E4	CORE	Test hydraulic and pneumatic systems
E4	CORE	Test interconnecting cables and connectors
E4	CORE	Test power supplies
E4	CORE	Test valves
E5	CORE	Train technicians in casualty control procedures
E4	CORE	Troubleshoot Alternating Current (AC) circuits
E4	CORE	Troubleshoot Alternating Current and Direct Current (AC/DC) motors
E4	CORE	Troubleshoot digital circuits
E4	CORE	Troubleshoot Direct Current (DC) circuits
E4	NON-CORE	Troubleshoot electromechanical (synchro/servo) systems
E4	CORE	Troubleshoot hydraulic and pneumatic systems
E4	CORE	Troubleshoot interconnecting cables and connectors
E4	CORE	Troubleshoot power supplies
E4	CORE	Troubleshoot valves
E7	CORE	Validate Arms, Ammunition, and Explosives (AA&E) Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), and equipment Departure From Specifications (DFS)
E7	CORE	Validate pre on-load/off-load checklists
E6	CORE	Verify Hazards of Electromagnetic Radiation to Ordnance (HERO) and Hazards of Electromagnetic Radiation to Personnel (HERP) conditions

WEAPONS SYSTEMS

Paygrade	Task Type	Task Statements
E7	CORE	Analyze gun weapon systems data
E7	CORE	Analyze torpedo delivery systems data
E4	CORE	Configure computer and peripheral systems
E4	CORE	Configure gun weapon systems
E4	CORE	Configure Recoverable Exercise Torpedoes (REXTORP)/Exercise Torpedoes (EXTORP)
E4	CORE	Configure torpedo containers
E4	CORE	Configure torpedo delivery systems
E4	CORE	Configure torpedoes
E4	CORE	Configure weapons casualty equipment
E7	CORE	Coordinate gun weapon systems operations

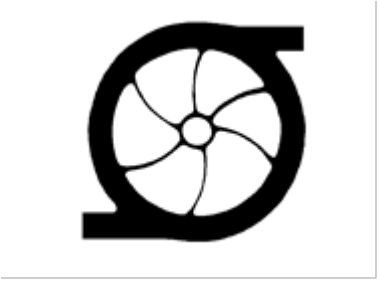
WEAPONS SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate gun weapon systems uploading and downloading
E7	CORE	Coordinate recovery of Recoverable Exercise Torpedoes (REXTORP)/Exercise Torpedoes (EXTORP)
E7	CORE	Coordinate torpedo delivery systems uploading and downloading
E7	CORE	Coordinate torpedo launch operations
E7	CORE	Coordinate weapon system exercises and certification operations
E4	CORE	Download gun weapon systems
E4	CORE	Download torpedo delivery systems
E4	CORE	Engage contacts with gun weapon systems
E5	CORE	Inspect installation of torpedo flight accessories
E4	CORE	Install torpedo flight accessories
E4	CORE	Inventory weapons casualty equipment
E4	CORE	Launch torpedoes
E6	CORE	Manage gun weapon systems operations
E6	CORE	Manage gun weapon systems uploading and downloading
E6	CORE	Manage recovery of Recoverable Exercise Torpedoes (REXTORP)/Exercise Torpedoes (EXTORP)
E6	CORE	Manage torpedo delivery systems downloads
E6	CORE	Manage torpedo delivery systems uploads
E7	CORE	Monitor weapons casualty evolutions
E4	CORE	Off-load missiles
E4	CORE	On-load missiles
E4	CORE	Perform preventive maintenance on gun weapon systems
E4	CORE	Perform preventive maintenance on weapons casualty equipment
E4	CORE	Perform torpedo pre-fire tests
E4	CORE	Perform weapons casualty procedures
E4	CORE	Recover Recoverable Exercise Torpedoes (REXTORP)/Exercise Torpedoes (EXTORP)
E4	CORE	Repair computer and peripheral systems
E4	CORE	Repair gun weapon systems
E4	CORE	Repair torpedo delivery systems
E4	CORE	Repair weapons casualty equipment
E5	CORE	Report combat systems equipment status
E5	CORE	Supervise gun weapon systems operations
E5	CORE	Supervise gun weapon systems uploading and downloading
E5	CORE	Supervise installation of torpedo flight accessories
E5	CORE	Supervise recovery of Recoverable Exercise Torpedoes (REXTORP)/Exercise Torpedoes (EXTORP)
E5	CORE	Supervise torpedo delivery systems downloads
E5	CORE	Supervise torpedo delivery systems uploads
E5	CORE	Supervise weapons casualty evolutions

WEAPONS SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test computer and peripheral systems
E4	CORE	Test gun weapon systems
E4	CORE	Test torpedo delivery systems
E4	NON-CORE	Test torpedoes
E4	CORE	Test weapons casualty equipment
E4	CORE	Troubleshoot computer and peripheral systems
E4	CORE	Troubleshoot gun weapon systems
E4	CORE	Troubleshoot torpedo delivery systems
E4	NON-CORE	Troubleshoot torpedoes
E4	CORE	Troubleshoot weapons casualty equipment
E4	CORE	Upload gun weapon systems
E4	CORE	Upload torpedo delivery systems
E6	CORE	Verify installation of torpedo flight accessories

CHAPTER 39



GAS TURBINE SYSTEMS TECHNICIAN (ELECTRICAL) (GSE)

NAVPERS 18068F-39I
Change 104

Updated: October 2025

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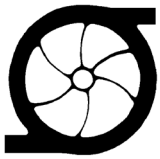
NAVY ENLISTED OCCUPATIONAL STANDARDS

FOR

GAS TURBINE SYSTEMS TECHNICIAN (ELECTRICAL) (GSE)



SCOPE OF RATING

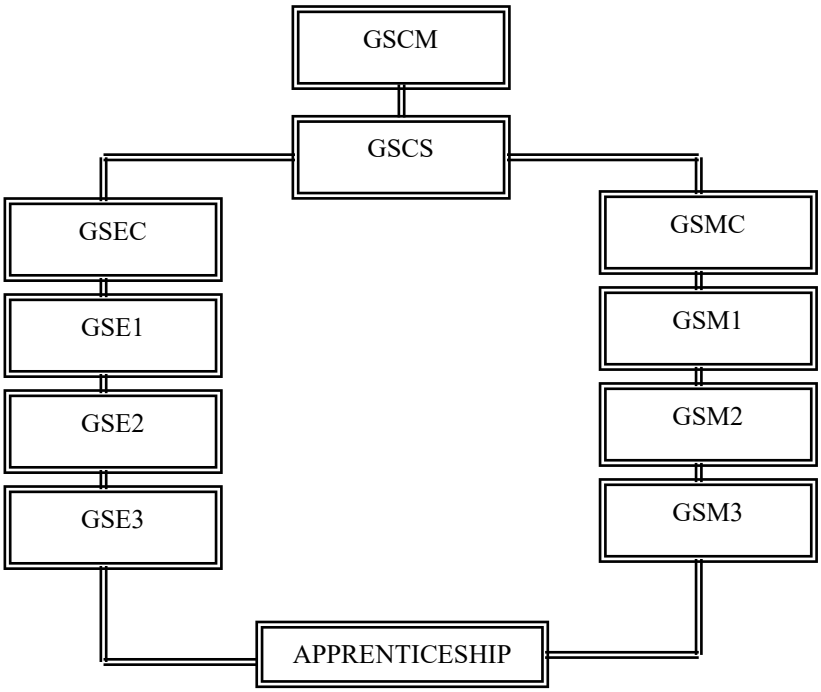
Gas Turbine Systems Technicians (GS) operate, repair, and perform organizational and intermediate maintenance on ship's propulsion Gas Turbine Engines (GTE), Ship's Service Gas Turbine Generators (SSGTG), main propulsion machinery (including gears, shafting, and Controllable Pitch Propellers (CPP)), assigned auxiliary equipment (including fuel and lube oil systems), machinery control systems (including consoles and Programmed Logic Controllers (PLC)), assigned electrical and electronic equipment up to the printed circuit boards, and alarm and warning circuitry.

Gas Turbine Systems Technicians (Electrical) (GSE) operate, repair, troubleshoot, and perform organizational and intermediate maintenance on electrical components of ship's propulsion Gas Turbine Engines (GTE), Ship's Service Gas Turbine Generators (SSGTG), electrical distribution equipment, assigned auxiliary equipment (including Alternating Current (AC) motors, motor operated valves, solenoid operated valves, logic controllers, and automatic Bus Transfer Systems (BTS), machinery control systems, assigned electrical and electronic equipment up to the printed circuit boards, and alarm and warning circuitry.

These Occupational Standards are to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068H) as Chapter 39.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Gas Turbine Electrical Systems Manager 002794

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	GAS TURBINE ELEC SYS MANAGER	GTE SYS MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	GSE	NEC UXXX and 7XXX series and other NECs as assigned

Job Description

Gas Turbine Electrical Managers provide overall management by reviewing, approving, and managing engine operations and programs aboard Navy ships: manage personnel during the operation and maintenance of main propulsion Gas Turbine Engine (GTE) and reduction gears used for ship propulsion and auxiliary machinery, such as pumps and oil purifiers; provide guidance and technical knowledge in the maintenance of auxiliary machinery outside of the machinery spaces; manage personnel in the alignment process of piping systems for fuel, oil, water, and air; manage the operation of ship Gas Turbine Engines (GTE) used for ship propulsion and service systems and the operation of ship's service Gas Turbine Engine (GTE) generators used to produce electrical power; manage the construction of operating systems, and networking and Information Technology (IT) systems; manage personnel responsible for cleaning, adjusting, testing, and the performance of other preventative maintenance on ship's main propulsion Gas Turbine Engine (GTE), ship's service Gas Turbine Engine (GTE) generators, pumps and associated valves; provide guidance and technical knowledge in the repair and replacement of valves, pumps, heat exchangers, compressors, and hydraulic or pneumatic control devices; and manage and analyze machinery operating records and reports and machinery control systems; mentor/train Gas Turbine Electrical Systems Technicians and Gas Turbine Electrical Systems Maintainers.

DoD Relationship

Group Title	*DoD Code*
Auxiliaries	165200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Production and Operating Workers	51-1011.00	Production

Skills	Abilities
Systems Analysis	*Written Comprehension*
Reading Comprehension	*Inductive Reasoning*
Quality Control Analysis	*Written Expression*
Complex Problem Solving	*Information Ordering*
Judgment and Decision Making	*Selective Attention*
Coordination	*Finger Dexterity*
Critical Thinking	*Originality*
Management of Material Resources	*Category Flexibility*
Writing	*Control Precision*
Monitoring	*Deductive Reasoning*

AUXILIARY EQUIPMENT

Paygrade	Task Type	Task Statements
E7	CORE	Adjust alarm set points for Machinery Control Systems (MCS)
E6	CORE	Evaluate fluid samples
E5	CORE	Maintain Integrated Condition Assessment System (ICAS)
E7	CORE	Supervise high voltage switchboards components (i.e., >1000 volts) maintenance
E6	CORE	Supervise low voltage switchboards components (i.e., 450 volts) maintenance
E5	CORE	Supervise maintenance on Vent Fog Precipitators (VFP)

GAS TURBINE

Paygrade	Task Type	Task Statements
E7	CORE	Perform Gas Turbine Engine (GTE) intake and exhaust inspections and closeouts

PROPULSION CONTROL SYSTEMS

Paygrade	Task Type	Task Statements
E5	CORE	Configure operating systems
E5	CORE	Construct networking and Information Technology (IT) systems

PROPULSION CONTROL SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Troubleshoot bell and data logger
E5	CORE	Troubleshoot Machinery Control Systems (MCS)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate engineering assessment evolutions
E6	CORE	Disseminate Gas Turbine Bulletins (GTB) from weblog
E7	CORE	Evaluate engineering equipment data logs
E7	CORE	Evaluate engineering management programs
E7	NON-CORE	Maintain environmental pollution control programs
E7	CORE	Maintain Marine Gas Turbine Service Records (MGTSR)
E7	CORE	Manage engineering data logs
E6	CORE	Manage Engineering Operational Sequencing System (EOSS) program
E6	CORE	Manage engineering plant operations
E6	CORE	Manage Machinery Control Systems (MCS) administration
E6	CORE	Manage shipboard calibration program
E7	CORE	Manage weblog
E7	CORE	Prepare ship-wide full power and economy trials
E6	NON-CORE	Review engineering Quality Assurance (QA) packages
E5	CORE	Validate Engineering Operational Sequencing System (EOSS) manuals
E7	NON-CORE	Validate engineering Quality Assurance (QA) packages

Job Title **Job Code**

Gas Turbine Electrical Systems Technician 003654

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	GAS TURBINE E SYSTEM TEC	GTE SYS TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	GSE	NEC UXXX and 7XXX series and other NECs as assigned

Job Description

Gas Turbine Electrical Systems Technicians operate the electric plant and main propulsion control equipment; locate circuit failures and replace parts; measure current, voltage and resistance; test for shorts, grounds and continuity; test protective circuitry; test, service, and replace batteries; perform preventative and corrective maintenance on digital data equipment and control and monitor circuits; measure insulation resistance; repair electrical/electronic cables, wiring, and connectors; maintain machinery control systems, and alarm, indicating and warning systems; construct operating systems, and networking and Information Technology (IT) systems; maintain and repair Gas Turbine Engines (GTE), Main Reduction Gear (MRG), and auxiliary equipment; work with blueprints, schematics, and charts; perform administrative procedures related to Gas Turbine (GT) propulsion system operations and maintenance; perform work area inspections; operate standard test equipment; stop engines and check for proper performance; replace and adjust operating tolerance of contacts, micro switches, relay switches, pressure switches, and temperature switches; work independently; and provide limited guidance, support, and instruction to Gas Turbine Electrical Systems Maintainers.

DoD Relationship

Group Title	*DoD Code*
Auxiliaries	165200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	49-2095.00	Installation, Maintenance, and Repair

Skills	Abilities
Systems Analysis	*Written Comprehension*
Quality Control Analysis	*Manual Dexterity*
Complex Problem Solving	*Inductive Reasoning*
Critical Thinking	*Originality*
Repairing	*Problem Sensitivity*
Equipment Maintenance	*Information Ordering*
Operation and Control	*Finger Dexterity*
Installation	*Written Expression*
Operation Monitoring	*Dynamic Flexibility*
Reading Comprehension	*Deductive Reasoning*

AUXILIARY EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Adjust alarm set points for non-Machinery Control Systems (MCS)
E4	CORE	Adjust electrically-operated valves
E5	CORE	Adjust potentiometers
E5	CORE	Adjust power supplies
E4	CORE	Align compressed air systems
E4	CORE	Align electrically-operated valves
E5	CORE	Align high voltage switchboards (i.e., >1000 volts)
E4	CORE	Align low voltage switchboards (i.e., 450 volts)
E4	CORE	Align pumps (e.g., seawater, main Lube Oil (LO), Fuel Oil (FO), etc.)
E4	CORE	Calibrate main Lube Oil (LO) service systems
E4	CORE	Calibrate switches (e.g., electrical, pressure, temperature, micro, etc.)
E4	CORE	Calibrate Tank Level Indicators (TLI)
E4	CORE	Draw fluid samples
E4	CORE	Inspect compressed air systems
E6	CORE	Inspect high voltage switchboards (i.e., >1000 volts)
E6	CORE	Inspect low voltage switchboards (i.e., 450 volts)

AUXILIARY EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Maintain Integrated Condition Assessment System (ICAS)
E4	CORE	Perform preventative maintenance bus transfer switches
E4	NON-CORE	Perform preventative maintenance on converter and inverter components
E4	CORE	Perform preventative maintenance on electrical controllers
E4	CORE	Perform preventative maintenance on electrical motors
E4	CORE	Perform preventative maintenance on electrically-operated valves
E4	CORE	Perform preventative maintenance on heat stress sensors
E5	CORE	Perform preventative maintenance on high voltage switchboards (i.e., >1000 volts)
E5	CORE	Perform preventative maintenance on low voltage switchboards (i.e., 450 volts)
E4	CORE	Perform preventative maintenance on pumps (e.g., seawater, main Lube Oil (LO), Fuel Oil (FO), etc.)
E5	CORE	Repair bus transfer switches
E4	CORE	Repair compressed air systems electrical components
E4	CORE	Repair electrical components of solenoid valves
E4	CORE	Repair electrical controllers
E5	CORE	Repair electrical motors
E4	CORE	Repair electrically-operated valves
E5	NON-CORE	Repair fiber optic cables
E4	CORE	Repair heat stress sensors
E5	CORE	Repair high voltage switchboards components (i.e., >1000 volts)
E5	CORE	Repair low voltage switchboard components (i.e., 450 volts)
E5	CORE	Repair steering control consoles (i.e., aft and bridge)
E4	CORE	Repair Tank Level Indicators (TLI)
E4	CORE	Repair temperature regulating devices (i.e., heaters and thermostats)
E5	CORE	Repair waste oil systems electrical components
E5	NON-CORE	Replace converter and inverter components
E4	CORE	Replace electrical components of solenoid valves
E5	CORE	Replace electrically-operated valves
E4	CORE	Replace Gas Turbine (GT) module components
E4	CORE	Replace heat stress sensors
E5	CORE	Replace potentiometers
E4	CORE	Replace power supplies
E4	CORE	Replace pressure/temperature transducers
E5	CORE	Replace Programmable Logic Controller (PLC)
E4	CORE	Replace switches (e.g., electrical, pressure, temperature, micro, etc.)
E4	CORE	Test compressed air systems
E4	CORE	Test heat stress sensors
E5	CORE	Test potentiometers
E5	CORE	Troubleshoot bus transfer switches
E5	CORE	Troubleshoot compressed air systems electrical components

AUXILIARY EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Troubleshoot converter and inverter components
E4	CORE	Troubleshoot electrical components of solenoid valves
E5	CORE	Troubleshoot electrical controllers
E5	CORE	Troubleshoot electrical motors
E5	NON-CORE	Troubleshoot fiber optic cables
E4	CORE	Troubleshoot heat stress sensors
E5	CORE	Troubleshoot power supplies
E4	CORE	Troubleshoot pressure/temperature transducers
E4	CORE	Troubleshoot switches (e.g., electrical, pressure, temperature, micro, etc.)
E4	CORE	Troubleshoot Tank Level Indicators (TLI)
E4	CORE	Troubleshoot temperature regulating devices (i.e., heaters and thermostats)

GAS TURBINE

Paygrade	Task Type	Task Statements
E4	CORE	Adjust No-Brake Power Supply (NBPS)
E4	CORE	Align Full Authority Digital Controls (FADC)
E4	CORE	Align Gas Turbine (GT) support systems
E4	CORE	Align Gas Turbine (GT) water wash systems
E4	CORE	Calibrate blow-in doors
E4	CORE	Inspect Gas Turbine (GT) modules
E5	CORE	Repair blow-in door components
E5	CORE	Repair Full Authority Digital Controls (FADC)
E4	CORE	Repair Gas Turbine (GT) module components
E5	CORE	Repair Gas Turbine (GT) support systems
E4	CORE	Repair Gas Turbine (GT) water wash systems
E4	CORE	Repair No-Brake Power Supply (NBPS)
E5	CORE	Replace frequency regulator and components
E5	CORE	Replace Gas Turbine Engine (GTE) components
E5	CORE	Replace Redundant Independent Mechanical Start Systems (RIMSS) components
E5	CORE	Replace voltage regulators
E5	CORE	Test Gas Turbine Engine (GTE) components
E4	CORE	Test voltage regulators
E5	CORE	Troubleshoot frequency regulators
E5	CORE	Troubleshoot Full Authority Digital Controls (FADC)
E5	CORE	Troubleshoot Gas Turbine (GT) generators
E5	CORE	Troubleshoot Gas Turbine (GT) support systems
E6	CORE	Troubleshoot Gas Turbine Engine (GTE) components
E5	CORE	Troubleshoot No-Brake Power Supply (NBPS)
E5	CORE	Troubleshoot Redundant Independent Mechanical Start Systems (RIMSS)
E5	CORE	Troubleshoot voltage regulators

MAIN PROPULSION

Paygrade	Task Type	Task Statements
E4	CORE	Align Controllable Pitch Propeller (CPP) or Controllable Reversible Pitch (CRP) systems
E4	CORE	Align main Lube Oil (LO) service systems
E4	CORE	Align Vent Fog Precipitators (VFP)
E4	CORE	Perform preventative maintenance on main Lube Oil (LO) service systems
E4	CORE	Perform preventative maintenance on Vent Fog Precipitators (VFP)
E5	CORE	Repair Controllable Reversible Pitch (CRP) or Controllable Pitch Propeller (CPP) systems
E5	CORE	Repair Fuel Oil (FO) service, fill, and transfer systems
E5	NON-CORE	Repair hybrid electric drive/Support Equipment (SE)
E6	CORE	Repair Vent Fog Precipitators (VFP)
E5	CORE	Troubleshoot Controllable Reversible Pitch (CRP) or Controllable Pitch Propeller (CPP) systems
E5	CORE	Troubleshoot Fuel Oil (FO) service, fill, and transfer systems
E5	NON-CORE	Troubleshoot hybrid electric drive/Support Equipment (SE)
E5	CORE	Troubleshoot turning gears
E6	CORE	Troubleshoot Vent Fog Precipitators (VFP)

PROPULSION CONTROL SYSTEMS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Adjust Fuel Systems Control Consoles (FSCC)
E4	CORE	Align Damage Control Consoles (DCC)
E4	CORE	Align Data Acquisition Unit (DAU)
E4	CORE	Align Data Interface Units (DIU)
E4	CORE	Align Electric Plant Control Consoles (EPCC)
E4	CORE	Align Engine Controllers (EC)
E4	CORE	Align Engineering Officer of the Watch (EOOW) logging units
E4	CORE	Align Fuel Control System (FCS)
E4	NON-CORE	Align Fuel Systems Control Consoles (FSCC)
E4	NON-CORE	Align operating stations (i.e., Reduced Size Operator Stations (RSOS) and Standard Operator Station Units (SOSU))
E4	CORE	Align Propulsion and Auxiliary Control Consoles (PACC)
E4	CORE	Align Repair Station Consoles (RSC)
E4	CORE	Align Shaft Control Units (SCU)
E4	CORE	Align Universal Control Consoles (UCC)
E4	CORE	Align Universal Engine Controls (UEC)
E5	CORE	Configure operating systems
E5	CORE	Construct networking and Information Technology (IT) systems
E4	CORE	Perform preventative maintenance Damage Control Consoles (DCC)
E4	CORE	Perform preventative maintenance on bell and data logger
E4	CORE	Perform preventative maintenance on Data Acquisition Units (DAU)

PROPULSION CONTROL SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventative maintenance on Data Interface Units (DIU)
E4	CORE	Perform preventative maintenance on Electric Plant Control Consoles (EPCC)
E4	CORE	Perform preventative maintenance on Engine Controllers (EC)
E4	CORE	Perform preventative maintenance on Engineering Officer of the Watch (EOOW) logging unit
E4	CORE	Perform preventative maintenance on Fuel Control System (FCS)
E4	NON-CORE	Perform preventative maintenance on Fuel Systems Control Consoles (FSCC)
E4	NON-CORE	Perform preventative maintenance on operating stations (i.e., Reduced Size Operator Stations (RSOS) and Standard Operator Station Units (SOSU))
E4	CORE	Perform preventative maintenance on Propulsion and Auxiliary Control Consoles (PACC)
E4	CORE	Perform preventative maintenance on Repair Station Consoles (RSC)
E4	CORE	Perform preventative maintenance on Shaft Control Units (SCU)
E4	CORE	Perform preventative maintenance on the Machinery Control Systems (MCS)
E4	CORE	Perform preventative maintenance on Uninterruptable Power Supply (UPS)
E4	CORE	Perform preventative maintenance on Universal Control Consoles (UCC)
E4	CORE	Perform preventative maintenance on Universal Engine Controls (UEC)
E5	CORE	Repair bell and data logger
E5	CORE	Repair Damage Control Consoles (DCC)
E5	CORE	Repair Data Acquisition Units (DAU)
E5	CORE	Repair Data Interface Unit (DIU)
E5	CORE	Repair Electric Plant Control Consoles (EPCC)
E5	CORE	Repair Electrical Plant Central Processing Units (EPCPU)
E5	CORE	Repair Engine Controllers (EC)
E5	CORE	Repair Fuel Control System (FCS)
E5	NON-CORE	Repair Fuel Systems Control Consoles (FSCC)
E5	CORE	Repair Machinery Control Systems (MCS)
E5	CORE	Repair meters and gauges for control consoles (e.g., switchboards, propulsion control consoles, auxiliary consoles, etc.)
E5	NON-CORE	Repair operating stations (i.e., Reduced Size Operator Stations (RSOS) and Standard Operator Station Units (SOSU))
E5	CORE	Repair Propulsion and Auxiliary Control Consoles (PACC)
E5	CORE	Repair Shaft Control Units (SCU)
E4	CORE	Repair Station Consoles (RSC)
E5	CORE	Repair Uninterruptable Power Supply (UPS)
E5	CORE	Repair Universal Control Consoles (UCC)
E5	CORE	Repair Universal Engine Controls (UEC)
E4	CORE	Replace Electrical Plant Central Processing Unit (EPCPU)
E5	CORE	Replace meters and gauges for control consoles (e.g., switchboards, propulsion control consoles, auxiliary consoles, etc.)
E4	CORE	Replace on Engineering Officer of the Watch (EOOW) logging unit components

PROPULSION CONTROL SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Replace Uninterruptable Power Supply (UPS)
E4	CORE	Test Uninterruptable Power Supply (UPS)
E5	CORE	Troubleshoot bell and data logger
E5	CORE	Troubleshoot Damage Control Consoles (DCC)
E5	CORE	Troubleshoot Data Acquisition Units (DAU)
E5	CORE	Troubleshoot Data Interface Unit (DIU)
E5	CORE	Troubleshoot Electric Plant Control Consoles (EPCC)
E5	CORE	Troubleshoot Engine Controllers (EC)
E5	CORE	Troubleshoot Engineering Officer of the Watch (EOOW) logging unit
E5	CORE	Troubleshoot Fuel Control System (FCS)
E5	NON-CORE	Troubleshoot Fuel Systems Control Consoles (FSCC)
E5	CORE	Troubleshoot Machinery Control Systems (MCS)
E5	CORE	Troubleshoot meters and gauges for control consoles (e.g., switchboards, propulsion control consoles, auxiliary consoles, etc.)
E5	NON-CORE	Troubleshoot operating stations (i.e. Reduced Size Operator Stations (RSOS) and Standard Operator Station Units (SOSU))
E5	CORE	Troubleshoot Propulsion and Auxiliary Control Consoles (PACC)
E5	CORE	Troubleshoot Repair Station Consoles (RSC)
E5	CORE	Troubleshoot Shaft Control Units (SCU)
E4	CORE	Troubleshoot Uninterruptable Power Supply (UPS)
E5	CORE	Troubleshoot Universal Control Consoles (UCC)
E5	CORE	Troubleshoot Universal Engine Controls (UEC)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Collect engineering data readings
E6	CORE	Disseminate Gas Turbine Bulletins (GTB) from weblog
E4	CORE	Log fuel tank levels
E4	CORE	Log meter readings
E5	CORE	Maintain shipboard calibration program
E6	CORE	Manage engineering plant operations
E6	CORE	Manage shipboard calibration program
E5	NON-CORE	Prepare engineering Quality Assurance (QA) forms
E5	NON-CORE	Prepare engineering Quality Assurance (QA) packages
E5	CORE	Validate Engineering Operational Sequencing System (EOSS) manuals

Job Title **Job Code**

Gas Turbine Electrical Systems Maintainer 003202

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	GAS TURBINE E SYSTEM MAINT	GTE SYS MAINT

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	GSE	NEC UXXX and 7XXX series and other NECs as assigned

Job Description

Gas Turbine Electrical Systems Maintainers operate the electric plant and main propulsion control equipment; locate circuit failures and replace parts; measure current, voltage, and resistance; test for shorts, grounds, and continuity; test protective circuitry; test, service, and replace batteries; perform preventative and corrective maintenance on digital data equipment; control and monitor circuits; measure insulation resistance; inspect electrical/electronic cables, wiring, and connectors; maintain alarm, indicating, and warning systems; maintain Gas Turbine Engines (GTE), Main Reduction Gear (MRG), and auxiliary equipment; work with blueprints, schematics, and charts; perform administrative procedures related to Gas Turbine (GT) propulsion system operations and maintenance; perform work area inspections; operate standard test equipment; stop engines and check for proper performance; replace and adjust operating tolerance of contacts, micro switches, relay switches, pressure switches, and temperature switches; and work under the supervision of Gas Turbine Electrical Systems Technicians while learning the trade or skill.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Auxiliaries	165200	Power Plant Operators	51-8013.00	Production

Skills	Abilities
Systems Analysis	*Written Comprehension*
Equipment Maintenance	*Problem Sensitivity*
Quality Control Analysis	*Inductive Reasoning*
Operation and Control	*Manual Dexterity*
Complex Problem Solving	*Information Ordering*
Critical Thinking	*Originality*
Repairing	*Dynamic Flexibility*
Operation Monitoring	*Deductive Reasoning*
Installation	*Stamina*
Troubleshooting	*Time Sharing*

AUXILIARY EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Adjust alarm set points for non-Machinery Control Systems (MCS)
E4	CORE	Adjust electrically-operated valves
E4	CORE	Align compressed air systems
E4	CORE	Align electrically-operated valves
E4	CORE	Align low voltage switchboards (i.e., 450 volts)
E4	CORE	Align pumps (e.g., seawater, main Lube Oil (LO), Fuel Oil (FO), etc.)
E4	CORE	Align steering control consoles (i.e., aft and bridge)
E4	CORE	Calibrate main Lube Oil (LO) service systems
E4	CORE	Calibrate switches (e.g., electrical, pressure, temperature, micro, etc.)
E4	CORE	Calibrate Tank Level Indicators (TLI)
E6	CORE	Configure settings on Programmable Logic Controller (PLC)
E4	CORE	Draw fluid samples
E4	CORE	Inspect compressed air systems
E4	CORE	Inspect electrically-operated valves
E4	CORE	Navigate Full Authority Digital Controls (FADC)
E4	CORE	Perform preventative maintenance bus transfer switches
E4	CORE	Perform preventative maintenance on compressed air systems electrical components

AUXILIARY EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Perform preventative maintenance on converter and inverter components
E4	CORE	Perform preventative maintenance on electrical controllers
E4	CORE	Perform preventative maintenance on electrical motors
E4	CORE	Perform preventative maintenance on electrically-operated valves
E5	CORE	Perform preventative maintenance on Gas Turbine (GT) generators
E4	CORE	Perform preventative maintenance on Gas Turbine (GT) support systems
E4	CORE	Perform preventative maintenance on heat stress sensors
E4	CORE	Perform preventative maintenance on pumps (e.g., seawater, main Lube Oil (LO), Fuel Oil (FO), etc.)
E4	CORE	Perform preventative maintenance waste oil systems electrical components
E4	CORE	Repair compressed air systems electrical components
E4	CORE	Repair electrical components of solenoid valves
E4	CORE	Repair electrical controllers
E4	CORE	Repair electrically-operated valves
E5	NON-CORE	Repair Failure Detector Module (FDM)
E4	CORE	Repair heat stress sensors
E4	CORE	Repair Tank Level Indicators (TLI)
E4	CORE	Repair temperature regulating devices (i.e., heaters and thermostats)
E5	CORE	Replace blow-in door controller components
E4	CORE	Replace electrical components of solenoid valves
E5	CORE	Replace Failure Detector Module (FDM)
E4	CORE	Replace Gas Turbine (GT) module components
E4	CORE	Replace heat stress sensors
E4	CORE	Replace power supplies
E4	CORE	Replace pressure/temperature transducers
E4	CORE	Replace switches (e.g., electrical, pressure, temperature, micro, etc.)
E4	CORE	Test compressed air systems
E4	CORE	Test electrically-operated valves
E4	CORE	Test heat stress sensors
E4	CORE	Test steering control consoles (i.e., aft and bridge)
E4	CORE	Troubleshoot electrical components of solenoid valves
E4	CORE	Troubleshoot electrically-operated valves
E5	CORE	Troubleshoot Failure Detector Module (FDM)
E4	CORE	Troubleshoot heat stress sensors
E6	CORE	Troubleshoot high voltage switchboards components (i.e., >1000 volts)
E4	CORE	Troubleshoot Integrated Condition Assessment System (ICAS)
E5	CORE	Troubleshoot low voltage switchboards components (i.e., 450 volts)
E4	CORE	Troubleshoot pressure/temperature transducers
E5	CORE	Troubleshoot Programmable Logic Controller (PLC)
E5	CORE	Troubleshoot steering control consoles (i.e., aft and bridge)

AUXILIARY EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot switches (e.g., electrical, pressure, temperature, micro, etc.)
E4	CORE	Troubleshoot Tank Level Indicators (TLI)
E4	CORE	Troubleshoot temperature regulating devices (i.e., heaters and thermostats)
E5	CORE	Troubleshoot waste oil systems electrical components

GAS TURBINE

Paygrade	Task Type	Task Statements
E4	CORE	Adjust No-Brake Power Supply (NBPS)
E4	CORE	Align Full Authority Digital Controls (FADC)
E4	CORE	Align Gas Turbine (GT) support systems
E4	CORE	Align Gas Turbine (GT) water wash systems
E4	CORE	Align No-Brake Power Supply (NBPS)
E4	CORE	Calibrate blow-in doors
E4	CORE	Inspect Gas Turbine (GT) modules
E4	CORE	Perform preventative maintenance No-Brake Power Supply (NBPS)
E4	CORE	Perform preventative maintenance on Gas Turbine Engine (GTE) components
E4	CORE	Perform preventative maintenance on Redundant Independent Mechanical Start Systems (RIMSS)
E4	CORE	Repair Gas Turbine (GT) module components
E4	CORE	Repair Gas Turbine (GT) water wash systems
E4	CORE	Repair No-Brake Power Supply (NBPS)
E5	CORE	Test Gas Turbine (GT) generators
E4	CORE	Test voltage regulators
E4	CORE	Troubleshoot blow-in doors and components
E4	CORE	Troubleshoot Gas Turbine (GT) water wash systems

MAIN PROPULSION

Paygrade	Task Type	Task Statements
E4	CORE	Align Controllable Pitch Propeller (CPP) or Controllable Reversible Pitch (CRP) systems
E4	CORE	Align Fuel Oil (FO) service, fill, and transfer systems
E4	CORE	Align main Lube Oil (LO) service systems
E4	CORE	Align turning gears
E4	CORE	Align Vent Fog Precipitators (VFP)
E4	CORE	Perform preventative maintenance on Controllable Reversible Pitch (CRP) or Controllable Pitch Propeller (CPP) systems
E5	NON-CORE	Perform preventative maintenance on hybrid electric drive/Support Equipment (SE)
E4	CORE	Perform preventative maintenance on main Lube Oil (LO) service systems
E5	CORE	Perform preventative maintenance on Main Reduction Gear (MRG)
E4	CORE	Perform preventative maintenance on turning gears
E4	CORE	Perform preventative maintenance on Vent Fog Precipitators (VFP)
E5	CORE	Repair main Lube Oil (LO) service systems

MAIN PROPULSION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Troubleshoot main Lube Oil (LO) service systems
E5	CORE	Troubleshoot Main Reduction Gear (MRG)

PROPULSION CONTROL SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Align Damage Control Consoles (DCC)
E4	CORE	Align Data Acquisition Unit (DAU)
E4	CORE	Align Data Interface Units (DIU)
E4	CORE	Align Electric Plant Control Consoles (EPCC)
E4	CORE	Align Engine Controllers (EC)
E4	CORE	Align Engineering Officer of the Watch (EOOW) logging units
E4	CORE	Align Fuel Control System (FCS)
E4	NON-CORE	Align Fuel Systems Control Consoles (FSCC)
E4	NON-CORE	Align operating stations (i.e., Reduced Size Operator Stations (RSOS) and Standard Operator Station Units (SOSU))
E4	CORE	Align Propulsion and Auxiliary Control Consoles (PACC)
E4	CORE	Align Repair Station Consoles (RSC)
E4	CORE	Align Shaft Control Units (SCU)
E4	CORE	Align Universal Control Consoles (UCC)
E4	CORE	Align Universal Engine Controls (UEC)
E4	CORE	Perform preventative maintenance Damage Control Consoles (DCC)
E4	CORE	Perform preventative maintenance on bell and data logger
E4	CORE	Perform preventative maintenance on Data Acquisition Units (DAU)
E4	CORE	Perform preventative maintenance on Data Interface Units (DIU)
E4	CORE	Perform preventative maintenance on Electric Plant Control Consoles (EPCC)
E4	CORE	Perform preventative maintenance on Engine Controllers (EC)
E4	CORE	Perform preventative maintenance on Engineering Officer of the Watch (EOOW) logging unit
E4	CORE	Perform preventative maintenance on Fuel Control System (FCS)
E4	NON-CORE	Perform preventative maintenance on Fuel Systems Control Consoles (FSCC)
E4	NON-CORE	Perform preventative maintenance on operating stations (i.e., Reduced Size Operator Stations (RSOS) and Standard Operator Station Units (SOSU))
E4	CORE	Perform preventative maintenance on Propulsion and Auxiliary Control Consoles (PACC)
E4	CORE	Perform preventative maintenance on Repair Station Consoles (RSC)
E4	CORE	Perform preventative maintenance on Shaft Control Units (SCU)
E4	CORE	Perform preventative maintenance on the Machinery Control Systems (MCS)
E4	CORE	Perform preventative maintenance on Uninterruptable Power Supply (UPS)
E4	CORE	Perform preventative maintenance on Universal Control Consoles (UCC)
E4	CORE	Perform preventative maintenance on Universal Engine Controls (UEC)
E5	CORE	Repair meters and gauges for control consoles (e.g., switchboards, propulsion control consoles, auxiliary consoles, etc.)

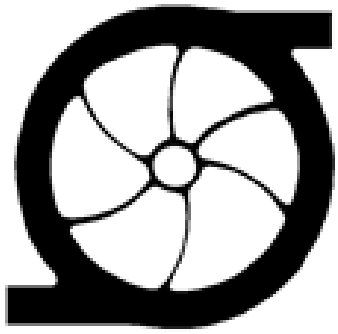
PROPULSION CONTROL SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair Station Consoles (RSC)
E5	CORE	Repair Uninterruptable Power Supply (UPS)
E4	CORE	Replace Electrical Plant Central Processing Unit (EPCPU)
E4	CORE	Replace on Engineering Officer of the Watch (EOOW) logging unit components
E4	CORE	Replace Uninterruptable Power Supply (UPS)
E4	CORE	Test Uninterruptable Power Supply (UPS)
E5	CORE	Troubleshoot Electrical Plant Central Processing Unit (EPCPU)
E5	CORE	Troubleshoot meters and gauges for control consoles (e.g., switchboards, propulsion control consoles, auxiliary consoles, etc.)
E4	CORE	Troubleshoot Uninterruptable Power Supply (UPS)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Collect engineering data readings
E4	CORE	Log fuel tank levels
E4	CORE	Log meter readings

CHAPTER 39



GAS TURBINE SYSTEMS TECHNICIAN (MECHANICAL) (GSM)

NAVPERS 18068F-39I
Change 103

Updated: July 2025

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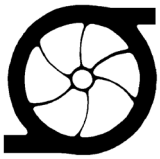
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

GAS TURBINE SYSTEMS TECHNICIAN (MECHANICAL) (GSM)



SCOPE OF RATING

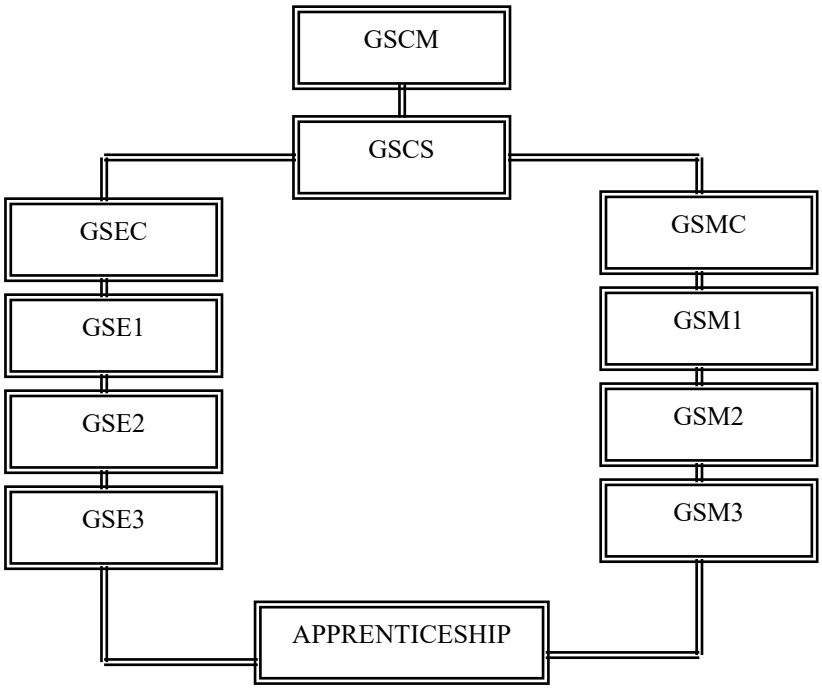
Gas Turbine Systems Technicians (GS) operate, repair, and perform organizational and intermediate maintenance on ship's propulsion Gas Turbine Engines (GTE), Ship's Service Gas Turbine Generators (SSGTG), main propulsion machinery (including gears, shafting, and Controllable Pitch Propellers (CPP)), assigned auxiliary equipment (including fuel and lube oil systems), machinery control systems (including consoles and Programmed Logic Controllers (PLC)), assigned electrical and electronic equipment up to the printed circuit boards, and alarm and warning circuitry.

Gas Turbine Systems Technicians (Mechanical) (GSM) operate, repair, replace, and perform organizational and intermediate maintenance on mechanical components of Gas Turbine Engines (GTE), main propulsion machinery (including gears, shafting, and Controllable Pitch/Reversible Propellers (CPP/CRP)), assigned auxiliary equipment and propulsion control systems.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 39.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Gas Turbine Mechanical Systems Technician 003003

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	GAS TURBINE M SYSTEM TEC	GT MECH TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	GSM	NEC UXXX and 7XXX series and other NECs as assigned

Job Description

Gas Turbine Mechanical Systems Technicians maintain and operate Ship's Service Gas Turbine Generators (SSGTG) and support systems; maintain Controllable Reversible/Pitch Propeller (CRP/CPP) systems; operate propulsion plant controls and main propulsion equipment, pumps, turning gears, air compressors, oil purification systems, Low Pressure Air Dehydrators (LPAD), and engineering control systems; utilize blueprints, schematics, and charts to maintain and repair Gas Turbine Engines (GTE) and auxiliary equipment; perform preventative maintenance on ship's fuel systems and air systems, Sea Water Service Systems (SWSS), waste drain systems, oil purification systems, and manually-operated valves; perform work area inspections; operate standard test equipment; test lubricating oil and distillate fuels for contamination, neutralization, and precipitation; conduct engine checks to verify performance and replace and/or adjust operating tolerance of contacts, micro-switches, relay switches, pressure switches, and temperature switches; perform administrative procedures related to gas turbine propulsion system operation and maintenance; and supervise Gas Turbine Mechanical Systems Maintainers.

DoD Relationship

Group Title	*DoD Code*
Auxiliaries	165200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Power Plant Operators	51-8013.00	Production

Skills	Abilities
Quality Control Analysis	*Problem Sensitivity*
Complex Problem Solving	*Manual Dexterity*
Repairing	*Written Comprehension*
Equipment Maintenance	*Deductive Reasoning*
Reading Comprehension	*Inductive Reasoning*
Operation and Control	*Information Ordering*
Active Learning	*Written Expression*
Critical Thinking	*Selective Attention*
Troubleshooting	*Visualization*
Systems Evaluation	*Mathematical Reasoning*

AUXILIARY EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Align bleed air systems (i.e., start air, prairie, masker, anti-icing)
E4	NON-CORE	Align Fuel Oil (FO) purifiers
E4	CORE	Align Fuel Oil (FO) service system components (e.g., filters, pumps, valves, etc.)
E4	NON-CORE	Align Fuel Oil (FO) transfer systems
E4	CORE	Align heat exchangers
E4	NON-CORE	Align JP-5 systems
E4	CORE	Align Low Pressure Air Compressors (LPAC)
E4	CORE	Align Low Pressure Air Dehydrators (LPAD)
E4	CORE	Align Oil Pollution Abatement Systems (OPA)
E4	CORE	Align Seawater Systems (SWS)
E4	CORE	Analyze Fuel Oil (FO) samples
E4	CORE	Analyze Lube Oil (LO) samples
E4	NON-CORE	Calibrate fuel pump logics
E4	NON-CORE	Calibrate Lube Oil (LO) pump logics
E4	CORE	Conduct fluid sampling

AUXILIARY EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Conduct preventive maintenance on bleed air systems (i.e., start air, prairie, masker, anti-icing)
E4	NON-CORE	Conduct preventive maintenance on Fuel Oil (FO) transfer systems
E4	CORE	Conduct preventive maintenance on heat exchangers
E4	NON-CORE	Conduct preventive maintenance on JP-5 systems
E4	CORE	Conduct preventive maintenance on Low Pressure Air Compressors (LPAC)
E4	CORE	Conduct preventive maintenance on Low Pressure Air Dehydrators (LPAD)
E4	NON-CORE	Conduct preventive maintenance on Oil Pollution Abatement Systems (OPA)
E4	CORE	Conduct preventive maintenance on Seawater Systems (SWS)
E4	CORE	Conduct preventive maintenance on temperature regulating valves
E4	CORE	Fabricate sealing gaskets
E4	CORE	Measure fuel tank levels
E6	NON-CORE	Receive Fuel Oil (FO) from outside activities
E4	CORE	Repair bleed air systems (i.e., start air, prairie, masker, anti-icing)
E4	NON-CORE	Repair Fuel Oil (FO) purifiers
E4	NON-CORE	Repair Fuel Oil (FO) transfer systems
E4	CORE	Repair heat exchangers
E4	NON-CORE	Repair JP-5 systems
E4	CORE	Repair Low Pressure Air Compressors (LPAC)
E4	CORE	Repair Low Pressure Air Dehydrators (LPAD)
E4	NON-CORE	Repair Oil Pollution Abatement Systems (OPA)
E4	CORE	Repair Seawater Systems (SWS)
E4	CORE	Repair temperature regulating valves
E4	CORE	Replace auxiliary Lube Oil (LO) filters
E4	CORE	Replace Fuel Oil (FO) pre-filter components
E4	CORE	Troubleshoot bleed air systems (i.e., start air, prairie, masker, anti-icing)
E4	NON-CORE	Troubleshoot Fuel Oil (FO) purifiers
E4	NON-CORE	Troubleshoot Fuel Oil (FO) transfer systems
E4	CORE	Troubleshoot heat exchangers
E4	NON-CORE	Troubleshoot JP-5 systems
E4	CORE	Troubleshoot Low Pressure Air Compressors (LPAC)
E4	CORE	Troubleshoot Low Pressure Air Dehydrators (LPAD)
E4	NON-CORE	Troubleshoot Oil Pollution Abatement Systems (OPA)
E4	CORE	Troubleshoot oily waste systems
E4	CORE	Troubleshoot Seawater Systems (SWS)
E4	CORE	Troubleshoot temperature regulating valves
E4	NON-CORE	Troubleshoot waste oil systems

GAS TURBINE

Paygrade	Task Type	Task Statements
E4	CORE	Align Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) support systems (e.g., Lube Oil (LO) system components, water wash systems, fuel systems, etc.)
E4	CORE	Align Gas Turbine Generators (GTG) locally and remotely
E4	CORE	Align High Pressure (HP) start air systems
E5	CORE	Conduct borescope inspection on Gas Turbine Engine (GTE)/Gas Turbine Generators (GTG)
E4	CORE	Conduct Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) pre-operational checks
E4	CORE	Conduct preventive maintenance on Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) assembly components
E4	CORE	Conduct preventive maintenance on Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) base enclosures
E4	CORE	Conduct preventive maintenance on Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) fuel systems
E4	CORE	Conduct preventive maintenance on Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) inlet and exhaust systems
E4	CORE	Conduct preventive maintenance on Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) Lube Oil (LO) system components
E4	CORE	Conduct preventive maintenance on Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) water wash systems
E4	CORE	Conduct preventive maintenance on Gas Turbine Generators (GTG)
E4	CORE	Conduct preventive maintenance on Gas Turbine Main (GTM)
E4	CORE	Conduct preventive maintenance on Gas Turbine Main (GTM) power turbine brakes
E4	CORE	Inspect gas turbine modules
E4	CORE	Inspect shock mounts (i.e., Gas Turbine Main (GTM), Gas Turbine Generator (GTG))
E4	CORE	Repair Gas Turbine Engine (GTE) /Gas Turbine Generator (GTG) water wash systems
E4	CORE	Repair Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) assembly components
E4	CORE	Repair Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) base enclosures
E5	CORE	Repair Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) combustion chamber components
E4	CORE	Repair Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) fuel systems
E4	CORE	Repair Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) inlet and exhaust systems
E4	CORE	Repair Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) Lube Oil (LO) system components
E5	CORE	Repair Gas Turbine Generators (GTG)
E5	CORE	Repair Gas Turbine Main (GTM)

GAS TURBINE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair Gas Turbine Main (GTM) power turbine brakes
E4	CORE	Repair High Pressure (HP) start air systems
E4	CORE	Troubleshoot Gas Turbine Engine (GTE) /Gas Turbine Generator (GTG) assembly components
E4	CORE	Troubleshoot Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) base enclosures
E5	CORE	Troubleshoot Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) combustion chamber components
E4	CORE	Troubleshoot Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) fuel systems
E4	CORE	Troubleshoot Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) Lube Oil (LO) system components
E4	CORE	Troubleshoot Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) water wash systems
E5	CORE	Troubleshoot Gas Turbine Generators (GTG)
E5	CORE	Troubleshoot Gas Turbine Main (GTM)
E5	CORE	Troubleshoot Gas Turbine Main (GTM) power turbine brakes
E4	CORE	Troubleshoot High Pressure (HP) start air systems

MAIN PROPULSION

Paygrade	Task Type	Task Statements
E4	CORE	Align Controllable Pitch Propeller (CPP) or Controllable Reversible Pitch (CRP) systems
E4	CORE	Align jacking or turning gears
E4	CORE	Align Lube Oil (LO) purifiers
E4	CORE	Align main Lube Oil (LO) service system components (e.g., filters, pumps, valves, etc.)
E4	CORE	Conduct main engine room console operations (i.e., Shaft Control Unit (SCU)/ Universal Control Console (UCC)/Propulsion Local Control Console (PLCC) operations)
E4	CORE	Conduct preventive maintenance on Controllable Pitch Propeller (CPP) or Controllable Reversible Pitch (CRP) systems
E4	CORE	Conduct preventive maintenance on Fuel Oil (FO) service system components (e.g., filters, pumps, valves, etc.)
E5	CORE	Conduct preventive maintenance on jacking or turning gears
E4	CORE	Conduct preventive maintenance on Lube Oil (LO) service system components (e.g., filters, pumps, valves, etc.)
E5	CORE	Conduct preventive maintenance on Main Reduction Gears (MRG)
E5	CORE	Conduct preventive maintenance on shafting/bearing components
E5	CORE	Conduct Propulsion and Auxiliary Control Console (PACC) operations
E5	CORE	Repair Controllable Pitch Propeller (CPP) or Controllable Reversible Pitch (CRP) systems

MAIN PROPULSION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair Fuel Oil (FO) service system components (e.g., filters, pumps, valves, etc.)
E5	CORE	Repair jacking or turning gears
E4	CORE	Repair Lube Oil (LO) purifiers
E4	CORE	Repair Lube Oil (LO) service system components (e.g., filters, pumps, valves, etc.)
E4	CORE	Repair main Lube Oil (LO) service systems
E5	CORE	Repair Main Reduction Gear (MRG) external components
E4	CORE	Repair Main Reduction Gear (MRG) Lube Oil (LO) pumps
E5	CORE	Repair shafting/bearing components
E5	CORE	Troubleshoot Controllable Pitch Propeller (CPP) or Controllable Reversible Pitch (CRP) systems
E4	CORE	Troubleshoot Fuel Oil (FO) service system components (e.g., filters, pumps, valves, etc.)
E5	CORE	Troubleshoot jacking or turning gears
E4	CORE	Troubleshoot Lube Oil (LO) purifiers
E4	CORE	Troubleshoot Lube Oil (LO) service system components (e.g., filters, pumps, valves, etc.)
E4	CORE	Troubleshoot main Lube Oil (LO) service systems
E5	CORE	Troubleshoot Main Reduction Gears (MRG)
E5	CORE	Troubleshoot shafting/bearing components

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Annotate operating equipment logs
E6	CORE	Calculate fuel load requirements
E6	CORE	Calculate Lube Oil (LO) load requirements
E6	NON-CORE	Maintain Fuel Oil Quality Management (FOQM) programs
E6	NON-CORE	Maintain Lube Oil Quality Management (LOQM) programs
E6	CORE	Maintain Marine Gas Turbine Service Records (MGTSR)
E6	NON-CORE	Maintain Oily Waste Management (OWM) programs
E6	CORE	Maintain operating logs
E6	CORE	Manage bearing logs
E6	CORE	Manage Engineering Operational Sequencing System (EOSS) programs
E7	CORE	Manage Marine Gas Turbine Equipment Service Records (MGTESR)
E6	CORE	Prepare engineering Quality Assurance (QA) packages
E7	CORE	Prepare ship-wide full power and economy trials
E4	CORE	Record dry bulb temperature readings
E4	CORE	Record operating equipment logs
E6	CORE	Review equipment operating logs

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Update fuel and water reports
E4	NON-CORE	Update fuel logs
E4	CORE	Update Lube Oil (LO) logs
E4	CORE	Validate Engineering Operational Sequencing System (EOSS) publications changes
E6	CORE	Validate engineering Quality Assurance (QA) packages
E6	CORE	Verify engineering bulletins and changes
E6	NON-CORE	Verify fuel and water reports
E7	NON-CORE	Verify fuel logs
E7	CORE	Verify Lube Oil (LO) logs

Job Title **Job Code**

Gas Turbine Mechanical Systems Maintainer 003698

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	GAS TURBINE M SYSTEM MAINT	GT MECH MAINT

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	GSM	NEC UXXX and 7XXX series and other NECs as assigned

Job Description

Gas Turbine Mechanical Systems Maintainers maintain and operate Ship's Service Gas Turbine Generators (SSGTG) and support systems; maintain Controllable Reversible/Pitch Propeller (CRP/CPP) systems; operate propulsion plant controls and main propulsion equipment, pumps, turning gears, air compressors, oil purification systems, Low Pressure Air Dehydrators (LPAD), and engineering control systems; utilize blueprints, schematics, and charts to maintain and repair Gas Turbine Engines (GTE) and auxiliary equipment; perform preventative maintenance on ship's fuel systems and air systems, Sea Water Service Systems (SWSS), waste drain systems, oil purification systems, and manually-operated valves; perform work area inspections; operate standard test equipment; test lubricating oil and distillate fuels for contamination, neutralization, and precipitation; conduct engine checks to verify performance and replace and/or adjust operating tolerance of contacts, micro-switches, relay switches, pressure switches and temperature switches; perform administrative procedures related to gas turbine propulsion system operation and maintenance; and work under the supervision of a Gas Turbine Mechanical Systems Technician while learning the trade or skill.

DoD Relationship

Group Title	*DoD Code*
Auxiliaries	165200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Power Plant Operators	51-8013.00	Production

Skills	Abilities
Quality Control Analysis	*Problem Sensitivity*
Complex Problem Solving	*Manual Dexterity*
Repairing	*Deductive Reasoning*
Equipment Maintenance	*Written Comprehension*
Reading Comprehension	*Inductive Reasoning*
Operation and Control	*Information Ordering*
Active Learning	*Selective Attention*
Troubleshooting	*Written Expression*
Critical Thinking	*Visualization*
Operation Monitoring	*Control Precision*

AUXILIARY EQUIPMENT

Paygrade	Task Type	Task Statements
E4	CORE	Align bleed air systems (i.e., start air, prairie, masker, anti-icing)
E4	NON-CORE	Align Fuel Oil (FO) purifiers
E4	CORE	Align Fuel Oil (FO) service system components (e.g., filters, pumps, valves, etc.)
E4	NON-CORE	Align Fuel Oil (FO) transfer systems
E4	CORE	Align heat exchangers
E4	NON-CORE	Align JP-5 systems
E4	CORE	Align Low Pressure Air Compressors (LPAC)
E4	CORE	Align Low Pressure Air Dehydrators (LPAD)
E4	CORE	Align Oil Pollution Abatement Systems (OPA)
E4	NON-CORE	Align seawater compensating systems
E4	CORE	Align Seawater Systems (SWS)
E4	CORE	Analyze Fuel Oil (FO) samples
E4	CORE	Analyze Lube Oil (LO) samples
E4	NON-CORE	Calibrate fuel pump logics

AUXILIARY EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Calibrate Lube Oil (LO) pump logics
E4	CORE	Conduct fluid sampling
E4	CORE	Conduct preventive maintenance on bleed air systems (i.e., start air, prairie, masker, anti-icing)
E4	NON-CORE	Conduct preventive maintenance on Fuel Oil (FO) transfer systems
E4	CORE	Conduct preventive maintenance on heat exchangers
E4	NON-CORE	Conduct preventive maintenance on JP-5 systems
E4	CORE	Conduct preventive maintenance on Low Pressure Air Compressors (LPAC)
E4	CORE	Conduct preventive maintenance on Low Pressure Air Dehydrators (LPAD)
E4	NON-CORE	Conduct preventive maintenance on Oil Pollution Abatement Systems (OPA)
E4	CORE	Conduct preventive maintenance on Seawater Systems (SWS)
E4	CORE	Conduct preventive maintenance on temperature regulating valves
E4	CORE	Fabricate sealing gaskets
E4	CORE	Measure fuel tank levels
E4	CORE	Repair bleed air systems (i.e., start air, prairie, masker, anti-icing)
E4	NON-CORE	Repair Fuel Oil (FO) purifiers
E4	NON-CORE	Repair Fuel Oil (FO) transfer systems
E4	CORE	Repair heat exchangers
E4	NON-CORE	Repair JP-5 systems
E4	CORE	Repair Low Pressure Air Compressors (LPAC)
E4	CORE	Repair Low Pressure Air Dehydrators (LPAD)
E4	NON-CORE	Repair Oil Pollution Abatement Systems (OPA)
E4	NON-CORE	Repair seawater compensating systems
E4	CORE	Repair Seawater Systems (SWS)
E4	CORE	Repair temperature regulating valves
E4	CORE	Replace auxiliary Lube Oil (LO) filters
E4	CORE	Replace Fuel Oil (FO) pre-filter components
E4	CORE	Troubleshoot bleed air systems (i.e., start air, prairie, masker, anti-icing)
E4	NON-CORE	Troubleshoot Fuel Oil (FO) purifiers
E4	NON-CORE	Troubleshoot Fuel Oil (FO) transfer systems
E4	CORE	Troubleshoot heat exchangers
E4	NON-CORE	Troubleshoot JP-5 systems
E4	CORE	Troubleshoot Low Pressure Air Compressors (LPAC)
E4	CORE	Troubleshoot Low Pressure Air Dehydrators (LPAD)
E4	NON-CORE	Troubleshoot Oil Pollution Abatement Systems (OPA)
E4	CORE	Troubleshoot oily waste systems
E4	NON-CORE	Troubleshoot seawater compensating systems
E4	CORE	Troubleshoot Seawater Systems (SWS)

AUXILIARY EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot temperature regulating valves
E4	NON-CORE	Troubleshoot waste oil systems

GAS TURBINE

Paygrade	Task Type	Task Statements
E4	CORE	Align Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) support systems (e.g., Lube Oil (LO) system components, water wash systems, fuel systems, etc.)
E4	CORE	Align Gas Turbine Generators (GTG) locally and remotely
E4	CORE	Align High Pressure (HP) start air systems
E5	CORE	Conduct borescope inspection on Gas Turbine Engine (GTE)/Gas Turbine Generators (GTG)
E4	CORE	Conduct Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) pre-operational checks
E4	CORE	Conduct preventive maintenance on Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) assembly components
E4	CORE	Conduct preventive maintenance on Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) base enclosures
E4	CORE	Conduct preventive maintenance on Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) fuel systems
E4	CORE	Conduct preventive maintenance on Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) inlet and exhaust systems
E4	CORE	Conduct preventive maintenance on Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) Lube Oil (LO) system components
E4	CORE	Conduct preventive maintenance on Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) water wash systems
E4	CORE	Conduct preventive maintenance on Gas Turbine Generators (GTG)
E4	CORE	Conduct preventive maintenance on Gas Turbine Main (GTM)
E4	CORE	Conduct preventive maintenance on Gas Turbine Main (GTM) power turbine brakes
E4	CORE	Inspect gas turbine modules
E4	CORE	Inspect shock mounts (i.e., Gas Turbine Main (GTM), Gas Turbine Generator (GTG))
E4	CORE	Repair Gas Turbine Engine (GTE) /Gas Turbine Generator (GTG) water wash systems
E4	CORE	Repair Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) assembly components
E4	CORE	Repair Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) base enclosures
E5	CORE	Repair Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) combustion chamber components
E4	CORE	Repair Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) fuel systems

GAS TURBINE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) inlet and exhaust systems
E4	CORE	Repair Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) Lube Oil (LO) system components
E5	CORE	Repair Gas Turbine Generators (GTG)
E5	CORE	Repair Gas Turbine Main (GTM)
E4	CORE	Repair Gas Turbine Main (GTM) power turbine brakes
E4	CORE	Repair High Pressure (HP) start air systems
E4	CORE	Troubleshoot Gas Turbine Engine (GTE) /Gas Turbine Generator (GTG) assembly components
E4	CORE	Troubleshoot Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) base enclosures
E5	CORE	Troubleshoot Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) combustion chamber components
E4	CORE	Troubleshoot Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) fuel systems
E4	CORE	Troubleshoot Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) Lube Oil (LO) system components
E4	CORE	Troubleshoot Gas Turbine Engine (GTE)/Gas Turbine Generator (GTG) water wash systems
E5	CORE	Troubleshoot Gas Turbine Main (GTM)
E5	CORE	Troubleshoot Gas Turbine Main (GTM) power turbine brakes
E4	CORE	Troubleshoot High Pressure (HP) start air systems

MAIN PROPULSION

Paygrade	Task Type	Task Statements
E4	CORE	Align Controllable Pitch Propeller (CPP) or Controllable Reversible Pitch (CRP) systems
E4	CORE	Align jacking or turning gears
E4	CORE	Align Lube Oil (LO) purifiers
E4	CORE	Align main Lube Oil (LO) service system components (e.g., filters, pumps, valves, etc.)
E4	CORE	Conduct main engine room console operations (i.e., Shaft Control Unit (SCU)/ Universal Control Console (UCC)/Propulsion Local Control Console (PLCC) operations)
E4	CORE	Conduct preventive maintenance on Controllable Pitch Propeller (CPP) or Controllable Reversible Pitch (CRP) systems
E4	CORE	Conduct preventive maintenance on Fuel Oil (FO) service system components (e.g., filters, pumps, valves, etc.)
E5	CORE	Conduct preventive maintenance on jacking or turning gears
E4	CORE	Conduct preventive maintenance on Lube Oil (LO) service system components (e.g., filters, pumps, valves, etc.)
E5	CORE	Conduct preventive maintenance on Main Reduction Gears (MRG)

MAIN PROPULSION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Conduct preventive maintenance on shafting/bearing components
E5	CORE	Repair Controllable Pitch Propeller (CPP) or Controllable Reversible Pitch (CRP) systems
E4	CORE	Repair Fuel Oil (FO) service system components (e.g., filters, pumps, valves, etc.)
E5	CORE	Repair jacking or turning gears
E4	CORE	Repair Lube Oil (LO) purifiers
E4	CORE	Repair Lube Oil (LO) service system components (e.g., filters, pumps, valves, etc.)
E4	CORE	Repair main Lube Oil (LO) service systems
E5	CORE	Repair Main Reduction Gear (MRG) external components
E4	CORE	Repair Main Reduction Gear (MRG) Lube Oil (LO) pumps
E5	CORE	Troubleshoot Controllable Pitch Propeller (CPP) or Controllable Reversible Pitch (CRP) systems
E4	CORE	Troubleshoot Fuel Oil (FO) service system components (e.g., filters, pumps, valves, etc.)
E5	CORE	Troubleshoot jacking or turning gears
E4	CORE	Troubleshoot Lube Oil (LO) purifiers
E4	CORE	Troubleshoot Lube Oil (LO) service system components (e.g., filters, pumps, valves, etc.)
E4	CORE	Troubleshoot main Lube Oil (LO) service systems
E5	CORE	Troubleshoot Main Reduction Gears (MRG)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Annotate operating equipment logs
E6	CORE	Prepare engineering Quality Assurance (QA) packages
E4	CORE	Record dry bulb temperature readings
E4	CORE	Record operating equipment logs
E4	NON-CORE	Update fuel and water reports
E4	NON-CORE	Update fuel logs
E4	CORE	Update Lube Oil (LO) logs
E4	CORE	Validate Engineering Operational Sequencing System (EOSS) publications changes

CHAPTER 40

HOSPITAL CORPSMAN
(HM)

NAVPERS 18068F- 40G
Change 100

Updated: October 2024

HOSPITAL CORPSMAN (HM)
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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

HOSPITAL CORPSMAN (HM)

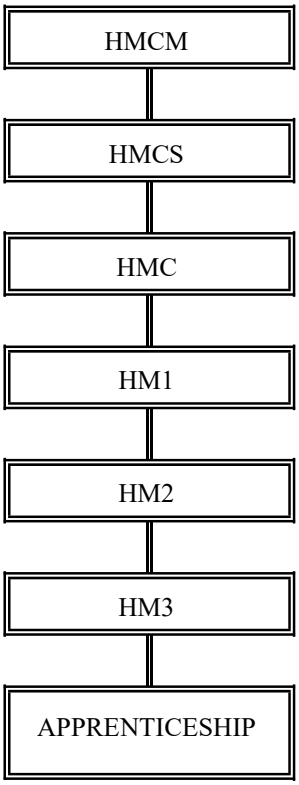
SCOPE OF RATING

Hospital Corpsmen (HM) serve ashore and afloat and with Marine Corps and Joint Services; assist in the prevention and treatment of disease, disability, and injury using medical aid and preventive medicine procedures; assist in the prevention and treatment of dental conditions; assist with physical examinations; provide patient care and assist in the administration of medicinal and parenteral solutions; perform general laboratory, pharmacy, and other patient support services; assist in the administrative supply and accounting procedures within medical departments; serve as sole medical personnel or battlefield Corpsman while assigned to field/operational units; perform Tactical Combat Casualty Care (TCCC); instruct medical and non-medical personnel in medical aid, self-aid, personal hygiene, and health records maintenance; assist in the transportation of the sick and injured; provide assistance in the maintenance of environmental and occupational health standards; assist in the prevention and treatment of Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) casualties and other contingencies; perform specialized functions within the operational forces, clinical specialties, and administrative departments and may be assigned independent of a Medical provider; and perform supervisory, technical, planning, and management functions in support of medical readiness and quality healthcare delivery.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 40.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Hospital Corpsman Basic

Job Code

001255

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Healthcare Practitioners and Technical	TBD	HOSPITAL CORPSMAN BASIC	CORPSMAN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	HM	NEC LXXX and 7XXX series and other NECs as assigned

Job Description

Hospital Corpsmen Basic serve ashore and afloat and with Marine Corps and Joint Services; assist in the prevention and treatment of disease, disability, and injury using medical aid and preventive medicine procedures; assist in the prevention and treatment of dental conditions; assist with physical examinations; provide patient care and assist in the administration of medicinal and parenteral solutions; perform general laboratory, pharmacy, and other patient support services; assist in the administrative supply and accounting procedures within medical departments; serve as sole medical personnel or battlefield Corpsman while assigned to field/operational units; perform Tactical Combat Casualty Care (TCCC); instruct medical and non-medical personnel in medical aid, self-aid, personal hygiene, and health records maintenance; assist in the transportation of the sick and injured; provide assistance in the maintenance of environmental and occupational health standards; assist in the prevention and treatment of Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) casualties and other contingencies; and may be assigned independent of a Medical provider.

DoD Relationship

Group Title	*DoD Code*
Medical Care and Treatment, General	130000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Emergency Medical Technicians	29-2042.00	Healthcare Practitioners and Technical

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Complex Problem Solving	*Manual Dexterity*
Judgment and Decision Making	*Information Ordering*
Equipment Selection	*Problem Sensitivity*
Management of Material Resources	*Oral Expression*
Writing	*Inductive Reasoning*
Monitoring	*Speed of Closure*
Operation and Control	*Finger Dexterity*
Coordination	*Written Expression*
Speaking	*Written Comprehension*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Advise beneficiaries on Primary Care Manager (PCM) selection process
E4	CORE	Advise patients on Health Insurance Portability and Accountability Act (HIPAA)
E6	CORE	Approve clinical schedules
E5	CORE	Audit annual verifications of medical and dental records
E5	CORE	Conduct medical and dental organizational performance improvement programs
E7	CORE	Coordinate health services support manpower requirements fulfillments
E6	CORE	Coordinate medical and dental organizational performance improvement programs
E4	CORE	Document patient dispositions (e.g., no duty, light duty, full duty, etc.)
E5	CORE	Draft clinical schedules
E6	CORE	Enforce Health Insurance Portability and Accountability Act (HIPAA) compliance
E4	CORE	Enforce institutional standards of care by platform (e.g., The Joint Commission (TJC), Medical Inspector General (MEDIG), etc.)
E6	CORE	Evaluate health services Quality Assurance (QA) programs
E5	CORE	Maintain clinical schedules
E5	CORE	Manage aid stations
E5	CORE	Manage health services Quality Assurance (QA) programs

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage medical and dental organizational performance improvement programs
E4	CORE	Manage medical and dental records
E4	CORE	Perform annual verifications of medical and dental records
E6	CORE	Prepare decedent affairs messages
E4	CORE	Prepare medical and dental reports
E4	CORE	Prepare monthly morbidity reports
E4	CORE	Process consultation forms
E4	CORE	Provide birth certificate data
E4	CORE	Provide death certificate data
E7	CORE	Review decedent affairs messages for accuracy
E7	CORE	Submit casualty estimates
E7	CORE	Submit medical and dental intelligence reports
E7	CORE	Submit monthly morbidity reports
E6	CORE	Validate monthly morbidity reports
E7	CORE	Validate occupational records (e.g., pest control, water testing, laboratory logs, etc.)
E5	CORE	Verify healthcare professionals' certifications (e.g., Basic Life Support (BLS), Tactical Combat Casualty Care (TCCC), Hospital Corpsman Skills Basic (HMSB), etc.)
E6	CORE	Verify medical and dental documents for Quality Assurance (QA)

CLINICAL SUPPORT SERVICES

Paygrade	Task Type	Task Statements
E4	NON-CORE	Assist with clinical imaging
E4	CORE	Assist with walking blood bank (WBB) procedures
E4	CORE	Dispense medications (e.g., mechanical, manual, etc.)
E4	CORE	Document laboratory test results
E4	CORE	Interpret laboratory test results
E4	CORE	Perform basic laboratory tests (e.g., waived testing, point-of-care testing (POCT), etc.)
E4	CORE	Prepare laboratory test request forms
E4	CORE	Reconstitute medications and vaccines for administration
E4	CORE	Report abnormal laboratory test results
E4	CORE	Verify laboratory test request forms

EMERGENCY, FIELD, AND OPERATIONAL TREATMENT

Paygrade	Task Type	Task Statements
E4	CORE	Administer intraosseous (IO) infusions (e.g., fluids, medications, etc.)
E4	CORE	Apply occlusive dressings
E4	CORE	Apply patient restraints
E4	CORE	Apply tourniquets
E4	CORE	Assess Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) contaminated patients
E4	CORE	Assess cold casualties

EMERGENCY, FIELD, AND OPERATIONAL TREATMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Assess heat casualties
E4	CORE	Assess patients for abdominal injuries
E4	CORE	Assess patients for burns (e.g., thermal, chemical, electrical, light, radiological, etc.)
E4	CORE	Assess patients for cardiovascular (CV) system emergencies
E4	CORE	Assess patients for constitutional emergencies (e.g., high fever)
E4	CORE	Assess patients for dental emergencies
E4	CORE	Assess patients for endocrine system emergencies
E4	NON-CORE	Assess patients for envenomations
E4	CORE	Assess patients for external hemorrhages
E4	CORE	Assess patients for gastrointestinal (GI) system emergencies
E4	CORE	Assess patients for genitourinary (GU) system emergencies
E4	CORE	Assess patients for head, eyes, ears, nose, and throat (HEENT) emergencies
E4	CORE	Assess patients for hematologic system, lymphatic system, and immune system/allergy emergencies (e.g., anaphylaxis)
E4	CORE	Assess patients for human and animal bites
E4	CORE	Assess patients for integumentary system (i.e., dermatologic) emergencies
E4	CORE	Assess patients for internal hemorrhages
E4	CORE	Assess patients for intoxications, poisonings, and hazardous material exposures
E4	CORE	Assess patients for mental health emergencies (e.g., threat to self or others)
E4	CORE	Assess patients for musculoskeletal (MSK) system emergencies
E4	CORE	Assess patients for nervous system emergencies (e.g., traumatic brain injuries (TBI), seizures, etc.)
E4	CORE	Assess patients for respiratory system emergencies
E4	CORE	Assess patients for shock
E4	CORE	Assess placements of tourniquets
E4	CORE	Assess scene safety and Situational Awareness (SA)
E4	CORE	Assist triage officers during Approvualty incidents (MCI)
E4	CORE	Assist with childbirth procedures
E4	CORE	Conduct quarantine protocols (e.g., ships, stations, units, personnel, etc.)
E4	CORE	Coordinate medical evacuations (e.g., urgent, priority, routine, etc.)
E7	CORE	Delineate mass casualty protocols
E7	CORE	Delineate quarantine protocols (e.g., ships, stations, units, personnel, etc.)
E4	CORE	Direct personnel in tactical triage procedures
E7	CORE	Disseminate quarantine protocols (e.g., ships, stations, units, personnel, etc.) and information
E4	CORE	Document medical and dental emergencies
E4	NON-CORE	Establish chest tube thoracostomies (TT)
E4	CORE	Establish patent airways (e.g., head tilt-chin lift, jaw-thrust, etc.)
E4	CORE	Establish surgical airways (i.e., cricothyrotomies)
E4	CORE	Execute medical evacuations (e.g., urgent, priority, routine, etc.)

EMERGENCY, FIELD, AND OPERATIONAL TREATMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Identify human remains
E6	CORE	Initiate quarantine protocols (e.g., ships, stations, units, personnel, etc.)
E4	CORE	Insert airway adjuncts (i.e., oropharyngeal airways (OPA) and nasopharyngeal airways (NPA))
E4	CORE	Insert artificial airways (e.g., endotracheal tubes (ETT), laryngeal mask airways (LMA), etc.)
E5	CORE	Inspect battle dressing stations (BDS)
E4	CORE	Maintain patent airways (e.g., head tilt-chin lift, jaw-thrust, etc.)
E4	CORE	Manage battle dressing stations (BDS)
E4	CORE	Perform blood transfusions
E4	CORE	Perform emergency field diagnostic tests (e.g., halo sign tests, digital rectal exams (DRE), etc.)
E4	CORE	Perform healthcare provider Basic Life Support (BLS)
E4	CORE	Perform needle decompressions
E4	CORE	Perform patient movement techniques (i.e., lifts, carries, and drags)
E4	CORE	Perform tactical triage procedures
E6	CORE	Plan mass casualty protocols
E6	CORE	Plan quarantine protocols (e.g., ships, stations, units, personnel, etc.)
E4	CORE	Remove patient restraints
E4	CORE	Remove superficial foreign bodies
E4	CORE	Submit casualty evacuation turnover reports
E4	CORE	Transport patients via patient carrying devices (e.g., litters, stretchers, sleds, stair chairs, etc.)
E4	CORE	Treat Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) contaminated patients
E4	CORE	Treat cold casualties
E4	CORE	Treat heat casualties
E4	CORE	Treat patients for burns (e.g., thermal, chemical, electrical, light, radiological, etc.)
E4	CORE	Treat patients for cardiovascular (CV) system emergencies
E4	CORE	Treat patients for constitutional emergencies (e.g., high fever)
E4	CORE	Treat patients for dental emergencies (e.g., dental first aid)
E4	CORE	Treat patients for endocrine system emergencies
E4	NON-CORE	Treat patients for envenomations
E4	CORE	Treat patients for external hemorrhages
E4	CORE	Treat patients for gastrointestinal (GI) system emergencies
E4	CORE	Treat patients for genitourinary (GU) system emergencies
E4	CORE	Treat patients for head, eyes, ears, nose, and throat (HEENT) emergencies
E4	CORE	Treat patients for hematologic system, lymphatic system, and immune system/allergy emergencies (e.g., anaphylaxis)
E4	CORE	Treat patients for human and animal bites
E4	CORE	Treat patients for integumentary system (i.e., dermatologic) emergencies

EMERGENCY, FIELD, AND OPERATIONAL TREATMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Treat patients for internal hemorrhages (e.g., junctional tourniquets, pelvic binders, etc.)
E4	CORE	Treat patients for intoxications, poisonings, and hazardous material exposures
E4	CORE	Treat patients for mental health emergencies (e.g., de-escalate emotionally unstable patients)
E4	CORE	Treat patients for musculoskeletal (MSK) system emergencies
E4	CORE	Treat patients for nervous system emergencies (e.g., traumatic brain injuries (TBI), seizures, etc.)
E4	CORE	Treat patients for respiratory system emergencies
E4	CORE	Treat patients for shock

LOGISTICS

Paygrade	Task Type	Task Statements
E7	CORE	Approve medical evacuation protocol plans (e.g., urgent, priority, routine, etc.)
E6	CORE	Assist in coordination of joint medical operational plans
E6	CORE	Assist in drafting joint medical operational plans
E7	CORE	Conduct Area of Operations (AO) medical familiarization tours
E6	CORE	Conduct site surveys of medical infrastructure (e.g., emergency medical systems (EMS), hospitals, detention centers, etc.)
E7	CORE	Coordinate health services support elements
E7	CORE	Coordinate health services support logistics
E7	CORE	Coordinate joint medical operational plans
E6	CORE	Coordinate staging and prepositioning of medical and dental equipment and supplies
E6	CORE	Develop disaster and contingency plans
E4	CORE	Dispose of medical and dental consumables
E4	CORE	Dispose of medications
E7	CORE	Draft joint medical operational plans
E7	CORE	Draft joint medical operational readiness plans
E5	CORE	Inspect authorized medical allowance list (AMAL) and authorized dental allowance list (ADAL) inventories
E4	CORE	Inspect decontamination stations
E4	CORE	Inspect medical and dental equipment
E6	CORE	Inventory controlled substances
E4	CORE	Inventory decontamination stations
E4	CORE	Inventory medical and dental equipment and supplies (e.g., authorized medical allowance list (AMAL), authorized dental allowance list (ADAL), medical kits, etc.)
E4	CORE	Manage medical and dental equipment and supplies (e.g., authorized medical allowance list (AMAL), authorized dental allowance list (ADAL), medical kits, etc.)
E4	CORE	Perform preventive maintenance on medical and dental equipment
E4	CORE	Perform user-level repair on medical and dental equipment
E6	CORE	Plan medical evacuation protocols (e.g., urgent, priority, routine, etc.)
E4	CORE	Prepare accident and injury (A&I) reports
E6	CORE	Prepare medical and dental materiel readiness postures and conditions reports

LOGISTICS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Prepare Navy Medicine Augmentation Program (NMAP) requests
E4	CORE	Prepare sick and injured (S&I) reports
E4	CORE	Report corrective maintenance needs for medical and dental equipment
E6	CORE	Report operational ineffectiveness
E7	CORE	Report site surveys of medical infrastructure (e.g., emergency medical systems (EMS), hospitals, detention centers, etc.)
E4	CORE	Stock medical and dental equipment and supplies (e.g., authorized medical allowance list (AMAL), authorized dental allowance list (ADAL), medical kits, etc.)
E6	CORE	Submit accident and injury (A&I) reports
E6	CORE	Submit sick and injured (S&I) reports
E4	CORE	Test medical and dental equipment
E4	CORE	Troubleshoot medical and dental equipment
E7	CORE	Validate disaster and contingency plans
E7	CORE	Validate joint medical operational plans
E7	CORE	Validate medical and dental materiel readiness postures and conditions reports
E7	CORE	Validate operational ineffectiveness reports
E7	CORE	Validate staging and prepositioning of medical and dental equipment and supplies

PATIENT CARE

Paygrade	Task Type	Task Statements
E4	CORE	Acquire patient data (e.g., past medical history, history of present illness, etc.)
E4	CORE	Administer buccal medications
E4	CORE	Administer immersion therapies
E4	CORE	Administer inhalation and nebulization medications and therapies
E4	CORE	Administer intradermal (ID) injections and skin tests
E4	CORE	Administer intramuscular (IM) injections
E4	CORE	Administer intravenous (IV) injections
E4	CORE	Administer intravenous (IV) medications and therapies
E4	CORE	Administer local anesthesia
E4	CORE	Administer nasal medications and therapies
E4	CORE	Administer nasogastric (NG) tube, orogastric (OG) tube, gastric (G) tube, and jejunostomy (J) tube medications and therapies
E4	CORE	Administer ocular medications and therapies (i.e., ophthalmic)
E4	CORE	Administer oral medications and therapies
E4	CORE	Administer otic medications and therapies
E4	CORE	Administer rectal medications and therapies
E4	CORE	Administer subcutaneous (SC) injections
E4	CORE	Administer sublingual (SL) medications
E4	CORE	Administer topical medications and therapies
E4	CORE	Administer transdermal medications and therapies
E4	CORE	Administer vaginal medications and therapies

PATIENT CARE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Advise patients on ethical issues (e.g., pregnancy, informed consent, confidentiality, end of life care, etc.)
E7	CORE	Advise patients on medico-legal issues
E4	CORE	Advocate for patient healthcare needs
E4	CORE	Aid patients in activities of daily living (ADL)
E4	CORE	Analyze patient charts for continuity of care
E4	CORE	Analyze patient data (e.g., past medical history, history of present illness, etc.)
E4	CORE	Apply orthopedic/musculoskeletal (MSK) devices
E4	CORE	Assess airways
E4	CORE	Assess general appearance of patients
E4	CORE	Assess intradermal (ID) skin tests
E4	CORE	Assess objective vital sign trends (i.e., heart rate (HR), respiratory rate (RR), blood pressure (BP), temperature, and oxygen saturation (SpO2))
E4	CORE	Assess patients and medications for contraindications
E4	CORE	Assess patients for constitutional symptoms (e.g., exhaustion, malaise, weight loss, etc.)
E4	CORE	Assess patients for medication and vaccination side effects, adverse events, and interactions
E4	CORE	Assess patients for pain
E4	CORE	Assess patients for side effects and adverse events to treatments and procedures
E4	CORE	Assist in performing incision and drainage (I&D) procedures
E4	CORE	Assist in treating cardiovascular (CV) system abnormalities
E4	CORE	Assist in treating communicable diseases
E4	CORE	Assist in treating endocrine system abnormalities
E4	CORE	Assist in treating gastrointestinal (GI) system abnormalities
E4	CORE	Assist in treating genitourinary (GU) system abnormalities
E4	CORE	Assist in treating head, eyes, ears, nose, and throat (HEENT) abnormalities
E4	CORE	Assist in treating hematologic system, lymphatic system, and immune system/allergy abnormalities
E4	CORE	Assist in treating integumentary system (i.e., dermatologic) abnormalities
E4	CORE	Assist in treating mental health issues
E4	CORE	Assist in treating musculoskeletal (MSK) system abnormalities
E4	CORE	Assist in treating nervous system abnormalities
E4	CORE	Assist in treating patients for constitutional symptoms (e.g., exhaustion, malaise, weight loss, etc.)
E4	CORE	Assist in treating respiratory system abnormalities
E4	CORE	Assist patients in utilization of durable medical equipment (DME)
E4	CORE	Assist patients with occupational therapy (OT)
E4	CORE	Assist patients with physical therapy (PT)
E4	CORE	Assist with the administration of implanted devices and medications (e.g., birth control)
E4	CORE	Assist with the administration of intrathecal medications

PATIENT CARE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Assist with the removal of artificial airways (e.g., endotracheal tubes (ETT), laryngeal mask airways (LMA), etc.)
E4	CORE	Calculate medication dosages
E4	CORE	Close wounds with medical adhesives, staples, and dressing materials (e.g., butterfly bandages, wound closure strips, etc.)
E4	CORE	Close wounds with sutures
E4	CORE	Communicate treatment plans to providers
E6	CORE	Conduct health benefits counselings
E4	CORE	Coordinate health services appointment requirements fulfillments
E4	CORE	Counsel patients on Privacy Act Statement
E4	CORE	Counsel patients regarding treatment plans
E4	CORE	Create patient care encounters
E4	CORE	Direct personnel in clinical triage procedures
E4	CORE	Discontinue (DC) intravenous (IV) catheters
E4	CORE	Document intradermal (ID) skin test results
E4	CORE	Document patient care
E4	CORE	Document physical examinations
E4	CORE	Draft treatment plans
E4	CORE	Educate patients on prescribed diets
E4	CORE	Educate patients on proper use of durable medical equipment (DME)
E4	CORE	Insert intravenous (IV) catheters
E4	CORE	Insert nasogastric (NG) tubes and orogastric (OG) tubes
E4	CORE	Insert non-surgical urinary catheters
E4	CORE	Isolate infectious patients
E4	CORE	Maintain artificial airways (e.g., endotracheal tubes (ETT), laryngeal mask airways (LMA), etc.)
E4	CORE	Maintain intravenous (IV) medication and therapy administrations and accesses (e.g., saline locks, site inspections, etc.)
E4	CORE	Maintain patient privacy
E4	CORE	Maintain sterile fields
E4	CORE	Maintain surgical and non-surgical urinary catheters
E4	CORE	Manage fluid intake
E4	CORE	Manage patient diet compliance
E4	CORE	Monitor fluid output
E4	CORE	Obtain laboratory test samples (e.g., urine samples, nasal swabs, etc.) and specimens (e.g., finger stick and venipuncture blood specimens)
E4	CORE	Obtain objective vital sign values (i.e., heart rate (HR), respiratory rate (RR), blood pressure (BP), temperature, and oxygen saturation (SpO2))
E4	CORE	Participate in patient rounds
E4	CORE	Perform cardiovascular (CV) system assessments
E4	CORE	Perform clinical triage procedures
E4	CORE	Perform communicable disease assessments

PATIENT CARE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform endocrine system assessments
E4	CORE	Perform gastrointestinal (GI) system assessments
E4	CORE	Perform genitourinary (GU) system assessments
E4	CORE	Perform gross hearing acuity tests
E4	CORE	Perform head, eyes, ears, nose, and throat (HEENT) assessments
E4	CORE	Perform hematologic system, lymphatic system, and immune system/allergy assessments
E4	CORE	Perform integumentary system (i.e., dermatologic) assessments
E4	CORE	Perform medication reconciliations
E4	CORE	Perform mental health assessments
E4	CORE	Perform musculoskeletal (MSK) system assessments
E4	CORE	Perform nervous system assessments
E4	CORE	Perform patient turnovers
E4	CORE	Perform physical examinations
E4	CORE	Perform post-operative care
E4	CORE	Perform pre-operative procedures
E4	CORE	Perform respiratory system assessments
E4	CORE	Perform wound inspections (e.g., infections, healing signs, etc.)
E4	CORE	Perform wound management (e.g., dressing changes, irrigation, cleaning, etc.)
E4	CORE	Prepare hospital beds
E4	CORE	Prepare patients for transport
E4	CORE	Provide discharge instructions to patients
E6	CORE	Provide formal counselings to patients on ethical issues (e.g., pregnancy, informed consent, confidentiality, end of life care, etc.)
E4	CORE	Provide healthcare-related customer service (e.g., service best practices, effective communication, problem resolutions, etc.)
E4	CORE	Remove airway adjuncts (i.e., oropharyngeal airways (OPA) and nasopharyngeal airways (NPA))
E4	CORE	Remove nasogastric (NG) tubes and orogastric (OG) tubes
E4	CORE	Remove non-surgical urinary catheters
E4	CORE	Remove orthopedic/musculoskeletal (MSK) devices
E4	CORE	Remove sutures and staples
E4	CORE	Report objective vital sign values (i.e., heart rate (HR), respiratory rate (RR), blood pressure (BP), temperature, and oxygen saturation (SpO2))
E4	CORE	Report side effects and adverse events to medications and vaccinations
E4	CORE	Report side effects and adverse events to treatments and procedures
E4	CORE	Schedule health services appointments
E4	CORE	Set up electrocardiogram (ECG/EKG) equipment
E4	CORE	Set up humidifiers
E4	CORE	Set up oxygen equipment
E4	CORE	Set up patient monitors
E4	CORE	Set up sterile fields

PATIENT CARE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Set up suction equipment
E4	CORE	Set up vaporizers
E4	CORE	Set up ventilators
E4	CORE	Suction artificial airways (e.g., endotracheal tubes (ETT), laryngeal mask airways (LMA), etc.)
E4	CORE	Suction natural airways
E4	CORE	Suction oral cavities
E4	CORE	Translate medical terminology for patients
E4	CORE	Treat non-emergent oral conditions
E4	CORE	Treat patients for pain
E4	CORE	Verify specimen and sample labels

PREVENTIVE AND OCCUPATIONAL MEDICINE

Paygrade	Task Type	Task Statements
E4	CORE	Analyze dental readiness data
E4	CORE	Analyze medical readiness data
E4	CORE	Assist others in donning and doffing surgical gowns and gloves
E4	CORE	Brief medical and dental readiness
E4	CORE	Clean sterilizers and sanitizers
E4	CORE	Collect regulated medical waste
E5	CORE	Conduct health and comfort inspections
E4	CORE	Conduct health promotions education
E5	CORE	Conduct medical workspace safety inspections
E4	CORE	Conduct preliminary interviews of personnel exposed to communicable diseases
E4	CORE	Disinfect medical and dental equipment and instruments
E4	CORE	Disinfect treatment rooms
E4	CORE	Dispose of regulated medical waste
E6	CORE	Disseminate disease alert report information
E4	CORE	Document disposal of regulated medical waste
E4	CORE	Doff sterile surgical gowns and gloves
E4	CORE	Don sterile surgical gowns and gloves
E4	CORE	Draft command medical and dental readiness plans
E4	CORE	Enforce sharps safe handling precautions
E4	CORE	Fit Personal Protective Equipment (PPE) (e.g., hearing protection devices) and occupational health equipment (e.g., respirators)
E4	CORE	Inspect food service personnel (e.g., Culinary Specialists (CS), Food Service Attendants (FSA), etc.) for personal hygiene
E4	CORE	Inspect food service personnel (e.g., Culinary Specialists (CS), Food Service Attendants (FSA), etc.) for proper food handling procedures
E4	CORE	Inspect food storage and service areas
E5	CORE	Inspect for sterilization procedure compliance
E4	NON-CORE	Inspect messing and food service facilities

PREVENTIVE AND OCCUPATIONAL MEDICINE (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Interpret disease alert reports
E4	CORE	Interpret water test results
E4	CORE	Issue Personal Protective Equipment (PPE) (e.g., hearing protection devices) and occupational health equipment (e.g., respirators)
E4	CORE	Maintain non-surgical universal precautions
E4	CORE	Maintain surgical universal precautions
E5	CORE	Manage command adherence to medical and dental readiness plans
E5	CORE	Manage medical and dental readiness database programs
E5	CORE	Manage regulated medical waste programs
E4	CORE	Organize medical workspace areas to prevent injuries
E4	CORE	Package regulated medical waste
E4	NON-CORE	Perform audiogram tests
E5	CORE	Perform habitability inspections
E4	CORE	Perform heat stress monitoring procedures
E4	CORE	Perform pest surveillance
E4	CORE	Perform preliminary investigations of foodborne illnesses
E4	CORE	Perform refrigerator and freezer temperature checks
E4	CORE	Perform standard vision tests (e.g., acuity, color, depth, etc.)
E4	CORE	Prepare heat and cold casualty reports
E4	CORE	Prepare medical and dental equipment and instruments for sterilization
E4	CORE	Process regulated medical waste
E4	CORE	Provide medical recommendations for camp layouts
E4	CORE	Record sterilization data
E4	CORE	Report water test results
E4	CORE	Sort regulated medical waste
E4	NON-CORE	Sterilize medical and dental equipment and instruments
E4	CORE	Submit heat and cold casualty reports
E5	CORE	Submit sharp instrument stick reports
E4	CORE	Test water for bacteria
E4	CORE	Test water for halogen residuals
E4	CORE	Transport regulated medical waste
E4	CORE	Update dental readiness data
E4	CORE	Update medical readiness data
E5	CORE	Validate heat and cold casualty reports

TRAINING

Paygrade	Task Type	Task Statements
E4	CORE	Conduct medical and dental training
E5	CORE	Determine medical and dental training requirements
E5	CORE	Develop medical and dental training
E6	CORE	Educate staff on ethical issues (e.g., pregnancy, informed consent, confidentiality, end of life care, etc.)

TRAINING (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Educate staff on medico-legal issues
E6	CORE	Evaluate medical and dental training
E4	CORE	Maintain departmental training jackets
E5	CORE	Manage medical and dental training programs
E5	CORE	Train medical personnel on triage procedures
E4	CORE	Train personnel on Basic Life Support (BLS) subjects
E5	CORE	Train personnel on Hospital Corpsman Skills Basic (HMSB) subjects
E4	CORE	Train personnel on Tactical Combat Casualty Care (TCCC) subjects

CHAPTER 41

HOSPITALMAN
(HN)

NAVPERS 18068F- 41C
Change 100

Updated: October 2024

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HOSPITALMAN (HN)

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NAVY ENLISTED OCCUPATIONAL STANDARDS

FOR

Hospitalman (HN)

APPRENTICESHIP

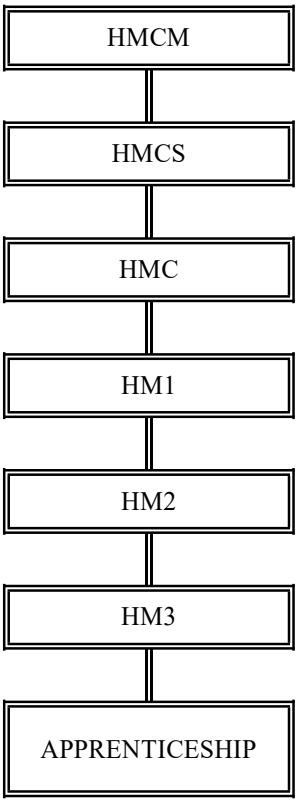
SCOPE OF RATING

Hospitalmen (HN) serve ashore and afloat and with Marine Corps and Joint Services; assist in the prevention and treatment of disease, disability, and injury using medical aid and preventive medicine procedures; assist in the prevention and treatment of dental conditions; assist with physical examinations; provide patient care and assist in the administration of medicinal and parenteral solutions; perform general laboratory, pharmacy, and other patient support services; assist in the administrative supply and accounting procedures within medical departments; serve as sole medical personnel or battlefield Corpsman while assigned to field/operational units; perform Tactical Combat Casualty Care (TCCC); instruct medical and non-medical personnel in medical aid, self-aid, personal hygiene, and health records maintenance; assist in the transportation of the sick and injured; provide assistance in the maintenance of environmental and occupational health standards; assist in the prevention and treatment of Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) casualties and other contingencies; and may be assigned independent of a Medical provider.

These Occupational Standards are to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 41.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

HOSPITALMAN

Job Code

003358

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Healthcare Practitioners and Technical	TBD	HOSPITALMAN	HOSPITALMAN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	HN	None

Job Description

Hospitalmen serve ashore and afloat and with Marine Corps and Joint Services; assist in the prevention and treatment of disease, disability, and injury using medical aid and preventive medicine procedures; assist in the prevention and treatment of dental conditions; assist with physical examinations; provide patient care and assist in the administration of medicinal and parenteral solutions; perform general laboratory, pharmacy, and other patient support services; assist in the administrative supply and accounting procedures within medical departments; serve as sole medical personnel or battlefield Corpsman while assigned to field/operational units; perform Tactical Combat Casualty Care (TCCC); instruct medical and non-medical personnel in medical aid, self-aid, personal hygiene, and health records maintenance; assist in the transportation of the sick and injured; provide assistance in the maintenance of environmental and occupational health standards; assist in the prevention and treatment of Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) casualties and other contingencies; and may be assigned independent of a Medical provider.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Medical Care and Treatment, General	130000	Emergency Medical Technicians	29-2042.00	Healthcare Practitioners and Technical

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Complex Problem Solving	*Manual Dexterity*
Equipment Selection	*Information Ordering*
Judgment and Decision Making	*Finger Dexterity*
Management of Material Resources	*Speed of Closure*
Operation and Control	*Problem Sensitivity*
Writing	*Oral Expression*
Monitoring	*Inductive Reasoning*
Speaking	*Reaction Time*
Instructing	*Written Expression*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E3	CORE	Advise patients on Health Insurance Portability and Accountability Act (HIPAA)
E3	CORE	Document patient dispositions (e.g., no duty, light duty, full duty, etc.)
E3	CORE	Enforce institutional standards of care by platform (e.g., The Joint Commission (TJC), Medical Inspector General (MEDIG), etc.)
E3	CORE	Manage medical and dental records
E3	CORE	Perform annual verifications of medical and dental records
E3	CORE	Prepare medical and dental reports
E3	CORE	Prepare monthly morbidity reports
E3	CORE	Process consultation forms
E3	CORE	Provide birth certificate data
E3	CORE	Provide death certificate data

CLINICAL SUPPORT SERVICES

Paygrade	Task Type	Task Statements
E3	NON-CORE	Assist with clinical imaging
E3	CORE	Assist with walking blood bank (WBB) procedures
E3	CORE	Dispense medications (e.g., mechanical, manual, etc.)

CLINICAL SUPPORT SERVICES (CONT'D)

Paygrade	Task Type	Task Statements
E3	CORE	Document laboratory test results
E3	CORE	Interpret laboratory test results
E3	CORE	Perform basic laboratory tests (e.g., waived testing, point-of-care testing (POCT), etc.)
E3	CORE	Prepare laboratory test request forms
E3	CORE	Reconstitute medications and vaccines for administration
E3	CORE	Report abnormal laboratory test results
E3	CORE	Verify laboratory test request forms

EMERGENCY, FIELD, AND OPERATIONAL TREATMENT

Paygrade	Task Type	Task Statements
E3	CORE	Administer intraosseous (IO) infusions (e.g., fluids, medications, etc.)
E3	CORE	Apply occlusive dressings
E3	CORE	Apply patient restraints
E3	CORE	Apply tourniquets
E3	CORE	Assess Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) contaminated patients
E3	CORE	Assess cold casualties
E3	CORE	Assess heat casualties
E3	CORE	Assess patients for abdominal injuries
E3	CORE	Assess patients for burns (e.g., thermal, chemical, electrical, light, radiological, etc.)
E3	CORE	Assess patients for cardiovascular (CV) system emergencies
E3	CORE	Assess patients for constitutional emergencies (e.g., high fever)
E3	CORE	Assess patients for dental emergencies
E3	CORE	Assess patients for endocrine system emergencies
E3	NON-CORE	Assess patients for envenomations
E3	CORE	Assess patients for external hemorrhages
E3	CORE	Assess patients for gastrointestinal (GI) system emergencies
E3	CORE	Assess patients for genitourinary (GU) system emergencies
E3	CORE	Assess patients for head, eyes, ears, nose, and throat (HEENT) emergencies
E3	CORE	Assess patients for hematologic system, lymphatic system, and immune system/allergy emergencies (e.g., anaphylaxis)
E3	CORE	Assess patients for human and animal bites
E3	CORE	Assess patients for integumentary system (i.e., dermatologic) emergencies
E3	CORE	Assess patients for internal hemorrhages
E3	CORE	Assess patients for intoxications, poisonings, and hazardous material exposures
E3	CORE	Assess patients for mental health emergencies (e.g., threat to self or others)
E3	CORE	Assess patients for musculoskeletal (MSK) system emergencies
E3	CORE	Assess patients for nervous system emergencies (e.g., traumatic brain injuries (TBI), seizures, etc.)
E3	CORE	Assess patients for respiratory system emergencies
E3	CORE	Assess patients for shock

EMERGENCY, FIELD, AND OPERATIONAL TREATMENT (CONT'D)

Paygrade	Task Type	Task Statements
E3	CORE	Assess placements of tourniquets
E3	CORE	Assess scene safety and Situational Awareness (SA)
E3	CORE	Assist triage officers during mass casualty incidents (MCI)
E3	CORE	Assist with childbirth procedures
E3	CORE	Conduct quarantine protocols (e.g., ships, stations, units, personnel, etc.)
E3	CORE	Coordinate medical evacuations (e.g., urgent, priority, routine, etc.)
E3	CORE	Direct personnel in tactical triage procedures
E3	CORE	Document medical and dental emergencies
E3	NON-CORE	Establish chest tube thoracostomies (TT)
E3	CORE	Establish patent airways (e.g., head tilt-chin lift, jaw-thrust, etc.)
E3	CORE	Establish surgical airways (i.e., cricothyrotomies)
E3	CORE	Execute medical evacuations (e.g., urgent, priority, routine, etc.)
E3	CORE	Identify human remains
E3	CORE	Insert airway adjuncts (i.e., oropharyngeal airways (OPA) and nasopharyngeal airways (NPA))
E3	CORE	Insert artificial airways (e.g., endotracheal tubes (ETT), laryngeal mask airways (LMA), etc.)
E3	CORE	Maintain patent airways (e.g., head tilt-chin lift, jaw-thrust, etc.)
E3	CORE	Manage battle dressing stations (BDS)
E3	CORE	Perform blood transfusions
E3	CORE	Perform emergency field diagnostic tests (e.g., halo sign tests, digital rectal exams (DRE), etc.)
E3	CORE	Perform healthcare provider Basic Life Support (BLS)
E3	CORE	Perform needle decompressions
E3	CORE	Perform patient movement techniques (i.e., lifts, carries, and drags)
E3	CORE	Perform tactical triage procedures
E3	CORE	Remove patient restraints
E3	CORE	Remove superficial foreign bodies
E3	CORE	Submit casualty evacuation turnover reports
E3	CORE	Transport patients via patient carrying devices (e.g., litters, stretchers, sleds, stair chairs, etc.)
E3	CORE	Treat Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) contaminated patients
E3	CORE	Treat cold casualties
E3	CORE	Treat heat casualties
E3	CORE	Treat patients for burns (e.g., thermal, chemical, electrical, light, radiological, etc.)
E3	CORE	Treat patients for cardiovascular (CV) system emergencies
E3	CORE	Treat patients for constitutional emergencies (e.g., high fever)
E3	CORE	Treat patients for dental emergencies (e.g., dental first aid)
E3	CORE	Treat patients for endocrine system emergencies
E3	NON-CORE	Treat patients for envenomations
E3	CORE	Treat patients for external hemorrhages

EMERGENCY, FIELD, AND OPERATIONAL TREATMENT (CONT'D)

Paygrade	Task Type	Task Statements
E3	CORE	Treat patients for gastrointestinal (GI) system emergencies
E3	CORE	Treat patients for genitourinary (GU) system emergencies
E3	CORE	Treat patients for head, eyes, ears, nose, and throat (HEENT) emergencies
E3	CORE	Treat patients for hematologic system, lymphatic system, and immune system/allergy emergencies (e.g., anaphylaxis)
E3	CORE	Treat patients for human and animal bites
E3	CORE	Treat patients for integumentary system (i.e., dermatologic) emergencies
E3	CORE	Treat patients for internal hemorrhages (e.g., junctional tourniquets, pelvic binders, etc.)
E3	CORE	Treat patients for intoxications, poisonings, and hazardous material exposures
E3	CORE	Treat patients for mental health emergencies (e.g., de-escalate emotionally unstable patients)
E3	CORE	Treat patients for musculoskeletal (MSK) system emergencies
E3	CORE	Treat patients for nervous system emergencies (e.g., traumatic brain injuries (TBI), seizures, etc.)
E3	CORE	Treat patients for respiratory system emergencies
E3	CORE	Treat patients for shock

LOGISTICS

Paygrade	Task Type	Task Statements
E3	CORE	Dispose of medical and dental consumables
E3	CORE	Dispose of medications
E3	CORE	Inspect decontamination stations
E3	CORE	Inspect medical and dental equipment
E3	CORE	Inventory decontamination stations
E3	CORE	Inventory medical and dental equipment and supplies (e.g., authorized medical allowance list (AMAL), authorized dental allowance list (ADAL), medical kits, etc.)
E3	CORE	Manage medical and dental equipment and supplies (e.g., authorized medical allowance list (AMAL), authorized dental allowance list (ADAL), medical kits, etc.)
E3	CORE	Perform preventive maintenance on medical and dental equipment
E3	CORE	Perform user-level repair on medical and dental equipment
E3	CORE	Prepare accident and injury (A&I) reports
E3	CORE	Prepare sick and injured (S&I) reports
E3	CORE	Report corrective maintenance needs for medical and dental equipment
E3	CORE	Stock medical and dental equipment and supplies (e.g., authorized medical allowance list (AMAL), authorized dental allowance list (ADAL), medical kits, etc.)
E3	CORE	Test medical and dental equipment
E3	CORE	Troubleshoot medical and dental equipment

PATIENT CARE

Paygrade	Task Type	Task Statements
E3	CORE	Acquire patient data (e.g., past medical history, history of present illness, etc.)
E3	CORE	Administer buccal medications
E3	CORE	Administer immersion therapies

PATIENT CARE (CONT'D)

Paygrade	Task Type	Task Statements
E3	CORE	Administer inhalation and nebulization medications and therapies
E3	CORE	Administer intradermal (ID) injections and skin tests
E3	CORE	Administer intramuscular (IM) injections
E3	CORE	Administer intravenous (IV) injections
E3	CORE	Administer intravenous (IV) medications and therapies
E3	CORE	Administer local anesthesia
E3	CORE	Administer nasal medications and therapies
E3	CORE	Administer nasogastric (NG) tube, orogastric (OG) tube, gastric (G) tube, and jejunostomy (J) tube medications and therapies
E3	CORE	Administer ocular medications and therapies (i.e., ophthalmic)
E3	CORE	Administer oral medications and therapies
E3	CORE	Administer otic medications and therapies
E3	CORE	Administer rectal medications and therapies
E3	CORE	Administer subcutaneous (SC) injections
E3	CORE	Administer sublingual (SL) medications
E3	CORE	Administer topical medications and therapies
E3	CORE	Administer transdermal medications and therapies
E3	CORE	Administer vaginal medications and therapies
E3	CORE	Advise patients on ethical issues (e.g., pregnancy, informed consent, confidentiality, end of life care, etc.)
E3	CORE	Advocate for patient healthcare needs
E3	CORE	Aid patients in activities of daily living (ADL)
E3	CORE	Analyze patient charts for continuity of care
E3	CORE	Analyze patient data (e.g., past medical history, history of present illness, etc.)
E3	CORE	Apply orthopedic/musculoskeletal (MSK) devices
E3	CORE	Assess airways
E3	CORE	Assess general appearance of patients
E3	CORE	Assess intradermal (ID) skin tests
E3	CORE	Assess objective vital sign trends (i.e., heart rate (HR), respiratory rate (RR), blood pressure (BP), temperature, and oxygen saturation (SpO2))
E3	CORE	Assess patients and medications for contraindications
E3	CORE	Assess patients for constitutional symptoms (e.g., exhaustion, malaise, weight loss, etc.)
E3	CORE	Assess patients for medication and vaccination side effects, adverse events, and interactions
E3	CORE	Assess patients for pain
E3	CORE	Assess patients for side effects and adverse events to treatments and procedures
E3	CORE	Assist in performing incision and drainage (I&D) procedures
E3	CORE	Assist in treating cardiovascular (CV) system abnormalities
E3	CORE	Assist in treating communicable diseases
E3	CORE	Assist in treating endocrine system abnormalities
E3	CORE	Assist in treating gastrointestinal (GI) system abnormalities

PATIENT CARE (CONT'D)

Paygrade	Task Type	Task Statements
E3	CORE	Assist in treating genitourinary (GU) system abnormalities
E3	CORE	Assist in treating head, eyes, ears, nose, and throat (HEENT) abnormalities
E3	CORE	Assist in treating hematologic system, lymphatic system, and immune system/allergy abnormalities
E3	CORE	Assist in treating integumentary system (i.e., dermatologic) abnormalities
E3	CORE	Assist in treating mental health issues
E3	CORE	Assist in treating musculoskeletal (MSK) system abnormalities
E3	CORE	Assist in treating nervous system abnormalities
E3	CORE	Assist in treating patients for constitutional symptoms (e.g., exhaustion, malaise, weight loss, etc.)
E3	CORE	Assist in treating respiratory system abnormalities
E3	CORE	Assist patients in utilization of durable medical equipment (DME)
E3	CORE	Assist patients with occupational therapy (OT)
E3	CORE	Assist patients with physical therapy (PT)
E3	CORE	Assist with the administration of implanted devices and medications (e.g., birth control)
E3	CORE	Assist with the administration of intrathecal medications
E3	CORE	Assist with the removal of artificial airways (e.g., endotracheal tubes (ETT), laryngeal mask airways (LMA), etc.)
E3	CORE	Calculate medication dosages
E3	CORE	Close wounds with medical adhesives, staples, and dressing materials (e.g., butterfly bandages, wound closure strips, etc.)
E3	CORE	Close wounds with sutures
E3	CORE	Communicate treatment plans to providers
E3	CORE	Coordinate health services appointment requirements fulfillments
E3	CORE	Counsel patients on Privacy Act Statement
E3	CORE	Counsel patients regarding treatment plans
E3	CORE	Create patient care encounters
E3	CORE	Direct personnel in clinical triage procedures
E3	CORE	Discontinue (DC) intravenous (IV) catheters
E3	CORE	Document intradermal (ID) skin test results
E3	CORE	Document patient care
E3	CORE	Document physical examinations
E3	CORE	Draft treatment plans
E3	CORE	Educate patients on prescribed diets
E3	CORE	Educate patients on proper use of durable medical equipment (DME)
E3	CORE	Insert intravenous (IV) catheters
E3	CORE	Insert nasogastric (NG) tubes and orogastric (OG) tubes
E3	CORE	Insert non-surgical urinary catheters
E3	CORE	Isolate infectious patients
E3	CORE	Maintain artificial airways (e.g., endotracheal tubes (ETT), laryngeal mask airways (LMA), etc.)

PATIENT CARE (CONT'D)

Paygrade	Task Type	Task Statements
E3	CORE	Maintain intravenous (IV) medication and therapy administrations and accesses (e.g., saline locks, site inspections, etc.)
E3	CORE	Maintain patient privacy
E3	CORE	Maintain sterile fields
E3	CORE	Maintain surgical and non-surgical urinary catheters
E3	CORE	Manage fluid intake
E3	CORE	Manage patient diet compliance
E3	CORE	Monitor fluid output
E3	CORE	Obtain laboratory test samples (e.g., urine samples, nasal swabs, etc.) and specimens (e.g., finger stick and venipuncture blood specimens)
E3	CORE	Obtain objective vital sign values (i.e., heart rate (HR), respiratory rate (RR), blood pressure (BP), temperature, and oxygen saturation (SpO2))
E3	CORE	Participate in patient rounds
E3	CORE	Perform cardiovascular (CV) system assessments
E3	CORE	Perform clinical triage procedures
E3	CORE	Perform communicable disease assessments
E3	CORE	Perform endocrine system assessments
E3	CORE	Perform gastrointestinal (GI) system assessments
E3	CORE	Perform genitourinary (GU) system assessments
E3	CORE	Perform gross hearing acuity tests
E3	CORE	Perform head, eyes, ears, nose, and throat (HEENT) assessments
E3	CORE	Perform hematologic system, lymphatic system, and immune system/allergy assessments
E3	CORE	Perform integumentary system (i.e., dermatologic) assessments
E3	CORE	Perform medication reconciliations
E3	CORE	Perform mental health assessments
E3	CORE	Perform musculoskeletal (MSK) system assessments
E3	CORE	Perform nervous system assessments
E3	CORE	Perform patient turnovers
E3	CORE	Perform physical examinations
E3	CORE	Perform post-operative care
E3	CORE	Perform pre-operative procedures
E3	CORE	Perform respiratory system assessments
E3	CORE	Perform wound inspections (e.g., infections, healing signs, etc.)
E3	CORE	Perform wound management (e.g., dressing changes, irrigation, cleaning, etc.)
E3	CORE	Prepare hospital beds
E3	CORE	Prepare patients for transport
E3	CORE	Provide discharge instructions to patients
E3	CORE	Provide healthcare-related customer service (e.g., service best practices, effective communication, problem resolutions, etc.)
E3	CORE	Remove airway adjuncts (i.e., oropharyngeal airways (OPA) and nasopharyngeal airways (NPA))

PATIENT CARE (CONT'D)

Paygrade	Task Type	Task Statements
E3	CORE	Remove nasogastric (NG) tubes and orogastric (OG) tubes
E3	CORE	Remove non-surgical urinary catheters
E3	CORE	Remove orthopedic/musculoskeletal (MSK) devices
E3	CORE	Remove sutures and staples
E3	CORE	Report objective vital sign values (i.e., heart rate (HR), respiratory rate (RR), blood pressure (BP), temperature, and oxygen saturation (SpO2))
E3	CORE	Report side effects and adverse events to medications and vaccinations
E3	CORE	Report side effects and adverse events to treatments and procedures
E3	CORE	Schedule health services appointments
E3	CORE	Set up electrocardiogram (ECG/EKG) equipment
E3	CORE	Set up humidifiers
E3	CORE	Set up oxygen equipment
E3	CORE	Set up patient monitors
E3	CORE	Set up sterile fields
E3	CORE	Set up suction equipment
E3	CORE	Set up vaporizers
E3	CORE	Set up ventilators
E3	CORE	Suction artificial airways (e.g., endotracheal tubes (ETT), laryngeal mask airways (LMA), etc.)
E3	CORE	Suction natural airways
E3	CORE	Suction oral cavities
E3	CORE	Translate medical terminology for patients
E3	CORE	Treat non-emergent oral conditions
E3	CORE	Treat patients for pain
E3	CORE	Verify specimen and sample labels

PREVENTIVE AND OCCUPATIONAL MEDICINE

Paygrade	Task Type	Task Statements
E3	CORE	Analyze dental readiness data
E3	CORE	Analyze medical readiness data
E3	CORE	Assist others in donning and doffing surgical gowns and gloves
E3	CORE	Brief medical and dental readiness
E3	CORE	Clean sterilizers and sanitizers
E3	CORE	Collect regulated medical waste
E3	CORE	Conduct health promotions education
E3	CORE	Conduct preliminary interviews of personnel exposed to communicable diseases
E3	CORE	Disinfect medical and dental equipment and instruments
E3	CORE	Disinfect treatment rooms
E3	CORE	Dispose of regulated medical waste
E3	CORE	Document disposal of regulated medical waste
E3	CORE	Doff sterile surgical gowns and gloves
E3	CORE	Don sterile surgical gowns and gloves

PREVENTIVE AND OCCUPATIONAL MEDICINE (CONT'D)

Paygrade	Task Type	Task Statements
E3	CORE	Draft command medical and dental readiness plans
E3	CORE	Enforce sharps safe handling precautions
E3	CORE	Fit Personal Protective Equipment (PPE) (e.g., hearing protection devices) and occupational health equipment (e.g., respirators)
E3	CORE	Inspect food service personnel (e.g., Culinary Specialists (CS), Food Service Attendants (FSA), etc.) for personal hygiene
E3	CORE	Inspect food service personnel (e.g., Culinary Specialists (CS), Food Service Attendants (FSA), etc.) for proper food handling procedures
E3	CORE	Inspect food storage and service areas
E3	NON-CORE	Inspect messing and food service facilities
E3	CORE	Interpret water test results
E3	CORE	Issue Personal Protective Equipment (PPE) (e.g., hearing protection devices) and occupational health equipment (e.g., respirators)
E3	CORE	Maintain non-surgical universal precautions
E3	CORE	Maintain surgical universal precautions
E3	CORE	Organize medical workspace areas to prevent injuries
E3	CORE	Package regulated medical waste
E3	NON-CORE	Perform audiogram tests
E3	CORE	Perform heat stress monitoring procedures
E3	CORE	Perform pest surveillance
E3	CORE	Perform preliminary investigations of foodborne illnesses
E3	CORE	Perform refrigerator and freezer temperature checks
E3	CORE	Perform standard vision tests (e.g., acuity, color, depth, etc.)
E3	CORE	Prepare heat and cold casualty reports
E3	CORE	Prepare medical and dental equipment and instruments for sterilization
E3	CORE	Process regulated medical waste
E3	CORE	Provide medical recommendations for camp layouts
E3	CORE	Record sterilization data
E3	CORE	Report water test results
E3	CORE	Sort regulated medical waste
E3	NON-CORE	Sterilize medical and dental equipment and instruments
E3	CORE	Submit heat and cold casualty reports
E3	CORE	Test water for bacteria
E3	CORE	Test water for halogen residuals
E3	CORE	Transport regulated medical waste
E3	CORE	Update dental readiness data
E3	CORE	Update medical readiness data

TRAINING

Paygrade	Task Type	Task Statements
E3	CORE	Conduct medical and dental training
E3	CORE	Maintain departmental training jackets

TRAINING (CONT'D)

Paygrade	Task Type	Task Statements
E3	CORE	Train personnel on Basic Life Support (BLS) subjects
E3	CORE	Train personnel on Tactical Combat Casualty Care (TCCC) subjects

CHAPTER 42

HULL MAINTENANCE TECHNICIAN (HT)

NAVPERS 18068F-42F
Change 107

Updated: July 2026

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

HULL MAINTENANCE TECHNICIAN (HT)

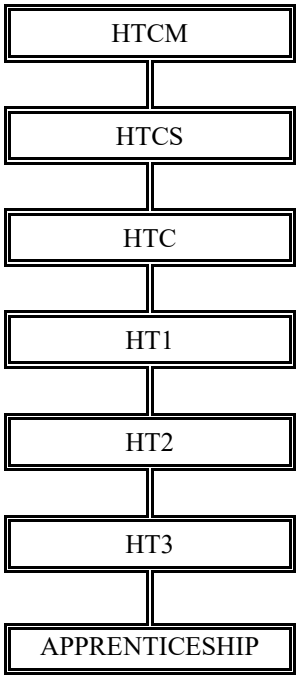
SCOPE OF RATING

Hull Maintenance Technicians (HT) plan, supervise, and perform tasks necessary for fabrication, installation, maintenance, repair, and inspection of shipboard structures, plumbing, sewage, and piping systems; organize and supervise personnel in maintenance and hull repairs; instruct personnel; enforce safety and security procedures; and prepare records and reports.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 42.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Hull Systems Maintainer

Job Code

003004

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	HULL SYSTEMS MAINTAINER	HULL SYS MAINT

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	HT	NEC UXXX series and other NECs as assigned

Job Description

Hull Systems Maintainers perform the work necessary to keep shipboard structures and surfaces in good condition; maintain and operate shipboard plumbing systems, marine sanitation systems, and ballast control systems; fabricate structures from light and heavy gauge metal; inspect and test various shipboard structures and systems using visual, radiological, ultrasonic, and magnetic particle, and liquid penetrant testing equipment; conduct repairs to marine sanitation systems, decks, structures, and hulls by welding, brazing, and riveting; install, maintain, and repair valves, piping and plumbing system fittings and fixtures; perform pipe cutting, threading, and assembly; repair ventilation ducting; install and repair insulation and lagging; repair metal, wood, and fiberglass boats; apply Quality Assurance Program guidelines, principles, and instructions; and perform daily tasks under the direct supervision of a Hull System Technician.

DoD Relationship

Group Title	*DoD Code*
Other Craftsworkers, N.E.C., General	179000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Maintenance and Repair Workers, General	49-9071.00	Installation, Maintenance, and Repair

Skills	Abilities
Equipment Selection	*Arm-Hand Steadiness*
Quality Control Analysis	*Problem Sensitivity*
Operation and Control	*Perceptual Speed*
Management of Material Resources	*Manual Dexterity*
Repairing	*Information Ordering*
Complex Problem Solving	*Control Precision*
Critical Thinking	*Memorization*
Equipment Maintenance	*Mathematical Reasoning*
Coordination	*Finger Dexterity*
Systems Evaluation	*Multi-limb Coordination*

GENERAL SHOP OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Bend material using various tools (e.g., brake press, Hossfeld bending machine, metal brake, etc.)
E4	CORE	Clean hand tools
E5	CORE	Conduct job site safety walkthroughs for repairs and inspections
E4	CORE	Disinfect hand tools
E4	CORE	Doff Supplied-Air Respirator/Self-Contained Breathing Apparatus SAR/SCBA)
E4	CORE	Don Supplied-Air Respirator/Self-Contained Breathing Apparatus (SAR/SCBA)
E4	CORE	Dress grinding wheels
E4	CORE	Drill holes in material (e.g., drill press, electric hand drill, portable drill, etc.)
E4	CORE	Grind material using pedestal grinder
E4	CORE	Identify tools requiring calibration and their calibration specifications
E4	CORE	Inspect hand tools
E4	CORE	Perform Planned Maintenance System (PMS) checks
E4	CORE	Perform ship checks to establish scope of work and inspection requirements
E4	CORE	Perform shop mathematics
E4	CORE	Punch material using various punching methods (e.g., turret punch, hand punch tools, universal iron worker, etc.)

GENERAL SHOP OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair hand tools
E4	CORE	Replace consumable tool components (e.g., saw blades, belts, bits, etc.)
E4	CORE	Replace hand tools
E4	CORE	Set up Supplied-Air Respirator (SAR)
E4	CORE	Set up ventilation equipment for hot work operations (e.g., welding, brazing, plasma cutting, etc.)
E5	CORE	Stress-relieve metal
E4	CORE	Verify proper ventilation
E5	CORE	Verify temporary controlled job sites for controlled work

METAL LAYOUT, FABRICATION, AND INSTALLATION

Paygrade	Task Type	Task Statements
E4	CORE	Cut ferrous and non-ferrous metals utilizing various cutting machines and tools (e.g., bandsaw, power hack saw, shear, etc.)
E4	CORE	Fabricate sheet metal products
E4	CORE	Form material using notching, punching, and shearing machines
E4	CORE	Form material using slip roll
E4	NON-CORE	Form materials using pull max
E4	CORE	Install sheet metal products
E4	CORE	Layout sheet metal products
E4	CORE	Manufacture structural and non-structural components
E4	CORE	Perform metal repairs
E4	CORE	Replace equipment flanges
E4	CORE	Set up carbon-arc cutting
E4	CORE	Tap material
E4	CORE	Thread material
E4	CORE	Verify piping fit-ups
E4	CORE	Verify structural metal fit-ups

PLUMBING AND PIPING SYSTEMS REPAIR

Paygrade	Task Type	Task Statements
E4	CORE	Bend metal piping
E4	CORE	Clear clogged piping
E4	CORE	Fabricate blank flanges
E4	CORE	Fabricate sealing gaskets
E4	CORE	Fabricate templates for piping repairs and replacements
E4	CORE	Identify piping systems material and fittings by markings
E4	CORE	Inspect flexible hoses and connections
E4	CORE	Inspect piping systems, tubing, and components
E4	CORE	Inspect valve components

PLUMBING AND PIPING SYSTEMS REPAIR (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Install Mechanical Attached Fittings (MAF)
E4	CORE	Interpret piping diagrams
E4	CORE	Lay out metal flanges
E4	NON-CORE	Manufacture flexible hoses and connections
E4	CORE	Manufacture gauge lines
E4	CORE	Repair piping system components
E4	CORE	Repair valve components
E4	CORE	Replace flexible hoses and connections
E4	CORE	Replace metal and non-metal plumbing fixtures
E4	CORE	Replace piping system components
E4	CORE	Replace valve components
E4	CORE	Target piping systems

SEWAGE SYSTEMS MAINTENANCE AND REPAIR

Paygrade	Task Type	Task Statements
E4	CORE	Align Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) system
E4	CORE	Clean Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) system and components
E4	CORE	Clean sewage contaminated compartments
E4	CORE	Disinfect sewage contaminated compartments
E4	CORE	Inspect Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) system and components
E4	CORE	Maintain sewage spill lockers
E4	CORE	Perform Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) disposal evolutions
E4	CORE	Perform sewage spill containment
E4	CORE	Repair Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) system components
E4	CORE	Replace Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) system components
E4	CORE	Test Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) system and components
E4	CORE	Troubleshoot Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) system and components

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Document information on Quality Assurance (QA) forms
E4	CORE	Interpret technical drawings and blueprints for welding, brazing, and Non-Destructive Testing (NDT) requirements
E5	CORE	Prepare Quality Assurance (QA) forms

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Validate Destructive Testing and Non-Destructive Testing (NDT) procedures
E5	CORE	Verify accuracy of Quality Assurance (QA) forms
E5	CORE	Verify space safe for hot work
E4	CORE	Verify Technical Work Documents (TWD) for repairs, inspection requirements and acceptance criteria

TESTS AND INSPECTIONS

Paygrade	Task Type	Task Statements
E4	CORE	Evaluate Non-Destructive Testing (NDT) inspection results against acceptance standards
E4	CORE	Identify metals
E5	CORE	Perform corrosion inspections in tanks and voids
E4	CORE	Perform destructive test inspections using various methods (e.g., guided bend, macro-etch, hardness, etc.)
E5	CORE	Perform hydro-static tests
E4	CORE	Perform informational Liquid Penetrant Testing (PT) using various methods (e.g., Type 2, Method C, Form e., etc.)
E4	NON-CORE	Perform informational Magnetic Particle Testing (MT) inspections using wet and dry techniques
E5	CORE	Perform Non-Destructive Testing (NDT) inspections within a radiological environment
E4	NON-CORE	Perform pre and post inspections on Magnetic Particle Testing (MT) and Ultrasonic Testing (UT) equipment
E4	NON-CORE	Perform informational Radiographic Testing (RT) inspections in shielded or open facilities
E4	NON-CORE	Perform informational Ultrasonic Testing (UT) inspections using various methods. (e.g., thickness, silver braze, shear wave, etc.)
E4	CORE	Perform informational Visual Testing (VT) inspections on welds, brazes and components
E4	NON-CORE	Perform X-ray Fluorescence (XRF) inspections for metal and lead paint identification
E4	CORE	Take precision measurements using calibrated and non-calibrated equipment (e.g., feeler gauge, micrometer, dial calipers, etc.)

WELDING AND OXYACYTELENE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Clean braze joints
E4	CORE	Clean welds
E4	CORE	Cut ferrous and non-ferrous metals utilizing welding and cutting equipment (e.g., plasma cutter, carbon arc, oxyacetylene, etc.)
E4	CORE	Inspect braze joints
E4	CORE	Inspect compressed gas cylinders for proper storage
E4	CORE	Interpret welding symbols and standards from drawings and specifications

WELDING AND OXYACYTELENE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform oxyacetylene brazing operations
E4	CORE	Perform welding operations (e.g., Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), Shielded Metal Arc Welding (SMAW), etc.)
E4	CORE	Perform welding using stud welder
E4	CORE	Prepare surfaces for welding
E4	CORE	Repair braze joints
E4	CORE	Set up brazing equipment
E4	CORE	Set up oxyacetylene cutting equipment
E4	CORE	Set up welding equipment (e.g., Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), Shielded Metal Arc Welding (SMAW), etc.)
E4	CORE	Set up welding equipment for stud welder

Job Title **Job Code**

Hull Systems Technician 003556

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	HULL SYSTEMS TECHNICIAN	HULL SYS TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	HT	NEC UXXX series and other NECs as assigned

Job Description

Hull Systems Technicians perform the work necessary to keep shipboard structures and surfaces in good condition; maintain and operate shipboard plumbing systems, marine sanitation systems, and ballast control systems; fabricate structures from light and heavy gauge metal; inspect and test various shipboard structures and systems using visual, radiological, ultrasonic, magnetic particle, and liquid penetrant testing equipment; supervise repairs to marine sanitation systems, decks, structures, and hulls by welding, brazing, and riveting; install, maintain, and repair valves, piping and plumbing system fittings and fixtures; perform pipe cutting, bending, threading and assembly, repair ventilation ducting; and install and repair insulation and lagging; repair metal, wood, and fiberglass boats; manage the Quality Assurance Program; serve as Subject Matter Experts (SME); and mentor Hull Systems Maintainers.

DoD Relationship

Group Title	*DoD Code*
Other Craftsworkers, N.E.C., General	179000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061.00	Production

Skills	Abilities
Quality Control Analysis	*Problem Sensitivity*
Equipment Selection	*Information Ordering*
Operation and Control	*Perceptual Speed*
Critical Thinking	*Arm-Hand Steadiness*
Monitoring	*Deductive Reasoning*
Management of Material Resources	*Mathematical Reasoning*
Complex Problem Solving	*Manual Dexterity*
Coordination	*Control Precision*
Repairing	*Memorization*
Reading Comprehension	*Written Comprehension*

GENERAL SHOP OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Bend material using various tools (e.g., brake press, Hossfeld bending machine, metal brake, etc.)
E5	CORE	Conduct job site safety walkthroughs for repairs and inspections
E4	CORE	Doff Supplied-Air Respirator/Self-Contained Breathing Apparatus (SAR/SCBA)
E4	CORE	Don Supplied-Air Respirator/Self-Contained Breathing Apparatus (SAR/SCBA)
E4	CORE	Identify tools requiring calibration and their calibration specifications
E4	CORE	Inspect hand tools
E5	CORE	Monitor Supplied-Air Respirator/Self-Contained Breathing Apparatus (SAR/SCBA)
E4	CORE	Perform Planned Maintenance System (PMS) checks
E4	CORE	Perform ship checks to establish scope of work and inspection requirements
E4	CORE	Perform shop mathematics
E4	CORE	Repair hand tools
E4	CORE	Replace consumable tool components (e.g., saw blades, belts, bits, etc.)
E4	CORE	Replace hand tools
E4	CORE	Set up Supplied-Air Respirator (SAR)

GENERAL SHOP OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Set up ventilation equipment for hot work operations (e.g., welding, brazing, plasma cutting, etc.)
E5	CORE	Stress-relieve metal
E6	CORE	Supervise personnel safety and rescue control procedures
E4	CORE	Verify proper ventilation
E5	CORE	Verify temporary controlled job sites for controlled work

METAL LAYOUT, FABRICATION, AND INSTALLATION

Paygrade	Task Type	Task Statements
E4	CORE	Cut ferrous and non-ferrous metals utilizing various cutting machines and tools (e.g., bandsaw, power hack saw, shear, etc.)
E4	CORE	Fabricate sheet metal products
E4	CORE	Form material using slip roll
E4	NON-CORE	Form materials using pull max
E4	CORE	Layout sheet metal products
E4	CORE	Manufacture structural and non-structural components
E4	CORE	Perform metal repairs
E4	CORE	Set up carbon-arc cutting
E4	CORE	Verify piping fit-ups
E4	CORE	Verify structural metal fit-ups

PLUMBING AND PIPING SYSTEMS REPAIR

Paygrade	Task Type	Task Statements
E4	CORE	Fabricate templates for piping repairs and replacements
E4	CORE	Identify piping systems material and fittings by markings
E4	CORE	Inspect flexible hoses and connections
E4	CORE	Inspect piping systems, tubing, and components
E4	CORE	Inspect valve components
E4	CORE	Interpret piping diagrams
E4	CORE	Lay out metal flanges
E4	CORE	Manufacture gauge lines
E4	CORE	Repair piping system components
E4	CORE	Replace piping system components
E5	CORE	Test repaired piping systems, tubing, and components

SEWAGE SYSTEMS MAINTENANCE AND REPAIR

Paygrade	Task Type	Task Statements
E4	CORE	Align Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) system
E4	CORE	Clean Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) system and components

SEWAGE SYSTEMS MAINTENANCE AND REPAIR (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Clean sewage contaminated compartments
E6	CORE	Conduct sewage spill containment and cleanup
E6	CORE	Coordinate Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) disposal evolutions
E4	CORE	Disinfect sewage contaminated compartments
E4	CORE	Inspect Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) system and components
E6	CORE	Inspect sewage contaminated compartments
E4	CORE	Perform Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) disposal evolutions
E4	CORE	Perform sewage spill containment
E4	CORE	Repair Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) system components
E4	CORE	Replace Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) system components
E6	CORE	Supervise alignment of Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) system (i.e., at-sea, in-port, and transit)
E4	CORE	Test Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) system and components
E4	CORE	Troubleshoot Collection Holding and Transfer (CHT)/Vacuum Collection Holding and Transfer (VCHT) system and components

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Document information on Quality Assurance (QA) forms
E6	NON-CORE	Initiate Memorandum of Agreements for Non-Destructive Testing (NDT), welder, and brazer programs
E4	CORE	Interpret technical drawings and blueprints for welding, brazing, and Non-Destructive Testing (NDT) requirements
E4	CORE	Manage calibrated equipment Testing, Measuring and Diagnostic Equipment (TMDE)
E7	NON-CORE	Manage radiography program
E5	CORE	Manage trouble call database
E7	CORE	Perform initial Immediately Dangerous to Life or Health (IDLH) space safe for entry
E5	CORE	Perform vertical and horizontal audits and surveillance
E7	CORE	Plan Immediately Dangerous to Life or Health (IDLH) work
E5	CORE	Prepare Quality Assurance (QA) forms
E5	CORE	Recertify a space safe for entry and reentry
E5	CORE	Recertify Immediately Dangerous to Life or Health (IDLH) space safe for entry
E4	CORE	Validate Destructive Testing and Non-Destructive Testing (NDT) procedures

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Validate Engineering Operational Sequencing System (EOSS) manuals
E5	CORE	Verify accuracy of Quality Assurance (QA) forms
E6	CORE	Verify accuracy of Quality Assurance (QA) packages
E6	CORE	Verify accuracy of technical publications, blueprints, and drawings
E7	CORE	Verify Immediately Dangerous to Life or Health (IDLH) space safe for entry
E5	CORE	Verify space safe for coldwork
E7	CORE	Verify space safe for entry and re-entry
E5	CORE	Verify space safe for hot work
E4	CORE	Verify Technical Work Documents (TWD) for repairs, inspection requirements and acceptance criteria

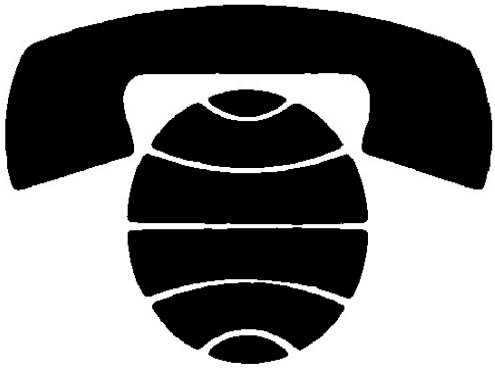
TESTS AND INSPECTIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Document Non-Destructive Test (NDT) results
E4	CORE	Evaluate Non-Destructive Testing (NDT) inspection results against acceptance standards
E4	CORE	Identify metals
E5	CORE	Perform corrosion inspections in tanks and voids
E4	CORE	Perform destructive test inspections using various methods (e.g., guided bend, macro-etch, hardness, etc.)
E5	CORE	Perform hydro-static tests
E4	CORE	Perform informational Liquid Penetrant Testing (PT) using various methods (e.g., Type 2, Method C, Form e., etc.)
E4	NON-CORE	Perform informational Magnetic Particle Testing (MT) inspections using wet and dry techniques
E5	CORE	Perform Non-Destructive Testing (NDT) inspections within a radiological environment
E4	NON-CORE	Perform pre and post inspections on Magnetic Particle Testing (MT) and Ultrasonic Testing (UT) equipment
E4	NON-CORE	Perform informational Radiographic Testing (RT) inspections in shielded or open facilities
E4	NON-CORE	Perform informational Ultrasonic Testing (UT) inspections using various methods. (e.g., thickness, silver braze, shear wave, etc.)
E4	CORE	Perform informational Visual Testing (VT) inspections on welds, brazes and components
E4	NON-CORE	Perform X-ray Fluorescence (XRF) inspections for metal and lead paint identification
E4	CORE	Take precision measurements using calibrated and non-calibrated equipment (e.g., feeler gauge, micrometer, dial calipers, etc.)

WELDING AND OXYACYTELENE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Inspect braze joints
E4	CORE	Inspect compressed gas cylinders for proper storage
E4	CORE	Interpret welding symbols and standards from drawings and specifications
E6	CORE	Manage cutting, welding, and oxyacetylene operations
E4	CORE	Perform oxyacetylene brazing operations
E4	CORE	Perform welding operations (e.g., Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), Shielded Metal Arc Welding (SMAW), etc.)
E4	CORE	Perform welding using stud welder
E4	CORE	Set up brazing equipment
E4	CORE	Set up oxyacetylene cutting equipment
E4	CORE	Set up welding equipment (e.g., Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), Shielded Metal Arc Welding (SMAW), etc.)
E4	CORE	Set up welding equipment for stud welder
E6	CORE	Supervise cutting, welding, oxyacetylene operations and metal repairs

CHAPTER 43



INTERIOR COMMUNICATIONS ELECTRICIAN (IC)

NAVPERS 18068F- 43H
Change 107

Updated: July 2026

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

INTERIOR COMMUNICATIONS ELECTRICIAN (IC)

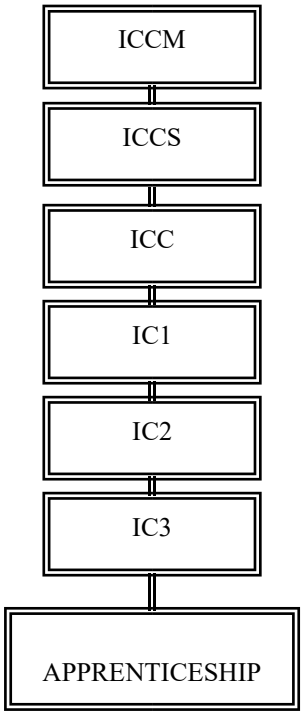
SCOPE OF RATING

Interior Communications Electricians (IC) configure and perform organizational and intermediate maintenance on alarm, safety, and warning systems, auxiliary power and support systems, data conversion and distribution systems, indicating, metering, and ordering systems, Interior Communications (IC) systems, phone systems, Audio/Video (A/V) entertainment, broadcast, communication, and monitoring systems, navigation systems, environmental systems, and Visual Landing Aids (VLA); conduct network administration and maintenance; interpret and analyze ship's blueprints and system interface diagrams; inspect, test, and make detailed casualty analyses; and direct maintenance and repair of electrical, electronic, fiber optic, electrohydraulic, electromechanical, and synchro/servo systems.

These Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 43.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Interior Communications Technician 003734

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	INTERIOR COMMUNICATIONS TEC	INT COMMS TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IC	NEC UXXX, VXXX, 7XXX and other NECs as assigned

Job Description

Interior Communications Technicians perform, coordinate, monitor, and direct the installation, configuration, maintenance, and repair of electrical, electronic, fiber optic, electrohydraulic, electromechanical, and synchro/servo systems on ships and at shore facilities including alarm, safety, and warning systems, auxiliary power and support systems, data conversion and distribution systems, indicating, metering, and ordering systems, Interior Communications (IC) systems, Audio/Video (A/V) entertainment, communication, and monitoring systems, navigation systems, environmental systems, and Visual Landing Aids (VLA); conduct network administration and maintenance; and perform Interior Communications (IC) watchstanding.

DoD Relationship

Group Title	*DoD Code*
Interior Communications	162300

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Telecommunications Line Installers and Repairers	49-9052.00	Installation, Maintenance, and Repair

Skills	Abilities
Systems Analysis	*Written Comprehension*
Troubleshooting	*Problem Sensitivity*
Quality Control Analysis	*Information Ordering*
Operation Monitoring	*Selective Attention*
Operation and Control	*Deductive Reasoning*
Repairing	*Originality*
Equipment Maintenance	*Oral Expression*
Reading Comprehension	*Control Precision*
Systems Evaluation	*Inductive Reasoning*
Management of Material Resources	*Visualization*

ALARM, SAFETY, AND WARNING SYSTEMS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Alter alarm, safety, and warning systems
E4	CORE	Configure alarm, safety, and warning systems
E4	CORE	Configure Machinery Control Consoles (MCC)
E4	CORE	Perform preventive maintenance on alarm, safety, and warning systems
E4	CORE	Perform preventive maintenance on Machinery Control Consoles (MCC)
E4	CORE	Repair alarm, safety, and warning systems
E4	CORE	Repair Machinery Control Consoles (MCC)
E4	CORE	Test alarm, safety, and warning systems
E4	CORE	Test Machinery Control Consoles (MCC)
E4	CORE	Troubleshoot alarm, safety, and warning systems
E4	CORE	Troubleshoot Machinery Control Consoles (MCC)
E5	CORE	Verify alarm, safety, and warning systems configurations
E5	CORE	Verify Machinery Control Consoles (MCC) configurations

AUXILLARY POWER AND SUPPORT SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Configure backup power systems
E4	CORE	Configure cathodic protection systems
E4	CORE	Perform preventive maintenance on backup power systems
E4	CORE	Perform preventive maintenance on cathodic protection systems
E5	CORE	Repair cathodic protection systems
E4	CORE	Replace backup power systems and components
E4	CORE	Test backup power systems
E4	CORE	Test cathodic protection systems
E4	CORE	Troubleshoot backup power systems and components
E5	CORE	Troubleshoot cathodic protection systems
E5	CORE	Verify backup power systems configurations
E5	CORE	Verify cathodic protection system configurations

DATA CONVERSION AND DISTRIBUTION

Paygrade	Task Type	Task Statements
E5	CORE	Configure computer and peripheral systems
E4	CORE	Configure data conversion and distribution systems
E4	CORE	Configure Data Multiplexing Systems (DMS) (i.e., Fiber Optic Data Multiplexing System (FODMS) and Gigabit Ethernet Data Multiplexing System (GEDMS))
E5	CORE	Configure network systems
E5	NON-CORE	Configure Programmable Logic Controllers (PLC)
E4	NON-CORE	Establish data links (i.e., dual-net multi-frequency data links and multi-frequency links)
E5	NON-CORE	Load image software
E5	NON-CORE	Maintain network security
E5	CORE	Maintain system password accounts
E5	CORE	Manage network software and firmware operations
E6	CORE	Manage system password accounts
E4	CORE	Perform preventive maintenance on computer and peripheral systems
E4	CORE	Perform preventive maintenance on data conversion and distribution systems
E4	CORE	Perform preventive maintenance on Data Multiplexing Systems (DMS) (i.e., Fiber Optic Data Multiplexing System (FODMS) and Gigabit Ethernet Data Multiplexing System (GEDMS))
E4	CORE	Perform preventive maintenance on network systems
E4	CORE	Perform preventive maintenance on Programmable Logic Controllers (PLC)
E4	CORE	Repair computer and peripheral systems
E5	CORE	Repair data conversion and distribution systems
E4	NON-CORE	Repair data link systems
E4	CORE	Repair Data Multiplexing Systems (DMS) (i.e., Fiber Optic Data Multiplexing System (FODMS) and Gigabit Ethernet Data Multiplexing System (GEDMS))
E4	CORE	Repair network systems
E4	CORE	Repair Programmable Logic Controllers (PLC)

DATA CONVERSION AND DISTRIBUTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test computer and peripheral systems
E4	CORE	Test data conversion and distribution systems
E4	NON-CORE	Test data link systems
E4	CORE	Test Data Multiplexing Systems (DMS) (i.e., Fiber Optic Data Multiplexing System (FODMS) and Gigabit Ethernet Data Multiplexing System (GEDMS))
E4	CORE	Test network systems
E4	CORE	Test Programmable Logic Controllers (PLC)
E4	CORE	Troubleshoot computer and peripheral systems
E4	CORE	Troubleshoot data conversion and distribution systems
E4	NON-CORE	Troubleshoot data link systems
E4	CORE	Troubleshoot Data Multiplexing Systems (DMS) (i.e., Fiber Optic Data Multiplexing System (FODMS) and Gigabit Ethernet Data Multiplexing System (GEDMS))
E4	CORE	Troubleshoot network systems
E4	CORE	Troubleshoot Programmable Logic Controllers (PLC)
E5	CORE	Update network software and firmware
E5	CORE	Verify data conversion and distribution systems configurations
E4	NON-CORE	Verify data link system configurations
E5	CORE	Verify Data Multiplexing System (DMS) (i.e., Fiber Optic Data Multiplexing System (FODMS) and Gigabit Ethernet Data Multiplexing System (GEDMS)) configurations
E6	CORE	Verify network systems configurations

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Calibrate gauges (e.g., temperature, pressure, etc.)
E4	CORE	Calibrate Interior Communications (IC) systems and equipment
E4	CORE	Collect equipment and system status data
E7	CORE	Coordinate equipment certifications and recertifications
E4	CORE	Document equipment and system status data
E5	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E4	CORE	Inspect work areas, tools, and equipment
E5	CORE	Install Interior Communications (IC) equipment
E4	CORE	Inventory controlled equipment
E7	CORE	Manage divisional equipment and systems configurations
E7	CORE	Manage divisional maintenance operations
E6	CORE	Manage equipment certifications and recertifications
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E4	CORE	Provide equipment installation and alteration assistance
E6	CORE	Supervise divisional equipment and systems configurations
E6	CORE	Supervise divisional maintenance operations
E5	CORE	Supervise equipment installations, testing, and alterations
E5	CORE	Supervise work center equipment and systems configurations

EQUIPMENT ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise work center maintenance operations
E6	CORE	Verify equipment installations, testing, and alterations

INDICATING, METERING, AND ORDERING

Paygrade	Task Type	Task Statements
E5	NON-CORE	Calibrate Ship's Control Console (SCC) systems
E4	NON-CORE	Calibrate steering control systems
E4	CORE	Calibrate Tank Level Indicators (TLI)
E4	CORE	Configure salinity indicating systems (e.g., demineralizing systems, evaporators, reverse osmosis systems, etc.)
E5	NON-CORE	Configure Ship's Control Console (SCC) systems
E4	NON-CORE	Configure steering control systems
E4	CORE	Configure Tank Level Indicators (TLI)
E4	CORE	Perform preventive maintenance on Ballast Control Console (BCC) systems
E4	CORE	Perform preventive maintenance on salinity indicating systems (e.g., demineralizing systems, evaporators, reverse osmosis systems, etc.)
E4	NON-CORE	Perform preventive maintenance on Ship's Control Console (SCC) systems
E4	NON-CORE	Perform preventive maintenance on steering control systems
E4	CORE	Perform preventive maintenance on Tank Level Indicators (TLI)
E4	NON-CORE	Repair Ballast Control Console (BCC) systems
E4	CORE	Repair salinity indicating systems (e.g., demineralizing systems, evaporators, reverse osmosis systems, etc.)
E5	NON-CORE	Repair Ship's Control Console (SCC) systems
E4	NON-CORE	Repair steering control systems
E4	CORE	Repair Tank Level Indicators (TLI)
E4	CORE	Replace Ballast Control Console (BCC) system components
E4	CORE	Test Ballast Control Console (BCC) systems
E4	CORE	Test salinity indicating systems (e.g., demineralizing systems, evaporators, reverse osmosis systems, etc.)
E5	NON-CORE	Test Ship's Control Console (SCC) systems
E4	NON-CORE	Test steering control systems
E4	CORE	Test Tank Level Indicators (TLI)
E4	CORE	Troubleshoot Ballast Control Console (BCC) systems
E4	CORE	Troubleshoot salinity indicating systems (e.g., demineralizing systems, evaporators, reverse osmosis systems, etc.)
E5	NON-CORE	Troubleshoot Ship's Control Console (SCC) systems
E4	NON-CORE	Troubleshoot steering control systems
E4	CORE	Troubleshoot Tank Level Indicators (TLI)

INTERIOR COMMUNICATIONS (IC)

Paygrade	Task Type	Task Statements
E4	CORE	Alter amplified voice communication systems
E4	CORE	Configure amplified voice communication systems
E4	CORE	Configure Interior Communications (IC) switchboards
E4	CORE	Configure public address systems
E4	CORE	Configure ship's announcing systems
E4	CORE	Configure ship's service telephone systems and peripherals (e.g., handsets, biscuit boxes, shore connections, etc.)
E4	CORE	Configure sound-powered telephone systems and peripherals (e.g., circuits, boxes, switchboards, bell buzzer systems, etc.)
E4	CORE	Erect public address systems
E4	CORE	Perform preventive maintenance on amplified voice communication systems
E4	CORE	Perform preventive maintenance on Interior Communications (IC) switchboards
E4	CORE	Perform preventive maintenance on ship's announcing systems
E4	CORE	Perform preventive maintenance on ship's service telephone systems and peripherals (e.g., handsets, biscuit boxes, shore connections, etc.)
E4	CORE	Perform preventive maintenance on sound-powered telephone systems and peripherals (e.g., circuits, boxes, switchboards, bell buzzer systems, etc.)
E4	CORE	Repair amplified voice communication systems
E5	CORE	Repair Interior Communications (IC) switchboards
E4	CORE	Repair ship's announcing systems
E4	CORE	Repair ship's service telephone systems and peripherals (e.g., handsets, biscuit boxes, shore connections, etc.)
E4	CORE	Repair sound-powered telephone systems and peripherals (e.g., circuits, boxes, switchboards, bell buzzer systems, etc.)
E4	CORE	Replace public address systems and components
E4	CORE	Test amplified voice communication systems
E4	CORE	Test Interior Communications (IC) switchboards
E4	CORE	Test public address systems
E4	CORE	Test ship's announcing systems
E4	CORE	Test ship's service telephone systems and peripherals (e.g., handsets, biscuit boxes, shore connections, etc.)
E4	CORE	Test sound-powered telephone systems and peripherals (e.g., circuits, boxes, switchboards, bell buzzer systems, etc.)
E4	CORE	Troubleshoot amplified voice communication systems
E5	CORE	Troubleshoot Interior Communications (IC) switchboards
E4	CORE	Troubleshoot public address systems
E4	CORE	Troubleshoot ship's announcing systems

INTERIOR COMMUNICATIONS (IC) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot ship's service telephone systems and peripherals (e.g., handsets, biscuit boxes, shore connections, etc.)
E4	CORE	Troubleshoot sound-powered telephone systems and peripherals (e.g., circuits, boxes, switchboards, bell buzzer systems, etc.)
E6	CORE	Verify ship's announcing systems configurations

MULTIMEDIA ENTERTAINMENT, COMMUNICATION, AND VIDEO MONITORING SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Align Television Direct-to-Sailor (TV-DTS) system antennas
E4	CORE	Alter telecommunication systems
E4	CORE	Broadcast Audio/Video (A/V) entertainment
E5	CORE	Broadcast telecommunications
E5	NON-CORE	Broadcast video communications
E4	CORE	Broadcast video monitoring feeds (e.g., Closed Circuit Televisions (CCTV), flight deck surveillance camera systems, etc.)
E4	CORE	Calibrate Television Direct-to-Sailor (TV-DTS) systems
E4	CORE	Configure Audio/Video (A/V) entertainment systems
E6	CORE	Configure centralized video distribution systems
E4	CORE	Configure telecommunication systems
E4	CORE	Configure Television Direct-to-Sailor (TV-DTS) systems
E5	CORE	Configure video communication systems
E4	CORE	Configure video monitoring systems (e.g., Closed Circuit Televisions (CCTV), flight deck surveillance camera systems, etc.)
E5	CORE	Install Audio/Video (A/V) entertainment systems
E5	CORE	Install centralized video distribution systems
E5	CORE	Install Television Direct-to-Sailor (TV-DTS) systems
E4	CORE	Inventory Naval media assets
E6	CORE	Manage implementation of telecommunication plans
E4	CORE	Perform preventive maintenance on Audio/Video (A/V) entertainment systems
E4	CORE	Perform preventive maintenance on centralized video distribution systems
E4	CORE	Perform preventive maintenance on Television Direct-to-Sailor (TV-DTS) systems
E4	CORE	Perform preventive maintenance on video monitoring systems (e.g., Closed Circuit Televisions (CCTV), flight deck surveillance camera systems, etc.)
E4	NON-CORE	Produce multimedia content
E4	CORE	Repair Audio/Video (A/V) entertainment systems
E4	CORE	Repair centralized video distribution systems
E4	CORE	Repair telecommunication systems
E4	CORE	Repair Television Direct-to-Sailor (TV-DTS) systems
E5	NON-CORE	Repair video communication systems
E4	CORE	Repair video monitoring systems (e.g., Closed Circuit Televisions (CCTV), flight deck surveillance camera systems, etc.)
E4	CORE	Test Audio/Video (A/V) entertainment systems

MULTIMEDIA ENTERTAINMENT, COMMUNICATION, AND VIDEO MONITORING SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test centralized video distribution systems
E4	CORE	Test telecommunication systems
E4	CORE	Test Television Direct-to-Sailor (TV-DTS) systems
E5	NON-CORE	Test video communication systems
E4	CORE	Test video monitoring systems (e.g., Closed Circuit Televisions (CCTV), flight deck surveillance camera systems, etc.)
E4	CORE	Troubleshoot Audio/Video (A/V) entertainment systems
E4	CORE	Troubleshoot centralized video distribution systems
E4	CORE	Troubleshoot telecommunication systems
E4	CORE	Troubleshoot Television Direct-to-Sailor (TV-DTS) systems
E5	NON-CORE	Troubleshoot video communication systems
E4	CORE	Troubleshoot video monitoring systems (e.g., Closed Circuit Televisions (CCTV), flight deck surveillance camera systems, etc.)
E6	CORE	Verify Television Direct-to-Sailor (TV-DTS) system configurations and alignments

NAVIGATION SYSTEMS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Calibrate navigation systems
E5	CORE	Calibrate wind speed and direction systems
E5	NON-CORE	Configure navigation systems
E5	CORE	Configure ship's speed systems
E4	CORE	Configure wind speed and direction systems
E4	NON-CORE	Perform preventive maintenance on navigation systems
E4	CORE	Perform preventive maintenance on ship's speed systems
E4	CORE	Perform preventive maintenance on wind speed and direction systems
E5	NON-CORE	Repair navigation systems
E5	CORE	Repair ship's speed systems
E4	CORE	Repair wind speed and direction systems
E6	CORE	Supervise wind speed and direction system corrective maintenance
E5	NON-CORE	Test navigation systems
E5	CORE	Test ship's speed systems
E4	CORE	Test wind speed and direction systems
E5	NON-CORE	Troubleshoot navigation systems
E5	CORE	Troubleshoot ship's speed systems
E4	CORE	Troubleshoot wind speed and direction systems

TECHNICAL CORE FUNDAMENTALS

Paygrade	Task Type	Task Statements
E5	CORE	Align electromechanical (synchro/servo) systems
E4	CORE	Align valves
E4	CORE	Alter Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) systems (e.g., video, audio, communication, etc.)
E4	CORE	Analyze blueprints and ship's drawings
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E4	CORE	Analyze technical manuals
E7	CORE	Assess Combat Information Center (CIC)/Combat Direction Center (CDC) systems operations and tactical impact
E4	CORE	Calibrate electromechanical (synchro/servo) systems
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Conduct watchstander briefs
E4	CORE	Configure Alternating Current (AC) circuits
E4	CORE	Configure combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E4	NON-CORE	Configure Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) systems (e.g., video, audio, communication, etc.)
E4	CORE	Configure digital circuits
E4	CORE	Configure Direct Current (DC) circuits
E4	CORE	Configure electromechanical (synchro/servo) systems
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E4	NON-CORE	Configure Tactical Air Navigation (TACAN) systems
E5	CORE	Control Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) effects on electronic systems
E6	CORE	Coordinate Combat Systems Alignment (CSA) evolutions
E7	CORE	Coordinate combat systems during casualty conditions
E7	CORE	Coordinate configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E6	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E4	CORE	Inspect cableways
E4	NON-CORE	Install Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) systems (e.g., video, audio, communication, etc.)

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Manage Combat Systems Alignment (CSA) evolutions
E6	CORE	Manage combat systems during casualty conditions
E6	CORE	Manage configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E4	CORE	Perform basic soldering on electrical and electronic equipment
E4	CORE	Perform Combat Systems Alignment (CSA) evolutions
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform corrosion prevention and control procedures on Interior Communications (IC) systems and equipment
E4	CORE	Perform external communications (i.e., ship-to-ship, ship-to-shore, and ship-to-air)
E4	CORE	Perform preventive maintenance on Alternating Current (AC) circuits
E4	NON-CORE	Perform preventive maintenance on Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) systems (e.g., video, audio, communication, etc.)
E4	CORE	Perform preventive maintenance on digital circuits
E4	CORE	Perform preventive maintenance on Direct Current (DC) circuits
E4	CORE	Perform preventive maintenance on electromechanical (synchro/servo) systems
E4	CORE	Perform preventive maintenance on valves
E5	NON-CORE	Procure Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) systems (e.g., video, audio, communication, etc.)
E4	CORE	Provide Interior Communications (IC) technical support
E4	CORE	Remove dead-ended cables
E4	CORE	Repair Alternating Current (AC) circuits
E5	NON-CORE	Repair Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) systems (e.g., video, audio, communication, etc.)
E5	CORE	Repair damaged electrical equipment
E4	CORE	Repair digital circuits
E4	CORE	Repair Direct Current (DC) circuits
E4	CORE	Repair electromechanical (synchro/servo) systems
E4	CORE	Repair fiber optic cables and connectors
E4	CORE	Repair interconnecting cables and connectors
E4	NON-CORE	Repair Line of Sight (LOS) tactical networks equipment
E4	CORE	Repair power conversion and distribution systems
E4	CORE	Repair power supplies
E4	NON-CORE	Repair Radio Frequency (RF) circuits

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Repair valves
E4	CORE	Replace Alternating Current and Direct Current (AC/DC) motors
E4	CORE	Replace valves
E4	CORE	Safeguard classified material
E4	CORE	Set Emission Control (EMCON) conditions
E5	CORE	Supervise combat systems during casualty conditions
E5	CORE	Supervise configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E4	CORE	Test Alternating Current (AC) circuits
E4	CORE	Test Alternating Current and Direct Current (AC/DC) motors
E4	CORE	Test Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) systems (e.g., video, audio, communication, etc.)
E4	CORE	Test digital circuits
E4	CORE	Test Direct Current (DC) circuits
E4	CORE	Test electromechanical (synchro/servo) systems
E4	CORE	Test fiber optic cables and connectors
E4	CORE	Test interconnecting cables and connectors
E4	CORE	Test power supplies
E4	NON-CORE	Test Radio Frequency (RF) circuits
E4	CORE	Test valves
E5	CORE	Train technicians in casualty control procedures
E4	CORE	Troubleshoot Alternating Current (AC) circuits
E4	CORE	Troubleshoot Alternating Current and Direct Current (AC/DC) motors
E4	CORE	Troubleshoot Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) systems (e.g., video, audio, communication, etc.)
E4	CORE	Troubleshoot digital circuits
E4	CORE	Troubleshoot Direct Current (DC) circuits
E4	CORE	Troubleshoot electromechanical (synchro/servo) systems
E4	CORE	Troubleshoot fiber optic cables and connectors
E4	CORE	Troubleshoot interconnecting cables and connectors
E4	NON-CORE	Troubleshoot Line of Sight (LOS) tactical networks equipment
E4	CORE	Troubleshoot power conversion and distribution systems
E4	CORE	Troubleshoot power supplies
E4	NON-CORE	Troubleshoot Radio Frequency (RF) circuits
E4	CORE	Troubleshoot valves

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Verify Alternating Current (AC) circuit configurations
E5	CORE	Verify digital circuit configurations
E5	CORE	Verify Direct Current (DC) circuit configurations
E6	CORE	Verify electromechanical (synchro/servo) configurations and alignments
E6	CORE	Verify valve alignments

VISUAL LANDING AIDS (VLA)

Paygrade	Task Type	Task Statements
E4	CORE	Align lift systems (i.e., hydraulic, pneumatic, and electromechanical)
E4	CORE	Calibrate lift systems (i.e., hydraulic, pneumatic, and electromechanical)
E4	CORE	Calibrate Visual Landing Aid (VLA) systems
E4	CORE	Configure Visual Landing Aid (VLA) systems
E4	CORE	Perform preventive maintenance on lift systems (i.e., hydraulic, pneumatic, and electromechanical)
E4	CORE	Perform preventive maintenance on Visual Landing Aid (VLA) systems
E4	CORE	Repair lift systems (i.e., hydraulic, pneumatic, and electromechanical)
E4	CORE	Repair Visual Landing Aid (VLA) systems
E4	CORE	Test lift systems (i.e., hydraulic, pneumatic, and electromechanical)
E4	CORE	Test Visual Landing Aid (VLA) systems
E4	CORE	Troubleshoot lift systems (i.e., hydraulic, pneumatic, and electromechanical)
E4	CORE	Troubleshoot Visual Landing Aid (VLA) systems

Job Title **Job Code**

Interior Communications Administrator 003735

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	INTERIOR COMMUNICATIONS ADMN	INT COMMS ADMN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IC	NEC UXXX, VXXX, 7XXX and other NECs as assigned

Job Description

Interior Communications Administrators supervise technicians and manage equipment and systems troubleshooting for testing efforts; direct and control a wide array of large projects between departments and contractors; prepare progress reports and maintenance schedules for Interior Communications (IC) systems; provide mentorship to develop technicians, operators, and junior personnel; draft and update Combat Systems Operational Sequencing System (CSOSS) procedures; and establish and monitor Quality Assurance (QA) programs and instructions.

DoD Relationship

Group Title	*DoD Code*
Interior Communications	162300

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Mechanics, Installers, and Repairers	49-1011.00	Installation, Maintenance, and Repair

Skills	Abilities
Management of Material Resources	*Written Comprehension*
Quality Control Analysis	*Information Ordering*
Systems Analysis	*Problem Sensitivity*
Systems Evaluation	*Oral Expression*
Management of Personnel Resources	*Written Expression*
Operation and Control	*Inductive Reasoning*
Judgment and Decision Making	*Time Sharing*
Coordination	*Deductive Reasoning*
Instructing	*Visualization*
Operation Monitoring	*Control Precision*

ALARM, SAFETY, AND WARNING SYSTEMS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Alter alarm, safety, and warning systems
E5	CORE	Verify alarm, safety, and warning systems configurations
E5	CORE	Verify Machinery Control Consoles (MCC) configurations

AUXILLARY POWER AND SUPPORT SYSTEMS

Paygrade	Task Type	Task Statements
E5	CORE	Verify backup power systems configurations
E5	CORE	Verify cathodic protection system configurations

DATA CONVERSION AND DISTRIBUTION

Paygrade	Task Type	Task Statements
E5	CORE	Inventory network software and firmware
E5	NON-CORE	Maintain network security
E5	CORE	Maintain system password accounts
E7	NON-CORE	Manage network security
E5	CORE	Manage network software and firmware operations
E6	CORE	Manage system password accounts
E6	NON-CORE	Supervise network security
E5	CORE	Update network software and firmware
E5	CORE	Verify data conversion and distribution systems configurations
E6	CORE	Verify network systems configurations

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	NON-CORE	Analyze equipment and system status data
E7	CORE	Approve equipment installations, testing, and alterations
E5	NON-CORE	Calibrate gauges (e.g., temperature, pressure, etc.)
E4	CORE	Collect equipment and system status data
E7	CORE	Coordinate equipment certifications and recertifications
E7	CORE	Coordinate equipment installations, testing, and alterations
E7	CORE	Develop equipment status briefs and reports
E4	CORE	Document equipment and system status data
E5	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E5	CORE	Interpret requirements from technical briefs, notices, and bulletins
E5	CORE	Inventory Maintenance Assistance Modules (MAM)
E4	CORE	Maintain Interior Communications (IC) systems and equipment calibration records
E7	CORE	Manage calibration programs
E7	CORE	Manage controlled equipment
E7	CORE	Manage divisional equipment and systems configurations
E7	CORE	Manage divisional maintenance operations
E6	CORE	Manage equipment certifications and recertifications
E7	CORE	Manage Maintenance Assistance Modules (MAM) usage
E7	CORE	Manage procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E7	CORE	Manage safety programs and instructions (e.g., aloft, electrical equipment, etc.)
E6	CORE	Supervise divisional equipment and systems configurations
E6	CORE	Supervise divisional maintenance operations
E5	CORE	Supervise equipment installations, testing, and alterations
E6	CORE	Supervise Maintenance Assistance Modules (MAM) usage
E5	CORE	Supervise work center equipment and systems configurations
E5	CORE	Supervise work center maintenance operations
E5	CORE	Verify electronic test equipment inventories
E6	CORE	Verify equipment installations, testing, and alterations
E6	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)

INDICATING, METERING, AND ORDERING

Paygrade	Task Type	Task Statements
E7	NON-CORE	Supervise steering control system corrective maintenance
E6	NON-CORE	Verify Ship's Control Console (SCC) system configurations

INTERIOR COMMUNICATIONS (IC)

Paygrade	Task Type	Task Statements
E7	CORE	Approve public address system designs
E6	CORE	Verify Interior Communications (IC) switchboard configurations
E6	CORE	Verify ship's service telephone system and peripherals (e.g., handsets, biscuit boxes, shore connections, etc.) configurations
E6	CORE	Verify sound-powered telephone system and peripherals (e.g., circuits, boxes, switchboards, bell buzzer systems, etc.) configurations

MULTIMEDIA ENTERTAINMENT, COMMUNICATION, AND VIDEO MONITORING SYSTEMS

Paygrade	Task Type	Task Statements
E7	CORE	Approve centralized video distribution system designs
E7	CORE	Approve multimedia content
E4	CORE	Inventory Naval media assets
E6	CORE	Manage implementation of telecommunication plans
E5	CORE	Manage Naval media assets
E6	CORE	Supervise Audio/Video (A/V) entertainment broadcasts
E7	CORE	Supervise video communication broadcasts
E6	CORE	Supervise video monitoring feed broadcasts (e.g., Closed Circuit Televisions (CCTV), flight deck surveillance camera systems, etc.)
E6	CORE	Verify Audio/Video (A/V) entertainment system installations
E6	CORE	Verify centralized video distribution system installations
E6	CORE	Verify multimedia content
E6	CORE	Verify telecommunication systems readiness
E6	CORE	Verify Television Direct-to-Sailor (TV-DTS) system configurations and alignments

NAVIGATION SYSTEMS

Paygrade	Task Type	Task Statements
E7	NON-CORE	Supervise navigation system corrective maintenance
E6	NON-CORE	Verify navigation systems configurations
E6	CORE	Verify ship's speed systems configurations

TECHNICAL CORE FUNDAMENTALS

Paygrade	Task Type	Task Statements
E5	CORE	Align electromechanical (synchro/servo) systems
E4	CORE	Analyze technical manuals
E7	CORE	Assess Combat Information Center (CIC)/Combat Direction Center (CDC) systems operations and tactical impact
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Conduct watchstander briefs
E7	CORE	Coordinate certification programs
E6	CORE	Coordinate Combat Systems Alignment (CSA) evolutions
E7	CORE	Coordinate combat systems during casualty conditions

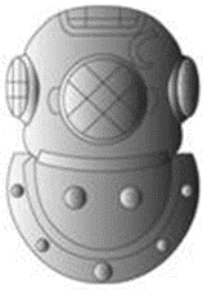
TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E6	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Draft Casualty Reports (CASREP)
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Manage certification programs
E5	CORE	Manage Combat Systems Alignment (CSA) evolutions
E6	CORE	Manage combat systems during casualty conditions
E7	CORE	Manage Combat Systems Operational Sequencing System (CSOSS) operations
E6	CORE	Manage configurations of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E7	CORE	Manage equipment Casualty Reporting (CASREP) process
E4	CORE	Perform external communications (i.e., ship-to-ship, ship-to-shore, and ship-to-air)
E5	NON-CORE	Procure Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) systems (e.g., video, audio, communication, etc.)
E4	CORE	Provide Interior Communications (IC) technical support
E4	CORE	Safeguard classified material
E5	CORE	Supervise certification programs
E6	CORE	Train personnel on Casualty Reports (CASREP) procedures
E5	CORE	Train technicians in casualty control procedures
E5	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E6	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)
E6	NON-CORE	Verify Commercial-Off-The-Shelf (COTS) and Non-Program of Record (Non-POR) system (e.g., video, audio, communication, etc.) configurations
E5	CORE	Verify digital circuit configurations
E6	CORE	Verify electromechanical (synchro/servo) configurations and alignments
E6	CORE	Verify valve alignments

VISUAL LANDING AIDS (VLA)

Paygrade	Task Type	Task Statements
E6	CORE	Monitor Quality Assurance (QA) programs on Visual Landing Aid (VLA) systems
E6	CORE	Supervise Visual Landing Aid (VLA) system corrective maintenance
E6	CORE	Verify lift system (i.e., hydraulic, pneumatic, and electromechanical) alignments
E6	CORE	Verify Visual Landing Aids (VLA) configurations

CHAPTER 44



NAVY DIVER
(ND)

NAVPERS 18068F-44B
Change 87

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NAVY ENLISTED OCCUPATIONAL STANDARDS

FOR

NAVY DIVER (ND)

SCOPE OF RATING

Navy Divers (ND) perform underwater salvage, recovery, repair, and maintenance on ships and submarines; search for and recover downed aircraft; conduct harbor clearance operations; provide assistance to military, federal, state, and local civilian law enforcement agencies in diving operations and procedures; maintain and repair diving equipment and systems; research and develop new diving techniques and procedures; conduct submarine rescue operations; maintain forms, records, correspondence, and files; and perform and supervise recompression chamber operations, hyperbaric treatment for diving and non-diving illnesses, open, closed, and semi-closed circuit Underwater Breathing Apparatus (UBA) diving, surface-supplied air and mixed-gas diving operations, demolition operations, and small arms proficiency.

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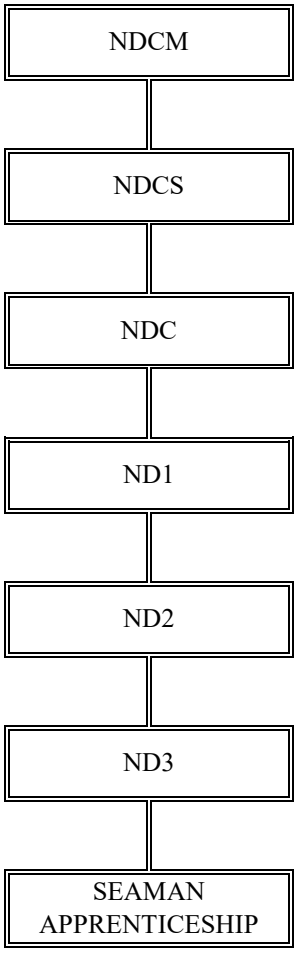
These Occupational Standards are to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 44.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN articles 1220-100, 1220-410 and 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Second Class Diver

Job Code

001100

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	SECOND CLASS DIVER	SCND CLASS DVR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ND	NEC M2DV or other NECs as assigned

Job Description

Second Class Divers perform diving operations utilizing all air and mixed gas United States Navy (USN) diving apparatus; operate, test, repair, and maintain all USN diving equipment, systems, and support equipment to include recompression chambers; perform underwater harbor/port/ship security inspections including ordnance searching and ship/submarine repair; perform salvage, expeditionary salvage and littoral combat, submarine rescue, and Special Warfare (SPECWAR) operations; perform underwater cutting and welding, demolition operations and small boat operations; operate Dry Deck Shelter (DDS) and submarine lock-in/lock-out systems; and are able to recognize symptoms and assist in treatment of diving and non-diving related (e.g., Unmanned Underwater Vehicle (UUV), Remotely Operated Vehicle (ROV), etc.) injuries.

DoD Relationship

Group Title	*DoD Code*
Divers	143300

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Commercial Divers	49-9092.00	Installation, Maintenance, and Repair

Skills	Abilities
Operation and Control	*Information Ordering*
Judgment and Decision Making	*Spatial Orientation*
Critical Thinking	*Multi-limb Coordination*
Monitoring	*Problem Sensitivity*
Quality Control Analysis	*Manual Dexterity*
Repairing	*Stamina*
Equipment Selection	*Control Precision*
Operation Monitoring	*Gross Body Coordination*
Coordination	*Written Comprehension*
Equipment Maintenance	*Deductive Reasoning*

HUMAN PERFORMANCE

Paygrade	Task Type	Task Statements
E4	CORE	Conduct combat simulation training
E4	CORE	Conduct endurance training
E4	CORE	Conduct load planning
E4	CORE	Conduct nutrition training
E4	CORE	Conduct physical therapy/rehabilitation training
E4	CORE	Conduct strength training
E4	CORE	Establish wellness and resiliency plans (e.g., operational stress, mental/behavioral health, etc.)
E4	CORE	Implement wellness and resiliency measures (e.g., mind, body, etc.)
E4	CORE	Maintain individual wellness and resilience

CUTTING, WELDING AND ANCILLARY EQUIPMENT OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct surface communications
E4	CORE	Employ electrical diving equipment
E4	CORE	Employ electronic diving equipment
E4	CORE	Employ hydraulic equipment
E4	CORE	Employ pneumatic tools
E4	CORE	Perform Diving Weight Handling Systems (DWHS) operations

CUTTING, WELDING AND ANCILLARY EQUIPMENT OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform underwater cutting
E4	CORE	Perform underwater recording operations (e.g., audiovisual equipment, borescope, etc.)
E4	CORE	Perform underwater welding operations

DIVING ADMINISTRATION, RESOURCES, RELATIONS AND MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Conduct diving assessments and inspections (e.g. safety survey checklists, supervisor drills, etc.)
E5	CORE	Draft diving administration documentation
E5	CORE	Maintain diving administrative records
E4	CORE	Perform Diver Life Support Systems (DLSS) re-entry control procedures
E4	CORE	Prepare diving resources and requirements (e.g., equipment, paperwork, etc.)
E4	CORE	Validate diver-related blueprints

DIVING MEDICINE AND RECOMPRESSION CHAMBER OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Administer basic diving and altitude Decompression Sickness (DCS) treatment
E4	CORE	Administer basic first aid
E4	CORE	Align recompression chamber systems
E4	CORE	Employ hyperbaric chamber support equipment
E5	CORE	Evaluate patients before, during, and after hyperbaric treatments

DIVING OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct aviation egress survival training
E4	CORE	Conduct submarine egress survival training
E4	CORE	Conduct submarine rescue operations
E4	CORE	Conduct underwater communications
E4	CORE	Employ air Surface-Supplied Diving Systems (SSDS)
E5	NON-CORE	Employ atmospheric diving systems (Pressurized Rescue Module (PRM), Submarine Rescue Chamber (SRC), and Atmospheric Diving Systems Suit (ADS))
E4	CORE	Employ Diver Life Support Equipment (DLSE)
E4	CORE	Employ Gas Transfer Systems (GTS)
E4	CORE	Navigate small boats
E4	CORE	Perform closed and semi-closed circuit Underwater Breathing Apparatus (UBA) dives
E4	CORE	Perform contaminated and cold water diving operations
E4	CORE	Perform diving operations with Navy Dive Computers (NDC)
E5	CORE	Perform maintenance on certified diving systems and Underwater Breathing Apparatuses (UBA)
E4	CORE	Perform open-circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dives
E5	CORE	Perform saturation dives
E4	CORE	Perform surface-supplied diving operations
E4	CORE	Perform swift water diving operations

DIVING OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Variable Volume Dry Suit (VVDS) diving operations
E5	CORE	Supervise small boat operations

EXPEDITIONARY OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Administer combat life-saving medical treatments
E4	CORE	Conduct land navigation
E4	NON-CORE	Conduct strike mounted tactical movements
E4	CORE	Conduct tactical communications
E4	NON-CORE	Maintain crew served weapons
E4	NON-CORE	Maintain small arms
E4	NON-CORE	Perform advanced small arms techniques

SALVAGE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Perform mooring/Dynamic Positioning (DP) operations
E4	CORE	Conduct salvage surveys
E4	CORE	Maintain salvage equipment
E4	CORE	Perform rigging operations (e.g., towing, heavy lifting, etc.)
E4	CORE	Perform salvage operations

SPECIAL WARFARE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Perform Dry Deck Shelter (DDS) operations
E4	CORE	Perform Lock Out Chamber (LOC) operations
E4	CORE	Perform Lock Out Trunk (LOT) operations

UNDERWATER SEARCH AND RECOVERY AND DEMOLITION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Perform demolition evolutions
E4	CORE	Perform ordnance searches (e.g., Antiterrorism Force Protection (ATFP), Mine Exercise (MineX), etc.)
E5	CORE	Perform Remote Operation Vehicle (ROV) operations
E5	CORE	Perform side scan sonar searches
E4	CORE	Perform underwater recovery of light items (e.g., ordnance, bodies, weapons, equipment, etc.)
E4	CORE	Perform underwater searches
E4	CORE	Perform underwater sound transmitter receiver operations
E4	NON-CORE	Store demolition materials
E4	NON-CORE	Transport Arms, Ammunition and Explosives (AA&E)

UNDERWATER SHIP AND SUBMARINE MAINTENANCE AND REPAIR

Paygrade	Task Type	Task Statements
E4	CORE	Conduct Battle Damage Assessment (BDA)
E4	CORE	Conduct Radiological Control (RADCON)

UNDERWATER SHIP AND SUBMARINE MAINTENANCE AND REPAIR (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Inspect drydocking
E4	CORE	Inspect submarine underwater hulls
E4	CORE	Inspect surface ship underwater hulls
E4	CORE	Install cofferdams (submarine and surface ship)
E4	CORE	Repair cranes and rigging
E4	CORE	Repair enclosed-space components (submarine and surface ship)
E4	CORE	Repair hull penetrations
E4	CORE	Repair submarine hull and mechanical systems
E4	CORE	Repair submarine propulsion and steering systems
E4	CORE	Repair submarine sensor systems
E4	CORE	Repair submarine weapon systems
E4	CORE	Repair surface ship hull and mechanical systems
E4	CORE	Repair surface ship masking systems
E4	CORE	Repair surface ship propulsion and steering systems
E4	CORE	Repair surface ship sensor systems
E4	NON-CORE	Repair underwater facilities (e.g., caisson door, degaussing range, electrical cables, etc.)

Job Title
First Class Diver

Job Code
001105

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	FIRST CLASS DIVER	FRST CLASS DVR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ND	NEC M1DV or other NECs as assigned

Job Description
First Class Divers supervise diving operations utilizing all air and mixed gas United States Navy (USN) diving apparatus; supervise the test, repair, and maintenance of all USN Diving equipment, systems, and support equipment to include recompression chambers; supervise underwater harbor/port/ship security inspections including ordnance searching and ship/submarine repairs; supervise salvage, expeditionary salvage and littoral combat, submarine rescue, and Special Warfare (SPECWAR) operations; supervise underwater cutting and welding, demolition operations, and small boat operations; supervise Dry Deck Shelter (DDS), submarine lock-in/lock-out systems, and submarine rescue chambers; able to diagnose and administer treatment of diving and non-diving related injuries (e.g., Unmanned Underwater Vehicle (UUV), Remotely Operated Vehicle (ROV), etc.); train USN Department of Defense (DoD) military and other personnel in diving procedures, equipment, and systems; and operate, maintain, and support saturation/deep dive systems and equipment.

DoD Relationship

Group Title	*DoD Code*
Divers	143300

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Commercial Divers	49-9092.00	Installation, Maintenance, and Repair

Skills	Abilities
Operation and Control	*Information Ordering*
Judgment and Decision Making	*Problem Sensitivity*
Critical Thinking	*Inductive Reasoning*
Management of Personnel Resources	*Oral Expression*
Monitoring	*Written Comprehension*
Quality Control Analysis	*Deductive Reasoning*
Coordination	*Spatial Orientation*
Equipment Selection	*Multi-limb Coordination*
Operation Monitoring	*Control Precision*
Repairing	*Stamina*

HUMAN PERFORMANCE

Paygrade	Task Type	Task Statements
E6	CORE	Assess individual/team wellness and resiliency plans
E4	CORE	Conduct combat simulation training
E4	CORE	Conduct endurance training
E4	CORE	Conduct load planning
E4	CORE	Conduct nutrition training
E4	CORE	Conduct physical therapy/rehabilitation training
E4	CORE	Conduct strength training
E4	CORE	Establish wellness and resiliency plans (e.g., operational stress, mental/behavioral health, etc.)
E4	CORE	Implement wellness and resiliency measures (e.g., mind, body, etc.)
E4	CORE	Maintain individual wellness and resilience
E6	CORE	Manage physical conditioning training
E5	CORE	Plan physical conditioning training
E5	CORE	Supervise physical conditioning training

CUTTING, WELDING AND ANCILLARY EQUIPMENT OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct surface communications
E4	CORE	Employ electrical diving equipment
E4	CORE	Employ electronic diving equipment
E4	CORE	Employ hydraulic equipment
E4	CORE	Employ pneumatic tools
E4	CORE	Perform Diving Weight Handling Systems (DWHS) operations
E4	CORE	Perform underwater cutting
E4	CORE	Perform underwater recording operations (e.g., audiovisual equipment, borescope, etc.)
E4	CORE	Perform underwater welding operations
E6	CORE	Supervise underwater cutting operations
E6	CORE	Supervise underwater welding operations

DIVING ADMINISTRATION, RESOURCES, RELATIONS AND MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Approve diving administrative documentation
E5	CORE	Brief diving jobs
E6	CORE	Brief diving missions
E5	CORE	Conduct diving assessments and inspections (e.g. safety survey checklists, supervisor drills, etc.)
E5	CORE	Draft diving administration documentation
E5	CORE	Maintain diving administrative records
E7	CORE	Manage financial resources for Divers' Life Support Systems (DLSS) equipment
E4	CORE	Perform Diver Life Support Systems (DLSS) re-entry control procedures
E4	CORE	Prepare diving resources and requirements (e.g., equipment, paperwork, etc.)
E7	CORE	Supervise diving assessments and inspections
E4	CORE	Validate diver-related blueprints

DIVING AND SALVAGE MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Coordinate repairs with ships' schedules
E7	CORE	Manage Controlled Work Procedures (CWP)
E7	CORE	Manage dive site surveys
E7	CORE	Manage diving safety programs
E6	CORE	Manage diving systems certifications
E6	CORE	Manage equipment loadouts
E6	CORE	Manage Formal Work Procedures (FWP)
E7	NON-CORE	Manage Hazardous Material (HAZMAT) certification programs
E6	CORE	Plan ship repair operations
E6	CORE	Plan submarine repair operations
E6	CORE	Supervise Radiological Control (RADCON) procedures
E6	CORE	Supervise salvage operations
E7	CORE	Supervise saturation diving operations

DIVING MEDICINE AND RECOMPRESSION CHAMBER OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Administer advanced diving and altitude Decompression Sickness (DCS) treatment
E4	CORE	Administer basic diving and altitude Decompression Sickness (DCS) treatment
E4	CORE	Administer basic first aid
E4	CORE	Align recompression chamber systems
E5	CORE	Conduct manned testing
E5	CORE	Conduct unmanned testing
E4	CORE	Employ hyperbaric chamber support equipment
E5	CORE	Evaluate patients before, during, and after hyperbaric treatments
E6	CORE	Manage treatment of diving and aviation Decompression Sickness (DCS) related injuries
E6	CORE	Supervise hyperbaric recompression chamber operations

DIVING OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Assess saturation diving life support system operations
E4	CORE	Conduct aviation egress survival training
E4	CORE	Conduct submarine egress survival training
E4	CORE	Conduct submarine rescue operations
E4	CORE	Conduct underwater communications
E7	CORE	Coordinate joint diving operations with governmental agencies and international militaries
E7	CORE	Direct saturation diving operations
E4	CORE	Employ air Surface-Supplied Diving Systems (SSDS)
E5	NON-CORE	Employ atmospheric diving systems (Pressurized Rescue Module (PRM), Submarine Rescue Chamber (SRC), and Atmospheric Diving Systems Suit (ADS))
E4	CORE	Employ Diver Life Support Equipment (DLSE)
E4	CORE	Employ Gas Transfer Systems (GTS)
E5	CORE	Employ mixed-gas Surface-Supplied Diving Systems (SSDS)
E5	CORE	Employ navigation equipment
E5	CORE	Maintain saturation diving life support systems
E4	CORE	Navigate small boats
E4	CORE	Perform closed and semi-closed circuit Underwater Breathing Apparatus (UBA) dives
E4	CORE	Perform contaminated and cold water diving operations
E4	CORE	Perform diving operations with Navy Dive Computers (NDC)
E5	CORE	Perform maintenance on certified diving systems and Underwater Breathing Apparatuses (UBA)
E4	CORE	Perform open-circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dives
E5	CORE	Perform saturation dives
E4	CORE	Perform surface-supplied diving operations
E4	CORE	Perform swift water diving operations
E4	CORE	Perform Variable Volume Dry Suit (VVDS) diving operations

DIVING OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Plan aviation egress survival training
E7	CORE	Plan submarine egress survival training
E7	CORE	Plan submarine rescue operations
E6	CORE	Supervise air surface-supplied dives
E6	NON-CORE	Supervise atmospheric diving system operations (e.g. Pressurized Rescue Module (PRM), Submarine Rescue Chamber (SRC), Atmospheric Diving Systems Suit (ADS), etc.)
E6	NON-CORE	Supervise aviation egress survival training
E6	CORE	Supervise closed and semi-closed circuit Underwater Breathing Apparatus (UBA) dives
E6	NON-CORE	Supervise manned and unmanned testing of Diver's Life Support Systems (DLSS) (i.e. Research Development Testing and Evaluation (RDT&E))
E6	CORE	Supervise mixed-gas surface-supplied dives
E6	CORE	Supervise open-circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dives
E5	CORE	Supervise small boat operations
E6	NON-CORE	Supervise submarine egress survival training
E7	CORE	Supervise submarine rescue operations
E6	CORE	Supervise underwater searches

EXPEDITIONARY OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Administer combat life-saving medical treatments
E5	NON-CORE	Conduct crew served weapons training
E6	NON-CORE	Conduct dismounted tactical movements
E4	CORE	Conduct land navigation
E4	NON-CORE	Conduct strike mounted tactical movements
E4	CORE	Conduct tactical communications
E4	NON-CORE	Maintain crew served weapons
E4	NON-CORE	Maintain small arms
E4	NON-CORE	Perform advanced small arms techniques
E6	NON-CORE	Plan mounted movements
E6	NON-CORE	Supervise employment of small arms

SALVAGE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Perform mooring/Dynamic Positioning (DP) operations
E4	CORE	Conduct salvage surveys
E4	CORE	Maintain salvage equipment
E4	CORE	Perform rigging operations (e.g., towing, heavy lifting, etc.)
E4	CORE	Perform salvage operations
E6	CORE	Supervise mooring/Dynamic Positioning (DP) operations

SALVAGE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise rigging equipment operations (e.g. towing, heavy lifting, etc.)
E6	CORE	Supervise salvage equipment operations

SPECIAL WARFARE OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Manage Lock Out Chamber (LOC) operations
E6	CORE	Manage Lock Out Trunk (LOT) operations
E4	CORE	Perform Dry Deck Shelter (DDS) operations
E4	CORE	Perform Lock Out Chamber (LOC) operations
E4	CORE	Perform Lock Out Trunk (LOT) operations
E6	CORE	Supervise Dry Deck Shelter (DDS) operations

UNDERWATER SEARCH AND RECOVERY AND DEMOLITION OPERATIONS

Paygrade	Task Type	Task Statements
E7	NON-CORE	Manage Arms, Ammunition, and Explosives (AA&E) programs
E4	CORE	Perform demolition evolutions
E4	CORE	Perform ordnance searches (e.g., Antiterrorism Force Protection (ATFP), Mine Exercise (MineX), etc.)
E5	CORE	Perform Remote Operation Vehicle (ROV) operations
E5	CORE	Perform side scan sonar searches
E4	CORE	Perform underwater recovery of light items (e.g., ordnance, bodies, weapons, equipment, etc.)
E4	CORE	Perform underwater searches
E4	CORE	Perform underwater sound transmitter receiver operations
E4	NON-CORE	Store demolition materials
E6	CORE	Supervise demolition operations
E6	CORE	Supervise underwater recovery of light items (e.g. ordnance, bodies, weapons, equipment, etc.)
E4	NON-CORE	Transport Arms, Ammunition and Explosives (AA&E)

UNDERWATER SHIP AND SUBMARINE MAINTENANCE AND REPAIR

Paygrade	Task Type	Task Statements
E4	CORE	Conduct Battle Damage Assessment (BDA)
E4	CORE	Conduct Radiological Control (RADCON)
E4	CORE	Inspect drydocking
E4	CORE	Inspect submarine underwater hulls
E4	CORE	Inspect surface ship underwater hulls
E4	CORE	Install cofferdams (submarine and surface ship)
E7	CORE	Manage ship and submarine repairs
E4	CORE	Repair cranes and rigging
E4	CORE	Repair enclosed-space components (submarine and surface ship)
E4	CORE	Repair hull penetrations
E4	CORE	Repair submarine hull and mechanical systems

UNDERWATER SHIP AND SUBMARINE MAINTENANCE AND REPAIR (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair submarine propulsion and steering systems
E4	CORE	Repair submarine sensor systems
E4	CORE	Repair submarine weapon systems
E4	CORE	Repair surface ship hull and mechanical systems
E4	CORE	Repair surface ship masking systems
E4	CORE	Repair surface ship propulsion and steering systems
E4	CORE	Repair surface ship sensor systems
E4	NON-CORE	Repair underwater facilities (e.g., caisson door, degaussing range, electrical cables, etc.)
E6	CORE	Supervise cofferdam installations
E6	CORE	Supervise enclosed-space diving waterborne repairs
E6	CORE	Supervise hull inspections
E6	CORE	Supervise hull repairs
E6	CORE	Supervise repair of hull penetrations
E6	CORE	Supervise running gear repairs
E6	CORE	Supervise submarine ship propulsion and steering system repairs
E6	NON-CORE	Supervise underwater facilities repairs (e.g. caisson door, degaussing range, electrical cables, etc.)
E6	CORE	Supervise underwater ship repairs
E6	CORE	Supervise underwater submarine repairs
E6	CORE	Supervise waterborne dry dock operations

Job Title
Master Diver

Job Code
001110

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	MASTER DIVER	MASTER DVR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ND	NEC MMDV or other NECs as assigned

Job Description
Master Divers are experts in all operational and emergency procedures involving diving and salvage; possess a thorough knowledge of mixing and analysis of gases, computation of diver gas requirements and consumptions, salvage theory and methods, submarine rescue operations, towing, and underwater ship husbandry; manage preventive and corrective maintenance on diving equipment, support systems, salvage machinery, handling systems, and submarine rescue systems; manage and administer certification and quality assurance programs on diving systems and equipment to include Research, Deployment, Test, and Evaluation (RDT&E); and are responsible for all training and readiness assessments of the diving force.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Divers	143300	Commercial Divers	49-9092.00	Installation, Maintenance, and Repair

Skills	Abilities
Operation and Control	*Information Ordering*
Judgment and Decision Making	*Problem Sensitivity*
Critical Thinking	*Inductive Reasoning*
Management of Personnel Resources	*Oral Expression*
Monitoring	*Written Comprehension*
Coordination	*Deductive Reasoning*
Quality Control Analysis	*Spatial Orientation*
Equipment Selection	*Multi-limb Coordination*
Operation Monitoring	*Control Precision*
Repairing	*Stamina*

HUMAN PERFORMANCE

Paygrade	Task Type	Task Statements
E6	CORE	Assess individual/team wellness and resiliency plans
E4	CORE	Conduct combat simulation training
E4	CORE	Conduct endurance training
E4	CORE	Conduct load planning
E4	CORE	Conduct nutrition training
E4	CORE	Conduct physical therapy/rehabilitation training
E4	CORE	Conduct strength training
E4	CORE	Establish wellness and resiliency plans (e.g., operational stress, mental/behavioral health, etc.)
E4	CORE	Implement wellness and resiliency measures (e.g., mind, body, etc.)
E4	CORE	Maintain individual wellness and resilience
E6	CORE	Manage physical conditioning training
E5	CORE	Plan physical conditioning training
E5	CORE	Supervise physical conditioning training

CUTTING, WELDING AND ANCILLARY EQUIPMENT OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct surface communications
E4	CORE	Employ electrical diving equipment

CUTTING, WELDING AND ANCILLARY EQUIPMENT OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Employ electronic diving equipment
E4	CORE	Employ hydraulic equipment
E4	CORE	Employ pneumatic tools
E4	CORE	Perform Diving Weight Handling Systems (DWHS) operations
E4	CORE	Perform underwater cutting
E4	CORE	Perform underwater recording operations (e.g., audiovisual equipment, borescope, etc.)
E4	CORE	Perform underwater welding operations
E6	CORE	Supervise underwater cutting operations
E6	CORE	Supervise underwater welding operations

DIVING ADMINISTRATION, RESOURCES, RELATIONS AND MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Approve diving administrative documentation
E5	CORE	Brief diving jobs
E6	CORE	Brief diving missions
E5	CORE	Conduct diving assessments and inspections (e.g. safety survey checklists, supervisor drills, etc.)
E5	CORE	Draft diving administration documentation
E5	CORE	Maintain diving administrative records
E7	CORE	Manage financial resources for Divers' Life Support Systems (DLSS) equipment
E4	CORE	Perform Diver Life Support Systems (DLSS) re-entry control procedures
E4	CORE	Prepare diving resources and requirements (e.g., equipment, paperwork, etc.)
E7	CORE	Supervise diving assessments and inspections
E4	CORE	Validate diver-related blueprints

DIVING AND SALVAGE MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Coordinate repairs with ships' schedules
E7	CORE	Manage Controlled Work Procedures (CWP)
E7	CORE	Manage dive site surveys
E7	CORE	Manage diving safety programs
E6	CORE	Manage diving systems certifications
E6	CORE	Manage equipment loadouts
E6	CORE	Manage Formal Work Procedures (FWP)
E7	NON-CORE	Manage Hazardous Material (HAZMAT) certification programs
E7	CORE	Manage Navy diving programs
E6	CORE	Plan ship repair operations
E6	CORE	Plan submarine repair operations
E6	CORE	Supervise Radiological Control (RADCON) procedures
E6	CORE	Supervise salvage operations
E7	CORE	Supervise saturation diving operations

DIVING MEDICINE AND RECOMPRESSION CHAMBER OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Administer advanced diving and altitude Decompression Sickness (DCS) treatment
E4	CORE	Administer basic diving and altitude Decompression Sickness (DCS) treatment
E4	CORE	Administer basic first aid
E4	CORE	Align recompression chamber systems
E5	CORE	Conduct manned testing
E5	CORE	Conduct unmanned testing
E4	CORE	Employ hyperbaric chamber support equipment
E5	CORE	Evaluate patients before, during, and after hyperbaric treatments
E6	CORE	Manage treatment of diving and aviation Decompression Sickness (DCS) related injuries
E6	CORE	Supervise hyperbaric recompression chamber operations

DIVING OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Assess saturation diving life support system operations
E4	CORE	Conduct aviation egress survival training
E4	CORE	Conduct submarine egress survival training
E4	CORE	Conduct submarine rescue operations
E4	CORE	Conduct underwater communications
E7	CORE	Coordinate joint diving operations with governmental agencies and international militaries
E7	CORE	Direct saturation diving operations
E4	CORE	Employ air Surface-Supplied Diving Systems (SSDS)
E5	NON-CORE	Employ atmospheric diving systems (Pressurized Rescue Module (PRM), Submarine Rescue Chamber (SRC), and Atmospheric Diving Systems Suit (ADS))
E4	CORE	Employ Diver Life Support Equipment (DLSE)
E4	CORE	Employ Gas Transfer Systems (GTS)
E5	CORE	Employ mixed-gas Surface-Supplied Diving Systems (SSDS)
E5	CORE	Employ navigation equipment
E5	CORE	Maintain saturation diving life support systems
E4	CORE	Navigate small boats
E4	CORE	Perform closed and semi-closed circuit Underwater Breathing Apparatus (UBA) dives
E4	CORE	Perform contaminated and cold water diving operations
E4	CORE	Perform diving operations with Navy Dive Computers (NDC)
E5	CORE	Perform maintenance on certified diving systems and Underwater Breathing Apparatuses (UBA)
E4	CORE	Perform open-circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dives
E5	CORE	Perform saturation dives
E4	CORE	Perform surface-supplied diving operations
E4	CORE	Perform swift water diving operations
E4	CORE	Perform Variable Volume Dry Suit (VVDS) diving operations

DIVING OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Plan aviation egress survival training
E7	CORE	Plan submarine egress survival training
E7	CORE	Plan submarine rescue operations
E6	CORE	Supervise air surface-supplied dives
E6	NON-CORE	Supervise atmospheric diving system operations (e.g. Pressurized Rescue Module (PRM), Submarine Rescue Chamber (SRC), Atmospheric Diving Systems Suit (ADS), etc.)
E6	NON-CORE	Supervise aviation egress survival training
E6	CORE	Supervise closed and semi-closed circuit Underwater Breathing Apparatus (UBA) dives
E6	NON-CORE	Supervise manned and unmanned testing of Diver's Life Support Systems (DLSS) (i.e. Research Development Testing and Evaluation (RDT&E))
E6	CORE	Supervise mixed-gas surface-supplied dives
E6	CORE	Supervise open-circuit Self-Contained Underwater Breathing Apparatus (SCUBA) dives
E5	CORE	Supervise small boat operations
E6	NON-CORE	Supervise submarine egress survival training
E7	CORE	Supervise submarine rescue operations
E6	CORE	Supervise underwater searches

EXPEDITIONARY OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Administer combat life-saving medical treatments
E5	NON-CORE	Conduct crew served weapons training
E6	NON-CORE	Conduct dismounted tactical movements
E4	CORE	Conduct land navigation
E4	NON-CORE	Conduct strike mounted tactical movements
E4	CORE	Conduct tactical communications
E4	NON-CORE	Maintain crew served weapons
E4	NON-CORE	Maintain small arms
E4	NON-CORE	Perform advanced small arms techniques
E6	NON-CORE	Plan mounted movements
E6	NON-CORE	Supervise employment of small arms

SALVAGE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Perform mooring/Dynamic Positioning (DP) operations
E4	CORE	Conduct salvage surveys
E4	CORE	Maintain salvage equipment
E4	CORE	Perform rigging operations (e.g., towing, heavy lifting, etc.)
E4	CORE	Perform salvage operations
E6	CORE	Supervise mooring/Dynamic Positioning (DP) operations
E6	CORE	Supervise rigging equipment operations (e.g. towing, heavy lifting, etc.)
E6	CORE	Supervise salvage equipment operations

SPECIAL WARFARE OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Manage Dry Deck Shelter (DDS) operations
E6	CORE	Manage Lock Out Chamber (LOC) operations
E6	CORE	Manage Lock Out Trunk (LOT) operations
E4	CORE	Perform Dry Deck Shelter (DDS) operations
E4	CORE	Perform Lock Out Chamber (LOC) operations
E4	CORE	Perform Lock Out Trunk (LOT) operations
E6	CORE	Supervise Dry Deck Shelter (DDS) operations
E7	CORE	Supervise Lock Out Chamber (LOC) operations
E7	CORE	Supervise Lock Out Trunk (LOT) operations

UNDERWATER SEARCH AND RECOVERY AND DEMOLITION OPERATIONS

Paygrade	Task Type	Task Statements
E7	NON-CORE	Manage Arms, Ammunition, and Explosives (AA&E) programs
E4	CORE	Perform demolition evolutions
E4	CORE	Perform ordnance searches (e.g., Antiterrorism Force Protection (ATFP), Mine Exercise (MineX), etc.)
E5	CORE	Perform Remote Operation Vehicle (ROV) operations
E5	CORE	Perform side scan sonar searches
E4	CORE	Perform underwater recovery of light items (e.g., ordnance, bodies, weapons, equipment, etc.)
E4	CORE	Perform underwater searches
E4	CORE	Perform underwater sound transmitter receiver operations
E4	NON-CORE	Store demolition materials
E6	CORE	Supervise demolition operations
E6	CORE	Supervise underwater recovery of light items (e.g. ordnance, bodies, weapons, equipment, etc.)
E4	NON-CORE	Transport Arms, Ammunition and Explosives (AA&E)

UNDERWATER SHIP AND SUBMARINE MAINTENANCE AND REPAIR

Paygrade	Task Type	Task Statements
E4	CORE	Conduct Battle Damage Assessment (BDA)
E4	CORE	Conduct Radiological Control (RADCON)
E4	CORE	Inspect drydocking
E4	CORE	Inspect submarine underwater hulls
E4	CORE	Inspect surface ship underwater hulls
E4	CORE	Install cofferdams (submarine and surface ship)
E7	CORE	Manage ship and submarine repairs
E7	CORE	Manage underwater repair facilities
E4	CORE	Repair cranes and rigging
E4	CORE	Repair enclosed-space components (submarine and surface ship)
E4	CORE	Repair hull penetrations
E4	CORE	Repair submarine hull and mechanical systems

UNDERWATER SHIP AND SUBMARINE MAINTENANCE AND REPAIR (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair submarine propulsion and steering systems
E4	CORE	Repair submarine sensor systems
E4	CORE	Repair submarine weapon systems
E4	CORE	Repair surface ship hull and mechanical systems
E4	CORE	Repair surface ship masking systems
E4	CORE	Repair surface ship propulsion and steering systems
E4	CORE	Repair surface ship sensor systems
E4	NON-CORE	Repair underwater facilities (e.g., caisson door, degaussing range, electrical cables, etc.)
E6	CORE	Supervise cofferdam installations
E6	CORE	Supervise enclosed-space diving waterborne repairs
E6	CORE	Supervise hull inspections
E6	CORE	Supervise hull repairs
E6	CORE	Supervise repair of hull penetrations
E6	CORE	Supervise running gear repairs
E6	CORE	Supervise submarine ship propulsion and steering system repairs
E6	NON-CORE	Supervise underwater facilities repairs (e.g. caisson door, degaussing range, electrical cables, etc.)
E6	CORE	Supervise underwater ship repairs
E6	CORE	Supervise underwater submarine repairs
E6	CORE	Supervise waterborne dry dock operations

CHAPTER 45

INTELLIGENCE SPECIALIST
(IS)

NAVPERS 18068F-45J
Change 101

Updated: January 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

INTELLIGENCE SPECIALIST (IS)

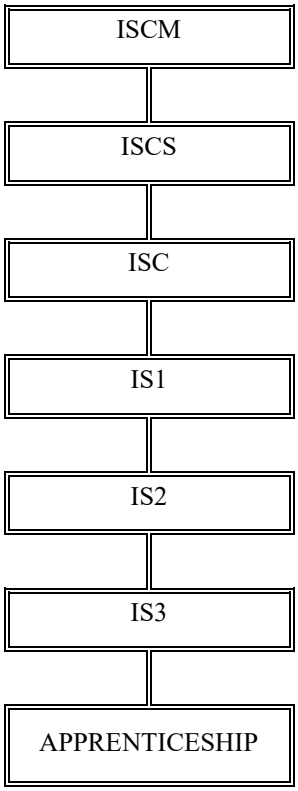
SCOPE OF RATING

Intelligence Specialists (IS) assist in every phase of the planning, collection, processing, analysis, and dissemination of intelligence in support of all warfare domains, both ashore and afloat; prepare and present intelligence products; provide input to and receive data from organic and non-organic sources; and maintain files, libraries, and databases.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 45.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Strike Warfare Intelligence Analyst 001399

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Architecture and Engineering	TBD	STRIKE WARFARE INTEL ANALYST	STRIKE ANALYST

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IS	NEC KXXX series and other NECs as assigned

Job Description

Strike Warfare Intelligence Analysts perform Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) of all-source tactical intelligence; perform tactical and operational level research and analysis; assist in the management of Joint/Afloat targeting process; assist in parsing the Air Tasking Order (ATO), Air Combat Operations (ACO), and Carrier Air Wing (CVW); assist in management of flight schedules and Special Instructions (SPINS); conduct analysis of force disposition, capabilities, tactics, and training in support of strike mission planning; provide support of Suppression of Enemy Air Defense (SEAD); identify adversary critical nodes and centers of gravity to maximize force employment; conduct target development, dynamic and deliberate targeting, and precise geopositioning and mensuration; conduct Battle Damage Assessment (BDA), Bomb Hit Assessment (BHA), and Collateral Damage Estimates (CDE); produce precise navigational aids and products for Precision Guided Munitions (PGM); use various tactical databases/systems, tools, and applications to produce textual and graphical representations of the operational area, Target Folders, Kneeboard Products, and tactical intelligence reports and briefings; maintain and update local/unit target deck/list; perform imagery ingest and screening; maintain local image library of National Geospatial-Intelligence Agency (NGA) approved imagery for geopositioning and mensuration use; and assist in Combat Search and Rescue (CSAR) and Close Air Support (CAS) operations.

DoD Relationship

Group Title	*DoD Code*
Image Interpretation	124200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Cartographers and Photogrammetrists	17-1021.00	Architecture and Engineering

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Complex Problem Solving	*Written Expression*
Judgment and Decision Making	*Oral Expression*
Monitoring	*Written Comprehension*
Operations Analysis	*Fluency of Ideas*
Active Learning	*Inductive Reasoning*
Coordination	*Category Flexibility*
Quality Control Analysis	*Information Ordering*
Equipment Selection	*Problem Sensitivity*
Writing	*Speed of Closure*

ANALYSIS

Paygrade	Task Type	Task Statements
E5	CORE	Analyze adversary capabilities and limitations
E4	CORE	Analyze all-source information
E4	CORE	Analyze all-source intelligence across all warfare domains
E4	CORE	Analyze collection results
E4	CORE	Analyze Indications and Warnings (I&W)
E4	CORE	Analyze strike mission threats
E4	CORE	Apply geographic positioning data from a map, image or geospatial data
E4	CORE	Assess adversary activities across all warfare domains
E4	CORE	Assess physical characteristics of the target environment
E6	CORE	Audit analytical processes, methodologies, and approaches
E4	CORE	Brief adversary capabilities and limitations to stakeholders
E4	CORE	Build Open Source Intelligence (OSINT) products
E4	CORE	Build pattern analysis
E4	CORE	Collate threat reporting

ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Communicate Computer Network Operations (CNO)
E4	CORE	Communicate Cyber Mission Force (CMF) structure
E4	CORE	Communicate open source architecture to stakeholders
E4	CORE	Communicate Open Source Intelligence (OSINT) to stakeholders
E4	CORE	Communicate Publicly Available Information (PAI) to stakeholders
E4	CORE	Communicate Structured Analytic Techniques (SAT) to stakeholders
E4	CORE	Compile data from multiple intelligence disciplines
E5	CORE	Conduct Target System Analysis (TSA)
E6	CORE	Conduct target vulnerability analysis
E6	CORE	Conduct targeting assessment
E4	CORE	Demonstrate merchant ship's rigging/classification
E4	CORE	Determine intelligence gaps
E5	CORE	Determine warfare threats
E4	CORE	Develop predictive analysis
E5	CORE	Evaluate collection results
E4	CORE	Extract friendly and adversary Order Of Battle (OOB) characteristics
E5	NON-CORE	Identify Critical Target Elements (CTE) to meet mission requirements
E5	CORE	Implement analytic tradecraft
E5	CORE	Implement Structured Analytic Techniques (SAT)
E7	CORE	Manage intelligence analysis
E4	CORE	Perform analytical processes, methodologies, and approaches
E4	CORE	Perform Joint Intelligence Preparation of the Operational Environment (JIPOE)
E4	CORE	Query multi-disciplined intelligence databases and repositories
E4	CORE	Query open source databases
E7	CORE	Supervise analytical processes, methodologies, and approaches
E5	CORE	Supervise intelligence analysis
E7	CORE	Supervise target vulnerability analysis
E7	CORE	Supervise targeting assessment
E4	CORE	Support Offensive Cyberspace Operations (OCO) and Defensive Cyberspace Operations (DCO) missions
E4	CORE	Support structured analytic techniques and tools
E6	CORE	Validate intelligence analysis

COLLECTION

Paygrade	Task Type	Task Statements
E4	CORE	Apply Essential Elements of Information (EEI) to collection requirements
E4	CORE	Collect full motion video
E5	NON-CORE	Conduct maritime intelligence collections and reporting (e.g., Ships Nautical or Otherwise Photographic Interpretation and Examination (SNOOPIE), debrief, etc.)
E4	CORE	Conduct mission debriefs
E4	CORE	Determine collections management process to meet mission requirements

COLLECTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Determine U.S., coalition, and adversary Intelligence Surveillance and Reconnaissance (ISR) capabilities
E5	CORE	Draft Requests For Information (RFI)
E5	CORE	Employ Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED)
E6	CORE	Implement Intelligence Collection Plans (ICP)
E6	CORE	Manage maritime intelligence collections and reporting (e.g., Ships Nautical or Otherwise Photographic Interpretation and Examination (SNOOPIE), debrief, etc.)
E7	CORE	Perform Collection Manager duties
E4	CORE	Perform Operational Tasking (OPTASK) directed intelligence collections

DISSEMINATION

Paygrade	Task Type	Task Statements
E4	CORE	Brief intelligence products
E4	CORE	Disseminate intelligence products
E4	CORE	Provide threat Indications and Warnings (I&W)
E4	CORE	Upload imagery products

GEOSPATIAL INTERPRETATION

Paygrade	Task Type	Task Statements
E5	CORE	Analyze Digital Terrain Elevation Data (DTED)
E4	CORE	Annotate imagery targeting materials
E4	CORE	Assess image interpretability
E4	CORE	Communicate imagery system architecture to stakeholders
E5	NON-CORE	Conduct Collateral Damage Estimate (CDE)
E4	NON-CORE	Conduct geopositioning to meet mission requirements
E4	NON-CORE	Conduct Training, Qualification, Certification, and Proficiency (TQCP) standards for Precision Point Munitions (PPM) analysts
E4	CORE	Employ geospatial data
E6	NON-CORE	Evaluate Collateral Damage Estimate (CDE)
E4	NON-CORE	Exploit full motion video
E4	CORE	Exploit imagery
E4	NON-CORE	Interpret stereo images
E4	CORE	Locate targets of interest on a graphic
E4	NON-CORE	Order images manually
E4	NON-CORE	Troubleshoot imagery systems
E7	NON-CORE	Validate Collateral Damage Estimate (CDE)

INTELLIGENCE PRODUCTION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Build Collateral Damage Estimate (CDE) products
E4	CORE	Build intelligence products (e.g., briefs, messages, point papers, etc.)
E4	CORE	Build strike support graphics (e.g., Joint Desired Point of Impact (JDPI) critical element, kneeboard cards, etc.)

INTELLIGENCE PRODUCTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Build target packages
E4	CORE	Compile data into intelligence support systems (e.g., strike and intelligence processing systems, etc.)
E6	CORE	Conduct target nominations
E4	CORE	Create Geospatial Information and Services (GI&S) products
E4	NON-CORE	Develop aircrew briefing materials (e.g. kneeboard cards, recognition guides, etc.)
E4	CORE	Develop intelligence reports
E4	CORE	Develop link analysis diagrams
E5	NON-CORE	Develop node analysis
E7	NON-CORE	Develop target lists
E4	CORE	Employ intelligence products
E7	CORE	Manage intelligence production
E5	CORE	Supervise intelligence production
E7	CORE	Supervise target nominations
E6	CORE	Validate Intelligence production
E5	CORE	Validate intelligence products
E5	NON-CORE	Validate intelligence reports
E5	NON-CORE	Validate strike support graphics (e.g., Joint Desired Point of Impact (JDPI), critical element, etc.)

MAPS AND CHARTS

Paygrade	Task Type	Task Statements
E4	CORE	Annotate maps and charts
E4	NON-CORE	Build Grid Reference Graphic (GRG)
E4	CORE	Interpret maps and charts
E4	CORE	Select various types of maps and charts

MISSION PLANNING AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Communicate the Law of Armed Conflict (LOAC) concept in regards to intelligence operations
E4	CORE	Conduct Combat Assessments (CA) (e.g., Munitions Effectiveness Assessment (MEA), restrike recommendations, etc.)
E6	CORE	Conduct intelligence support to maritime operations
E4	NON-CORE	Conduct Precision Point Mensurations (PPM)
E6	CORE	Conduct target development
E5	NON-CORE	Conduct Time-Sensitive Targeting (TST) and Time-Critical Targeting (TCT)
E6	CORE	Coordinate collection requirements
E7	NON-CORE	Coordinate targeting guidance to meet Commander's intent (e.g. OPLANs, OPTASKs, air tasking cycle, cyber tasking order, etc.)
E6	CORE	Develop intelligence training plans
E5	CORE	Employ all-source intelligence analysis to enable cross-queuing of multiple intelligence sources

MISSION PLANNING AND OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Employ communications equipment
E4	CORE	Employ targeting support data
E6	CORE	Evaluate Combat Assessments (CA) (e.g., Munitions Effectiveness Assessment (MEA), restrike recommendations, etc.)
E6	CORE	Interpret theater intelligence doctrine (e.g., Operation Plan (OPLAN), Operational Tasking (OPTASK), Concept of Operations (CONOP), etc.)
E4	CORE	Maintain intelligence plots
E6	CORE	Manage intelligence mission areas (e.g., publications library, training, Intelligence Oversight (IO), etc.)
E7	NON-CORE	Manage maritime fires support
E6	NON-CORE	Manage weaponeering (e.g., joint strike operations, cyberspace strike operations, etc.)
E5	NON-CORE	Prepare collection plans
E4	NON-CORE	Provide intelligence support to Military Operations Other Than War (MOOTW)
E5	CORE	Recommend targets based on all source reporting
E5	CORE	Supervise intelligence support to the Commander's decision making process (e.g., doctrine review board, Commanders objectives, etc.)
E7	CORE	Supervise target development
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED)
E6	CORE	Support operational orders and plans development
E5	NON-CORE	Support strike mission planning (e.g., Precision Guided Munitions (PGM) characteristics, target list, etc.)
E5	NON-CORE	Support targeting guidance to meet Commander's intent (e.g. OPLANs, OPTASKs, air tasking cycle, cyber tasking order, etc.)
E4	CORE	Support Time-Sensitive Targeting (TST) and Time-Critical Targeting (TCT)
E5	NON-CORE	Support weaponeering (e.g., joint strike operations, cyberspace strike operations, etc.)
E7	CORE	Validate Combat Assessments (CA) (e.g., Munitions Effectiveness Assessment (MEA), restrike recommendations, etc.)
E7	CORE	Validate intelligence training plans
E5	CORE	Validate Joint Intelligence Preparation of the Operational Environment (JIPOE) data
E6	CORE	Validate Training, Qualification, Certification, and Proficiency (TQCP) standard for Precision Point Munitions (PPM) analysts

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Apply information security policies and procedures
E4	CORE	Apply personnel security policies and procedures
E4	CORE	Apply physical security procedures
E4	CORE	Apply Sensitive Compartmented Information (SCI) security classification markings
E4	CORE	Communicate intelligence systems architecture
E4	CORE	Communicate Sensitive Compartmented Information (SCI) classified material releasability

SECURITY AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate installation of intelligence systems
E5	NON-CORE	Create exercise scenarios
E4	CORE	Destroy Sensitive Compartmented Information (SCI) material
E5	NON-CORE	Draft exercise support products (e.g., injects, scripting, etc.)
E6	NON-CORE	Evaluate intelligence exercise performance
E6	NON-CORE	Manage Intelligence Oversight (IO) programs
E4	CORE	Protect Sensitive Compartmented Information (SCI) holdings
E4	CORE	Report Intelligence Oversight (IO) program violations
E4	CORE	Sanitize Sensitive Compartmented Information (SCI)
E7	NON-CORE	Validate intelligence exercises performance

Job Title **Job Code**

Operational Intelligence Analyst 001404

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	OPERATIONAL INTEL ANALYST	OP INTEL ANLST

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IS	NEC KXXX series and other NECs as assigned

Job Description

Operational Intelligence Analysts perform Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) of information to produce relevant and timely intelligence in support of operations; provide Indications and Warnings (I&W); perform Operational Intelligence (OPINTEL) watchstanding; conduct human information collection; conduct threat assessments; generate intelligence reports, briefs, assessments, and summaries; perform Joint Intelligence Preparation of the Operational Environment (JIPOE) and all-source fusion analysis; perform predictive analysis; review data for accuracy and reliability of sources; use and protect Command, Control, Communications, Computers, Collection, Intelligence, Surveillance and Reconnaissance (C5ISR) systems; maintain an all-source intelligence plot; serve as Independent Duty Intelligence Specialists (IDIS); and conduct counterintelligence operations.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Operational Intelligence	124300	Operations Research Analysts	15-2031.00	Computer and Mathematical

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Complex Problem Solving	*Written Expression*
Active Learning	*Oral Expression*
Judgment and Decision Making	*Written Comprehension*
Operations Analysis	*Inductive Reasoning*
Monitoring	*Fluency of Ideas*
Quality Control Analysis	*Information Ordering*
Equipment Selection	*Category Flexibility*
Writing	*Oral Comprehension*
Coordination	*Problem Sensitivity*

ANALYSIS

Paygrade	Task Type	Task Statements
E5	CORE	Analyze adversary capabilities and limitations
E4	CORE	Analyze all-source information
E4	CORE	Analyze all-source intelligence across all warfare domains
E4	CORE	Analyze collection results
E4	CORE	Analyze Indications and Warnings (I&W)
E4	CORE	Analyze Maritime Security Operations (MSO) intelligence
E4	CORE	Analyze strike mission threats
E4	CORE	Apply geographic positioning data from a map, image or geospatial data
E4	CORE	Assess adversary activities across all warfare domains
E4	CORE	Assess physical characteristics of the target environment
E6	CORE	Audit analytical processes, methodologies, and approaches
E4	CORE	Brief adversary capabilities and limitations to stakeholders
E4	CORE	Build Open Source Intelligence (OSINT) products
E4	CORE	Build pattern analysis
E4	CORE	Collate threat reporting
E4	CORE	Communicate Computer Network Operations (CNO)
E4	CORE	Communicate counterintelligence activities to stakeholders

ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Communicate Counterintelligence/Human Intelligence (CI/Tactical Counter-Intelligence and Human Intelligence Specialist) architecture to stakeholders
E4	CORE	Communicate Cyber Mission Force (CMF) structure
E4	CORE	Communicate Military Source Operations (MSO)
E4	CORE	Communicate open source architecture to stakeholders
E4	CORE	Communicate Open Source Intelligence (OSINT) to stakeholders
E4	CORE	Communicate Publicly Available Information (PAI) to stakeholders
E4	CORE	Communicate Structured Analytic Techniques (SAT) to stakeholders
E4	CORE	Compile data from multiple intelligence disciplines
E5	CORE	Conduct analysis and support to Counterintelligence (CI) activities
E5	CORE	Conduct Target System Analysis (TSA)
E6	CORE	Conduct target vulnerability analysis
E6	CORE	Conduct targeting assessment
E4	CORE	Demonstrate merchant ship's rigging/classification
E4	CORE	Determine intelligence gaps
E5	CORE	Determine warfare threats
E4	CORE	Develop predictive analysis
E5	CORE	Evaluate collection results
E4	CORE	Explain interrogation
E4	CORE	Extract friendly and adversary Order Of Battle (OOB) characteristics
E5	CORE	Implement analytic tradecraft
E5	CORE	Implement Structured Analytic Techniques (SAT)
E7	CORE	Manage intelligence analysis
E4	CORE	Perform analytical processes, methodologies, and approaches
E4	CORE	Perform independent analysis and operational intelligence
E4	CORE	Perform Joint Intelligence Preparation of the Operational Environment (JIPOE)
E4	CORE	Query multi-disciplined intelligence databases and repositories
E4	CORE	Query open source databases
E7	CORE	Supervise analytical processes, methodologies, and approaches
E5	CORE	Supervise intelligence analysis
E7	CORE	Supervise target vulnerability analysis
E7	CORE	Supervise targeting assessment
E4	CORE	Support Offensive Cyberspace Operations (OCO) and Defensive Cyberspace Operations (DCO) missions
E4	CORE	Support structured analytic techniques and tools
E6	CORE	Validate intelligence analysis

COLLECTION

Paygrade	Task Type	Task Statements
E4	CORE	Apply Essential Elements of Information (EEI) to collection requirements
E4	NON-CORE	Collect biographical data

COLLECTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Collect full motion video
E4	NON-CORE	Conduct Foreign Military Intelligence Collection Activities (FORMICA)
E5	NON-CORE	Conduct maritime intelligence collections and reporting (e.g., Ships Nautical or Otherwise Photographic Interpretation and Examination (SNOOPIE), debrief, etc.)
E4	CORE	Conduct mission debriefs
E4	NON-CORE	Coordinate Document and Media Exploitation (DOMEX)
E4	CORE	Determine collections management process to meet mission requirements
E4	CORE	Determine U.S., coalition, and adversary Intelligence Surveillance and Reconnaissance (ISR) capabilities
E5	CORE	Draft Requests For Information (RFI)
E5	CORE	Employ Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED)
E6	CORE	Implement Intelligence Collection Plans (ICP)
E6	CORE	Manage maritime intelligence collections and reporting (e.g., Ships Nautical or Otherwise Photographic Interpretation and Examination (SNOOPIE), debrief, etc.)
E7	CORE	Perform Collection Manager duties
E4	CORE	Perform Operational Tasking (OPTASK) directed intelligence collections

DISSEMINATION

Paygrade	Task Type	Task Statements
E4	CORE	Brief intelligence product
E4	CORE	Disseminate intelligence products
E4	CORE	Provide threat Indications and Warnings (I&W)

GEOSPATIAL INTERPRETATION

Paygrade	Task Type	Task Statements
E5	CORE	Analyze Digital Terrain Elevation Data (DTED)
E4	CORE	Employ geospatial data
E4	NON-CORE	Exploit full motion video
E4	CORE	Exploit imagery
E4	CORE	Formulate intelligence using Moving Target Indicator (MTI) data
E4	CORE	Locate targets of interest on a graphic

INTELLIGENCE PRODUCTION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Build Collateral Damage Estimate (CDE) products
E4	CORE	Build intelligence products (e.g., briefs, messages, point papers, etc.)
E6	CORE	Build mission specific intelligence support products (e.g., Visit Board Search and Seizure (VBSS), Force Protection (FP), etc.)
E4	CORE	Build target packages
E4	CORE	Compile data into intelligence support systems (e.g., strike and intelligence processing systems, etc.)
E6	CORE	Conduct target nominations
E4	CORE	Create Geospatial Information and Services (GI&S) products
E4	CORE	Develop intelligence reports

INTELLIGENCE PRODUCTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Develop link analysis diagrams
E5	NON-CORE	Develop node analysis
E7	NON-CORE	Develop target lists
E4	CORE	Employ intelligence products
E7	CORE	Manage intelligence production
E5	NON-CORE	Prepare Notice of Intelligence Potential (NIP)
E5	CORE	Supervise intelligence production
E7	CORE	Supervise target nominations
E6	CORE	Validate Intelligence production
E5	CORE	Validate intelligence products
E5	NON-CORE	Validate intelligence reports

MAPS AND CHARTS

Paygrade	Task Type	Task Statements
E4	CORE	Annotate maps and charts
E4	NON-CORE	Build Grid Reference Graphic (GRG)
E4	CORE	Interpret maps and charts
E4	CORE	Select various types of maps and charts

MISSION PLANNING AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Communicate the Law of Armed Conflict (LOAC) concept in regards to intelligence operations
E6	CORE	Conduct intelligence support to maritime operations
E6	CORE	Conduct target development
E5	NON-CORE	Conduct Time-Sensitive Targeting (TST) and Time-Critical Targeting (TCT)
E6	CORE	Coordinate collection requirements
E6	CORE	Coordinate organic maritime Electronic Warfare (EW) assets (i.e., shipboard sensors)
E6	CORE	Coordinate support of Counterintelligence (CI) activities and Human Intelligence (Tactical Counter-Intelligence and Human Intelligence Specialist) operations
E7	NON-CORE	Coordinate targeting guidance to meet Commander's intent (e.g. OPLANs, OPTASKs, air tasking cycle, cyber tasking order, etc.)
E6	CORE	Develop intelligence training plans
E5	CORE	Employ all-source intelligence analysis to enable cross-queuing of multiple intelligence sources
E4	NON-CORE	Employ communications equipment
E4	CORE	Employ targeting support data
E6	CORE	Interpret theater intelligence doctrine (e.g., Operation Plan (OPLAN), Operational Tasking (OPTASK), Concept of Operations (CONOP), etc.)
E4	CORE	Maintain intelligence plots
E6	CORE	Manage intelligence mission areas (e.g., publications library, training, Intelligence Oversight (IO), etc.)

MISSION PLANNING AND OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Prepare collection plans
E4	NON-CORE	Provide intelligence support to Military Operations Other Than War (MOOTW)
E5	CORE	Recommend targets based on all source reporting
E5	CORE	Supervise intelligence support to the Commander's decision making process (e.g., doctrine review board, Commanders objectives, etc.)
E7	CORE	Supervise target development
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED)
E4	NON-CORE	Support Maritime Security Operations (MSO)
E6	NON-CORE	Support Offensive Counterintelligence Operations (OFCO)
E6	CORE	Support operational orders and plans development
E5	NON-CORE	Support targeting guidance to meet Commander's intent (e.g. OPLANs, OPTASKs, air tasking cycle, cyber tasking order, etc.)
E4	CORE	Support Time-Sensitive Targeting (TST) and Time-Critical Targeting (TCT)
E7	CORE	Validate intelligence training plans
E5	CORE	Validate Joint Intelligence Preparation of the Operational Environment (JIPOE) data
E6	NON-CORE	Verify authorities for Information Operations (IO) planning

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Apply information security policies and procedures
E4	CORE	Apply personnel security policies and procedures
E4	CORE	Apply physical security procedures
E4	CORE	Apply Sensitive Compartmented Information (SCI) security classification markings
E4	CORE	Communicate intelligence systems architecture
E4	CORE	Communicate Sensitive Compartmented Information (SCI) classified material releasability
E6	CORE	Coordinate installation of intelligence systems
E5	NON-CORE	Create exercise scenarios
E4	CORE	Destroy Sensitive Compartmented Information (SCI) material
E5	NON-CORE	Draft exercise support products (e.g., injects, scripting, etc.)
E6	NON-CORE	Evaluate intelligence exercise performance
E6	NON-CORE	Manage Intelligence Oversight (IO) programs
E4	CORE	Protect Sensitive Compartmented Information (SCI) holdings
E4	CORE	Report Intelligence Oversight (IO) program violations
E4	CORE	Sanitize Sensitive Compartmented Information (SCI)
E7	NON-CORE	Validate intelligence exercises performance

Job Title **Job Code**

Geospatial Intelligence Analyst 001409

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Architecture and Engineering	TBD	GEOSPAT INTEL ANALYST	GEOS INTEL ANL

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IS	NEC KXXX series and other NECs as assigned

Job Description

Geospatial intelligence Analysts perform Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) of imagery and geospatial information to describe, assess and identify physical features and geographically referenced activities on the earth; detect and report on observed image activities that are of military, civilian, industrial, infrastructure, and environmental importance; use imagery interpretation and manipulation skills to identify adversary disposition and location; observe adversary Order of Battle (OOB) to include Tactics, Techniques, and Procedures (TTP); identify employment of Camouflage, Concealment, and Deception (CC&D) and identification of emerging capabilities, and research and development; exploitation of Lines of Communications (LOC), strategic industries, military and civilian infrastructure, Helicopter Landing Zones (HLZ), beach studies, and terrain classification in support of Joint Intelligence Preparation of the Operational Environment (JIPOE); contribute to the Common Operational Picture (COP) by precisely locating activities and objects, assessing and discerning the significance of activities and events observed on imagery, and by providing a context for warfighters and decision makers through the production and dissemination of imagery products; utilize all aspects of Geospatial Intelligence (GEOINT), literal or non-literal, to provide tailored GEOINT products; play an important part in Battle Damage Assessment (BDA) or Bomb Hit Assessment (BHA), Humanitarian Assistance and Disaster Relief (HADR), and Non-combatant Evacuation Operations (NEO).

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Image Interpretation	124200	Cartographers and Photogrammetrists	17-1021.00	Architecture and Engineering

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Complex Problem Solving	*Written Expression*
Judgment and Decision Making	*Written Comprehension*
Operations Analysis	*Oral Expression*
Monitoring	*Inductive Reasoning*
Quality Control Analysis	*Fluency of Ideas*
Active Learning	*Information Ordering*
Writing	*Category Flexibility*
Equipment Selection	*Problem Sensitivity*
Coordination	*Speed of Closure*

ANALYSIS

Paygrade	Task Type	Task Statements
E5	CORE	Analyze adversary capabilities and limitations
E4	CORE	Analyze all-source information
E4	CORE	Analyze all-source intelligence across all warfare domains
E4	CORE	Analyze collection results
E4	CORE	Analyze Indications and Warnings (I&W)
E4	CORE	Analyze Maritime Security Operations (MSO) intelligence
E4	CORE	Analyze strike mission threats
E4	CORE	Apply geographic positioning data from a map, image or geospatial data
E4	CORE	Assess adversary activities across all warfare domains
E4	CORE	Assess physical characteristics of the target environment
E6	CORE	Audit analytical processes, methodologies, and approaches
E4	CORE	Brief adversary capabilities and limitations to stakeholders
E4	CORE	Build Open Source Intelligence (OSINT) products
E4	CORE	Build pattern analysis

ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Communicate Computer Network Operations (CNO)
E4	CORE	Communicate Cyber Mission Force (CMF) structure
E4	CORE	Communicate open source architecture to stakeholders
E4	CORE	Communicate Open Source Intelligence (OSINT) to stakeholders
E4	CORE	Communicate Publicly Available Information (PAI) to stakeholders
E4	CORE	Communicate Structured Analytic Techniques (SAT) to stakeholders
E4	CORE	Compile data from multiple intelligence disciplines
E5	CORE	Conduct Target System Analysis (TSA)
E6	CORE	Conduct target vulnerability analysis
E6	CORE	Conduct targeting assessment
E4	CORE	Demonstrate merchant ship's rigging/classification
E4	CORE	Determine intelligence gaps
E5	CORE	Determine warfare threats
E4	CORE	Develop predictive analysis
E5	CORE	Evaluate collection results
E4	CORE	Extract friendly and adversary Order Of Battle (OOB) characteristics
E5	NON-CORE	Identify Critical Target Elements (CTE) to meet mission requirements
E5	CORE	Implement analytic tradecraft
E5	CORE	Implement Structured Analytic Techniques (SAT)
E7	CORE	Manage intelligence analysis
E4	CORE	Perform analytical processes, methodologies, and approaches
E4	CORE	Perform Joint Intelligence Preparation of the Operational Environment (JIPOE)
E4	CORE	Query multi-disciplined intelligence databases and repositories
E4	CORE	Query open source databases
E7	CORE	Supervise analytical processes, methodologies, and approaches
E5	CORE	Supervise intelligence analysis
E7	CORE	Supervise target vulnerability analysis
E7	CORE	Supervise targeting assessment
E4	CORE	Support Offensive Cyberspace Operations (OCO) and Defensive Cyberspace Operations (DCO) missions
E4	CORE	Support structured analytic techniques and tools
E6	CORE	Validate intelligence analysis

COLLECTION

Paygrade	Task Type	Task Statements
E4	CORE	Apply Essential Elements of Information (EEI) to collection requirements
E4	CORE	Collect full motion video
E5	CORE	Conduct Military Source Operations (MSO)
E4	CORE	Conduct mission debriefs
E4	CORE	Determine collections management process to meet mission requirements

COLLECTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Determine U.S., coalition, and adversary Intelligence Surveillance and Reconnaissance (ISR) capabilities
E5	CORE	Draft Requests For Information (RFI)
E5	CORE	Employ Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED)
E6	CORE	Implement Intelligence Collection Plans (ICP)
E7	CORE	Perform Collection Manager duties
E4	CORE	Perform Operational Tasking (OPTASK) directed intelligence collections

DISSEMINATION

Paygrade	Task Type	Task Statements
E4	CORE	Brief intelligence products
E4	CORE	Disseminate intelligence products
E4	CORE	Provide threat Indications and Warnings (I&W)
E4	CORE	Upload imagery products

GEOSPATIAL INTERPRETATION

Paygrade	Task Type	Task Statements
E5	CORE	Analyze Digital Terrain Elevation Data (DTED)
E4	CORE	Annotate imagery targeting materials
E4	CORE	Assess image interpretability
E4	CORE	Communicate imagery system architecture to stakeholders
E5	NON-CORE	Conduct Collateral Damage Estimate (CDE)
E4	NON-CORE	Conduct geopositioning to meet mission requirements
E4	CORE	Employ geospatial data
E6	NON-CORE	Evaluate Collateral Damage Estimate (CDE)
E4	NON-CORE	Exploit full motion video
E4	CORE	Exploit imagery
E4	CORE	Formulate intelligence using Moving Target Indicator (MTI) data
E4	CORE	Locate targets of interest on a graphic
E4	NON-CORE	Order images manually
E4	NON-CORE	Troubleshoot imagery systems
E7	NON-CORE	Validate Collateral Damage Estimate (CDE)

INTELLIGENCE PRODUCTION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Build Collateral Damage Estimate (CDE) products
E4	CORE	Build intelligence products (e.g., briefs, messages, point papers, etc.)
E4	CORE	Build strike support graphics (e.g., Joint Desired Point of Impact (JDPI) critical element, kneeboard cards, etc.)
E4	CORE	Build target packages
E4	CORE	Compile data into intelligence support systems (e.g., strike and intelligence processing systems, etc.)
E6	CORE	Conduct target nominations

INTELLIGENCE PRODUCTION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Create Geospatial Information and Services (GI&S) products
E4	CORE	Develop intelligence reports
E4	CORE	Develop link analysis diagrams
E5	NON-CORE	Develop node analysis
E4	CORE	Employ intelligence products
E7	CORE	Manage intelligence production
E4	NON-CORE	Prepare a Supplemental Intelligence Report (SUPIR)
E4	NON-CORE	Prepare an Initial Phase Interpretation Report (IPIR)
E5	CORE	Supervise intelligence production
E7	CORE	Supervise target nominations
E6	CORE	Validate Intelligence production
E5	CORE	Validate intelligence products
E5	NON-CORE	Validate intelligence reports
E5	NON-CORE	Validate strike support graphics (e.g., Joint Desired Point of Impact (JDPI), critical element, etc.)

MAPS AND CHARTS

Paygrade	Task Type	Task Statements
E4	CORE	Annotate maps and charts
E4	NON-CORE	Build Grid Reference Graphic (GRG)
E4	CORE	Interpret maps and charts
E4	CORE	Select various types of maps and charts

MISSION PLANNING AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Communicate the Law of Armed Conflict (LOAC) concept in regards to intelligence operations
E4	CORE	Conduct Combat Assessments (CA) (e.g., Munitions Effectiveness Assessment (MEA), restrike recommendations, etc.)
E6	CORE	Conduct intelligence support to maritime operations
E6	CORE	Conduct target development
E5	NON-CORE	Conduct Time-Sensitive Targeting (TST) and Time-Critical Targeting (TCT)
E6	CORE	Coordinate collection requirements
E6	CORE	Develop intelligence training plans
E5	CORE	Employ all-source intelligence analysis to enable cross-queuing of multiple intelligence sources
E4	NON-CORE	Employ communications equipment
E4	CORE	Employ targeting support data
E6	CORE	Interpret theater intelligence doctrine (e.g., Operation Plan (OPLAN), Operational Tasking (OPTASK), Concept of Operations (CONOP), etc.)
E4	CORE	Maintain intelligence plots
E6	CORE	Manage intelligence mission areas (e.g., publications library, training, Intelligence Oversight (IO), etc.)

MISSION PLANNING AND OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Manage weaponeering (e.g., joint strike operations, cyberspace strike operations, etc.)
E5	NON-CORE	Prepare collection plans
E4	NON-CORE	Provide intelligence support to Military Operations Other Than War (MOOTW)
E5	CORE	Recommend targets based on all source reporting
E5	CORE	Supervise intelligence support to the Commander's decision making process (e.g., doctrine review board, Commanders objectives, etc.)
E7	CORE	Supervise target development
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED)
E4	NON-CORE	Support Maritime Security Operations (MSO)
E6	CORE	Support operational orders and plans development
E5	NON-CORE	Support strike mission planning (e.g., Precision Guided Munitions (PGM) characteristics, target list, etc.)
E4	CORE	Support Time-Sensitive Targeting (TST) and Time-Critical Targeting (TCT)
E7	CORE	Validate intelligence training plans
E5	CORE	Validate Joint Intelligence Preparation of the Operational Environment (JIPOE) data

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Apply information security policies and procedures
E4	CORE	Apply personnel security policies and procedures
E4	CORE	Apply physical security procedures
E4	CORE	Apply Sensitive Compartmented Information (SCI) security classification markings
E4	CORE	Communicate intelligence systems architecture
E4	CORE	Communicate Sensitive Compartmented Information (SCI) classified material releasability
E6	CORE	Coordinate installation of intelligence systems
E5	NON-CORE	Create exercise scenarios
E4	CORE	Destroy Sensitive Compartmented Information (SCI) material
E5	NON-CORE	Draft exercise support products (e.g., injects, scripting, etc.)
E6	NON-CORE	Evaluate intelligence exercise performance
E6	NON-CORE	Manage Intelligence Oversight (IO) programs
E4	CORE	Protect Sensitive Compartmented Information (SCI) holdings
E4	CORE	Report Intelligence Oversight (IO) program violations
E4	CORE	Sanitize Sensitive Compartmented Information (SCI)
E7	NON-CORE	Validate intelligence exercises performance

Job Title **Job Code**

Cyber Threat Intelligence Analyst (CTIA) 002805

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Protective Service	TBD	CYBER THREAT INTEL ANALYST	CYB INT ANLYST

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IS	NEC KXXX series and other NECs as assigned

Job Description

Cyber Threat Intelligence Analysts (CTIA) perform analysis of multi-disciplined cyber threat information across the U.S. Government and Intelligence Community (IC) to support Offensive Cyberspace Operations (OCO) and Defensive Cyberspace Operations (DCO); provide Indications and Warnings (I&W) for cyberspace threats; synthesize and place intelligence information in context; draw insights about possible implications; conduct all-source Joint Intelligence Preparation of the Operational Environment at the Combatant Command level and Intelligence Preparation of the Battlespace at the tactical and Fleet level commands; respond to Requests for Information (RFI) and submit intelligence collection and production requirements to the National assets in support of planning and operations, and joint targeting; conduct joint target development in accordance with the joint targeting cycle to enable offensive cyberspace effects operations; provide intelligence support to mission package development; provide intelligence support to assess networks for potential threats and Critical Vulnerability Exploits; assess Malicious Cyber Actors/Advanced Persistent Threat Courses of Action in support of OCO/DCO; produce timely, fused, all-source cyberspace operations intelligence products (e.g., threat assessments, briefings, intelligence studies, country studies, etc.); identify state and non-state cyber actors, and Tactics, Techniques and Procedures (TTP), providing intelligence analysis and support to command designated exercises, planning activities and Time Sensitive Target (TST) operations; conduct Nodal analysis of cyber actors and systems; collaborate with IC Analysts involved in cyberspace operations intelligence or related areas; draft and maintain Commanders Critical Information Requirements (CCIR), Priority Intelligence Requirements (PIR), and Essential Elements of Information (EEI); produce and submit RFI based on CCIR, PIR, and EEI requirements.

DoD Relationship **O*NET Relationship**

Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Image Interpretation	124200	Intelligence Analysts	33-3021.06	Protective Service

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Judgment and Decision Making	*Written Expression*
Complex Problem Solving	*Oral Expression*
Active Learning	*Written Comprehension*
Monitoring	*Fluency of Ideas*
Coordination	*Inductive Reasoning*
Quality Control Analysis	*Information Ordering*
Operations Analysis	*Time Sharing*
Writing	*Category Flexibility*
Equipment Selection	*Oral Comprehension*

ANALYSIS

Paygrade	Task Type	Task Statements
E5	CORE	Analyze adversary capabilities and limitations
E4	CORE	Analyze all-source information
E4	CORE	Analyze all-source intelligence across all warfare domains
E4	CORE	Analyze collection results
E4	CORE	Analyze Indications and Warnings (I&W)
E5	CORE	Analyze logical layer of the target environment
E5	CORE	Analyze network maps and diagrams
E4	CORE	Analyze strike mission threats
E4	CORE	Apply geographic positioning data from a map, image or geospatial data
E4	CORE	Assess adversary activities across all warfare domains
E4	CORE	Assess physical characteristics of the target environment
E6	CORE	Audit analytical processes, methodologies, and approaches
E4	CORE	Brief adversary capabilities and limitations to stakeholders

ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Build Open Source Intelligence (OSINT) products
E4	CORE	Build pattern analysis
E4	CORE	Collate threat reporting
E4	CORE	Communicate Computer Network Operations (CNO)
E4	CORE	Communicate Cyber Mission Force (CMF) structure
E4	CORE	Communicate open source architecture to stakeholders
E4	CORE	Communicate Open Source Intelligence (OSINT) to stakeholders
E4	CORE	Communicate Publicly Available Information (PAI) to stakeholders
E5	CORE	Communicate state and non-state Malicious Cyber Actor (MCA) capabilities to stakeholders
E4	CORE	Communicate Structured Analytic Techniques (SAT) to stakeholders
E5	CORE	Communicate the role of Counterintelligence (CI) and Human Intelligence (Tactical Counter-Intelligence and Human Intelligence Specialist) in the cyberspace domain
E5	NON-CORE	Communicate with Offensive Cyberspace Operations (OCO)/Defensive Cyberspace Operations (DCO) partners and stakeholders
E4	CORE	Compile data from multiple intelligence disciplines
E5	CORE	Conduct Target System Analysis (TSA)
E6	CORE	Conduct target vulnerability analysis
E6	CORE	Conduct targeting assessment
E5	CORE	Coordinate cyberspace operations with Intelligence Community (IC) stakeholders
E4	CORE	Correlate cyberspace-related Tactics, Techniques, and Procedures (TTP)
E4	CORE	Determine intelligence gaps
E5	CORE	Determine warfare threats
E4	NON-CORE	Develop cyber persona profiles
E4	CORE	Develop predictive analysis
E5	CORE	Evaluate collection results
E4	CORE	Extract friendly and adversary Order Of Battle (OOB) characteristics
E5	NON-CORE	Identify Critical Target Elements (CTE) to meet mission requirements
E5	CORE	Implement analytic tradecraft
E5	CORE	Implement Structured Analytic Techniques (SAT)
E7	CORE	Manage intelligence analysis
E4	CORE	Perform analytical processes, methodologies, and approaches
E4	CORE	Perform independent analysis and operational intelligence
E4	CORE	Perform Joint Intelligence Preparation of the Operational Environment (JIPOE)
E4	CORE	Query multi-disciplined intelligence databases and repositories
E4	CORE	Query open source databases
E5	CORE	Report cyberspace effects
E7	CORE	Supervise analytical processes, methodologies, and approaches
E5	CORE	Supervise intelligence analysis
E7	CORE	Supervise target vulnerability analysis

ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Supervise targeting assessment
E4	CORE	Support Offensive Cyberspace Operations (OCO) and Defensive Cyberspace Operations (DCO) missions
E4	CORE	Support structured analytic techniques and tools
E6	CORE	Validate intelligence analysis
E4	NON-CORE	Verify authorities and Standing Rules of Engagement (SROE) for cyberspace operations planning

COLLECTION

Paygrade	Task Type	Task Statements
E4	CORE	Apply Essential Elements of Information (EEI) to collection requirements
E5	CORE	Conduct Military Source Operations (MSO)
E4	CORE	Conduct mission debriefs
E4	NON-CORE	Coordinate Document and Media Exploitation (DOMEX)
E4	CORE	Determine collections management process to meet mission requirements
E4	CORE	Determine U.S., coalition, and adversary Intelligence Surveillance and Reconnaissance (ISR) capabilities
E5	CORE	Draft Requests For Information (RFI)
E5	CORE	Employ Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED)
E6	CORE	Implement Intelligence Collection Plans (ICP)
E7	CORE	Perform Collection Manager duties
E4	CORE	Perform Operational Tasking (OPTASK) directed intelligence collections

DISSEMINATION

Paygrade	Task Type	Task Statements
E4	CORE	Brief intelligence products
E4	CORE	Disseminate intelligence products
E4	CORE	Provide threat Indications and Warnings (I&W)

GEOSPATIAL INTERPRETATION

Paygrade	Task Type	Task Statements
E4	CORE	Employ geospatial data
E4	CORE	Locate targets of interest on a graphic

INTELLIGENCE PRODUCTION

Paygrade	Task Type	Task Statements
E4	CORE	Build cyberspace intelligence products (e.g., briefs, threat assessments, messages, point papers, etc.)
E4	CORE	Build intelligence products (e.g., briefs, messages, point papers, etc.)
E4	CORE	Build target packages
E4	CORE	Compile data into intelligence support systems (e.g., strike and intelligence processing systems, etc.)
E6	CORE	Conduct target nominations
E4	CORE	Develop intelligence reports
E4	CORE	Develop link analysis diagrams

INTELLIGENCE PRODUCTION (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Develop node analysis
E7	NON-CORE	Develop target lists
E4	CORE	Employ intelligence products
E7	CORE	Manage intelligence production
E7	CORE	Supervise cyberspace intelligence products and target packages (e.g., briefs, threat assessments, messages, point papers, etc.)
E5	CORE	Supervise intelligence production
E7	CORE	Supervise target nominations
E6	CORE	Validate cyberspace intelligence products and target packages (e.g., briefs, threat assessments, messages, point papers, etc.)
E6	CORE	Validate Intelligence production
E5	CORE	Validate intelligence products
E5	NON-CORE	Validate intelligence reports

MAPS AND CHARTS

Paygrade	Task Type	Task Statements
E4	CORE	Annotate maps and charts
E4	CORE	Interpret maps and charts
E4	CORE	Select various types of maps and charts

MISSION PLANNING AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Communicate cyberspace Operational Preparation of Environment (OPE)
E5	CORE	Communicate internal defense cyberspace capabilities to mission planners
E4	CORE	Communicate the Law of Armed Conflict (LOAC) concept in regards to intelligence operations
E5	CORE	Conduct Collateral Effects Estimates (CEE)
E4	CORE	Conduct Combat Assessments (CA) (e.g., Munitions Effectiveness Assessment (MEA), restrike recommendations, etc.)
E5	CORE	Conduct cyberspace Operational Preparation of Environment (OPE)
E6	CORE	Conduct intelligence support to maritime operations
E6	CORE	Conduct target development
E5	NON-CORE	Conduct Time-Sensitive Targeting (TST) and Time-Critical Targeting (TCT)
E5	NON-CORE	Construct Cyber Readiness Training Team (CRTT) drills
E6	CORE	Coordinate collection requirements
E6	CORE	Coordinate organic maritime Electronic Warfare (EW) assets (i.e., shipboard sensors)
E6	CORE	Coordinate support of Counterintelligence (CI) activities and Human Intelligence (Tactical Counter-Intelligence and Human Intelligence Specialist) operations
E7	NON-CORE	Coordinate targeting guidance to meet Commander's intent (e.g. OPLANs, OPTASKs, air tasking cycle, cyber tasking order, etc.)
E7	NON-CORE	Develop cyberspace-related plans (e.g., Operation Plan (OPLAN), Concept of Operations Plan (CONPLAN), Concept of Operations (CONOP), etc.)

MISSION PLANNING AND OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Develop intelligence training plans
E5	CORE	Employ all-source intelligence analysis to enable cross-queuing of multiple intelligence sources
E4	NON-CORE	Employ communications equipment
E4	CORE	Employ targeting support data
E6	CORE	Evaluate Collateral Effects Estimates (CEE)
E6	CORE	Evaluate Combat Assessments (CA) (e.g., Munitions Effectiveness Assessment (MEA), restrike recommendations, etc.)
E6	CORE	Interpret theater intelligence doctrine (e.g., Operation Plan (OPLAN), Operational Tasking (OPTASK), Concept of Operations (CONOP), etc.)
E4	CORE	Maintain intelligence plots
E6	CORE	Manage cyberspace mission focus areas
E6	CORE	Manage intelligence mission areas (e.g., publications library, training, Intelligence Oversight (IO), etc.)
E6	NON-CORE	Manage weaponeering (e.g., joint strike operations, cyberspace strike operations, etc.)
E5	NON-CORE	Prepare collection plans
E4	NON-CORE	Provide intelligence support to Military Operations Other Than War (MOOTW)
E5	CORE	Recommend targets based on all source reporting
E7	CORE	Supervise Cyber Readiness Training Team (CRTT) program
E7	CORE	Supervise cyberspace mission focus areas
E5	CORE	Supervise intelligence support to the Commander's decision making process (e.g., doctrine review board, Commanders objectives, etc.)
E7	CORE	Supervise target development
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED)
E6	NON-CORE	Support Offensive Counterintelligence Operations (OFCO)
E6	CORE	Support operational orders and plans development
E5	NON-CORE	Support strike mission planning (e.g., Precision Guided Munitions (PGM) characteristics, target list, etc.)
E5	NON-CORE	Support targeting guidance to meet Commander's intent (e.g. OPLANs, OPTASKs, air tasking cycle, cyber tasking order, etc.)
E4	CORE	Support Time-Sensitive Targeting (TST) and Time-Critical Targeting (TCT)
E5	NON-CORE	Support weaponeering (e.g., joint strike operations, cyberspace strike operations, etc.)
E7	CORE	Validate Collateral Effects Estimates (CEE)
E7	CORE	Validate Combat Assessments (CA) (e.g., Munitions Effectiveness Assessment (MEA), restrike recommendations, etc.)
E7	CORE	Validate intelligence training plans
E5	CORE	Validate Joint Intelligence Preparation of the Operational Environment (JIPOE) data
E6	NON-CORE	Verify authorities for Information Operations (IO) planning

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Apply information security policies and procedures
E4	CORE	Apply personnel security policies and procedures
E4	CORE	Apply physical security procedures
E4	CORE	Apply Sensitive Compartmented Information (SCI) security classification markings
E4	CORE	Communicate intelligence systems architecture
E4	CORE	Communicate Sensitive Compartmented Information (SCI) classified material releasability
E7	NON-CORE	Coordinate cyberspace operations with Special Access Program (SAP)/Review and Approval Process for Cyber Operations (RAPCO)
E6	CORE	Coordinate installation of intelligence systems
E5	NON-CORE	Create exercise scenarios
E4	CORE	Destroy Sensitive Compartmented Information (SCI) material
E5	NON-CORE	Draft exercise support products (e.g., injects, scripting, etc.)
E6	NON-CORE	Evaluate intelligence exercise performance
E6	NON-CORE	Manage Intelligence Oversight (IO) programs
E4	CORE	Protect Sensitive Compartmented Information (SCI) holdings
E4	CORE	Report Intelligence Oversight (IO) program violations
E4	CORE	Sanitize Sensitive Compartmented Information (SCI)
E7	NON-CORE	Validate intelligence exercises performance

Job Title **Job Code**

Tactical Counter-Intelligence and Human Intelligence Specialist 002835

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	TACTICAL CI HUMINT SPEC	CI HUMT SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IS	NEC KXXX series and other NECs as assigned

Job Description

Tactical Counter-Intelligence and Human Intelligence (CI/HUMINT) Specialists provide counter-intelligence (CI) functional services and acquire intelligence information from human sources in response to valid Navy and National requirements by supervising and conducting full-spectrum human intelligence (HUMINT) collection operations; supervise and conduct full-spectrum CI and HUMINT collection operations including, but not limited to debriefings, interrogations, and elicitations for intelligence and force protection information; facilitate in-theater Military Source Operations (MSO), screening of CI and/or HUMINT sources and documents in order to establish priorities for exploitation; coordinate exploitation capture of enemy documents, foreign language and open-source publications; prepare and edit appropriate intelligence and administrative reports; utilize CI/HUMINT reporting and communications equipment; use interpreters and manage interpreter/translator operations; conduct liaison and coordination in foreign language with host nation agencies; conduct analysis and perform briefings and debriefings as required.

DoD Relationship

Group Title	*DoD Code*
Operational Intelligence	124300

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Operations Research Analysts	15-2031.00	Computer and Mathematical

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Complex Problem Solving	*Written Expression*
Judgment and Decision Making	*Oral Expression*
Active Learning	*Written Comprehension*
Writing	*Inductive Reasoning*
Monitoring	*Problem Sensitivity*
Operations Analysis	*Oral Comprehension*
Quality Control Analysis	*Category Flexibility*
Equipment Selection	*Information Ordering*
Reading Comprehension	*Fluency of Ideas*

ANALYSIS

Paygrade	Task Type	Task Statements
E5	CORE	Analyze adversary capabilities and limitations
E4	CORE	Analyze all-source information
E4	CORE	Analyze all-source intelligence across all warfare domains
E4	CORE	Analyze collection results
E4	CORE	Analyze Indications and Warnings (I&W)
E4	CORE	Analyze Maritime Security Operations (MSO) intelligence
E4	CORE	Apply geographic positioning data from a map, image or geospatial data
E4	CORE	Assess adversary activities across all warfare domains
E4	CORE	Assess physical characteristics of the target environment
E6	CORE	Audit analytical processes, methodologies, and approaches
E4	CORE	Brief adversary capabilities and limitations to stakeholders
E4	CORE	Build Open Source Intelligence (OSINT) products
E4	CORE	Build pattern analysis
E4	CORE	Collate threat reporting
E4	CORE	Communicate Computer Network Operations (CNO)
E4	CORE	Communicate counterintelligence activities to stakeholders

ANALYSIS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Communicate Counterintelligence/Human Intelligence (CI/Tactical Counter-Intelligence and Human Intelligence Specialist) architecture to stakeholders
E4	CORE	Communicate Cyber Mission Force (CMF) structure
E4	CORE	Communicate Military Source Operations (MSO)
E4	CORE	Communicate open source architecture to stakeholders
E4	CORE	Communicate Open Source Intelligence (OSINT) to stakeholders
E4	CORE	Communicate Publicly Available Information (PAI) to stakeholders
E4	CORE	Communicate Structured Analytic Techniques (SAT) to stakeholders
E5	CORE	Communicate the role of Counterintelligence (CI) and Human Intelligence (Tactical Counter-Intelligence and Human Intelligence Specialist) in the cyberspace domain
E4	CORE	Compile data from multiple intelligence disciplines
E5	CORE	Conduct analysis and support to Counterintelligence (CI) activities
E4	CORE	Determine intelligence gaps
E5	CORE	Determine warfare threats
E4	CORE	Develop predictive analysis
E5	CORE	Evaluate collection results
E4	CORE	Explain interrogation
E4	CORE	Extract friendly and adversary Order Of Battle (OOB) characteristics
E5	CORE	Implement analytic tradecraft
E5	CORE	Implement Structured Analytic Techniques (SAT)
E7	CORE	Manage intelligence analysis
E4	CORE	Perform analytical processes, methodologies, and approaches
E4	CORE	Perform Joint Intelligence Preparation of the Operational Environment (JIPOE)
E4	CORE	Query multi-disciplined intelligence databases and repositories
E4	CORE	Query open source databases
E7	CORE	Supervise analytical processes, methodologies, and approaches
E4	CORE	Support Offensive Cyberspace Operations (OCO) and Defensive Cyberspace Operations (DCO) missions
E4	CORE	Support structured analytic techniques and tools

COLLECTION

Paygrade	Task Type	Task Statements
E4	CORE	Apply Essential Elements of Information (EEI) to collection requirements
E4	NON-CORE	Collect biographical data
E5	CORE	Conduct Counterintelligence (CI) interviews
E5	CORE	Conduct counterintelligence activities
E5	CORE	Conduct Counterintelligence Collection Activities (CCA)
E5	CORE	Conduct Counterintelligence Functional Services (CIFS) (e.g., installation threat vulnerability assessments, surveillance, surveillance detection, etc.)
E5	CORE	Conduct debriefs in support of Counterintelligence (CI) activities and Human Intelligence (Tactical Counter-Intelligence and Human Intelligence Specialist) operations

COLLECTION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Conduct elicitations (i.e., Counterintelligence (CI) activities, Human Intelligence (Tactical Counter-Intelligence and Human Intelligence Specialist) operations)
E4	NON-CORE	Conduct Foreign Military Intelligence Collection Activities (FORMICA)
E5	CORE	Conduct interrogations
E5	NON-CORE	Conduct maritime intelligence collections and reporting (e.g., Ships Nautical or Otherwise Photographic Interpretation and Examination (SNOOPIE), debrief, etc.)
E5	CORE	Conduct Military Source Operations (MSO)
E4	CORE	Conduct mission debriefs
E4	NON-CORE	Coordinate Document and Media Exploitation (DOMEX)
E4	CORE	Determine collections management process to meet mission requirements
E4	CORE	Determine U.S., coalition, and adversary Intelligence Surveillance and Reconnaissance (ISR) capabilities
E5	CORE	Draft Requests For Information (RFI)
E5	CORE	Employ Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED)
E6	CORE	Implement Intelligence Collection Plans (ICP)
E4	CORE	Perform Operational Tasking (OPTASK) directed intelligence collections

DISSEMINATION

Paygrade	Task Type	Task Statements
E4	CORE	Brief intelligence products
E4	CORE	Disseminate intelligence products
E4	CORE	Provide threat Indications and Warnings (I&W)

GEOSPATIAL INTERPRETATION

Paygrade	Task Type	Task Statements
E4	CORE	Employ geospatial data
E4	CORE	Locate targets of interest on a graphic

INTELLIGENCE PRODUCTION

Paygrade	Task Type	Task Statements
E4	CORE	Build intelligence products (e.g., briefs, messages, point papers, etc.)
E4	CORE	Compile data into intelligence support systems (e.g., strike and intelligence processing systems, etc.)
E4	CORE	Develop intelligence reports
E4	CORE	Develop link analysis diagrams
E5	NON-CORE	Develop node analysis
E4	CORE	Employ intelligence products
E7	CORE	Manage intelligence production
E5	NON-CORE	Prepare Notice of Intelligence Potential (NIP)
E6	CORE	Produce Counterintelligence (CI) and Human Intelligence (Tactical Counter-Intelligence and Human Intelligence Specialist) Operational Proposals (OP)
E5	CORE	Supervise intelligence production
E6	CORE	Validate Intelligence production
E5	NON-CORE	Validate intelligence reports

MAPS AND CHARTS

Paygrade	Task Type	Task Statements
E4	CORE	Annotate maps and charts
E4	CORE	Interpret maps and charts
E4	CORE	Select various types of maps and charts

MISSION PLANNING AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Communicate the Law of Armed Conflict (LOAC) concept in regards to intelligence operations
E5	CORE	Conduct asset assessment in support of Counterintelligence (CI) activities and Human Intelligence (Tactical Counter-Intelligence and Human Intelligence Specialist) operations
E6	CORE	Conduct intelligence support to maritime operations
E5	CORE	Conduct surveillance in support of Human Intelligence (Tactical Counter-Intelligence and Human Intelligence Specialist) operations
E6	CORE	Conduct target development
E5	NON-CORE	Conduct Time-Sensitive Targeting (TST) and Time-Critical Targeting (TCT)
E6	CORE	Coordinate collection requirements
E6	CORE	Coordinate support of Counterintelligence (CI) activities and Human Intelligence (Tactical Counter-Intelligence and Human Intelligence Specialist) operations
E5	CORE	Detect surveillance in support of Human Intelligence (Tactical Counter-Intelligence and Human Intelligence Specialist) operations
E6	CORE	Develop intelligence training plans
E5	CORE	Employ all-source intelligence analysis to enable cross-queuing of multiple intelligence sources
E4	NON-CORE	Employ communications equipment
E4	CORE	Employ targeting support data
E6	CORE	Interpret theater intelligence doctrine (e.g., Operation Plan (OPLAN), Operational Tasking (OPTASK), Concept of Operations (CONOP), etc.)
E7	CORE	Manage Counterintelligence Functional Services (CIFS) (e.g., installation threat vulnerability assessments, surveillance, surveillance detection, etc.)
E6	CORE	Manage intelligence mission areas (e.g., publications library, training, Intelligence Oversight (IO), etc.)
E7	NON-CORE	Manage technical operations in support of Counterintelligence (CI) activities and Human Intelligence (Tactical Counter-Intelligence and Human Intelligence Specialist) operations
E5	NON-CORE	Prepare collection plans
E4	NON-CORE	Provide intelligence support to Military Operations Other Than War (MOOTW)
E5	CORE	Recommend targets based on all source reporting
E6	NON-CORE	Supervise counterintelligence activities
E6	CORE	Supervise Counterintelligence Functional Services (CIFS) (e.g., installation threat vulnerability assessments, surveillance, surveillance detection, etc.)
E6	CORE	Supervise interrogations
E6	CORE	Supervise Military Source Operations (MSO)
E7	CORE	Supervise target development

MISSION PLANNING AND OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED)
E4	NON-CORE	Support Maritime Security Operations (MSO)
E6	NON-CORE	Support Offensive Counterintelligence Operations (OFCO)
E6	CORE	Support operational orders and plans development
E4	CORE	Support Time-Sensitive Targeting (TST) and Time-Critical Targeting (TCT)
E7	CORE	Validate intelligence training plans
E5	CORE	Validate Joint Intelligence Preparation of the Operational Environment (JIPOE) data

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Apply information security policies and procedures
E4	CORE	Apply personnel security policies and procedures
E4	CORE	Apply physical security procedures
E4	CORE	Apply Sensitive Compartmented Information (SCI) security classification markings
E4	CORE	Communicate intelligence systems architecture
E4	CORE	Communicate Sensitive Compartmented Information (SCI) classified material releasability
E6	CORE	Coordinate installation of intelligence systems
E5	NON-CORE	Create exercise scenarios
E4	CORE	Destroy Sensitive Compartmented Information (SCI) material
E5	NON-CORE	Draft exercise support products (e.g., injects, scripting, etc.)
E6	NON-CORE	Evaluate intelligence exercise performance
E7	CORE	Manage Counter Intelligence Coordinating Authority (CICA) functions
E7	CORE	Manage counterintelligence activities
E6	NON-CORE	Manage Intelligence Oversight (IO) programs
E7	CORE	Manage interrogation operations
E7	CORE	Manage Military Source Operations (MSO)
E7	CORE	Manage N2X Functions
E4	CORE	Protect Sensitive Compartmented Information (SCI) holdings
E4	CORE	Report Intelligence Oversight (IO) program violations
E4	CORE	Sanitize Sensitive Compartmented Information (SCI)
E7	NON-CORE	Validate intelligence exercises performance

CHAPTER 47

LOGISTICS SPECIALIST (LS)

NAVPERS 18068F-47C
Change 105

Updated: January 2026

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NAVY ENLISTED OCCUPATIONAL STANDARDS

FOR

LOGISTICS SPECIALIST (LS)

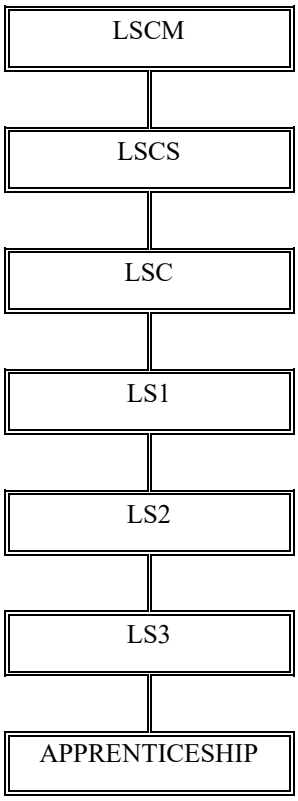
SCOPE OF RATING

Logistics Specialists (LS) provide diverse logistics and accounting support in a global setting to aviation, surface, subsurface, and expeditionary forces; forecast, order, receive, inventory, inspect, stow, preserve, package, ship, and issue materials and cargo; account for government materials; prepare, maintain, and audit financial accounts and records; and prepare and maintain required forms, records, correspondence, reports, and files.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 47.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Logistics Manager

Job Code

001742

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	LOGISTICS MANAGER	LOGISTICS MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	LS	NEC SXXX, 7XXX series and other NECs as assigned

Job Description

Logistic Managers perform functions related to forecasting, material procurement, financial accounting, administration, technical research, audits, and inspections; perform and oversee warehousing functions including receipt, storage, and the issue of materials; conduct and oversee ordering, issuing, inventorying, and tracking of repairable assets; prepare requisitions for material outside normal supply channels; liaise with vendors, contractors, and husbanding agents; formulate load-out plans for deployments; and conduct and maintain supply activity inventories.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Supply Administration	155100	Supply Chain Managers	11-3071.04	Management

Skills	Abilities
Quality Control Analysis	*Written Comprehension*
Monitoring	*Problem Sensitivity*
Management of Material Resources	*Speed of Closure*
Management of Financial Resources	*Inductive Reasoning*
Judgment and Decision Making	*Information Ordering*
Coordination	*Deductive Reasoning*
Critical Thinking	*Mathematical Reasoning*
Reading Comprehension	*Written Expression*
Operation and Control	*Oral Expression*
Systems Analysis	*Number Facility*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Analyze supply ad-hoc query data
E5	CORE	Initiate causative research on inventory discrepancies (e.g., Gain By Inventory (GBI), Loss By Inventory (LBI), etc.)
E4	CORE	Maintain files (e.g., expenditure invoices, inventory records, etc.)
E4	CORE	Maintain flight packets
E4	CORE	Maintain key control
E5	CORE	Maintain Repair Parts Petty Officer (RPPO) programs
E6	CORE	Manage Repair Parts Petty Officer (RPPO) programs
E5	CORE	Process Automated Shore Interface (ASI) files
E5	CORE	Process Monthly Change Notices (MCN)
E7	CORE	Process personal effects
E4	CORE	Provide customer service
E5	CORE	Reconcile Stock-in-Transit or Material-in-Transit (SIT/MIT) reports
E5	CORE	Update supply database tables (e.g., Local Management Code (LMC), Fund Code, Unit Identification Code (UIC), etc.)
E6	CORE	Validate completed material receipts
E5	NON-CORE	Validate Component Control Section (CCS) report data
E6	CORE	Validate incoming requisition status reports
E5	CORE	Validate Material Obligation Validations (MOV)
E5	CORE	Validate Material Outstanding Files (MOF)

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Validate materials not in physical custody of supply officers
E6	CORE	Validate Monthly Change Notices (MCN)
E7	CORE	Validate stock levels
E6	CORE	Validate stock reorder review listings
E6	CORE	Validate Stock-in-Transit or Material-in-Transit (SIT/MIT) reports
E5	CORE	Validate supply database tables (e.g., Local Management Code (LMC), Fund Code, Unit Identification Code (UIC), etc.)
E6	CORE	Validate supply management reports (e.g., logistics, financial, inventory, etc.)
E6	CORE	Validate supply portion of Casualty Reports (CASREP)
E6	NON-CORE	Verify Component Control Section (CCS) report data
E5	CORE	Verify fuel transactions
E5	NON-CORE	Verify Individual Component Repair Lists (ICRL)
E6	CORE	Verify Material Outstanding Files (MOF)
E7	CORE	Verify Monthly Change Notices (MCN)
E7	CORE	Verify stock control review listings
E7	CORE	Verify supply management reports (e.g., logistics, financial, inventory, etc.)

FINANCIAL

Paygrade	Task Type	Task Statements
E6	CORE	Adjust stock levels
E7	CORE	Certify invoices for payment (e.g., air fuel card, sea fuel card, Government Purchase Card (GPC), etc.)
E5	CORE	Establish continuing services and accounts
E5	CORE	Maintain continuing services and accounts
E5	CORE	Maintain Operating Target (OPTAR)
E5	CORE	Manage financial systems
E5	CORE	Process end of fiscal year closeouts
E5	CORE	Process inventory discrepancies (e.g., Gain By Inventory (GBI), Loss By Inventory (LBI), etc.)
E5	CORE	Process live Operating Target (OPTAR) Transmittal Letter (TL) reports
E5	CORE	Process Operating Target (OPTAR) augment requests and grants
E7	CORE	Review contract documents (e.g., Husbanding Service Provider (HSP) services, Port Visit Checklist, etc.)
E6	CORE	Submit Operating Target (OPTAR) augment requests
E7	CORE	Validate Budget Operating Reports (BOR)
E6	CORE	Validate end of fiscal year closeouts
E6	CORE	Validate inventory discrepancies (e.g., Gain By Inventory (GBI), Loss By Inventory (LBI), etc.)
E6	CORE	Validate non-standard requisitions (e.g., Government Purchase Card (GPC), Money Value Only (MVO), etc.)
E6	CORE	Validate standard requisitions
E7	CORE	Verify end of fiscal year closeouts

INSPECTION AND EVALUATION

Paygrade	Task Type	Task Statements
E6	CORE	Audit Hazardous Materials (HAZMAT) programs
E5	CORE	Conduct material stowage inspections (e.g., Hazardous Materials (HAZMAT), Depot Level Repairable (DLR) lockers, etc.)
E5	CORE	Inventory materials not in physical custody of supply officers
E5	CORE	Inventory presentation silver and other valuable gifts
E5	CORE	Maintain Maintenance Assistance Modules (MAM) inventories
E5	NON-CORE	Reconcile Table of Allowances (TOA) for expeditionary forces
E6	CORE	Validate stock materials for offload (e.g., Defense Logistics Agency (DLA) Disposition Services, Material Turned Into Store (MTIS), Other Supply Officer (OSO), etc.)
E6	CORE	Validate warehouse refusals
E7	CORE	Verify security of spaces (e.g., Storeroom, Hazardous Materials (HAZMAT), controlled spaces, etc.)

LOGISTICS

Paygrade	Task Type	Task Statements
E5	CORE	Maintain Depot Level Repairable (DLR) programs (e.g., inventory, issue, receive, etc.)
E5	CORE	Maintain Pack-Up Kit (PUK) program (e.g., issue, receive, inventory, etc.)
E5	CORE	Manage Shelf-Life Program
E6	CORE	Prepare for materials onload (e.g., Replenishment at Sea (RAS), stores onload, etc.)
E5	CORE	Process Hazardous Materials (HAZMAT) for offload
E5	NON-CORE	Validate Awaiting Parts (AWP) reports
E6	CORE	Validate Cannibalization (CANNAB) requests
E5	CORE	Validate stock control review listings

MANAGEMENT

Paygrade	Task Type	Task Statements
E7	CORE	Brief statuses of supply operations (e.g., Commanding Officer's (CO) monthly report, Eight O' Clock, etc.)
E7	CORE	Forecast financial and material requirements
E5	NON-CORE	Manage Automated Information System (AIS) user accounts
E7	NON-CORE	Manage controlled equipage (e.g., issue, receiving, inventory, etc.)
E6	NON-CORE	Manage Tool Control Program (TCP)
E6	CORE	Prepare annual physical inventory schedules
E7	CORE	Submit non-standard requisitions (e.g., Government Purchase Card (GPC), Money Value Only (MVO), etc.)
E5	CORE	Submit standard requisitions
E6	CORE	Validate Depot Level Repairable (DLR) programs (e.g., inventory, issue, receive, etc.)
E6	CORE	Validate Financial Liability Investigation of Property Loss (DD FORM 200) forms and supporting documents
E7	CORE	Verify completed material receipts
E7	CORE	Verify Depot Level Repairable (DLR) programs (e.g., inventory, issue, receive, etc.)

MANAGEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Verify Financial Liability Investigation of Property Loss (DD FORM 200) forms and supporting documents
E7	CORE	Verify incoming requisition status reports
E7	CORE	Verify inventory discrepancies (e.g., Gain By Inventory (GBI), Loss By Inventory (LBI), etc.)
E7	CORE	Verify Material Obligation Validations (MOV)
E7	CORE	Verify materials not in physical custody of supply officers
E7	CORE	Verify non-standard requisitions (e.g., Government Purchase Card (GPC), Money Value Only (MVO), etc.)
E7	CORE	Verify standard requisitions
E7	CORE	Verify stock materials for offload (e.g., Defense Logistics Agency (DLA) Disposition Services, Material Turned Into Store (MTIS), Other Supply Officer (OSO), etc.)
E7	CORE	Verify stock reorder review listings
E7	CORE	Verify Stock-in-Transit or Material-in-Transit (SIT/MIT) reports
E6	CORE	Verify supply readiness data
E7	CORE	Verify warehouse refusals

Job Title

Logistician

Job Code

001747

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Business and Financial Operations	TBD	LOGISTICIAN	LOGISTICIAN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	LS	NEC SXXX, 7XXX series and other NECs as assigned

Job Description

Logisticians manage all supply functions; forecast, procure, receive, stow, issue, and inventory material; perform inspection and audit of all supply areas; maintain financial records and reports; take corrective action on financial discrepancies and make budget-related recommendations; maintain supply management computer systems data; generate required reports; and maintain supply system integrity.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Supply Administration	155100	Logisticians	13-1081.00	Business and Financial Operations

Skills	Abilities
Quality Control Analysis	*Written Comprehension*
Management of Material Resources	*Problem Sensitivity*
Monitoring	*Inductive Reasoning*
Coordination	*Information Ordering*
Reading Comprehension	*Speed of Closure*
Management of Financial Resources	*Deductive Reasoning*
Judgment and Decision Making	*Written Expression*
Critical Thinking	*Category Flexibility*
Operation and Control	*Number Facility*
Writing	*Mathematical Reasoning*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Cross-check requisition data
E5	CORE	Initiate causative research on inventory discrepancies (e.g., Gain By Inventory (GBI), Loss By Inventory (LBI), etc.)
E4	CORE	Maintain files (e.g., expenditure invoices, inventory records, etc.)
E4	CORE	Maintain flight packets
E4	CORE	Maintain key control
E5	CORE	Maintain Repair Parts Petty Officer (RPPO) programs
E5	CORE	Prepare Financial Liability Investigation of Property Loss (DD FORM 200) forms and supporting documents
E5	CORE	Process Automated Shore Interface (ASI) files
E4	CORE	Process completed material receipts
E4	NON-CORE	Process Component Control Section (CCS) report data
E4	CORE	Process Defective Material Summaries (DMS) (i.e., nuclear and non-nuclear)
E4	CORE	Process incoming requisition status reports
E4	CORE	Process Material Outstanding Files (MOF)
E5	CORE	Process Monthly Change Notices (MCN)
E7	CORE	Process personal effects
E4	CORE	Provide customer service
E5	CORE	Reconcile outstanding carcass tracking data
E5	CORE	Reconcile Stock-in-Transit or Material-in-Transit (SIT/MIT) reports

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Record receipt files
E4	CORE	Submit Casualty Report (CASREP) requisitions
E5	CORE	Submit Material Review Control (MRC) data
E4	CORE	Update incoming requisition status reports
E4	CORE	Update receipt files
E5	CORE	Update supply database tables (e.g., Local Management Code (LMC), Fund Code, Unit Identification Code (UIC), etc.)
E6	CORE	Validate completed material receipts
E5	NON-CORE	Validate Component Control Section (CCS) report data
E6	CORE	Validate incoming requisition status reports
E5	CORE	Validate Material Obligation Validations (MOV)
E5	CORE	Validate Material Outstanding Files (MOF)
E6	CORE	Validate materials not in physical custody of supply officers
E6	CORE	Validate stock reorder review listings
E6	CORE	Validate Stock-in-Transit or Material-in-Transit (SIT/MIT) reports
E5	CORE	Validate supply database tables (e.g., Local Management Code (LMC), Fund Code, Unit Identification Code (UIC), etc.)
E6	CORE	Validate supply management reports (e.g., logistics, financial, inventory, etc.)
E6	CORE	Validate supply portion of Casualty Reports (CASREP)
E6	NON-CORE	Verify Component Control Section (CCS) report data
E5	CORE	Verify fuel transactions
E5	NON-CORE	Verify Individual Component Repair Lists (ICRL)
E4	CORE	Verify maintenance forms (e.g., Ship's Maintenance Action Form (OPNAV 4790/2K), Visual Information Display System Maintenance Action Form (OPNAV 4790/60), etc.)
E6	CORE	Verify Material Outstanding Files (MOF)
E7	CORE	Verify stock control review listings

FINANCIAL

Paygrade	Task Type	Task Statements
E5	CORE	Establish continuing services and accounts
E5	CORE	Maintain continuing services and accounts
E5	CORE	Maintain Government Purchase Card (GPC) program and contract files
E5	CORE	Maintain Operating Target (OPTAR)
E5	CORE	Manage financial systems
E4	CORE	Prepare non-standard requisitions (e.g., Government Purchase Card (GPC), Money Value Only (MVO), etc.)
E4	CORE	Prepare standard requisitions
E5	CORE	Process Difference Listings (DL)
E5	CORE	Process end of fiscal year closeouts
E5	CORE	Process inventory discrepancies (e.g., Gain By Inventory (GBI), Loss By Inventory (LBI), etc.)

FINANCIAL (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Process live Operating Target (OPTAR) Transmittal Letter (TL) reports
E4	CORE	Process Material Obligation Validations (MOV)
E5	CORE	Process Operating Target (OPTAR) augment requests and grants
E4	CORE	Process stock materials for offload (e.g., Defense Logistics Agency (DLA) Disposition Services, Material Turned Into Store (MTIS), Other Supply Officer (OSO), etc.)
E6	CORE	Validate inventory discrepancies (e.g., Gain By Inventory (GBI), Loss By Inventory (LBI), etc.)
E5	CORE	Validate invoices and bills
E6	CORE	Validate non-standard requisitions (e.g., Government Purchase Card (GPC), Money Value Only (MVO), etc.)
E6	CORE	Validate standard requisitions

INSPECTION AND EVALUATION

Paygrade	Task Type	Task Statements
E6	CORE	Audit Hazardous Materials (HAZMAT) programs
E4	CORE	Conduct Location Audit Program (LAP) inventories
E5	CORE	Conduct material stowage inspections (e.g., Hazardous Materials (HAZMAT), Depot Level Repairable (DLR) lockers, etc.)
E4	NON-CORE	Inventory aircraft equipment and materials
E5	CORE	Inventory materials not in physical custody of supply officers
E4	CORE	Inventory stock materials and supplies
E5	CORE	Maintain Maintenance Assistance Modules (MAM) inventories
E4	CORE	Perform preventive maintenance on valves
E4	CORE	Perform preventive maintenance on ventilation systems
E5	NON-CORE	Reconcile Table of Allowances (TOA) for expeditionary forces
E6	CORE	Validate stock materials for offload (e.g., Defense Logistics Agency (DLA) Disposition Services, Material Turned Into Store (MTIS), Other Supply Officer (OSO), etc.)
E6	CORE	Validate warehouse refusals

LOGISTICS

Paygrade	Task Type	Task Statements
E4	CORE	Distribute customer materials
E4	CORE	Inventory Hazardous Materials (HAZMAT)
E4	CORE	Issue Hazardous Materials (HAZMAT)
E4	CORE	Issue organizational clothing (e.g., Two-Piece Organizational Clothing (2POC), Fire Retardant Variant (FRV), etc.)
E5	NON-CORE	Maintain controlled equipage (e.g., issue, receiving, inventory, etc.)
E5	CORE	Maintain Depot Level Repairable (DLR) programs (e.g., inventory, issue, receive, etc.)
E5	CORE	Maintain Pack-Up Kit (PUK) program (e.g., issue, receive, inventory, etc.)
E4	NON-CORE	Maintain Phase Kits
E4	NON-CORE	Maintain Pre-Expended Bin (PEB) material

LOGISTICS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Maintain Tool Control Program (TCP)
E5	CORE	Manage Shelf-Life Program
E5	CORE	Perform Cannibalization (CANNAB) requests
E5	CORE	Process Hazardous Materials (HAZMAT) for offload
E4	CORE	Process material issues from stock
E4	CORE	Process materials for shipment
E5	CORE	Process warehouse refusals
E4	CORE	Receive Hazardous Materials (HAZMAT)
E4	CORE	Reconcile issues pending listings
E4	CORE	Return materials to storeroom stock
E4	CORE	Stow Hazardous Materials (HAZMAT)
E4	CORE	Stow materials
E5	CORE	Submit discrepancy reports in Product Data Reporting and Evaluation Program (PDREP) (e.g., Supply Discrepancy Reports (SDR), Product Quality Deficiency Reports (PQDR)), etc.)
E4	CORE	Transfer stock materials for offload (e.g., Defense Logistics Agency (DLA) Disposition Services, Material Turned Into Store (MTIS), Other Supply Officer (OSO), etc.)
E5	CORE	Validate issues pending listings
E5	CORE	Validate stock control review listings

MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Prepare annual physical inventory schedules
E4	CORE	Process stock reorder review listings
E7	CORE	Submit non-standard requisitions (e.g., Government Purchase Card (GPC), Money Value Only (MVO), etc.)
E5	CORE	Submit standard requisitions
E6	CORE	Validate Depot Level Repairable (DLR) programs (e.g., inventory, issue, receive, etc.)
E7	CORE	Verify completed material receipts
E7	CORE	Verify incoming requisition status reports
E7	CORE	Verify inventory discrepancies (e.g., Gain By Inventory (GBI), Loss By Inventory (LBI), etc.)
E7	CORE	Verify materials not in physical custody of supply officers
E7	CORE	Verify non-standard requisitions (e.g., Government Purchase Card (GPC), Money Value Only (MVO), etc.)
E7	CORE	Verify standard requisitions
E7	CORE	Verify stock materials for offload (e.g., Defense Logistics Agency (DLA) Disposition Services, Material Turned Into Store (MTIS), Other Supply Officer (OSO), etc.)
E7	CORE	Verify Stock-in-Transit or Material-in-Transit (SIT/MIT) reports

CHAPTER 47

LOGISTICS SPECIALIST (SUBMARINE)
(LSS)

NAVPERS 18068F-47B
Change 105

Updated: January 2026

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LOGISTICS SPECIALIST (SUBMARINE) (LSS)

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

LOGISTICS SPECIALIST (SUBMARINE) (LSS)

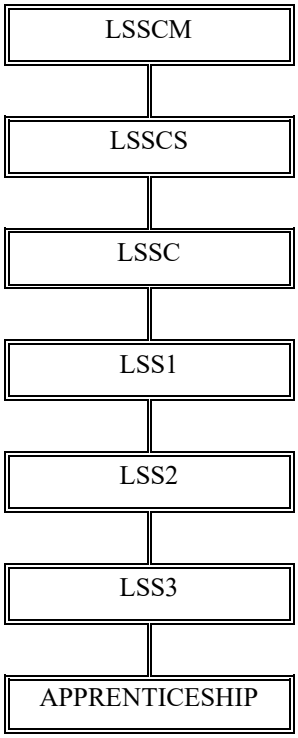
SCOPE OF RATING

Logistics Specialists (Submarine) (LSS) provide diverse logistics and accounting support in a global setting to submarine and submarine support forces; forecast, order, receive, inventory, inspect, stow, preserve, package, ship, and issue material; account for government material; prepare, maintain, and audit financial accounts and records; and prepare and maintain required forms, records, correspondence, reports, and files.

These Occupational Standards are to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 47.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Submarine Logistics Manager 002773

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	SUBMARINE LOGISTICS MANAGER	SUB LOGIST MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	LSS	NEC RXXX, SXXX, and 7XXX series and other NECs as assigned.

Job Description

Submarine Logistics Managers perform functions related to forecasting, material procurement, financial accounting, administration, technical research, audits, and inspections; perform and oversee warehousing functions including the receipt, storage, and issue of materials; conduct and oversee ordering, issuing, inventorying, and tracking of repairable assets; prepare requisitions for material outside normal supply channels; liaise with vendors, contractors, and husbanding agents; formulate load-out plans for deployments; and conduct and maintain supply activity inventories.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Supply Administration	155100	Supply Chain Managers	11-3071.04	Management

Skills	Abilities
Quality Control Analysis	*Written Comprehension*
Management of Material Resources	*Information Ordering*
Operation and Control	*Inductive Reasoning*
Coordination	*Written Expression*
Judgment and Decision Making	*Deductive Reasoning*
Management of Financial Resources	*Mathematical Reasoning*
Monitoring	*Number Facility*
Critical Thinking	*Category Flexibility*
Troubleshooting	*Problem Sensitivity*
Writing	*Oral Expression*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	CORE	Adjust stock levels
E6	CORE	Analyze supply ad-hoc query data
E5	CORE	Initiate causative research on inventory discrepancies (e.g., Gain By Inventory (GBI), Loss By Inventory (LBI), etc.)
E4	CORE	Maintain files (e.g., expenditure invoices, inventory records, etc.)
E5	CORE	Maintain Maintenance Assistance Modules (MAM) inventories
E6	CORE	Maintain Segregation of Duties (SOD) functions
E5	CORE	Prepare Financial Liability Investigation of Property Loss (DD FORM 200) forms and supporting documents
E4	CORE	Prepare non-standard requisitions (e.g., Government Purchase Card (GPC), Money Value Only (MVO), etc.)
E5	CORE	Prepare standard requisitions
E7	CORE	Prepare supply messages (e.g., Military Standard Requisitioning and Issue Procedures (MILSTRIP), Casualty Report (CASREP), Document Receipt Acknowledgement (DRA), etc.)
E4	CORE	Process completed material receipts
E5	CORE	Process incoming requisition status reports
E7	CORE	Process personal effects
E6	CORE	Process Submarine Logistics Database (SLDB) reconciliations

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Process supply systems management reports (e.g., Expenditure Control Log, Pending Issue Listing, Gain By Inventory (GBI), Loss By Inventory (LBI) Report, etc.)
E5	CORE	Submit non-standard requisitions (e.g., Government Purchase Card (GPC), Money Value Only (MVO), etc.)
E5	CORE	Submit standard requisitions
E4	CORE	Update incoming requisition status reports
E6	CORE	Validate Financial Liability Investigation of Property Loss (DD FORM 200) forms and supporting documents
E6	CORE	Validate Material Obligation Validations (MOV)
E6	CORE	Validate Material Outstanding Files (MOF)
E6	CORE	Validate materials not in physical custody of supply officers
E6	CORE	Validate stock control review listings
E6	CORE	Validate stock reorder review listings
E6	CORE	Validate Submarine Logistics Database (SLDB) reconciliations
E6	CORE	Validate supply management reports (e.g., logistics, financial, inventory, etc.)
E4	CORE	Verify Consolidated Remain-in-Place Lists (CRIPL)
E6	CORE	Verify Financial Liability Investigation of Property Loss (DD FORM 200) forms and supporting documents
E6	CORE	Verify Material Obligation Validations (MOV)
E6	CORE	Verify Material Outstanding Files (MOF)
E6	CORE	Verify materials not in physical custody of supply officers
E6	CORE	Verify stock control review listings
E6	CORE	Verify stock reorder review listings
E6	CORE	Verify supply management reports (e.g., logistics, financial, inventory, etc.)

FINANCIAL

Paygrade	Task Type	Task Statements
E7	CORE	Certify invoices for payment (e.g., Government Purchase Card (GPC), contracts, etc.)
E7	CORE	Establish continuing services and accounts
E5	CORE	Maintain continuing services and accounts
E7	CORE	Maintain Operating Target (OPTAR)
E7	CORE	Process Difference Listings (DL)
E6	CORE	Process end of fiscal year closeouts
E6	CORE	Process live Operating Target (OPTAR) Transmittal Letter (TL) reports
E6	CORE	Process Monthly Change Notices (MCN)
E7	CORE	Process Operating Target (OPTAR) augment requests and grants
E7	CORE	Submit Operating Target (OPTAR) augment requests
E7	CORE	Validate Budget Operating Reports (BOR)
E6	CORE	Validate end of fiscal year closeouts

FINANCIAL (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Validate Financial and Audit Readiness (FIAR) for all applicable records
E6	CORE	Validate invoices and bills
E6	CORE	Validate Monthly Change Notices (MCN)
E6	CORE	Validate non-standard requisitions (e.g., Government Purchase Card (GPC), Money Value Only (MVO), etc.)
E6	CORE	Validate standard requisitions
E6	CORE	Verify end of fiscal year closeouts
E6	CORE	Verify Monthly Change Notices (MCN)
E6	CORE	Verify non-standard requisitions (e.g., Government Purchase Card (GPC), Money Value Only (MVO), etc.)
E6	CORE	Verify standard requisitions

LOGISTICS

Paygrade	Task Type	Task Statements
E4	CORE	Distribute customer materials
E4	CORE	Inventory Hazardous Materials (HAZMAT)
E4	CORE	Inventory stock materials and supplies
E4	CORE	Issue Depot Level Repairable (DLR) materials
E4	CORE	Issue Hazardous Materials (HAZMAT)
E4	CORE	Issue organizational clothing (e.g., Two-Piece Organizational Clothing (2POC), Fire Retardant Variant (FRV), etc.)
E6	CORE	Prepare Configuration Change Requests (CCR) and Reactor Plant Configuration Change Requests (RPCCR)
E5	NON-CORE	Prepare documents for contractor and vendor transactions
E6	CORE	Prepare Fleet Coordinated Shipboard Allowance List (COSAL) Feedback Reports (FCFBR)
E6	CORE	Process Allowance Change Requests (ACR)
E5	CORE	Process carcasses for turn-in
E6	CORE	Process Fleet Coordinated Shipboard Allowance List (COSAL) Feedback Reports (FCFBR)
E4	CORE	Process Hazardous Materials (HAZMAT) for offload
E5	CORE	Process inventory discrepancies (e.g., Gain By Inventory (GBI), Loss By Inventory (LBI), etc.)
E4	CORE	Process material issues from stock
E5	CORE	Process Material Support Problem Identification Sheets (MSPIS)
E5	CORE	Process materials for shipment
E4	CORE	Process Nuclear Defective Material Summaries (QDMS) and non-nuclear Defective Material Summaries (DMS)
E5	CORE	Process stock materials for offload (e.g., Defense Logistics Agency (DLA) Disposition Services, Material Turned Into Store (MTIS), Other Supply Officer (OSO), etc.)
E4	CORE	Process warehouse refusals

LOGISTICS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Provide customer service
E4	CORE	Receive Depot Level Repairable (DLR) materials
E4	CORE	Receive Hazardous Materials (HAZMAT)
E4	CORE	Reconcile issues pending listings
E5	CORE	Reconcile outstanding carcass tracking data
E4	CORE	Return materials to storeroom stock
E4	CORE	Stow Hazardous Materials (HAZMAT)
E4	CORE	Stow materials
E4	CORE	Stow special category materials
E5	CORE	Submit Casualty Report (CASREP) requisitions
E5	CORE	Submit discrepancy reports in Product Data Reporting and Evaluation Program (PDREP) (e.g., Supply Discrepancy Reports (SDR), Product Quality Deficiency Reports (PQDR)), etc.)
E6	CORE	Supervise the expediting of materials
E4	CORE	Transfer stock materials for offload (e.g., Defense Logistics Agency (DLA) Disposition Services, Material Turned Into Store (MTIS), Other Supply Officer (OSO), etc.)
E4	CORE	Update stowage locations Logistics Marking and Reading (LOGMAR) symbols (e.g., Hazardous Materials (HAZMAT), Depot Level Repairable (DLR), etc.)
E6	CORE	Update supply database tables (e.g., Local Management Code (LMC), Fund Code, Unit Identification Code (UIC), etc.)
E6	CORE	Validate Automatic Reorder Restriction Code (ARRC) listings
E6	CORE	Validate Cannibalization (CANNAB) requests
E7	CORE	Validate inventory discrepancies (e.g., Gain By Inventory (GBI), Loss By Inventory (LBI), etc.)
E6	CORE	Validate issues pending listings
E6	CORE	Validate Material Support Problem Identification Sheets (MSPIS)
E6	CORE	Validate Stock Item Maintenance (SIM)/Demand Based Items (DBI) parameters
E7	CORE	Validate stock levels
E5	CORE	Validate Submarine Hazardous Material Inventory and Management System (SHIMS) information
E7	CORE	Validate supply database tables (e.g., Local Management Code (LMC), Fund Code, Unit Identification Code (UIC), etc.)
E6	CORE	Validate supply portion of Casualty Reports (CASREP)
E6	CORE	Validate warehouse refusals
E7	CORE	Verify inventory discrepancies (e.g., Gain By Inventory (GBI), Loss By Inventory (LBI), etc.)
E6	CORE	Verify warehouse refusals

MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Audit Hazardous Materials (HAZMAT) programs
E7	CORE	Brief statuses of supply operations
E5	CORE	Conduct material stowage inspections (e.g., Hazardous Materials (HAZMAT), Depot Level Repairable (DLR) lockers, etc.)
E7	CORE	Coordinate Hazardous Materials (HAZMAT) programs
E7	CORE	Maintain Coordinated Shipboard Allowance List (COSAL) maintenance logs
E5	CORE	Maintain Depot Level Repairable (DLR) programs (e.g., inventory, issue, receive, etc.)
E6	CORE	Manage Automated Information System (AIS) user accounts
E6	CORE	Manage carcass tracking programs
E6	CORE	Manage Shelf-Life Program
E7	CORE	Prepare annual physical inventory schedules
E7	CORE	Validate Automated Shore Interfaces (ASI)
E7	CORE	Validate completed material receipts
E6	CORE	Validate Continuous Monitoring Program (CMP) submission requirements
E7	CORE	Validate Coordinated Shipboard Allowance Lists (COSAL)
E6	CORE	Validate Depot Level Repairable (DLR) inventories
E7	CORE	Validate Depot Level Repairable (DLR) programs (e.g., inventory, issue, receive, etc.)
E7	CORE	Validate incoming requisition status reports
E6	CORE	Validate stock materials for offload (e.g., Defense Logistics Agency (DLA) Disposition Services, Material Turned Into Store (MTIS), Other Supply Officer (OSO), etc.)
E6	CORE	Validate stowage locations Logistics Marking and Reading (LOGMAR) symbols (e.g., Hazardous Materials (HAZMAT), Depot Level Repairable (DLR), etc.)
E7	CORE	Validate Submarine Escape and Immersion Equipment (SEIE) inventories
E7	CORE	Verify completed material receipts
E7	CORE	Verify Depot Level Repairable (DLR) programs (e.g., inventory, issue, receive, etc.)
E7	CORE	Verify incoming requisition status reports
E7	CORE	Verify Internal Supply Management Reports (ISMR)
E6	CORE	Verify stock materials for offload (e.g., Defense Logistics Agency (DLA) Disposition Services, Material Turned Into Store (MTIS), Other Supply Officer (OSO), etc.)

Job Title

Submarine Logistician

Job Code

002774

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Office and Administrative Support	TBD	SUBMARINE LOGISTICIAN	SUB LOGISTN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	LSS	NEC RXXX, SXXX, and 7XXX series and other NECs as assigned.

Job Description

Submarine Logisticians manage all supply functions; forecast, procure, receive, stow, issue, and inventory material; perform inspection and audit of all supply areas; maintain financial records and reports; take corrective action on financial discrepancies and make budget-related recommendations; maintain supply management computer systems data; generate required reports; and maintain supply system integrity.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Supply Administration	155100	Procurement Clerks	43-3061.00	Office and Administrative Support

Skills	Abilities
Management of Material Resources	*Written Comprehension*
Judgment and Decision Making	*Information Ordering*
Quality Control Analysis	*Inductive Reasoning*
Coordination	*Deductive Reasoning*
Operation and Control	*Written Expression*
Critical Thinking	*Category Flexibility*
Management of Financial Resources	*Problem Sensitivity*
Monitoring	*Oral Expression*
Reading Comprehension	*Extent Flexibility*
Troubleshooting	*Number Facility*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Initiate causative research on inventory discrepancies (e.g., Gain By Inventory (GBI), Loss By Inventory (LBI), etc.)
E4	CORE	Maintain completed material receipts
E4	CORE	Maintain files (e.g., expenditure invoices, inventory records, etc.)
E4	CORE	Maintain Government Purchase Card (GPC) program and contract files
E5	CORE	Maintain Maintenance Assistance Modules (MAM) inventories
E4	CORE	Maintain supply or transportation discrepancy reports
E5	CORE	Prepare Financial Liability Investigation of Property Loss (DD FORM 200) forms and supporting documents
E4	CORE	Prepare non-standard requisitions (e.g., Government Purchase Card (GPC), Money Value Only (MVO), etc.)
E5	CORE	Prepare standard requisitions
E4	CORE	Process completed material receipts
E5	CORE	Process incoming requisition status reports
E5	CORE	Process Material Obligation Validations (MOV)
E5	CORE	Process Material Outstanding Files (MOF)
E5	CORE	Process stock reorder review listings
E6	CORE	Process Submarine Logistics Database (SLDB) reconciliations
E5	CORE	Process supply systems management reports (e.g., Expenditure Control Log, Pending Issue Listing, Gain By Inventory (GBI), Loss By Inventory (LBI) Report, etc.)

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Submit non-standard requisitions (e.g., Government Purchase Card (GPC), Money Value Only (MVO), etc.)
E5	CORE	Submit standard requisitions
E4	CORE	Update incoming requisition status reports
E6	CORE	Validate stock control review listings
E6	CORE	Validate supply management reports (e.g., logistics, financial, inventory, etc.)
E4	CORE	Verify Consolidated Remain-in-Place Lists (CRIPL)
E6	CORE	Verify stock control review listings
E6	CORE	Verify supply management reports (e.g., logistics, financial, inventory, etc.)

FINANCIAL

Paygrade	Task Type	Task Statements
E5	CORE	Maintain continuing services and accounts
E7	CORE	Maintain Operating Target (OPTAR)
E6	CORE	Validate invoices and bills

LOGISTICS

Paygrade	Task Type	Task Statements
E4	CORE	Distribute customer materials
E4	CORE	Inventory Hazardous Materials (HAZMAT)
E4	CORE	Inventory stock materials and supplies
E4	CORE	Issue Depot Level Repairable (DLR) materials
E4	CORE	Issue Hazardous Materials (HAZMAT)
E4	CORE	Issue organizational clothing (e.g., Two-Piece Organizational Clothing (2POC), Fire Retardant Variant (FRV), etc.)
E5	CORE	Perform Cannibalization (CANNAB) requests
E4	CORE	Perform the expediting of materials
E6	CORE	Prepare Configuration Change Requests (CCR) and Reactor Plant Configuration Change Requests (RPCCR)
E5	NON-CORE	Prepare documents for contractor and vendor transactions
E6	CORE	Prepare Fleet Coordinated Shipboard Allowance List (COSAL) Feedback Reports (FCFBR)
E4	CORE	Process Cancel Excess Stock Dues
E5	CORE	Process carcasses for turn-in
E4	CORE	Process daily suspense listings
E4	CORE	Process Force Inventory Transmission System Download Listings (FITS-DL)
E4	CORE	Process Hazardous Materials (HAZMAT) for offload
E4	CORE	Process material issues from stock
E5	CORE	Process Material Support Problem Identification Sheets (MSPIS)
E5	CORE	Process materials for shipment
E4	CORE	Process Nuclear Defective Material Summaries (QDMS) and non-nuclear Defective Material Summaries (DMS)

LOGISTICS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Process stock materials for offload (e.g., Defense Logistics Agency (DLA) Disposition Services, Material Turned Into Store (MTIS), Other Supply Officer (OSO), etc.)
E4	CORE	Process warehouse refusals
E4	CORE	Provide customer service
E5	CORE	Provide management data for Internal Supply Management Reports (ISMR)
E4	CORE	Receive Depot Level Repairable (DLR) materials
E4	CORE	Receive Hazardous Materials (HAZMAT)
E4	CORE	Reconcile issues pending listings
E5	CORE	Reconcile outstanding carcass tracking data
E4	CORE	Return materials to storeroom stock
E4	CORE	Stow Hazardous Materials (HAZMAT)
E4	CORE	Stow materials
E4	CORE	Stow special category materials
E5	CORE	Submit discrepancy reports in Product Data Reporting and Evaluation Program (PDREP) (e.g., Supply Discrepancy Reports (SDR), Product Quality Deficiency Reports (PQDR)), etc.)
E6	CORE	Supervise the expediting of materials
E4	CORE	Transfer stock materials for offload (e.g., Defense Logistics Agency (DLA) Disposition Services, Material Turned Into Store (MTIS), Other Supply Officer (OSO), etc.)
E6	CORE	Validate Automatic Reorder Restriction Code (ARRC) listings
E6	CORE	Validate Cannibalization (CANNAB) requests
E6	CORE	Validate issues pending listings
E4	CORE	Validate Not-Carried requests
E5	CORE	Validate Submarine Hazardous Material Inventory and Management System (SHIMS) information
E7	CORE	Validate supply database tables (e.g., Local Management Code (LMC), Fund Code, Unit Identification Code (UIC), etc.)
E6	CORE	Validate warehouse refusals
E6	CORE	Verify warehouse refusals

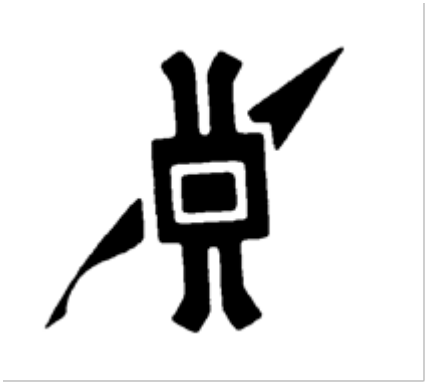
MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Audit Hazardous Materials (HAZMAT) programs
E5	CORE	Conduct material stowage inspections (e.g., Hazardous Materials (HAZMAT), Depot Level Repairable (DLR) lockers, etc.)
E7	CORE	Coordinate Hazardous Materials (HAZMAT) programs
E5	CORE	Maintain Depot Level Repairable (DLR) programs (e.g., inventory, issue, receive, etc.)
E7	CORE	Validate completed material receipts
E7	CORE	Validate incoming requisition status reports

MANAGEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Validate stock materials for offload (e.g., Defense Logistics Agency (DLA) Disposition Services, Material Turned Into Store (MTIS), Other Supply Officer (OSO), etc.)
E6	CORE	Validate stowage locations Logistics Marking and Reading (LOGMAR) symbols (e.g., Hazardous Materials (HAZMAT), Depot Level Repairable (DLR), etc.)
E7	CORE	Verify completed material receipts
E7	CORE	Verify incoming requisition status reports
E6	CORE	Verify stock materials for offload (e.g., Defense Logistics Agency (DLA) Disposition Services, Material Turned Into Store (MTIS), Other Supply Officer (OSO), etc.)

CHAPTER 48



LEGALMAN
(LN)

NAVPERS 18068F-48E
Change 81

Updated: January 2020

LEGALMAN (LN)
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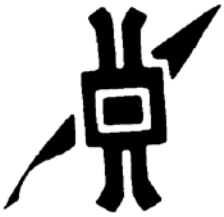
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

LEGALMAN (LN)



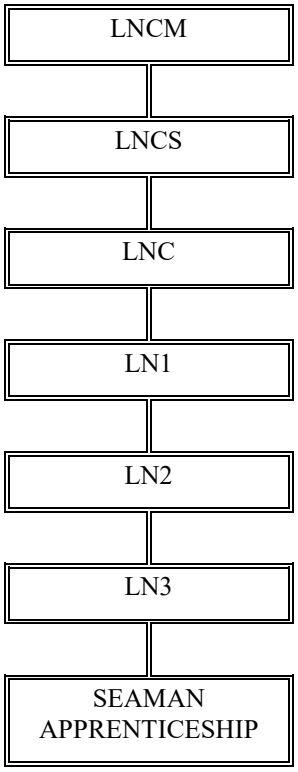
SCOPE OF RATING

Legalmen (LN) perform paralegal duties under the direction and supervision of Judge Advocates to provide and administer legal services in support of military justice matters, administrative discharges, claims, admiralty law, and legal assistance; record and transcribe proceedings of Courts-Martial (CMs), Courts of Inquiry (COIs), investigations, and military commissions, and prepare and submit necessary records and reports; prepare legal correspondence; draft charges and associated documents required for Non-Judicial Punishment (NJP) and Courts-Martial (CMs); conduct interviews; perform legal research; provide trial and defense paralegal support; and provide advice and assistance to personnel and commands on matters of legal administration.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 48.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title
Senior Paralegal

Job Code
001469

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Legal	TBD	SENIOR PARALEGAL	SEN PARALEGAL

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	LN	NEC AXXX series or other NECs as assigned.

Job Description
Senior Paralegals work under the direct supervision of an attorney, or independently, to investigate the facts of cases and ensure that all relevant information is considered; identify appropriate laws, judicial decisions, legal articles, and other materials that are relevant to assigned cases; analyze and organize the information and prepare written reports that attorneys use in determining how cases should be handled; help prepare legal arguments, draft pleadings and motions to be filed with the court, obtain affidavits, and assist attorneys during trials; organize and track files of all important case documents and make them available and easily accessible to attorneys; draft trust instruments, wills, and estate planning documents; provide timely and accurate advice to commanders in an international environment and support operational law activities; and serve as managers, providing training and supervision to junior personnel and maintaining office budgets.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Legal	151200	Paralegals and Legal Assistants	23-2011.00	Legal

Skills	Abilities
Critical Thinking	*Written Expression*
Writing	*Inductive Reasoning*
Reading Comprehension	*Problem Sensitivity*
Speaking	*Deductive Reasoning*
Complex Problem Solving	*Written Comprehension*
Time Management	*Oral Expression*
Monitoring	*Oral Comprehension*
Active Listening	*Information Ordering*
Coordination	*Category Flexibility*
Management of Material Resources	*Speed of Closure*

ADMINISTRATIVE AND CIVIL LAW

Paygrade	Task Type	Task Statements
E5	CORE	Advocate for command interests at Administrative Separation (ADSEP) boards
E4	CORE	Conduct administrative research
E4	CORE	Conduct Administrative Separation (ADSEP) processing and counseling
E5	CORE	Conduct ethics research (e.g., standards of conduct, fundraising, post-government employment, etc.)
E6	CORE	Conduct Freedom of Information Act (FOIA) research (e.g., legal, procedural, historical, etc.)
E6	CORE	Conduct legal professional development training (e.g., mock boards, mock trials, computer-based, etc.)
E6	CORE	Conduct Line of Duty Investigations (LODIs)
E7	NON-CORE	Conduct Manual of the Judge Advocate General (JAGMAN) investigations (e.g., dual-purpose investigations, command investigations, preliminary investigations, etc.)
E6	NON-CORE	Conduct Operational Law (OPLAW) research
E6	CORE	Coordinate Complaints of Wrongs adjudications and responses
E7	CORE	Coordinate delivery of personnel to foreign authorities
E7	CORE	Coordinate sexual assault accountability and response (e.g., Situational Reports (SITREPs), required reports, etc.)
E6	CORE	Coordinate ships' return to home port customs clearance

ADMINISTRATIVE AND CIVIL LAW (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Develop Operational Law (OPLAW) briefings
E5	CORE	Draft Administrative Separation (ADSEP) board opening statements and closing arguments
E6	CORE	Draft ethics documents and correspondences (e.g., gift acceptance letters, Official Representation Funds (ORF), Widely Attended Gatherings (WAGs), cautionary letters, etc.)
E6	CORE	Draft Freedom of Information Act (FOIA) responses
E4	CORE	Draft legal memoranda (e.g., legal memoranda for the records, Letters of Instruction (LOIs), etc.)
E4	CORE	Draft letters of indebtedness
E6	CORE	Ensure procedural compliance and legal sufficiency of administrative investigation reports
E4	CORE	Mail serialized correspondence
E4	CORE	Maintain inventories of legal directives and publications
E4	CORE	Maintain legal databases
E4	CORE	Maintain legal files
E7	CORE	Maintain senior leadership weekly reports (e.g., high-visibility, Moreno, speedy trial reports, etc.)
E7	CORE	Manage administrative and civil law programs, products, and personnel
E7	CORE	Manage command Freedom of Information Act (FOIA) programs
E7	CORE	Manage command Privacy Act programs
E7	CORE	Manage law office administration
E7	CORE	Manage Legalman (LN) rating conversion processes
E7	CORE	Manage Legalman Paralegal Education Program (LPEP)
E7	CORE	Manage liberty risk program
E4	CORE	Organize evidentiary support for Administrative Separation (ADSEP) boards
E5	CORE	Prepare administrative investigation endorsements
E5	CORE	Prepare administrative investigation letters of report
E4	CORE	Prepare Administrative Separation (ADSEP) documents (e.g., Letter of Notification (LON), Letter of Transmittal (LOT), etc.)
E6	CORE	Prepare Board of Inquiry (BOI) and Court of Inquiry (COI) documents
E6	CORE	Prepare delivery of personnel agreements
E6	CORE	Prepare Detachment for Cause (DFC) requests
E4	CORE	Prepare legal statistical/data reports (e.g., Quarterly Criminal Activity, Disciplinary Infractions, and Courts-Martial Reports (QCARs), Victim and Witness Assistance Program (VWAP), etc.)
E4	CORE	Prepare liberty risk program documents
E5	CORE	Prepare Separation in Lieu of Trial (SILT) by Court-Martial (CM) endorsements and approvals
E5	CORE	Prepare voir dire questions for Administrative Separation (ADSEP) board members
E5	CORE	Process Complaints of Wrongs
E5	CORE	Process Congressional Inquiries

ADMINISTRATIVE AND CIVIL LAW (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Process Freedom of Information Act (FOIA) requests and responses
E5	CORE	Process Line of Duty Investigation (LODI) reports
E5	CORE	Process Privacy Act requests
E4	CORE	Provide Board for Correction of Naval Records (BCNR) and Naval Discharge Review Board (NDRB) guidance
E6	CORE	Provide guidance to Convening Authority (CA) regarding Administrative Separation (ADSEP) board member selection
E6	CORE	Provide procedural and regulatory guidance to command leadership
E6	CORE	Recommend actions and responses to formal grievances (e.g., sexual harassment, Command Managed Equal Opportunity (CMEO), Inspector General (IG), etc.)
E6	CORE	Recommend actions and responses to Privacy Act requests
E5	CORE	Support claims investigations (e.g., admiralty, litigation reports, Foreign Claims Act, etc.)
E5	CORE	Support Manual of the Judge Advocate General (JAGMAN) investigations (e.g., legal memoranda, guidance, templates, etc.)
E5	CORE	Support State Department operations and programs (e.g., passports, embassy coordination, visits, etc.)
E4	CORE	Transcribe Records of Proceedings (ROPs) for Administrative Separation (ADSEP) boards

LEGAL ASSISTANCE

Paygrade	Task Type	Task Statements
E4	CORE	Assemble estate planning documents (e.g., wills, trusts, etc.)
E4	CORE	Conduct legal assistance conflict checks
E4	CORE	Conduct legal assistance research (e.g., family law, divorce, adoption, landlord/tenant, contract, etc.)
E4	CORE	Conduct legal assistance screening interviews
E6	CORE	Conduct legal outreach services (e.g., waterfront briefs, pre-deployment briefs, indoctrinations, etc.)
E6	CORE	Coordinate legal outreach services (e.g., waterfront briefs, pre-deployment briefs, indoctrinations, preventive law, etc.)
E6	CORE	Coordinate remote legal assistance services
E7	CORE	Determine legal readiness requirements
E5	CORE	Develop materials to promote legal readiness
E5	CORE	Develop preventive law program materials
E4	CORE	Draft estate planning documents (e.g., wills, trusts, etc.)
E4	CORE	Draft Powers of Attorney (POAs)
E7	CORE	Manage legal assistance programs, products, and personnel
E4	CORE	Perform federal notary duties
E4	CORE	Prepare legal assistance affidavits
E5	CORE	Provide guidance on family support obligations
E6	NON-CORE	Provide immigration and naturalization process guidance

MILITARY JUSTICE

Paygrade	Task Type	Task Statements
E4	CORE	Triage emergency legal services (e.g., major disaster claims operations, complex legal assistance issues, etc.)
E5	CORE	Validate dependent complaints of non-support
E6	CORE	Administer legal services to confined personnel (e.g., brig visits, civilian confinements, foreign detentions, etc.)
E4	CORE	Advise suspects of Uniform Code of Military Justice (UCMJ) Article 31 (Compulsory Self-Incrimination Prohibited) rights
E5	CORE	Analyze discovery requests
E5	CORE	Assemble Special Courts-Martial (SPCMs) and General Courts-Martial (GCMs) Records of Trial (ROTs)
E5	CORE	Assemble Summary Courts-Martial (SCMs) Records of Trial (ROTs)
E4	CORE	Calculate maximum sentences for charged offenses
E5	CORE	Collect documentary or electronic evidence
E4	CORE	Communicate Defense Counsel (DC) assignments
E4	CORE	Conduct case law research
E4	CORE	Conduct discovery research
E7	CORE	Conduct inquiries into reports of offenses
E4	CORE	Conduct litigation research
E4	CORE	Conduct military justice conflict checks
E4	CORE	Conduct military justice research
E4	CORE	Conduct Personal Representation (PERSREP) screening interviews
E5	CORE	Conduct proof matrix research
E4	CORE	Conduct victim and witness interviews
E5	CORE	Coordinate courtroom security
E4	CORE	Coordinate logistical support for Non-Judicial Punishments (NJPs)
E6	CORE	Coordinate remote defense legal services
E5	CORE	Coordinate transcriptions of witness testimony
E5	CORE	Coordinate travel of witnesses, accused, and counsel for formal hearings
E6	CORE	Coordinate Victim and Witness Assistance Program (VWAP)
E5	CORE	Dispose of evidence after Courts-Martial (CMs)
E4	CORE	Distribute Records of Trial (ROTs)
E4	CORE	Draft charge sheets
E5	CORE	Draft Military Protective Orders (MPOs)
E6	CORE	Draft orders to testify and grants of immunity
E5	CORE	Draft proof matrices
E5	CORE	Draft Prosecutorial Merit Reviews (PMRs)
E4	CORE	Draft subpoenas and warrants
E4	CORE	Draft trial scripts
E5	CORE	Draft warrants of attachment
E6	CORE	Evaluate evidentiary support and strategies for Administrative Separation (ADSEP) boards

MILITARY JUSTICE (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	File court documents
E4	CORE	Identify missing evidence
E4	CORE	Inform victims and witnesses regarding legal rights and resources available
E4	CORE	Inspect digital evidence for malicious software
E5	CORE	Interview suspects
E4	CORE	Locate civilian and military witnesses
E7	CORE	Maintain chain of custody of physical evidence
E4	CORE	Maintain counsel appointment schedules
E4	CORE	Maintain discovery logs
E6	NON-CORE	Maintain security permissions on digital files and systems
E4	CORE	Maintain Unit Punishment Books (UPBs)
E6	CORE	Manage courtroom schedules
E7	CORE	Manage military justice programs, products, and personnel
E7	CORE	Manage Military Protective Order (MPO) processes
E4	CORE	Manage smart court room technology and equipment
E4	CORE	Mark exhibits
E5	CORE	Monitor voice recording equipment that produce official recordings of formal proceedings
E4	CORE	Notify personnel of trial information
E7	CORE	Notify senior enlisted and officer personnel of adverse paperwork (e.g., Letters of Instruction (LOIs), Punitive Letters of Reprimand (PLORs), etc.)
E4	CORE	Notify service members of Court-Martial (CM) charges
E4	CORE	Prepare appointing and convening orders
E4	CORE	Prepare confinement orders
E5	CORE	Prepare Convening Authority (CA) actions
E4	CORE	Prepare courtrooms for trials and hearings
E4	CORE	Prepare desertion documents
E5	CORE	Prepare docket requests
E4	CORE	Prepare drug laboratory report requests
E6	NON-CORE	Prepare entry of judgement
E4	CORE	Prepare findings and sentencing worksheets
E5	CORE	Prepare legal briefs
E4	CORE	Prepare military justice affidavits
E4	CORE	Prepare motions and pleadings
E5	CORE	Prepare Non-Judicial Punishment (NJP) appeal endorsements
E4	CORE	Prepare Non-Judicial Punishment (NJP) packages
E5	CORE	Prepare plea agreements
E4	CORE	Prepare post Non-Judicial Punishment (NJP) documents (e.g., appeal rights, restrictions and extra duty orders, etc.)
E4	CORE	Prepare Report and Disposition of Offense(s) (NAVPERS 1626/7) forms

MILITARY JUSTICE (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Prepare reports of misconduct (e.g., Non-Judicial Punishment (NJP), Final Civil Action Report (FCAR), Courts-Martial (CMs), etc.)
E6	CORE	Prepare search and seizure documents
E5	CORE	Prepare sentencing materials
E5	CORE	Prepare statement of trial results
E5	CORE	Prepare Summary Courts-Martial (SCMs) documents
E4	CORE	Prepare Uniform Code of Military Justice (UCMJ) Article 31 (Compulsory Self-Incrimination Prohibited) warnings
E5	CORE	Prepare Uniform Code of Military Justice (UCMJ) Article 64 (Review by a Judge Advocate) letters
E5	CORE	Prepare voir dire questions for Court-Martial (CM) members
E4	CORE	Process counsel requests
E6	CORE	Process legal holds
E4	CORE	Process Unauthorized Absentee (UA) documents
E4	CORE	Produce official recordings of Courts-Martial (CMs)
E4	CORE	Provide discovery to victims and defense
E6	CORE	Provide guidance to Convening Authority (CA) regarding Court-Martial (CM) member selection
E5	CORE	Provide input and feedback on Court-Martial (CM) opening statements and closing arguments
E4	CORE	Provide post-trial confinement support (e.g., Victim and Witness Assistance Program (VWAP), legal assistance, appellate rights, etc.)
E5	CORE	Provide pre-trial confinement support (e.g., 48-Hour Letter, 72-Hour Letter, Initial Review Officer (IRO) hearing, etc.)
E5	CORE	Provide support for remote testimonies (e.g., video, web-based, etc.)
E4	CORE	Recommend criminal investigation dispositions
E4	CORE	Redact audio and video evidence for use in formal hearings
E4	CORE	Redact electronic documentary evidence
E4	CORE	Report Sailors' disciplinary findings for service record entries (e.g., Administrative Remarks form (NAVPERS 1070/613))
E6	CORE	Represent command at pre-trial confinement hearings
E4	CORE	Respond to motions and pleadings
E4	CORE	Retrieve pay and personnel information for use in legal proceedings
E5	CORE	Review charge sheets for procedural compliance and legal sufficiency
E5	CORE	Review evidence to determine relevancy and authenticity
E6	CORE	Review preliminary hearing reports for procedural compliance and legal sufficiency
E6	CORE	Review Records of Trial (ROTs) for procedural compliance and legal sufficiency
E4	CORE	Serve Court-Martial (CM) charges
E5	CORE	Serve subpoenas and warrants
E4	CORE	Summarize witness interview notes
E7	CORE	Supervise paralegal teams assisting attorneys with trial preparations
E7	CORE	Support Admiral's Masts

MILITARY JUSTICE (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Support Court-Martial (CM) remandings and rehearings
E7	CORE	Support Disciplinary Review Boards (DRBs)
E5	NON-CORE	Support vacation hearings (e.g., Courts-Martial (CMs))
E6	CORE	Transmit Gun Control Act information to Naval Criminal Investigative Service (NCIS)
E6	CORE	Verify Unit Punishment Books (UPBs)

Job Title
Paralegal

Job Code
001477

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Legal	TBD	PARALEGAL	PARALEGAL

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	LN	NEC AXXX series or other NECs as assigned.

Job Description
Paralegals work under the supervision of attorneys and Senior Paralegals to draft legal documents and papers, such as appeals, motions, pleadings, pretrial agreements, legal briefs, routine legal assistance documents, and legal correspondence; provide routine assistance to Legal Assistance, Personal Representation, and Defense clients; prepare vouchers for witness fees; conduct advanced legal research and compile statistics for submission of required reports; provide routine advice to commanders on military justice and administrative measures; respond to complaints and conduct client and witness interviews; perform notarial acts; draft Powers of Attorney (POAs), trust instruments, wills, and estate planning documents; and serve as supervisors, providing training and supervision to junior personnel.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Legal	151200	Paralegals and Legal Assistants	23-2011.00	Legal

Skills	Abilities
Critical Thinking	*Written Expression*
Writing	*Inductive Reasoning*
Reading Comprehension	*Deductive Reasoning*
Speaking	*Problem Sensitivity*
Complex Problem Solving	*Written Comprehension*
Time Management	*Oral Expression*
Active Listening	*Category Flexibility*
Coordination	*Information Ordering*
Judgment and Decision Making	*Speed of Closure*
Management of Material Resources	*Oral Comprehension*

ADMINISTRATIVE AND CIVIL LAW

Paygrade	Task Type	Task Statements
E5	CORE	Advocate for command interests at Administrative Separation (ADSEP) boards
E4	CORE	Conduct administrative research
E4	CORE	Conduct Administrative Separation (ADSEP) processing and counseling
E5	CORE	Conduct ethics research (e.g., standards of conduct, fundraising, post-government employment, etc.)
E6	CORE	Conduct Freedom of Information Act (FOIA) research (e.g., legal, procedural, historical, etc.)
E6	CORE	Conduct legal professional development training (e.g., mock boards, mock trials, computer-based, etc.)
E6	CORE	Conduct Line of Duty Investigations (LODIs)
E6	NON-CORE	Conduct Operational Law (OPLAW) research
E6	CORE	Coordinate Complaints of Wrongs adjudications and responses
E7	CORE	Coordinate sexual assault accountability and response (e.g., Situational Reports (SITREPs), required reports, etc.)
E6	CORE	Coordinate ships' return to home port customs clearance
E6	NON-CORE	Develop Operational Law (OPLAW) briefings
E5	CORE	Draft Administrative Separation (ADSEP) board opening statements and closing arguments

ADMINISTRATIVE AND CIVIL LAW (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Draft ethics documents and correspondences (e.g., gift acceptance letters, Official Representation Funds (ORF), Widely Attended Gatherings (WAGs), cautionary letters, etc.)
E6	CORE	Draft Freedom of Information Act (FOIA) responses
E4	CORE	Draft legal memoranda (e.g., legal memoranda for the records, Letters of Instruction (LOIs), etc.)
E4	CORE	Draft letters of indebtedness
E6	CORE	Ensure procedural compliance and legal sufficiency of administrative investigation reports
E4	CORE	Mail serialized correspondence
E4	CORE	Maintain inventories of legal directives and publications
E4	CORE	Maintain legal databases
E4	CORE	Maintain legal files
E7	CORE	Maintain senior leadership weekly reports (e.g., high-visibility, Moreno, speedy trial reports, etc.)
E7	CORE	Manage law office administration
E4	CORE	Organize evidentiary support for Administrative Separation (ADSEP) boards
E5	CORE	Prepare administrative investigation endorsements
E5	CORE	Prepare administrative investigation letters of report
E4	CORE	Prepare Administrative Separation (ADSEP) documents (e.g., Letter of Notification (LON), Letter of Transmittal (LOT), etc.)
E6	CORE	Prepare Board of Inquiry (BOI) and Court of Inquiry (COI) documents
E6	CORE	Prepare delivery of personnel agreements
E6	CORE	Prepare Detachment for Cause (DFC) requests
E4	CORE	Prepare legal statistical/data reports (e.g., Quarterly Criminal Activity, Disciplinary Infractions, and Courts-Martial Reports (QCARs), Victim and Witness Assistance Program (VWAP), etc.)
E4	CORE	Prepare liberty risk program documents
E5	CORE	Prepare Separation in Lieu of Trial (SILT) by Court-Martial (CM) endorsements and approvals
E5	CORE	Prepare voir dire questions for Administrative Separation (ADSEP) board members
E5	CORE	Process Complaints of Wrongs
E5	CORE	Process Congressional Inquiries
E6	CORE	Process Freedom of Information Act (FOIA) requests and responses
E5	CORE	Process Line of Duty Investigation (LODI) reports
E5	CORE	Process Privacy Act requests
E4	CORE	Provide Board for Correction of Naval Records (BCNR) and Naval Discharge Review Board (NDRB) guidance
E6	CORE	Provide guidance to Convening Authority (CA) regarding Administrative Separation (ADSEP) board member selection
E6	CORE	Provide procedural and regulatory guidance to command leadership
E6	CORE	Recommend actions and responses to formal grievances (e.g., sexual harassment, Command Managed Equal Opportunity (CMEO), Inspector General (IG), etc.)

ADMINISTRATIVE AND CIVIL LAW (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Recommend actions and responses to Privacy Act requests
E5	CORE	Support claims investigations (e.g., admiralty, litigation reports, Foreign Claims Act, etc.)
E5	CORE	Support Manual of the Judge Advocate General (JAGMAN) investigations (e.g., legal memoranda, guidance, templates, etc.)
E5	CORE	Support State Department operations and programs (e.g., passports, embassy coordination, visits, etc.)
E4	CORE	Transcribe Records of Proceedings (ROPs) for Administrative Separation (ADSEP) boards

LEGAL ASSISTANCE

Paygrade	Task Type	Task Statements
E4	CORE	Assemble estate planning documents (e.g., wills, trusts, etc.)
E4	CORE	Conduct legal assistance conflict checks
E4	CORE	Conduct legal assistance research (e.g., family law, divorce, adoption, landlord/tenant, contract, etc.)
E4	CORE	Conduct legal assistance screening interviews
E6	CORE	Conduct legal outreach services (e.g., waterfront briefs, pre-deployment briefs, indoctrinations, etc.)
E6	CORE	Coordinate legal outreach services (e.g., waterfront briefs, pre-deployment briefs, indoctrinations, preventive law, etc.)
E6	CORE	Coordinate remote legal assistance services
E7	CORE	Determine legal readiness requirements
E5	CORE	Develop materials to promote legal readiness
E5	CORE	Develop preventive law program materials
E4	CORE	Draft estate planning documents (e.g., wills, trusts, etc.)
E4	CORE	Draft Powers of Attorney (POAs)
E4	CORE	Perform federal notary duties
E4	CORE	Prepare legal assistance affidavits
E5	CORE	Provide guidance on family support obligations
E6	NON-CORE	Provide immigration and naturalization process guidance
E4	CORE	Triage emergency legal services (e.g., major disaster claims operations, complex legal assistance issues, etc.)
E5	CORE	Validate dependent complaints of non-support

MILITARY JUSTICE

Paygrade	Task Type	Task Statements
E6	CORE	Administer legal services to confined personnel (e.g., brig visits, civilian confinements, foreign detentions, etc.)
E4	CORE	Advise suspects of Uniform Code of Military Justice (UCMJ) Article 31 (Compulsory Self-Incrimination Prohibited) rights
E5	CORE	Analyze discovery requests
E5	CORE	Assemble Special Courts-Martial (SPCMs) and General Courts-Martial (GCMs) Records of Trial (ROTs)

MILITARY JUSTICE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Assemble Summary Courts-Martial (SCMs) Records of Trial (ROTs)
E4	CORE	Calculate maximum sentences for charged offenses
E5	CORE	Collect documentary or electronic evidence
E4	CORE	Communicate Defense Counsel (DC) assignments
E4	CORE	Conduct case law research
E4	CORE	Conduct discovery research
E7	CORE	Conduct inquiries into reports of offenses
E4	CORE	Conduct litigation research
E4	CORE	Conduct military justice conflict checks
E4	CORE	Conduct military justice research
E4	CORE	Conduct Personal Representation (PERSREP) screening interviews
E5	CORE	Conduct proof matrix research
E4	CORE	Conduct victim and witness interviews
E5	CORE	Coordinate courtroom security
E4	CORE	Coordinate logistical support for Non-Judicial Punishments (NJPs)
E6	CORE	Coordinate remote defense legal services
E5	CORE	Coordinate transcriptions of witness testimony
E5	CORE	Coordinate travel of witnesses, accused, and counsel for formal hearings
E6	CORE	Coordinate Victim and Witness Assistance Program (VWAP)
E5	CORE	Dispose of evidence after Courts-Martial (CMs)
E4	CORE	Distribute Records of Trial (ROTs)
E4	CORE	Draft charge sheets
E5	CORE	Draft Military Protective Orders (MPOs)
E6	CORE	Draft orders to testify and grants of immunity
E5	CORE	Draft proof matrices
E5	CORE	Draft Prosecutorial Merit Reviews (PMRs)
E4	CORE	Draft subpoenas and warrants
E4	CORE	Draft trial scripts
E5	CORE	Draft warrants of attachment
E6	CORE	Evaluate evidentiary support and strategies for Administrative Separation (ADSEP) boards
E6	CORE	File court documents
E4	CORE	Identify missing evidence
E4	CORE	Inform victims and witnesses regarding legal rights and resources available
E4	CORE	Inspect digital evidence for malicious software
E5	CORE	Interview suspects
E4	CORE	Locate civilian and military witnesses
E4	CORE	Maintain counsel appointment schedules
E4	CORE	Maintain discovery logs
E6	NON-CORE	Maintain security permissions on digital files and systems

MILITARY JUSTICE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain Unit Punishment Books (UPBs)
E6	CORE	Manage courtroom schedules
E4	CORE	Manage smart court room technology and equipment
E4	CORE	Mark exhibits
E5	CORE	Monitor voice recording equipment that produce official recordings of formal proceedings
E4	CORE	Notify personnel of trial information
E7	CORE	Notify senior enlisted and officer personnel of adverse paperwork (e.g., Letters of Instruction (LOIs), Punitive Letters of Reprimand (PLORs), etc.)
E4	CORE	Notify service members of Court-Martial (CM) charges
E4	CORE	Prepare appointing and convening orders
E4	CORE	Prepare confinement orders
E5	CORE	Prepare Convening Authority (CA) actions
E4	CORE	Prepare courtrooms for trials and hearings
E4	CORE	Prepare desertion documents
E5	CORE	Prepare docket requests
E4	CORE	Prepare drug laboratory report requests
E6	NON-CORE	Prepare entry of judgement
E4	CORE	Prepare findings and sentencing worksheets
E5	CORE	Prepare legal briefs
E4	CORE	Prepare military justice affidavits
E4	CORE	Prepare motions and pleadings
E5	CORE	Prepare Non-Judicial Punishment (NJP) appeal endorsements
E4	CORE	Prepare Non-Judicial Punishment (NJP) packages
E5	CORE	Prepare plea agreements
E4	CORE	Prepare post Non-Judicial Punishment (NJP) documents (e.g., appeal rights, restrictions and extra duty orders, etc.)
E4	CORE	Prepare Report and Disposition of Offense(s) (NAVPERS 1626/7) forms
E6	CORE	Prepare reports of misconduct (e.g., Non-Judicial Punishment (NJP), Final Civil Action Report (FCAR), Courts-Martial (CMs), etc.)
E6	CORE	Prepare search and seizure documents
E5	CORE	Prepare sentencing materials
E5	CORE	Prepare statement of trial results
E5	CORE	Prepare Summary Courts-Martial (SCMs) documents
E4	CORE	Prepare Uniform Code of Military Justice (UCMJ) Article 31 (Compulsory Self-Incrimination Prohibited) warnings
E5	CORE	Prepare Uniform Code of Military Justice (UCMJ) Article 64 (Review by a Judge Advocate) letters
E5	CORE	Prepare voir dire questions for Court-Martial (CM) members
E4	CORE	Process counsel requests
E6	CORE	Process legal holds

MILITARY JUSTICE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Process Unauthorized Absentee (UA) documents
E4	CORE	Produce official recordings of Courts-Martial (CMs)
E4	CORE	Provide discovery to victims and defense
E6	CORE	Provide guidance to Convening Authority (CA) regarding Court-Martial (CM) member selection
E5	CORE	Provide input and feedback on Court-Martial (CM) opening statements and closing arguments
E4	CORE	Provide post-trial confinement support (e.g., Victim and Witness Assistance Program (VWAP), legal assistance, appellate rights, etc.)
E5	CORE	Provide pre-trial confinement support (e.g., 48-Hour Letter, 72-Hour Letter, Initial Review Officer (IRO) hearing, etc.)
E5	CORE	Provide support for remote testimonies (e.g., video, web-based, etc.)
E4	CORE	Recommend criminal investigation dispositions
E4	CORE	Redact audio and video evidence for use in formal hearings
E4	CORE	Redact electronic documentary evidence
E4	CORE	Report Sailors' disciplinary findings for service record entries (e.g., Administrative Remarks form (NAVPERS 1070/613))
E6	CORE	Represent command at pre-trial confinement hearings
E4	CORE	Respond to motions and pleadings
E4	CORE	Retrieve pay and personnel information for use in legal proceedings
E5	CORE	Review charge sheets for procedural compliance and legal sufficiency
E5	CORE	Review evidence to determine relevancy and authenticity
E6	CORE	Review preliminary hearing reports for procedural compliance and legal sufficiency
E6	CORE	Review Records of Trial (ROTs) for procedural compliance and legal sufficiency
E4	CORE	Serve Court-Martial (CM) charges
E5	CORE	Serve subpoenas and warrants
E4	CORE	Summarize witness interview notes
E7	CORE	Support Admiral's Masts
E5	NON-CORE	Support Court-Martial (CM) remandings and rehearings
E5	NON-CORE	Support vacation hearings (e.g., Courts-Martial (CMs))
E6	CORE	Transmit Gun Control Act information to Naval Criminal Investigative Service (NCIS)
E6	CORE	Verify Unit Punishment Books (UPBs)

Job Title

Journeyman Paralegal

Job Code

001482

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Office and Administrative Support	TBD	JOURNEYMAN PARALEGAL	JOUR PARALEGAL

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	LN	NEC AXXX series or other NECs as assigned.

Job Description

Journeyman Paralegals work under the supervision of attorneys and paralegals to prepare and process legal documents and papers, such as legal assistance documents, summonses, subpoenas, complaints, appeals, motions, pleadings, and pretrial agreements; serve as court reporters and provide clerical support for the conduct of administrative investigations; mail, electronically transmit, or arrange for delivery of legal correspondence to clients, witnesses, and court officials; receive and place telephone calls, schedule and make appointments, and make copies of correspondence, documents, and other printed matter; organize and maintain law libraries, correspondence, and case files; assist attorneys in collecting information such as employment, medical, and other records; attend legal meetings, such as client interviews, hearings, or depositions and take notes; draft and type office memos; review legal publications; perform notarial acts; draft Powers of Attorney (POAs), trust instruments, wills, and estate planning documents; and perform database searches to identify laws and court decisions relevant to pending cases

DoD Relationship

Group Title	*DoD Code*
Administration	151000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Legal Secretaries	43-6012.00	Office and Administrative Support

Skills	Abilities
Critical Thinking	*Written Expression*
Writing	*Deductive Reasoning*
Speaking	*Inductive Reasoning*
Reading Comprehension	*Problem Sensitivity*
Active Listening	*Written Comprehension*
Time Management	*Oral Expression*
Complex Problem Solving	*Information Ordering*
Coordination	*Category Flexibility*
Management of Material Resources	*Oral Comprehension*
Judgment and Decision Making	*Speed of Closure*

ADMINISTRATIVE AND CIVIL LAW

Paygrade	Task Type	Task Statements
E5	CORE	Advocate for command interests at Administrative Separation (ADSEP) boards
E4	CORE	Conduct administrative research
E4	CORE	Conduct Administrative Separation (ADSEP) processing and counseling
E6	CORE	Draft Freedom of Information Act (FOIA) responses
E4	CORE	Draft legal memoranda (e.g., legal memoranda for the records, Letters of Instruction (LOIs), etc.)
E4	CORE	Draft letters of indebtedness
E4	CORE	Mail serialized correspondence
E4	CORE	Maintain inventories of legal directives and publications
E4	CORE	Maintain legal databases
E4	CORE	Maintain legal files
E4	CORE	Organize evidentiary support for Administrative Separation (ADSEP) boards
E4	CORE	Prepare Administrative Separation (ADSEP) documents (e.g., Letter of Notification (LON), Letter of Transmittal (LOT), etc.)
E4	CORE	Prepare legal statistical/data reports (e.g., Quarterly Criminal Activity, Disciplinary Infractions, and Courts-Martial Reports (QCARs), Victim and Witness Assistance Program (VWAP), etc.)

ADMINISTRATIVE AND CIVIL LAW (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Prepare liberty risk program documents
E5	CORE	Process Privacy Act requests
E4	CORE	Provide Board for Correction of Naval Records (BCNR) and Naval Discharge Review Board (NDRB) guidance
E4	CORE	Transcribe Records of Proceedings (ROPs) for Administrative Separation (ADSEP) boards

LEGAL ASSISTANCE

Paygrade	Task Type	Task Statements
E4	CORE	Assemble estate planning documents (e.g., wills, trusts, etc.)
E4	CORE	Conduct legal assistance conflict checks
E4	CORE	Conduct legal assistance research (e.g., family law, divorce, adoption, landlord/tenant, contract, etc.)
E4	CORE	Conduct legal assistance screening interviews
E6	CORE	Coordinate legal outreach services (e.g., waterfront briefs, pre-deployment briefs, indoctrinations, preventive law, etc.)
E4	CORE	Draft estate planning documents (e.g., wills, trusts, etc.)
E4	CORE	Draft Powers of Attorney (POAs)
E4	CORE	Perform federal notary duties
E4	CORE	Prepare legal assistance affidavits
E5	CORE	Provide guidance on family support obligations
E6	NON-CORE	Provide immigration and naturalization process guidance
E4	CORE	Triage emergency legal services (e.g., major disaster claims operations, complex legal assistance issues, etc.)

MILITARY JUSTICE

Paygrade	Task Type	Task Statements
E4	CORE	Advise suspects of Uniform Code of Military Justice (UCMJ) Article 31 (Compulsory Self-Incrimination Prohibited) rights
E5	CORE	Assemble Special Courts-Martial (SPCMs) and General Courts-Martial (GCMs) Records of Trial (ROTs)
E5	CORE	Assemble Summary Courts-Martial (SCMs) Records of Trial (ROTs)
E4	CORE	Calculate maximum sentences for charged offenses
E4	CORE	Communicate Defense Counsel (DC) assignments
E4	CORE	Conduct case law research
E4	CORE	Conduct discovery research
E4	CORE	Conduct litigation research
E4	CORE	Conduct military justice conflict checks
E4	CORE	Conduct military justice research
E4	CORE	Conduct Personal Representation (PERSREP) screening interviews
E4	CORE	Conduct victim and witness interviews
E4	CORE	Coordinate logistical support for Non-Judicial Punishments (NJPs)
E4	CORE	Distribute Records of Trial (ROTs)

MILITARY JUSTICE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Draft charge sheets
E4	CORE	Draft subpoenas and warrants
E4	CORE	Draft trial scripts
E4	CORE	Identify missing evidence
E4	CORE	Inform victims and witnesses regarding legal rights and resources available
E4	CORE	Inspect digital evidence for malicious software
E4	CORE	Locate civilian and military witnesses
E4	CORE	Maintain counsel appointment schedules
E4	CORE	Maintain discovery logs
E4	CORE	Maintain Unit Punishment Books (UPBs)
E4	CORE	Manage smart court room technology and equipment
E4	CORE	Mark exhibits
E4	CORE	Notify personnel of trial information
E4	CORE	Notify service members of Court-Martial (CM) charges
E4	CORE	Prepare appointing and convening orders
E4	CORE	Prepare confinement orders
E5	CORE	Prepare Convening Authority (CA) actions
E4	CORE	Prepare courtrooms for trials and hearings
E4	CORE	Prepare desertion documents
E4	CORE	Prepare drug laboratory report requests
E4	CORE	Prepare findings and sentencing worksheets
E4	CORE	Prepare military justice affidavits
E4	CORE	Prepare motions and pleadings
E5	CORE	Prepare Non-Judicial Punishment (NJP) appeal endorsements
E4	CORE	Prepare Non-Judicial Punishment (NJP) packages
E4	CORE	Prepare post Non-Judicial Punishment (NJP) documents (e.g., appeal rights, restrictions and extra duty orders, etc.)
E4	CORE	Prepare Report and Disposition of Offense(s) (NAVPERS 1626/7) forms
E4	CORE	Prepare Uniform Code of Military Justice (UCMJ) Article 31 (Compulsory Self-Incrimination Prohibited) warnings
E4	CORE	Process counsel requests
E4	CORE	Process Unauthorized Absentee (UA) documents
E4	CORE	Produce official recordings of Courts-Martial (CMs)
E4	CORE	Provide discovery to victims and defense
E4	CORE	Provide post-trial confinement support (e.g., Victim and Witness Assistance Program (VWAP), legal assistance, appellate rights, etc.)
E4	CORE	Recommend criminal investigation dispositions
E4	CORE	Redact audio and video evidence for use in formal hearings
E4	CORE	Redact electronic documentary evidence

MILITARY JUSTICE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Report Sailors' disciplinary findings for service record entries (e.g., Administrative Remarks form (NAVPERS 1070/613))
E4	CORE	Respond to motions and pleadings
E4	CORE	Retrieve pay and personnel information for use in legal proceedings
E4	CORE	Serve Court-Martial (CM) charges
E4	CORE	Summarize witness interview notes
E5	NON-CORE	Support Court-Martial (CM) remandings and rehearings
E5	NON-CORE	Support vacation hearings (e.g., Courts-Martial (CMs))
E6	CORE	Transmit Gun Control Act information to Naval Criminal Investigative Service (NCIS)

CHAPTER 49

MASTER-AT-ARMS
(MA)

NAVPERS 18068F-49G
Change 104

Updated: October 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

MASTER-AT-ARMS (MA)

SCOPE OF RATING

Master-at-Arms (MA) will, individually or as part of a force, conduct Force Protection (FP) - Antiterrorism (AT), Physical Security (PS), and Law Enforcement (LE) - operations in order to defeat threats at-sea, on-shore, and in expeditionary environments: conduct scalable FP and security, providing layered defense for designated assets and critical infrastructure throughout the world; operate in an integrated sea/coastal/landward security environment, providing mobile and fixed defensive operations while organizing and training their personnel in AT, PS, LE, and weapons proficiency in support of Commanders performing base defense, Naval Criminal Investigative Services (NCIS) operations, expeditionary/combat operations, strategic asset security, LE, corrections, and special events and operations with other services to include harbor security and Military Working Dog (MWD) operations, host nation partners, and civil authorities.

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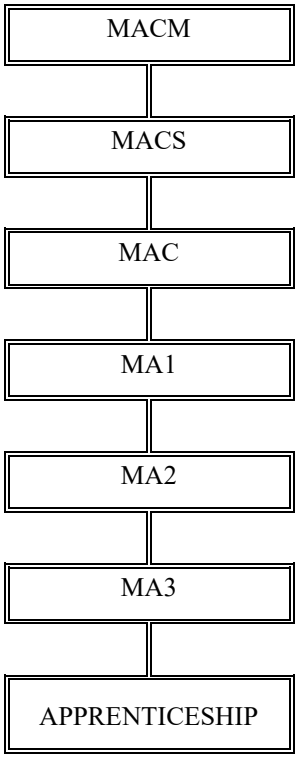
This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 49.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN articles 1306-618 and 1440-010.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Installation Security Specialist 001487

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Protective Service	TBD	INSTALLATION SECURITY SPEC	INST SEC SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MA	NEC PXXX series and other NECs as assigned

Job Description

Installation Security Specialists are specially trained and equipped personnel who maintain readiness to deter, detect, defend, and defeat criminal and/or terrorist activities while supporting good order and discipline in accordance with the Uniform Code of Military Justice (UCMJ), assimilating local laws, and ensuring a safe environment: protect resources, facilities, mission critical assets, critical infrastructure, and personnel including family members and civilians when applicable; and provide access control consistent with directives and current threat, risk, vulnerability, criticality, assigned roles, missions and resources in support of installation and regional Commanders.

DoD Relationship

Group Title	*DoD Code*
Police	270800

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Police and Sheriffs Patrol Officers	33-3051.00	Protective Service

Skills	Abilities
Coordination	*Selective Attention*
Critical Thinking	*Oral Expression*
Monitoring	*Information Ordering*
Management of Material Resources	*Spatial Orientation*
Speaking	*Deductive Reasoning*
Writing	*Written Expression*
Complex Problem Solving	*Reaction Time*
Management of Personnel Resources	*Written Comprehension*
Operation and Control	*Inductive Reasoning*
Systems Evaluation	*Originality*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	NON-CORE	Analyze crime statistics
E7	NON-CORE	Approve Military Working Dog (MWD) reports and forms (e.g., training records, utilization records, certification data, etc.)
E6	CORE	Approve security reports and documents (e.g., incident reports, desk journals, communications log, Law Enforcement (LE) documents, physical security documents, etc.)
E6	NON-CORE	Brief security officer on Military Working Dog (MWD) operations
E4	CORE	Conduct inventories (e.g., Military Working Dog (MWD), Harbor Patrol Unit (HPU), Strategic Weapons Facilities (SWF), Fleet Air Reconnaissance Squadron (VQ), Commander, Navy Installation Command (CNIC), etc.)
E4	CORE	Conduct issuance and receipt of equipment
E4	CORE	Conduct issuance and receipt of weapons
E4	CORE	Conduct kennel checks
E7	NON-CORE	Conduct mission planning
E7	CORE	Conduct post requirements and manning assessments
E4	NON-CORE	Conduct sanitation duties for Military Working Dog (MWD) kennels
E4	NON-CORE	Coordinate Military Working Dog (MWD) required reports and forms (e.g., training records, utilization records, certification data, etc.)
E5	NON-CORE	Coordinate Operational Risk Management (ORM) assessments for Harbor Patrol Unit (HPU) and underway operations
E5	CORE	Develop access lists and rosters

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Develop communications plans
E6	NON-CORE	Develop Navy Security Force (NSF) post orders
E6	CORE	Develop Pre-Planned Responses (PPR)/Standard Operating Procedures (SOP)
E6	NON-CORE	Develop program waivers and exceptions to policies
E6	NON-CORE	Draft Naval messages (e.g., Antiterrorism (AT) operational report)
E4	CORE	Inspect Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Personal Protective Equipment (PPE)
E4	CORE	Maintain weapons and equipment (e.g., small arms, Crew-Served Weapons (CSW), Non-Lethal Weapons (NLW), weapons mounts, etc.)
E6	NON-CORE	Manage accountability of Military Working Dog (MWD) drug training aids
E6	CORE	Manage accountability of Military Working Dog (MWD) explosive training aids
E7	CORE	Manage Antiterrorism Working Groups (ATWG), Threat Working Group (TWG), and Antiterrorism Executive Committee (ATEC)
E6	NON-CORE	Manage Arms, Ammunition, and Explosives (AA&E) program
E6	NON-CORE	Manage evidence custodian programs
E7	CORE	Manage Navy Security Force (NSF) operations (e.g., establishing security policies, conducting risk assessments, implementing security controls, etc.)
E7	CORE	Manage Navy Security Force (NSF) reserve units
E4	CORE	Perform clearing barrel procedures (i.e., uploading/downloading weapons)
E5	CORE	Perform post inspections
E6	CORE	Relieve Navy Security Force (NSF) personnel from duty
E7	CORE	Review Antiterrorism (AT) risk assessments (i.e., criticality, vulnerability, threat)
E7	CORE	Review Force Protection (FP) reports and documents for accuracy
E4	CORE	Supervise clearing barrel procedures (i.e., uploading/downloading weapons)
E4	CORE	Supervise equipment issue and operational checks
E4	NON-CORE	Supervise restricted, extra duty, and Restriction in Lieu of Arrest (RILA) personnel
E4	NON-CORE	Troubleshoot engineering issues in accordance with platform mission sets
E7	CORE	Validate Navy Security Force (NSF) post orders/Pre-Planned Responses (PPR)/Standard Operating Procedures (SOP)

ANTITERRORISM (AT)

Paygrade	Task Type	Task Statements
E6	CORE	Activate command operation centers (e.g., Emergency Operations Centers (EOC), Damage Control Centrals (DCC), Region Operations Centers (ROC), Tactical Operations Centers (TOC), etc.)
E7	CORE	Advise commanders on implementation of the Standing Rules for the Use of Force (SRUF)
E4	CORE	Apply Use-of-Force (UoF) continuum
E4	NON-CORE	Assist in anchoring
E4	NON-CORE	Assist in craft towing
E7	NON-CORE	Brief Commander and Antiterrorism (AT) board on Force Protection Conditions (FPCON) changes
E5	CORE	Brief forces on implementation of the Standing Rules for the Use of Force (SRUF)

ANTITERRORISM (AT) (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Combat small vessel casualties (e.g., fire, flooding, electrical, etc.)
E6	NON-CORE	Conduct Antiterrorism (AT) risk assessments (i.e., criticality, vulnerability, threat)
E4	NON-CORE	Conduct approach and visit boardings on aircraft
E4	NON-CORE	Conduct approach and visit boardings on vessels
E4	CORE	Conduct appropriate incident reporting (e.g., Size, Activity, Location, Unit, Time, Equipment (SALUTE), Size, Position, Observation, Time (SPOT), Location, Conditions, Actions, Needs (LCAN), etc.)
E5	CORE	Conduct guard mounts
E4	NON-CORE	Conduct Seaward Continuum of Force (SCOF)
E4	CORE	Conduct security post rotations and turnovers
E4	CORE	Conduct tactical movements
E7	CORE	Coordinate inter-agency responses
E4	NON-CORE	Coordinate Military Working Dog (MWD) sweeps
E5	NON-CORE	Coordinate with Harbor Patrol Unit (HPU) and underway operations
E4	CORE	Detain personnel
E4	CORE	Detect Improvised Explosive Devices (IED)
E7	CORE	Develop Antiterrorism (AT) plans
E7	CORE	Develop Force Protection Conditions (FPCON) measures action matrices
E6	CORE	Develop mission-specific security plans in accordance with mission sets (e.g., In-Port Security Plan (ISP), Ground Forces Security Plan (GFSP), Air Field Security Plan (AFSP), etc.)
E7	CORE	Direct Force Protection Conditions (FPCON) measures, actions, and changes
E4	CORE	Direct Reactionary Force (RF) members to fields of fire
E4	CORE	Doff Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Personal Protective Equipment (PPE)
E4	CORE	Don Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Personal Protective Equipment (PPE)
E4	CORE	Employ Crew-Served Weapons (CSW)
E4	CORE	Employ night vision optical devices
E4	CORE	Employ security equipment (e.g., Long-Range Acoustic Device (LRADs), flares, laser system, Counter Unmanned Aerial System (UAS), Night Vision Goggles (NVG), etc.)
E4	CORE	Employ small arms
E4	CORE	Employ unambiguous warning devices (e.g., horns, sirens, lights, flares, etc.)
E7	CORE	Establish Access Control Points (ACP)/Entry Control Points (ECP)
E4	CORE	Evacuate personnel casualties during Force Protection (FP) incidents
E7	CORE	Evaluate Navy Security Force (NSF) training program
E7	CORE	Evaluate need for modification to Antiterrorism (AT) posture
E4	CORE	Execute mission specific security plans in accordance with mission sets (e.g., In-Port Security Plan (ISP), Ground Forces Security Plan (GFSP), Air Field Security Plan (AFSP), etc.)
E6	CORE	Implement Force Protection Conditions (FPCON) measures, actions, and changes
E6	NON-CORE	Implement patrol orders

ANTITERRORISM (AT) (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Implement Random Antiterrorism Measures (RAM)
E4	CORE	Lead Reactionary Force (RF) team in tactical movements
E6	CORE	Manage access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))
E7	CORE	Manage Antiterrorism (AT) programs
E6	CORE	Manage Antiterrorism Tactical Watch Officer (ATTWO) programs
E7	CORE	Manage Antiterrorism Training Teams (ATTT)
E7	NON-CORE	Manage communications plans
E7	CORE	Manage security personnel and resources in command operation centers (e.g., Emergency Operations Centers (EOC), Damage Control Centrals (DCC), Region Operations Centers (ROC), Tactical Operations Centers (TOC), etc.)
E4	CORE	Neutralize active threats
E6	NON-CORE	Order the use of destructive fire by watchstanders in defense of Naval assets
E4	CORE	Perform access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))
E4	CORE	Perform Antiterrorism (AT) escorts and transports
E4	CORE	Perform bloodborne pathogens prevention procedures
E5	CORE	Perform Command and Control (C2) functions
E4	CORE	Perform contraband or access inspections (e.g., vehicle, craft, personnel, baggage, etc.)
E4	CORE	Perform Crew-Served Weapons (CSW) turnovers
E4	NON-CORE	Perform destructive fire in defense of Naval asset
E4	CORE	Perform equipment pre-operational/post-operational checks (e.g., vehicle, craft, night vision devices, etc.)
E5	CORE	Perform multiple asset protection missions
E4	CORE	Perform radio communications
E4	CORE	Perform restraint procedures (e.g., administering control holds, restraint devices, and/or takedowns, etc.)
E4	CORE	Perform self and equipment decontamination (e.g., cleaning, disinfection, sterilization, etc.)
E4	CORE	Perform surveillance detections
E4	CORE	Perform surveillance response operations
E4	CORE	Perform tactical entries
E4	CORE	Perform Tactical Evacuations (TACEVAC)
E4	CORE	Perform tactical team operations
E4	CORE	Perform unarmed blocking techniques, striking techniques, and self-defense movements
E4	CORE	Perform verbal de-escalation procedures
E4	CORE	Perform weapons retention
E6	CORE	Plan multiple asset protection missions
E4	CORE	Report Contacts of Interest (COI)
E4	CORE	Respond to external and internal threats in accordance with mission sets (e.g., receive incoming calls for service via radio, log/document/enter service call information/status in communications management system, etc.)

ANTITERRORISM (AT) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Respond to terrorist incidents in accordance with Pre-Planned Responses (PPR)
E5	CORE	Supervise access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))
E6	CORE	Supervise Antiterrorism (AT) programs
E4	CORE	Supervise contraband or access inspections (e.g., vehicle, craft, personnel, baggage, etc.)
E6	CORE	Supervise fixed posts and mobile patrols
E5	CORE	Supervise implementation of Pre-Planned Responses (PPR)
E5	CORE	Supervise security post rotations and turnovers (e.g., Navy Security Force (NSF), Auxiliary Security Force (ASF), In-Port Security Force (ISF), etc.)
E4	CORE	Utilize Non-Lethal Weapons (NLW)
E4	CORE	Verify access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))

LAW ENFORCEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Administer first aid as first responder (e.g., Basic Life Support (BLS), Automated External Defibrillator (AED) procedures, Tactical Combat Casualty Care (TCCC), etc.)
E4	CORE	Administer Preliminary Breath Test (PBT)
E4	CORE	Administer Standardized Field Sobriety Tests (SFST)
E7	CORE	Advise commanders on implementation of Federal Emergency Management Agency (FEMA) Incident Command Systems (ICS) structure
E4	CORE	Advise suspects of their rights during arrest/apprehension
E4	CORE	Apply ethical reasoning to policing
E4	CORE	Apply federal law and constitutional requirements to policing activities
E4	CORE	Apprehend suspects
E4	CORE	Collect evidence and contraband
E5	CORE	Conduct case and file management
E5	CORE	Conduct interrogations
E4	CORE	Conduct interviews
E4	CORE	Conduct patrols (e.g., emergency vehicles, on foot, boat, bicycle, etc.)
E4	CORE	Conduct preliminary law enforcement investigations
E4	CORE	Conduct suspect pursuits (e.g., vehicle, vessel, foot, etc.)
E4	CORE	Conduct traffic accident investigations
E4	CORE	Conduct traffic control operations
E4	CORE	Conduct vehicle stops (i.e., traffic violations)
E4	CORE	Conduct vehicle suspect extractions
E6	CORE	Coordinate reports between Incident Command Post (ICP) and the Command Operations Centers (COC) during emergency incidents or special events
E6	CORE	Direct the staging, deployment, resource need, and operational control of Navy Security Forces (NSF) assigned to incident, unified, or area command missions
E5	NON-CORE	Employ Military Working Dog (MWD) teams during critical incidents
E4	NON-CORE	Enforce warrants

LAW ENFORCEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Establish Incident Command Post (ICP)
E6	CORE	Facilitate interoperability between Navy Security Forces (NSF) and external civilian, federal, and Department of Defense (DoD)
E4	CORE	Identify possible threats/contraband utilizing screening and detection equipment (e.g., X-ray machine, undercarriage camera, etc.)
E4	CORE	Identify possible traffic violations utilizing vehicle speed measuring equipment (i.e., Light Detection and Ranging (LiDAR) and Radio Detection and Ranging (RADAR))
E4	CORE	Implement use of case management system (i.e., Consolidated Law Enforcement Operation Center (CLEOC))
E6	CORE	Integrate Navy Security Forces (NSF) into a Unified/Area Command (UC/AC) structure
E4	CORE	Issue traffic and criminal violation notices
E5	CORE	Lead response to civil or domestic disturbances
E6	CORE	Manage evacuation procedures
E7	NON-CORE	Manage prisoner movements
E6	CORE	Manage security post rotations and turnovers as Watch Commander (e.g., Navy Security Force (NSF), Auxiliary Security Force (ASF), In-Port Security Force (ISF), etc.)
E4	CORE	Mitigate effects of critical incident stress
E4	CORE	Perform arrestee transports
E4	CORE	Perform community-based policing
E4	CORE	Perform criminal activity reporting
E5	CORE	Perform Criminal Justice (CJ) reporting procedures (i.e., eGuardian, fingerprint submission, Combined Deoxyribonucleic Acid (DNA) Index Systems (CODIS))
E4	NON-CORE	Perform crowd control procedures
E4	CORE	Perform detainee escorts and transports
E4	CORE	Perform Driving Under the Influence (DUI) or Driving While Intoxicated (DWI) detection and checkpoint procedures
E5	CORE	Perform duties as on-scene commander
E4	CORE	Perform initial crime scene response procedures (i.e., Access Control Points (ACP))
E4	CORE	Perform Law Enforcement (LE) escorts and transports
E4	NON-CORE	Perform prisoner movements
E4	CORE	Perform searches (e.g., personnel, vehicle, vessel, facility, etc.)
E4	CORE	Perform subject turnovers
E4	CORE	Perform vehicle impoundment procedures
E4	CORE	Perform Victim and Witness Assistance Program (VWAP) procedures
E4	CORE	Prepare for courtroom testimony
E4	CORE	Preserve crime scenes
E4	CORE	Process evidence and contraband
E4	CORE	Process fingerprints and Deoxyribonucleic Acid (DNA)
E4	CORE	Provide testimonies for official proceedings

LAW ENFORCEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Resolve citizen complaints
E4	CORE	Respond to child abuse/neglect
E4	CORE	Respond to civil or domestic disturbances
E4	CORE	Respond to crimes against persons (e.g., human trafficking, sexual assault, robbery, assault, murder, civil dispute, person in crisis, and suicide ideation, etc.)
E4	CORE	Respond to crimes against property (e.g., burglary, vandalism, arson, larceny, etc.)
E4	CORE	Respond to incident involving juvenile
E7	CORE	Supervise case and file management operations
E5	CORE	Supervise evidence processing
E5	CORE	Supervise Navy Security Force (NSF) section
E5	NON-CORE	Supervise prisoner movements
E4	CORE	Supervise searches (e.g., personnel, vehicle, vessel, facility, etc.)
E4	CORE	Utilize security reports and documents (e.g., incident reports, desk journals, communications logs, Law Enforcement (LE) documents, physical security documents, etc.)
E4	CORE	Verify lockout credentials and authorizations procedures

NAVY SECURITY FORCES (NSF) TRAINING

Paygrade	Task Type	Task Statements
E5	CORE	Conduct emergency vehicle operator training
E5	NON-CORE	Conduct Standard Compliance Course (SCC) training
E5	NON-CORE	Conduct sustainment training
E5	NON-CORE	Customize Navy Security Force (NSF) instructor and trainee guides
E5	NON-CORE	Develop drill and exercise materials (e.g., packages, guides, etc.)
E6	NON-CORE	Develop Navy Security Force (NSF) lesson plans
E5	NON-CORE	Develop qualification testing materials
E5	NON-CORE	Evaluate personnel during training, drills, and exercises
E5	CORE	Maintain individual Navy Security Force (NSF) training records
E5	NON-CORE	Manage Crew Served Weapons (CSW) programs
E7	NON-CORE	Manage Navy Security Force (NSF) qualification program
E6	NON-CORE	Manage Navy Security Force (NSF) training programs
E6	NON-CORE	Manage Non-Lethal Weapons (NLW) programs
E6	NON-CORE	Manage small arms weapons programs
E6	NON-CORE	Manage Standard Compliance Course (SCC) programs
E5	NON-CORE	Manage training records management programs
E4	NON-CORE	Perform as a decoy for Military Working Dog (MWD) training
E4	NON-CORE	Perform Man Overboard (MOB) evolutions
E5	NON-CORE	Perform small arms training
E5	CORE	Train personnel during drills and exercises

PHYSICAL SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Activate unit barrier plans
E4	CORE	Control security lighting equipment
E5	NON-CORE	Develop loss prevention plans and procedures
E7	NON-CORE	Develop physical security plans
E4	CORE	Enforce Limited Access Areas (LAA)
E4	CORE	Establish Navy Security Force (NSF) response perimeter areas
E6	NON-CORE	Implement unit barrier plans
E7	CORE	Implement use of compensatory security measures
E4	CORE	Perform biometric data collections
E4	CORE	Perform building, facility, and secured space security checks
E5	NON-CORE	Perform core, padlock, lock rotations, and combination changes
E5	NON-CORE	Perform crime prevention surveys
E5	CORE	Perform lock and seal inspections
E5	CORE	Perform lost/broken key and lock procedures
E4	CORE	Perform perimeter inspections
E5	NON-CORE	Perform physical security surveys
E4	CORE	Perform residential and commercial lockout procedures
E7	CORE	Perform technical review of physical security plans
E6	NON-CORE	Perform technical review of physical security surveys
E6	CORE	Plan static/mobile Mission Essential Vulnerable Assets (MEVA) or High Value Assets (HVA) missions
E4	CORE	Protect static/mobile Mission Essential Vulnerable Assets (MEVA) or High Value Assets (HVA)
E6	CORE	Supervise static/mobile Mission Essential Vulnerable Assets (MEVA) or High Value Assets (HVA) missions
E4	CORE	Track alerts using Electronic Security System (ESS) equipment (e.g., video, intrusion detection, proximity, etc.)
E4	CORE	Verify identification credentials and documents

Job Title **Job Code**

Afloat Security Specialist 001492

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Protective Service	TBD	AFLOAT SECURITY SPECIALIST	AFLOAT SEC SPC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MA	NEC PXXX series and other NECs as assigned

Job Description

Afloat Security Specialists conduct operations and maintain readiness to deter, detect, defend, and defeat criminal and/or terrorist activities: maintain good order and discipline in accordance with the Uniform Code of Military Justice (UCMJ); maintain a safe operating environment while protecting life and property; operate as a member of a Shipboard Security Department or as an Independent Duty Master-at-Arms (IDMAA) assigned to a ship; provide Antiterrorism (AT)/Force Protection (FP) training of ratings other than MA; and respond to security alerts and FP alerts in support of the Commander.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Police	270800	Police and Sheriff's Patrol Officers	33-3051.00	Protective Service

Skills	Abilities
Coordination	*Selective Attention*
Critical Thinking	*Oral Expression*
Monitoring	*Deductive Reasoning*
Management of Material Resources	*Information Ordering*
Speaking	*Reaction Time*
Complex Problem Solving	*Spatial Orientation*
Writing	*Written Expression*
Management of Personnel Resources	*Written Comprehension*
Operation and Control	*Inductive Reasoning*
Systems Evaluation	*Visualization*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	NON-CORE	Analyze crime statistics
E6	CORE	Approve security reports and documents (e.g., incident reports, desk journals, communications log, Law Enforcement (LE) documents, physical security documents, etc.)
E4	CORE	Conduct inventories (e.g., Military Working Dog (MWD), Harbor Patrol Unit (HPU), Strategic Weapons Facilities (SWF), Fleet Air Reconnaissance Squadron (VQ), Commander, Navy Installation Command (CNIC), etc.)
E4	CORE	Conduct issuance and receipt of equipment
E4	CORE	Conduct issuance and receipt of weapons
E7	NON-CORE	Conduct mission planning
E7	CORE	Conduct post requirements and manning assessments
E5	CORE	Develop access lists and rosters
E6	CORE	Develop communications plans
E6	NON-CORE	Develop Navy Security Force (NSF) post orders
E6	CORE	Develop Pre-Planned Responses (PPR)/Standard Operating Procedures (SOP)
E6	NON-CORE	Develop program waivers and exceptions to policies
E6	NON-CORE	Draft Naval messages (e.g., Antiterrorism (AT) operational report)
E4	CORE	Inspect Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Personal Protective Equipment (PPE)
E4	CORE	Maintain weapons and equipment (e.g., small arms, Crew-Served Weapons (CSW), Non-Lethal Weapons (NLW), weapons mounts, etc.)

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage Antiterrorism Working Groups (ATWG), Threat Working Group (TWG), and Antiterrorism Executive Committee (ATEC)
E6	NON-CORE	Manage Arms, Ammunition, and Explosives (AA&E) program
E6	NON-CORE	Manage customs programs
E6	NON-CORE	Manage evidence custodian programs
E7	CORE	Manage Navy Security Force (NSF) operations (e.g., establishing security policies, conducting risk assessments, implementing security controls, etc.)
E7	CORE	Organize burial-at-sea ceremonies
E4	CORE	Perform clearing barrel procedures (i.e., uploading/downloading weapons)
E5	CORE	Perform post inspections
E6	CORE	Relieve Navy Security Force (NSF) personnel from duty
E7	CORE	Review Antiterrorism (AT) risk assessments (i.e., criticality, vulnerability, threat)
E7	CORE	Review Force Protection (FP) reports and documents for accuracy
E4	CORE	Supervise clearing barrel procedures (i.e., uploading/downloading weapons)
E4	CORE	Supervise equipment issue and operational checks
E4	NON-CORE	Supervise restricted, extra duty, and Restriction in Lieu of Arrest (RILA) personnel
E4	NON-CORE	Troubleshoot engineering issues in accordance with platform mission sets
E7	CORE	Validate Navy Security Force (NSF) post orders/Pre-Planned Responses (PPR)/Standard Operating Procedures (SOP)

ANTITERRORISM (AT)

Paygrade	Task Type	Task Statements
E6	CORE	Activate command operation centers (e.g., Emergency Operations Centers (EOC), Damage Control Centrals (DCC), Region Operations Centers (ROC), Tactical Operations Centers (TOC), etc.)
E7	CORE	Advise commanders on implementation of the Standing Rules for the Use of Force (SRUF)
E4	CORE	Apply Use-of-Force (UoF) continuum
E7	NON-CORE	Brief Commander and Antiterrorism (AT) board on Force Protection Conditions (FPCON) changes
E5	CORE	Brief forces on implementation of the Standing Rules for the Use of Force (SRUF)
E6	NON-CORE	Conduct Antiterrorism (AT) risk assessments (i.e., criticality, vulnerability, threat)
E4	NON-CORE	Conduct approach and visit boardings on vessels
E4	CORE	Conduct appropriate incident reporting (e.g., Size, Activity, Location, Unit, Time, Equipment (SALUTE), Size, Position, Observation, Time (SPOT), Location, Conditions, Actions, Needs (LCAN), etc.)
E5	CORE	Conduct guard mounts
E4	NON-CORE	Conduct Seaward Continuum of Force (SCOF)
E4	CORE	Conduct security post rotations and turnovers
E4	CORE	Conduct tactical movements
E7	CORE	Coordinate inter-agency responses
E5	NON-CORE	Coordinate with Harbor Patrol Unit (HPU) and underway operations
E4	CORE	Detain personnel

ANTITERRORISM (AT) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Detect Improvised Explosive Devices (IED)
E7	CORE	Develop Antiterrorism (AT) plans
E7	CORE	Develop Force Protection Conditions (FPCON) measures action matrices
E6	CORE	Develop mission-specific security plans in accordance with mission sets (e.g., In-Port Security Plan (ISP), Ground Forces Security Plan (GFSP), Air Field Security Plan (AFSP), etc.)
E7	CORE	Direct Force Protection Conditions (FPCON) measures, actions, and changes
E4	CORE	Direct Reactionary Force (RF) members to fields of fire
E4	CORE	Doff Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Personal Protective Equipment (PPE)
E4	CORE	Don Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Personal Protective Equipment (PPE)
E4	CORE	Employ Crew-Served Weapons (CSW)
E4	CORE	Employ night vision optical devices
E4	CORE	Employ security equipment (e.g., Long-Range Acoustic Device (LRADs), flares, laser system, Counter Unmanned Aerial System (UAS), Night Vision Goggles (NVG), etc.)
E4	CORE	Employ small arms
E4	CORE	Employ unambiguous warning devices (e.g., horns, sirens, lights, flares, etc.)
E7	CORE	Establish Access Control Points (ACP)/Entry Control Points (ECP)
E4	CORE	Evacuate personnel casualties during Force Protection (FP) incidents
E7	CORE	Evaluate Navy Security Force (NSF) training program
E7	CORE	Evaluate need for modification to Antiterrorism (AT) posture
E4	CORE	Execute mission specific security plans in accordance with mission sets (e.g., In-Port Security Plan (ISP), Ground Forces Security Plan (GFSP), Air Field Security Plan (AFSP), etc.)
E6	CORE	Implement Force Protection Conditions (FPCON) measures, actions, and changes
E6	NON-CORE	Implement patrol orders
E7	CORE	Implement Random Antiterrorism Measures (RAM)
E4	CORE	Lead Reactionary Force (RF) team in tactical movements
E6	CORE	Manage access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))
E7	CORE	Manage Antiterrorism (AT) programs
E6	CORE	Manage Antiterrorism Tactical Watch Officer (ATTWO) programs
E7	CORE	Manage Antiterrorism Training Teams (ATTT)
E7	NON-CORE	Manage communications plans
E7	CORE	Manage security personnel and resources in command operation centers (e.g., Emergency Operations Centers (EOC), Damage Control Centrals (DCC), Region Operations Centers (ROC), Tactical Operations Centers (TOC), etc.)
E4	CORE	Neutralize active threats
E6	NON-CORE	Order the use of destructive fire by watchstanders in defense of Naval assets
E6	NON-CORE	Order the use of warning shots by watchstanders in defense of Naval assets
E4	CORE	Perform access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))

ANTITERRORISM (AT) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Antiterrorism (AT) escorts and transports
E4	CORE	Perform bloodborne pathogens prevention procedures
E5	CORE	Perform Command and Control (C2) functions
E4	CORE	Perform contraband or access inspections (e.g., vehicle, craft, personnel, baggage, etc.)
E4	CORE	Perform Crew-Served Weapons (CSW) turnovers
E4	NON-CORE	Perform destructive fire in defense of Naval asset
E4	CORE	Perform equipment pre-operational/post-operational checks (e.g., vehicle, craft, night vision devices, etc.)
E5	CORE	Perform multiple asset protection missions
E4	CORE	Perform radio communications
E4	CORE	Perform restraint procedures (e.g., administering control holds, restraint devices, and/or takedowns, etc.)
E4	CORE	Perform self and equipment decontamination (e.g., cleaning, disinfection, sterilization, etc.)
E4	CORE	Perform surveillance detections
E4	CORE	Perform surveillance response operations
E4	CORE	Perform tactical entries
E4	CORE	Perform Tactical Evacuations (TACEVAC)
E4	CORE	Perform tactical team operations
E4	CORE	Perform unarmed blocking techniques, striking techniques, and self-defense movements
E4	CORE	Perform verbal de-escalation procedures
E4	CORE	Perform warning shots in defense of Naval assets
E4	CORE	Perform weapons retention
E6	CORE	Plan multiple asset protection missions
E4	CORE	Report Contacts of Interest (COI)
E4	CORE	Respond to external and internal threats in accordance with mission sets (e.g., receive incoming calls for service via radio, log/document/enter service call information/status in communications management system, etc.)
E4	CORE	Respond to terrorist incidents in accordance with Pre-Planned Responses (PPR)
E5	CORE	Supervise access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))
E6	CORE	Supervise Antiterrorism (AT) programs
E4	CORE	Supervise contraband or access inspections (e.g., vehicle, craft, personnel, baggage, etc.)
E6	CORE	Supervise fixed posts and mobile patrols
E5	CORE	Supervise implementation of Pre-Planned Responses (PPR)
E5	CORE	Supervise security post rotations and turnovers (e.g., Navy Security Force (NSF), Auxiliary Security Force (ASF), In-Port Security Force (ISF), etc.)
E4	CORE	Utilize Non-Lethal Weapons (NLW)
E4	CORE	Verify access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))

LAW ENFORCEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Administer first aid as first responder (e.g., Basic Life Support (BLS), Automated External Defibrillator (AED) procedures, Tactical Combat Casualty Care (TCCC), etc.)
E4	CORE	Administer Preliminary Breath Test (PBT)
E7	CORE	Advise commanders on implementation of Federal Emergency Management Agency (FEMA) Incident Command Systems (ICS) structure
E4	CORE	Advise suspects of their rights during arrest/apprehension
E4	CORE	Apply ethical reasoning to policing
E4	CORE	Apply federal law and constitutional requirements to policing activities
E4	CORE	Apprehend suspects
E4	CORE	Collect evidence and contraband
E5	CORE	Conduct case and file management
E5	CORE	Conduct interrogations
E4	CORE	Conduct interviews
E4	CORE	Conduct patrols (e.g., emergency vehicles, on foot, boat, bicycle, etc.)
E4	CORE	Conduct preliminary law enforcement investigations
E4	CORE	Conduct suspect pursuits (e.g., vehicle, vessel, foot, etc.)
E4	CORE	Conduct traffic control operations
E4	CORE	Conduct vehicle suspect extractions
E6	CORE	Coordinate reports between Incident Command Post (ICP) and the Command Operations Centers (COC) during emergency incidents or special events
E6	CORE	Direct the staging, deployment, resource need, and operational control of Navy Security Forces (NSF) assigned to incident, unified, or area command missions
E6	CORE	Establish Incident Command Post (ICP)
E6	CORE	Facilitate interoperability between Navy Security Forces (NSF) and external civilian, federal, and Department of Defense (DoD)
E4	CORE	Identify possible threats/contraband utilizing screening and detection equipment (e.g., X-ray machine, undercarriage camera, etc.)
E4	CORE	Implement use of case management system (i.e., Consolidated Law Enforcement Operation Center (CLEOC))
E6	CORE	Integrate Navy Security Forces (NSF) into a Unified/Area Command (UC/AC) structure
E5	CORE	Lead response to civil or domestic disturbances
E6	CORE	Manage evacuation procedures
E7	NON-CORE	Manage prisoner movements
E6	CORE	Manage security post rotations and turnovers as Watch Commander (e.g., Navy Security Force (NSF), Auxiliary Security Force (ASF), In-Port Security Force (ISF), etc.)
E4	CORE	Mitigate effects of critical incident stress
E4	CORE	Perform arrestee transports
E4	CORE	Perform community-based policing
E4	CORE	Perform criminal activity reporting

LAW ENFORCEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Perform Criminal Justice (CJ) reporting procedures (i.e., eGuardian, fingerprint submission, Combined Deoxyribonucleic Acid (DNA) Index Systems (CODIS))
E4	NON-CORE	Perform crowd control procedures
E4	CORE	Perform detainee escorts and transports
E5	CORE	Perform duties as on-scene commander
E4	CORE	Perform initial crime scene response procedures (i.e., Access Control Points (ACP))
E4	CORE	Perform Law Enforcement (LE) escorts and transports
E4	NON-CORE	Perform prisoner movements
E4	CORE	Perform searches (e.g., personnel, vehicle, vessel, facility, etc.)
E4	CORE	Perform subject turnovers
E4	CORE	Perform Victim and Witness Assistance Program (VWAP) procedures
E4	CORE	Prepare for courtroom testimony
E4	CORE	Preserve crime scenes
E4	CORE	Process evidence and contraband
E4	CORE	Process fingerprints and Deoxyribonucleic Acid (DNA)
E4	CORE	Provide testimonies for official proceedings
E5	CORE	Resolve citizen complaints
E4	CORE	Respond to civil or domestic disturbances
E4	CORE	Respond to crimes against persons (e.g., human trafficking, sexual assault, robbery, assault, murder, civil dispute, person in crisis, and suicide ideation, etc.)
E4	CORE	Respond to crimes against property (e.g., burglary, vandalism, arson, larceny, etc.)
E7	CORE	Supervise case and file management operations
E5	CORE	Supervise evidence processing
E5	CORE	Supervise Navy Security Force (NSF) section
E5	NON-CORE	Supervise prisoner movements
E4	CORE	Supervise searches (e.g., personnel, vehicle, vessel, facility, etc.)
E4	CORE	Utilize security reports and documents (e.g., incident reports, desk journals, communications logs, Law Enforcement (LE) documents, physical security documents, etc.)
E4	CORE	Verify lockout credentials and authorizations procedures

NAVY SECURITY FORCES (NSF) TRAINING

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct sustainment training
E5	NON-CORE	Customize Navy Security Force (NSF) instructor and trainee guides
E5	NON-CORE	Develop drill and exercise materials (e.g., packages, guides, etc.)
E6	NON-CORE	Develop Navy Security Force (NSF) lesson plans
E5	NON-CORE	Develop qualification testing materials
E5	NON-CORE	Evaluate personnel during training, drills, and exercises
E5	CORE	Maintain individual Navy Security Force (NSF) training records
E5	NON-CORE	Manage Crew Served Weapons (CSW) programs

NAVY SECURITY FORCES (NSF) TRAINING (CONT'D)

Paygrade	Task Type	Task Statements
E7	NON-CORE	Manage Navy Security Force (NSF) qualification program
E6	NON-CORE	Manage Navy Security Force (NSF) training programs
E6	NON-CORE	Manage Non-Lethal Weapons (NLW) programs
E6	NON-CORE	Manage small arms weapons programs
E5	NON-CORE	Manage training records management programs
E5	NON-CORE	Perform small arms training
E5	CORE	Train personnel during drills and exercises

PHYSICAL SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Activate unit barrier plans
E4	CORE	Control security lighting equipment
E5	NON-CORE	Develop loss prevention plans and procedures
E7	NON-CORE	Develop physical security plans
E4	CORE	Enforce Limited Access Areas (LAA)
E4	CORE	Establish Navy Security Force (NSF) response perimeter areas
E6	NON-CORE	Implement unit barrier plans
E7	CORE	Implement use of compensatory security measures
E4	CORE	Perform biometric data collections
E4	CORE	Perform building, facility, and secured space security checks
E5	NON-CORE	Perform core, padlock, lock rotations, and combination changes
E5	NON-CORE	Perform crime prevention surveys
E5	CORE	Perform lock and seal inspections
E5	CORE	Perform lost/broken key and lock procedures
E4	CORE	Perform perimeter inspections
E5	NON-CORE	Perform physical security surveys
E7	CORE	Perform technical review of physical security plans
E6	NON-CORE	Perform technical review of physical security surveys
E6	CORE	Plan static/mobile Mission Essential Vulnerable Assets (MEVA) or High Value Assets (HVA) missions
E4	CORE	Protect static/mobile Mission Essential Vulnerable Assets (MEVA) or High Value Assets (HVA)
E6	CORE	Supervise static/mobile Mission Essential Vulnerable Assets (MEVA) or High Value Assets (HVA) missions
E4	CORE	Track alerts using Electronic Security System (ESS) equipment (e.g., video, intrusion detection, proximity, etc.)
E4	CORE	Verify identification credentials and documents

Job Title **Job Code**

Naval Criminal Investigative Service (NCIS) Operations Specialist 001497

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Protective Service	TBD	NCIS OPERATIONS SPECIALIST	NCIS OPS SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MA	NEC PXXX series and other NECs as assigned

Job Description

Naval Criminal Investigative Service (NCIS) Operations Specialists perform specialized duties in direct support of the NCIS: investigate major crimes and military offenses; serve warrants; protect personnel in high-risk billets; provide unit and individual level Antiterrorism (AT) training; and conduct vulnerability and readiness inspections and assessments.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Investigations	183200	Detectives and Criminal Investigators	33-3021.00	Protective Service

Skills	Abilities
Coordination	*Oral Expression*
Critical Thinking	*Selective Attention*
Monitoring	*Information Ordering*
Management of Material Resources	*Reaction Time*
Writing	*Deductive Reasoning*
Speaking	*Written Expression*
Complex Problem Solving	*Spatial Orientation*
Systems Evaluation	*Written Comprehension*
Management of Personnel Resources	*Inductive Reasoning*
Reading Comprehension	*Manual Dexterity*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	NON-CORE	Analyze crime statistics
E6	CORE	Approve security reports and documents (e.g., incident reports, desk journals, communications log, Law Enforcement (LE) documents, physical security documents, etc.)
E4	CORE	Conduct inventories (e.g., Military Working Dog (MWD), Harbor Patrol Unit (HPU), Strategic Weapons Facilities (SWF), Fleet Air Reconnaissance Squadron (VQ), Commander, Navy Installation Command (CNIC), etc.)
E4	CORE	Conduct issuance and receipt of equipment
E4	CORE	Conduct issuance and receipt of weapons
E7	NON-CORE	Conduct mission planning
E7	CORE	Conduct post requirements and manning assessments
E5	CORE	Develop access lists and rosters
E6	CORE	Develop communications plans
E6	CORE	Develop Pre-Planned Responses (PPR)/Standard Operating Procedures (SOP)
E6	NON-CORE	Develop program waivers and exceptions to policies
E6	NON-CORE	Draft Naval messages (e.g., Antiterrorism (AT) operational report)
E4	CORE	Inspect Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Personal Protective Equipment (PPE)
E4	CORE	Maintain weapons and equipment (e.g., small arms, Crew-Served Weapons (CSW), Non-Lethal Weapons (NLW), weapons mounts, etc.)

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage Antiterrorism Working Groups (ATWG), Threat Working Group (TWG), and Antiterrorism Executive Committee (ATEC)
E6	NON-CORE	Manage Arms, Ammunition, and Explosives (AA&E) program
E6	NON-CORE	Manage evidence custodian programs
E7	CORE	Manage Navy Security Force (NSF) operations (e.g., establishing security policies, conducting risk assessments, implementing security controls, etc.)
E7	CORE	Manage Navy Security Force (NSF) reserve units
E4	CORE	Perform clearing barrel procedures (i.e., uploading/downloading weapons)
E6	CORE	Relieve Navy Security Force (NSF) personnel from duty
E7	CORE	Review Antiterrorism (AT) risk assessments (i.e., criticality, vulnerability, threat)
E7	CORE	Review Force Protection (FP) reports and documents for accuracy
E4	CORE	Supervise clearing barrel procedures (i.e., uploading/downloading weapons)
E4	CORE	Supervise equipment issue and operational checks
E7	CORE	Validate Navy Security Force (NSF) post orders/Pre-Planned Responses (PPR)/Standard Operating Procedures (SOP)

ANTITERRORISM (AT)

Paygrade	Task Type	Task Statements
E6	CORE	Activate command operation centers (e.g., Emergency Operations Centers (EOC), Damage Control Centrals (DCC), Region Operations Centers (ROC), Tactical Operations Centers (TOC), etc.)
E7	CORE	Advise commanders on implementation of the Standing Rules for the Use of Force (SRUF)
E4	CORE	Apply Use-of-Force (UoF) continuum
E7	NON-CORE	Brief Commander and Antiterrorism (AT) board on Force Protection Conditions (FPCON) changes
E5	CORE	Brief forces on implementation of the Standing Rules for the Use of Force (SRUF)
E6	NON-CORE	Conduct Antiterrorism (AT) risk assessments (i.e., criticality, vulnerability, threat)
E4	CORE	Conduct appropriate incident reporting (e.g., Size, Activity, Location, Unit, Time, Equipment (SALUTE), Size, Position, Observation, Time (SPOT), Location, Conditions, Actions, Needs (LCAN), etc.)
E4	CORE	Conduct tactical movements
E7	CORE	Coordinate inter-agency responses
E4	CORE	Detain personnel
E4	CORE	Detect Improvised Explosive Devices (IED)
E7	CORE	Develop Force Protection Conditions (FPCON) measures action matrices
E6	CORE	Develop mission-specific security plans in accordance with mission sets (e.g., In-Port Security Plan (ISP), Ground Forces Security Plan (GFSP), Air Field Security Plan (AFSP), etc.)
E7	CORE	Direct Force Protection Conditions (FPCON) measures, actions, and changes
E4	CORE	Direct Reactionary Force (RF) members to fields of fire
E4	CORE	Doff Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Personal Protective Equipment (PPE)

ANTITERRORISM (AT) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Don Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Personal Protective Equipment (PPE)
E4	CORE	Employ security equipment (e.g., Long-Range Acoustic Device (LRADs), flares, laser system, Counter Unmanned Aerial System (UAS), Night Vision Goggles (NVG), etc.)
E4	CORE	Employ small arms
E4	CORE	Evacuate personnel casualties during Force Protection (FP) incidents
E7	CORE	Evaluate need for modification to Antiterrorism (AT) posture
E4	CORE	Execute mission specific security plans in accordance with mission sets (e.g., In-Port Security Plan (ISP), Ground Forces Security Plan (GFSP), Air Field Security Plan (AFSP), etc.)
E6	CORE	Implement Force Protection Conditions (FPCON) measures, actions, and changes
E7	CORE	Implement Random Antiterrorism Measures (RAM)
E4	CORE	Lead Reactionary Force (RF) team in tactical movements
E7	NON-CORE	Manage communications plans
E7	CORE	Manage security personnel and resources in command operation centers (e.g., Emergency Operations Centers (EOC), Damage Control Centrals (DCC), Region Operations Centers (ROC), Tactical Operations Centers (TOC), etc.)
E4	CORE	Neutralize active threats
E4	CORE	Perform Antiterrorism (AT) escorts and transports
E4	CORE	Perform bloodborne pathogens prevention procedures
E5	CORE	Perform Command and Control (C2) functions
E4	CORE	Perform equipment pre-operational/post-operational checks (e.g., vehicle, craft, night vision devices, etc.)
E4	CORE	Perform radio communications
E4	CORE	Perform restraint procedures (e.g., administering control holds, restraint devices, and/or takedowns, etc.)
E4	CORE	Perform self and equipment decontamination (e.g., cleaning, disinfection, sterilization, etc.)
E4	CORE	Perform surveillance detections
E4	CORE	Perform surveillance response operations
E4	CORE	Perform tactical entries
E4	CORE	Perform Tactical Evacuations (TACEVAC)
E4	CORE	Perform tactical team operations
E4	CORE	Perform unarmed blocking techniques, striking techniques, and self-defense movements
E4	CORE	Perform verbal de-escalation procedures
E4	CORE	Perform weapons retention
E4	CORE	Report Contacts of Interest (COI)
E4	CORE	Respond to external and internal threats in accordance with mission sets (e.g., receive incoming calls for service via radio, log/document/enter service call information/status in communications management system, etc.)
E4	CORE	Respond to terrorist incidents in accordance with Pre-Planned Responses (PPR)
E5	CORE	Supervise implementation of Pre-Planned Responses (PPR)

ANTITERRORISM (AT) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Utilize Non-Lethal Weapons (NLW)

LAW ENFORCEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Administer first aid as first responder (e.g., Basic Life Support (BLS), Automated External Defibrillator (AED) procedures, Tactical Combat Casualty Care (TCCC), etc.)
E4	CORE	Advise suspects of their rights during arrest/apprehension
E4	CORE	Apply ethical reasoning to policing
E4	CORE	Apply federal law and constitutional requirements to policing activities
E4	CORE	Apprehend suspects
E4	CORE	Collect evidence and contraband
E5	CORE	Conduct case and file management
E5	CORE	Conduct interrogations
E4	CORE	Conduct interviews
E4	CORE	Conduct preliminary law enforcement investigations
E4	CORE	Conduct suspect pursuits (e.g., vehicle, vessel, foot, etc.)
E4	NON-CORE	Enforce warrants
E4	CORE	Implement use of case management system (i.e., Consolidated Law Enforcement Operation Center (CLEOC))
E6	CORE	Manage evacuation procedures
E4	CORE	Mitigate effects of critical incident stress
E4	CORE	Perform arrestee transports
E4	CORE	Perform criminal activity reporting
E5	CORE	Perform Criminal Justice (CJ) reporting procedures (i.e., eGuardian, fingerprint submission, Combined Deoxyribonucleic Acid (DNA) Index Systems (CODIS))
E4	CORE	Perform detainee escorts and transports
E4	CORE	Perform initial crime scene response procedures (i.e., Access Control Points (ACP))
E4	CORE	Perform Law Enforcement (LE) escorts and transports
E4	CORE	Perform searches (e.g., personnel, vehicle, vessel, facility, etc.)
E4	CORE	Perform subject turnovers
E4	CORE	Perform vehicle impoundment procedures
E4	CORE	Perform Victim and Witness Assistance Program (VWAP) procedures
E4	CORE	Prepare for courtroom testimony
E4	CORE	Preserve crime scenes
E4	CORE	Process evidence and contraband
E4	CORE	Process fingerprints and Deoxyribonucleic Acid (DNA)
E4	CORE	Provide testimonies for official proceedings
E5	CORE	Resolve citizen complaints
E4	CORE	Respond to crimes against persons (e.g., human trafficking, sexual assault, robbery, assault, murder, civil dispute, person in crisis, and suicide ideation, etc.)
E4	CORE	Respond to crimes against property (e.g., burglary, vandalism, arson, larceny, etc.)

LAW ENFORCEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Supervise case and file management operations
E5	CORE	Supervise evidence processing
E4	CORE	Supervise searches (e.g., personnel, vehicle, vessel, facility, etc.)
E4	CORE	Utilize security reports and documents (e.g., incident reports, desk journals, communications logs, Law Enforcement (LE) documents, physical security documents, etc.)

NAVY SECURITY FORCES (NSF) TRAINING

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct sustainment training
E7	NON-CORE	Manage Navy Security Force (NSF) qualification program
E6	NON-CORE	Manage Navy Security Force (NSF) training programs
E6	NON-CORE	Manage small arms weapons programs
E5	NON-CORE	Perform small arms training
E5	CORE	Train personnel during drills and exercises

PHYSICAL SECURITY

Paygrade	Task Type	Task Statements
E5	NON-CORE	Develop loss prevention plans and procedures
E7	NON-CORE	Develop physical security plans
E4	CORE	Establish Navy Security Force (NSF) response perimeter areas
E7	CORE	Implement use of compensatory security measures
E4	CORE	Perform biometric data collections
E5	NON-CORE	Perform core, padlock, lock rotations, and combination changes
E5	CORE	Perform lock and seal inspections
E5	NON-CORE	Perform physical security surveys
E7	CORE	Perform technical review of physical security plans
E6	NON-CORE	Perform technical review of physical security surveys
E6	CORE	Plan static/mobile Mission Essential Vulnerable Assets (MEVA) or High Value Assets (HVA) missions
E4	CORE	Protect static/mobile Mission Essential Vulnerable Assets (MEVA) or High Value Assets (HVA)
E6	CORE	Supervise static/mobile Mission Essential Vulnerable Assets (MEVA) or High Value Assets (HVA) missions
E4	CORE	Track alerts using Electronic Security System (ESS) equipment (e.g., video, intrusion detection, proximity, etc.)
E4	CORE	Verify identification credentials and documents

Job Title **Job Code**

Expeditionary Security Specialist 001504

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Business and Financial Operations	TBD	EXPEDTIONRY SECURITY SPEC	EXPD SEC SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MA	NEC PXXX series and other NECs as assigned

Job Description

Expeditionary Security Specialists serve in major combat operations or while serving as an Individual Augmentee (IA): provide security in support of counter-insurgency operations, humanitarian assistance/disaster response, theater cooperation, aircraft protection, Maritime Interdiction Operations (MIO); and provide transition and stability during reconstruction operations.

DoD Relationship

Group Title	*DoD Code*
Law Enforcement, General	183000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Security Management Specialists	13-1199.07	Business and Financial Operations

Skills	Abilities
Coordination	*Selective Attention*
Critical Thinking	*Oral Expression*
Monitoring	*Spatial Orientation*
Management of Material Resources	*Deductive Reasoning*
Speaking	*Reaction Time*
Complex Problem Solving	*Written Expression*
Operation and Control	*Information Ordering*
Writing	*Written Comprehension*
Management of Personnel Resources	*Visualization*
Quality Control Analysis	*Inductive Reasoning*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Conduct inventories (e.g., Military Working Dog (MWD), Harbor Patrol Unit (HPU), Strategic Weapons Facilities (SWF), Fleet Air Reconnaissance Squadron (VQ), Commander, Navy Installation Command (CNIC), etc.)
E4	CORE	Conduct issuance and receipt of equipment
E4	CORE	Conduct issuance and receipt of weapons
E7	NON-CORE	Conduct mission planning
E7	CORE	Conduct post requirements and manning assessments
E5	NON-CORE	Coordinate Operational Risk Management (ORM) assessments for Harbor Patrol Unit (HPU) and underway operations
E5	CORE	Develop access lists and rosters
E6	CORE	Develop communications plans
E6	NON-CORE	Develop Navy Security Force (NSF) post orders
E6	CORE	Develop Pre-Planned Responses (PPR)/Standard Operating Procedures (SOP)
E6	NON-CORE	Develop program waivers and exceptions to policies
E6	NON-CORE	Draft Naval messages (e.g., Antiterrorism (AT) operational report)
E4	CORE	Inspect Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Personal Protective Equipment (PPE)
E4	CORE	Maintain weapons and equipment (e.g., small arms, Crew-Served Weapons (CSW), Non-Lethal Weapons (NLW), weapons mounts, etc.)
E7	CORE	Manage Antiterrorism Working Groups (ATWG), Threat Working Group (TWG), and Antiterrorism Executive Committee (ATEC)
E6	NON-CORE	Manage Arms, Ammunition, and Explosives (AA&E) program

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage Navy Security Force (NSF) reserve units
E7	CORE	Organize burial-at-sea ceremonies
E4	CORE	Perform clearing barrel procedures (i.e., uploading/downloading weapons)
E5	CORE	Perform post inspections
E6	CORE	Relieve Navy Security Force (NSF) personnel from duty
E7	CORE	Review Antiterrorism (AT) risk assessments (i.e., criticality, vulnerability, threat)
E7	CORE	Review Force Protection (FP) reports and documents for accuracy
E4	CORE	Supervise clearing barrel procedures (i.e., uploading/downloading weapons)
E4	CORE	Supervise equipment issue and operational checks
E4	NON-CORE	Troubleshoot engineering issues in accordance with platform mission sets
E7	CORE	Validate Navy Security Force (NSF) post orders/Pre-Planned Responses (PPR)/Standard Operating Procedures (SOP)

ANTITERRORISM (AT)

Paygrade	Task Type	Task Statements
E6	CORE	Activate command operation centers (e.g., Emergency Operations Centers (EOC), Damage Control Centrals (DCC), Region Operations Centers (ROC), Tactical Operations Centers (TOC), etc.)
E7	CORE	Advise commanders on implementation of the Standing Rules for the Use of Force (SRUF)
E4	CORE	Apply Use-of-Force (UoF) continuum
E4	NON-CORE	Assist in anchoring
E4	NON-CORE	Assist in craft towing
E7	NON-CORE	Brief Commander and Antiterrorism (AT) board on Force Protection Conditions (FPCON) changes
E5	CORE	Brief forces on implementation of the Standing Rules for the Use of Force (SRUF)
E4	NON-CORE	Combat small vessel casualties (e.g., fire, flooding, electrical, etc.)
E6	NON-CORE	Conduct Antiterrorism (AT) risk assessments (i.e., criticality, vulnerability, threat)
E4	NON-CORE	Conduct approach and visit boardings on aircraft
E4	NON-CORE	Conduct approach and visit boardings on vessels
E4	CORE	Conduct appropriate incident reporting (e.g., Size, Activity, Location, Unit, Time, Equipment (SALUTE), Size, Position, Observation, Time (SPOT), Location, Conditions, Actions, Needs (LCAN), etc.)
E5	CORE	Conduct guard mounts
E4	NON-CORE	Conduct Seaward Continuum of Force (SCOF)
E4	CORE	Conduct security post rotations and turnovers
E4	CORE	Conduct tactical movements
E7	CORE	Coordinate inter-agency responses
E5	NON-CORE	Coordinate with Harbor Patrol Unit (HPU) and underway operations
E4	CORE	Detain personnel
E4	CORE	Detect Improvised Explosive Devices (IED)
E7	CORE	Develop Antiterrorism (AT) plans

ANTITERRORISM (AT) (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Develop Force Protection Conditions (FPCON) measures action matrices
E6	CORE	Develop mission-specific security plans in accordance with mission sets (e.g., In-Port Security Plan (ISP), Ground Forces Security Plan (GFSP), Air Field Security Plan (AFSP), etc.)
E7	CORE	Direct Force Protection Conditions (FPCON) measures, actions, and changes
E4	CORE	Direct Reactionary Force (RF) members to fields of fire
E4	CORE	Doff Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Personal Protective Equipment (PPE)
E4	CORE	Don Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Personal Protective Equipment (PPE)
E4	CORE	Employ Crew-Served Weapons (CSW)
E4	CORE	Employ night vision optical devices
E4	CORE	Employ security equipment (e.g., Long-Range Acoustic Device (LRADs), flares, laser system, Counter Unmanned Aerial System (UAS), Night Vision Goggles (NVG), etc.)
E4	CORE	Employ small arms
E4	CORE	Employ unambiguous warning devices (e.g., horns, sirens, lights, flares, etc.)
E7	CORE	Establish Access Control Points (ACP)/Entry Control Points (ECP)
E4	CORE	Evacuate personnel casualties during Force Protection (FP) incidents
E7	CORE	Evaluate Navy Security Force (NSF) training program
E7	CORE	Evaluate need for modification to Antiterrorism (AT) posture
E4	CORE	Execute mission specific security plans in accordance with mission sets (e.g., In-Port Security Plan (ISP), Ground Forces Security Plan (GFSP), Air Field Security Plan (AFSP), etc.)
E6	CORE	Implement Force Protection Conditions (FPCON) measures, actions, and changes
E6	NON-CORE	Implement patrol orders
E7	CORE	Implement Random Antiterrorism Measures (RAM)
E4	CORE	Lead Reactionary Force (RF) team in tactical movements
E6	CORE	Manage access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))
E7	CORE	Manage Antiterrorism (AT) programs
E6	CORE	Manage Antiterrorism Tactical Watch Officer (ATTWO) programs
E7	CORE	Manage Antiterrorism Training Teams (ATTT)
E7	NON-CORE	Manage communications plans
E7	CORE	Manage security personnel and resources in command operation centers (e.g., Emergency Operations Centers (EOC), Damage Control Centrals (DCC), Region Operations Centers (ROC), Tactical Operations Centers (TOC), etc.)
E4	CORE	Neutralize active threats
E6	NON-CORE	Order the use of destructive fire by watchstanders in defense of Naval assets
E6	NON-CORE	Order the use of warning shots by watchstanders in defense of Naval assets
E4	CORE	Perform access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))
E4	NON-CORE	Perform afloat navigation (e.g., chart reading, aids to navigation, electronic navigation, etc.)

ANTITERRORISM (AT) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Antiterrorism (AT) escorts and transports
E4	CORE	Perform bloodborne pathogens prevention procedures
E5	CORE	Perform Command and Control (C2) functions
E4	CORE	Perform contraband or access inspections (e.g., vehicle, craft, personnel, baggage, etc.)
E4	CORE	Perform Crew-Served Weapons (CSW) turnovers
E4	NON-CORE	Perform destructive fire in defense of Naval asset
E4	CORE	Perform equipment pre-operational/post-operational checks (e.g., vehicle, craft, night vision devices, etc.)
E5	CORE	Perform multiple asset protection missions
E4	CORE	Perform radio communications
E4	CORE	Perform restraint procedures (e.g., administering control holds, restraint devices, and/or takedowns, etc.)
E4	CORE	Perform self and equipment decontamination (e.g., cleaning, disinfection, sterilization, etc.)
E4	CORE	Perform strategic asset convoys
E4	CORE	Perform surveillance detections
E4	CORE	Perform surveillance response operations
E4	CORE	Perform tactical entries
E4	CORE	Perform Tactical Evacuations (TACEVAC)
E4	CORE	Perform tactical team operations
E4	CORE	Perform unarmed blocking techniques, striking techniques, and self-defense movements
E4	CORE	Perform verbal de-escalation procedures
E4	CORE	Perform warning shots in defense of Naval assets
E4	CORE	Perform weapons retention
E6	CORE	Plan multiple asset protection missions
E4	CORE	Report Contacts of Interest (COI)
E4	CORE	Respond to external and internal threats in accordance with mission sets (e.g., receive incoming calls for service via radio, log/document/enter service call information/status in communications management system, etc.)
E4	CORE	Respond to terrorist incidents in accordance with Pre-Planned Responses (PPR)
E5	CORE	Supervise access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))
E6	CORE	Supervise Antiterrorism (AT) programs
E4	CORE	Supervise contraband or access inspections (e.g., vehicle, craft, personnel, baggage, etc.)
E6	CORE	Supervise fixed posts and mobile patrols
E5	CORE	Supervise implementation of Pre-Planned Responses (PPR)
E5	CORE	Supervise security post rotations and turnovers (e.g., Navy Security Force (NSF), Auxiliary Security Force (ASF), In-Port Security Force (ISF), etc.)
E4	CORE	Utilize Non-Lethal Weapons (NLW)
E4	CORE	Verify access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))

LAW ENFORCEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Administer first aid as first responder (e.g., Basic Life Support (BLS), Automated External Defibrillator (AED) procedures, Tactical Combat Casualty Care (TCCC), etc.)
E7	CORE	Advise commanders on implementation of Federal Emergency Management Agency (FEMA) Incident Command Systems (ICS) structure
E4	CORE	Collect evidence and contraband
E4	CORE	Conduct patrols (e.g., emergency vehicles, on foot, boat, bicycle, etc.)
E4	CORE	Conduct suspect pursuits (e.g., vehicle, vessel, foot, etc.)
E4	CORE	Conduct traffic control operations
E4	CORE	Conduct vehicle suspect extractions
E6	CORE	Coordinate reports between Incident Command Post (ICP) and the Command Operations Centers (COC) during emergency incidents or special events
E6	CORE	Direct the staging, deployment, resource need, and operational control of Navy Security Forces (NSF) assigned to incident, unified, or area command missions
E6	CORE	Facilitate interoperability between Navy Security Forces (NSF) and external civilian, federal, and Department of Defense (DoD)
E4	CORE	Identify possible threats/contraband utilizing screening and detection equipment (e.g., X-ray machine, undercarriage camera, etc.)
E6	CORE	Integrate Navy Security Forces (NSF) into a Unified/Area Command (UC/AC) structure
E6	CORE	Manage evacuation procedures
E7	NON-CORE	Manage prisoner movements
E4	CORE	Mitigate effects of critical incident stress
E4	CORE	Perform criminal activity reporting
E4	NON-CORE	Perform crowd control procedures
E4	CORE	Perform detainee escorts and transports
E4	NON-CORE	Perform prisoner movements
E4	CORE	Perform searches (e.g., personnel, vehicle, vessel, facility, etc.)
E4	CORE	Perform subject turnovers
E4	CORE	Perform Victim and Witness Assistance Program (VWAP) procedures
E4	CORE	Provide testimonies for official proceedings
E5	NON-CORE	Supervise prisoner movements
E4	CORE	Supervise searches (e.g., personnel, vehicle, vessel, facility, etc.)
E4	CORE	Utilize security reports and documents (e.g., incident reports, desk journals, communications logs, Law Enforcement (LE) documents, physical security documents, etc.)

NAVY SECURITY FORCES (NSF) TRAINING

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct sustainment training
E5	NON-CORE	Customize Navy Security Force (NSF) instructor and trainee guides
E5	NON-CORE	Develop drill and exercise materials (e.g., packages, guides, etc.)
E6	NON-CORE	Develop Navy Security Force (NSF) lesson plans
E5	NON-CORE	Develop qualification testing materials

NAVY SECURITY FORCES (NSF) TRAINING (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Evaluate personnel during training, drills, and exercises
E5	CORE	Maintain individual Navy Security Force (NSF) training records
E5	NON-CORE	Manage Crew Served Weapons (CSW) programs
E7	NON-CORE	Manage Navy Security Force (NSF) qualification program
E6	NON-CORE	Manage Navy Security Force (NSF) training programs
E6	NON-CORE	Manage Non-Lethal Weapons (NLW) programs
E6	NON-CORE	Manage small arms weapons programs
E5	NON-CORE	Manage training records management programs
E4	NON-CORE	Perform Man Overboard (MOB) evolutions
E5	NON-CORE	Perform small arms training
E5	CORE	Train personnel during drills and exercises

PHYSICAL SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Activate unit barrier plans
E4	CORE	Control security lighting equipment
E7	NON-CORE	Develop physical security plans
E4	CORE	Enforce Limited Access Areas (LAA)
E4	CORE	Establish Navy Security Force (NSF) response perimeter areas
E6	NON-CORE	Implement unit barrier plans
E7	CORE	Implement use of compensatory security measures
E4	CORE	Perform building, facility, and secured space security checks
E5	NON-CORE	Perform core, padlock, lock rotations, and combination changes
E5	CORE	Perform lock and seal inspections
E5	CORE	Perform lost/broken key and lock procedures
E4	CORE	Perform perimeter inspections
E5	NON-CORE	Perform physical security surveys
E7	CORE	Perform technical review of physical security plans
E6	NON-CORE	Perform technical review of physical security surveys
E6	CORE	Plan static/mobile Mission Essential Vulnerable Assets (MEVA) or High Value Assets (HVA) missions
E4	CORE	Protect static/mobile Mission Essential Vulnerable Assets (MEVA) or High Value Assets (HVA)
E6	CORE	Supervise static/mobile Mission Essential Vulnerable Assets (MEVA) or High Value Assets (HVA) missions
E4	CORE	Track alerts using Electronic Security System (ESS) equipment (e.g., video, intrusion detection, proximity, etc.)
E4	CORE	Verify identification credentials and documents

Job Title **Job Code**

Strategic Asset Security Specialist 001509

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Business and Financial Operations	TBD	STRATEGIC ASSET SECURITY SPEC	STRAT SEC SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MA	NEC PXXX series and other NECs assigned

Job Description

Strategic Asset Security Specialists provide protection and continual physical security of the Nation's nuclear forces while assigned to Fleet Air Reconnaissance Squadron (VQ) Take Charge and Move Out (TACAMO) and/or Marine Corps Security Force Battalions (MCSFB) at Strategic Weapons Facilities (SWF): perform Nuclear Weapons Security (NWS) operations; perform TACAMO operations as members of Strategic Communications Wing One, Fleet Air Reconnaissance Squadrons and U.S. Strategic Command (USSTRATCOM) Airborne National Command Posts; and serve in Priority 1 Chief of Naval Operations (CNO) and Manning Control Authorities (MCA) assignments.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Law Enforcement, General	183000	Security Management Specialists	13-1199.07	Business and Financial Operations

Skills	Abilities
Coordination	*Selective Attention*
Critical Thinking	*Oral Expression*
Monitoring	*Spatial Orientation*
Management of Material Resources	*Reaction Time*
Speaking	*Deductive Reasoning*
Complex Problem Solving	*Information Ordering*
Operation and Control	*Written Comprehension*
Management of Personnel Resources	*Written Expression*
Writing	*Inductive Reasoning*
Quality Control Analysis	*Manual Dexterity*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	NON-CORE	Approve Military Working Dog (MWD) reports and forms (e.g., training records, utilization records, certification data, etc.)
E6	NON-CORE	Brief security officer on Military Working Dog (MWD) operations
E4	CORE	Conduct inventories (e.g., Military Working Dog (MWD), Harbor Patrol Unit (HPU), Strategic Weapons Facilities (SWF), Fleet Air Reconnaissance Squadron (VQ), Commander, Navy Installation Command (CNIC), etc.)
E4	CORE	Conduct issuance and receipt of equipment
E4	CORE	Conduct issuance and receipt of weapons
E4	CORE	Conduct kennel checks
E7	NON-CORE	Conduct mission planning
E7	CORE	Conduct post requirements and manning assessments
E4	NON-CORE	Conduct sanitation duties for Military Working Dog (MWD) kennels
E4	NON-CORE	Coordinate Military Working Dog (MWD) required reports and forms (e.g., training records, utilization records, certification data, etc.)
E5	NON-CORE	Coordinate Operational Risk Management (ORM) assessments for Harbor Patrol Unit (HPU) and underway operations
E5	CORE	Develop access lists and rosters
E6	CORE	Develop communications plans
E6	NON-CORE	Develop Navy Security Force (NSF) post orders
E6	CORE	Develop Pre-Planned Responses (PPR)/Standard Operating Procedures (SOP)

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Develop program waivers and exceptions to policies
E6	NON-CORE	Draft Naval messages (e.g., Antiterrorism (AT) operational report)
E4	CORE	Inspect Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Personal Protective Equipment (PPE)
E5	CORE	Maintain Personal Reliability Program (PRP) eligibility
E4	CORE	Maintain weapons and equipment (e.g., small arms, Crew-Served Weapons (CSW), Non-Lethal Weapons (NLW), weapons mounts, etc.)
E6	NON-CORE	Manage accountability of Military Working Dog (MWD) drug training aids
E6	CORE	Manage accountability of Military Working Dog (MWD) explosive training aids
E7	CORE	Manage Antiterrorism Working Groups (ATWG), Threat Working Group (TWG), and Antiterrorism Executive Committee (ATEC)
E6	NON-CORE	Manage Arms, Ammunition, and Explosives (AA&E) program
E4	CORE	Perform clearing barrel procedures (i.e., uploading/downloading weapons)
E5	CORE	Perform post inspections
E6	CORE	Relieve Navy Security Force (NSF) personnel from duty
E7	CORE	Review Antiterrorism (AT) risk assessments (i.e., criticality, vulnerability, threat)
E7	CORE	Review Force Protection (FP) reports and documents for accuracy
E4	CORE	Supervise clearing barrel procedures (i.e., uploading/downloading weapons)
E4	CORE	Supervise equipment issue and operational checks
E4	NON-CORE	Troubleshoot engineering issues in accordance with platform mission sets
E7	CORE	Validate Navy Security Force (NSF) post orders/Pre-Planned Responses (PPR)/Standard Operating Procedures (SOP)

ANTITERRORISM (AT)

Paygrade	Task Type	Task Statements
E6	CORE	Activate command operation centers (e.g., Emergency Operations Centers (EOC), Damage Control Centrals (DCC), Region Operations Centers (ROC), Tactical Operations Centers (TOC), etc.)
E7	CORE	Advise commanders on implementation of the Standing Rules for the Use of Force (SRUF)
E4	CORE	Apply Use-of-Force (UoF) continuum
E4	NON-CORE	Assist in anchoring
E4	NON-CORE	Assist in craft towing
E7	NON-CORE	Brief Commander and Antiterrorism (AT) board on Force Protection Conditions (FPCON) changes
E5	CORE	Brief forces on implementation of the Standing Rules for the Use of Force (SRUF)
E4	NON-CORE	Combat small vessel casualties (e.g., fire, flooding, electrical, etc.)
E6	NON-CORE	Conduct Antiterrorism (AT) risk assessments (i.e., criticality, vulnerability, threat)
E4	NON-CORE	Conduct approach and visit boardings on aircraft
E4	CORE	Conduct appropriate incident reporting (e.g., Size, Activity, Location, Unit, Time, Equipment (SALUTE), Size, Position, Observation, Time (SPOT), Location, Conditions, Actions, Needs (LCAN), etc.)
E5	CORE	Conduct guard mounts

ANTITERRORISM (AT) (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Conduct Seaward Continuum of Force (SCOF)
E4	CORE	Conduct security post rotations and turnovers
E4	CORE	Conduct tactical movements
E7	CORE	Coordinate inter-agency responses
E4	NON-CORE	Coordinate Military Working Dog (MWD) sweeps
E5	NON-CORE	Coordinate with Harbor Patrol Unit (HPU) and underway operations
E4	CORE	Detain personnel
E4	CORE	Detect Improvised Explosive Devices (IED)
E7	CORE	Develop Antiterrorism (AT) plans
E7	CORE	Develop Force Protection Conditions (FPCON) measures action matrices
E6	CORE	Develop mission-specific security plans in accordance with mission sets (e.g., In-Port Security Plan (ISP), Ground Forces Security Plan (GFSP), Air Field Security Plan (AFSP), etc.)
E7	CORE	Direct Force Protection Conditions (FPCON) measures, actions, and changes
E4	CORE	Direct Reactionary Force (RF) members to fields of fire
E4	CORE	Doff Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Personal Protective Equipment (PPE)
E4	CORE	Don Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Personal Protective Equipment (PPE)
E4	CORE	Employ Crew-Served Weapons (CSW)
E4	CORE	Employ night vision optical devices
E4	CORE	Employ security equipment (e.g., Long-Range Acoustic Device (LRADs), flares, laser system, Counter Unmanned Aerial System (UAS), Night Vision Goggles (NVG), etc.)
E4	CORE	Employ small arms
E4	CORE	Employ unambiguous warning devices (e.g., horns, sirens, lights, flares, etc.)
E7	CORE	Establish Access Control Points (ACP)/Entry Control Points (ECP)
E4	CORE	Evacuate personnel casualties during Force Protection (FP) incidents
E7	CORE	Evaluate Navy Security Force (NSF) training program
E7	CORE	Evaluate need for modification to Antiterrorism (AT) posture
E4	CORE	Execute mission specific security plans in accordance with mission sets (e.g., In-Port Security Plan (ISP), Ground Forces Security Plan (GFSP), Air Field Security Plan (AFSP), etc.)
E6	CORE	Implement Force Protection Conditions (FPCON) measures, actions, and changes
E6	NON-CORE	Implement patrol orders
E7	CORE	Implement Random Antiterrorism Measures (RAM)
E4	CORE	Lead Reactionary Force (RF) team in tactical movements
E6	CORE	Manage access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))
E7	CORE	Manage Antiterrorism (AT) programs
E7	NON-CORE	Manage communications plans

ANTITERRORISM (AT) (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage security personnel and resources in command operation centers (e.g., Emergency Operations Centers (EOC), Damage Control Centrals (DCC), Region Operations Centers (ROC), Tactical Operations Centers (TOC), etc.)
E4	CORE	Neutralize active threats
E6	NON-CORE	Order the use of destructive fire by watchstanders in defense of Naval assets
E4	CORE	Perform access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))
E4	CORE	Perform Antiterrorism (AT) escorts and transports
E4	CORE	Perform bloodborne pathogens prevention procedures
E5	CORE	Perform Command and Control (C2) functions
E4	CORE	Perform contraband or access inspections (e.g., vehicle, craft, personnel, baggage, etc.)
E4	CORE	Perform Crew-Served Weapons (CSW) turnovers
E4	NON-CORE	Perform destructive fire in defense of Naval asset
E4	CORE	Perform equipment pre-operational/post-operational checks (e.g., vehicle, craft, night vision devices, etc.)
E5	CORE	Perform multiple asset protection missions
E4	CORE	Perform radio communications
E4	CORE	Perform restraint procedures (e.g., administering control holds, restraint devices, and/or takedowns, etc.)
E4	CORE	Perform self and equipment decontamination (e.g., cleaning, disinfection, sterilization, etc.)
E4	CORE	Perform strategic asset convoys
E4	CORE	Perform surveillance detections
E4	CORE	Perform surveillance response operations
E4	CORE	Perform tactical entries
E4	CORE	Perform Tactical Evacuations (TACEVAC)
E4	CORE	Perform tactical team operations
E4	CORE	Perform unarmed blocking techniques, striking techniques, and self-defense movements
E4	CORE	Perform verbal de-escalation procedures
E4	CORE	Perform weapons retention
E6	CORE	Plan multiple asset protection missions
E4	CORE	Report Contacts of Interest (COI)
E4	CORE	Respond to external and internal threats in accordance with mission sets (e.g., receive incoming calls for service via radio, log/document/enter service call information/status in communications management system, etc.)
E4	CORE	Respond to terrorist incidents in accordance with Pre-Planned Responses (PPR)
E5	CORE	Supervise access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))
E6	CORE	Supervise Antiterrorism (AT) programs
E4	CORE	Supervise contraband or access inspections (e.g., vehicle, craft, personnel, baggage, etc.)
E6	CORE	Supervise fixed posts and mobile patrols

ANTITERRORISM (AT) (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise implementation of Pre-Planned Responses (PPR)
E5	CORE	Supervise security post rotations and turnovers (e.g., Navy Security Force (NSF), Auxiliary Security Force (ASF), In-Port Security Force (ISF), etc.)
E4	CORE	Utilize Non-Lethal Weapons (NLW)
E4	CORE	Verify access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))

LAW ENFORCEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Administer first aid as first responder (e.g., Basic Life Support (BLS), Automated External Defibrillator (AED) procedures, Tactical Combat Casualty Care (TCCC), etc.)
E7	CORE	Advise commanders on implementation of Federal Emergency Management Agency (FEMA) Incident Command Systems (ICS) structure
E4	CORE	Collect evidence and contraband
E4	CORE	Conduct patrols (e.g., emergency vehicles, on foot, boat, bicycle, etc.)
E4	CORE	Conduct suspect pursuits (e.g., vehicle, vessel, foot, etc.)
E4	CORE	Conduct traffic control operations
E4	CORE	Conduct vehicle suspect extractions
E6	CORE	Coordinate reports between Incident Command Post (ICP) and the Command Operations Centers (COC) during emergency incidents or special events
E6	CORE	Direct the staging, deployment, resource need, and operational control of Navy Security Forces (NSF) assigned to incident, unified, or area command missions
E5	NON-CORE	Employ Military Working Dog (MWD) teams during critical incidents
E6	CORE	Establish Incident Command Post (ICP)
E6	CORE	Facilitate interoperability between Navy Security Forces (NSF) and external civilian, federal, and Department of Defense (DoD)
E4	CORE	Identify possible threats/contraband utilizing screening and detection equipment (e.g., X-ray machine, undercarriage camera, etc.)
E6	CORE	Integrate Navy Security Forces (NSF) into a Unified/Area Command (UC/AC) structure
E6	CORE	Manage evacuation procedures
E4	CORE	Mitigate effects of critical incident stress
E4	CORE	Perform searches (e.g., personnel, vehicle, vessel, facility, etc.)
E4	CORE	Perform subject turnovers
E4	CORE	Perform Victim and Witness Assistance Program (VWAP) procedures
E4	CORE	Provide testimonies for official proceedings
E4	CORE	Supervise searches (e.g., personnel, vehicle, vessel, facility, etc.)
E4	CORE	Utilize security reports and documents (e.g., incident reports, desk journals, communications logs, Law Enforcement (LE) documents, physical security documents, etc.)

NAVY SECURITY FORCES (NSF) TRAINING

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct sustainment training
E5	CORE	Maintain individual Navy Security Force (NSF) training records

NAVY SECURITY FORCES (NSF) TRAINING (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Manage Crew Served Weapons (CSW) programs
E7	NON-CORE	Manage Navy Security Force (NSF) qualification program
E6	NON-CORE	Manage Navy Security Force (NSF) training programs
E6	NON-CORE	Manage Non-Lethal Weapons (NLW) programs
E6	NON-CORE	Manage small arms weapons programs
E5	NON-CORE	Manage training records management programs
E4	NON-CORE	Perform as a decoy for Military Working Dog (MWD) training
E4	NON-CORE	Perform Man Overboard (MOB) evolutions
E5	NON-CORE	Perform small arms training
E5	CORE	Train personnel during drills and exercises

PHYSICAL SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Activate unit barrier plans
E4	CORE	Control security lighting equipment
E7	NON-CORE	Develop physical security plans
E4	CORE	Enforce Limited Access Areas (LAA)
E4	CORE	Establish Navy Security Force (NSF) response perimeter areas
E6	NON-CORE	Implement unit barrier plans
E7	CORE	Implement use of compensatory security measures
E4	CORE	Perform building, facility, and secured space security checks
E5	NON-CORE	Perform core, padlock, lock rotations, and combination changes
E5	CORE	Perform lock and seal inspections
E5	CORE	Perform lost/broken key and lock procedures
E4	CORE	Perform perimeter inspections
E5	NON-CORE	Perform physical security surveys
E7	CORE	Perform technical review of physical security plans
E6	NON-CORE	Perform technical review of physical security surveys
E6	CORE	Plan static/mobile Mission Essential Vulnerable Assets (MEVA) or High Value Assets (HVA) missions
E4	CORE	Protect static/mobile Mission Essential Vulnerable Assets (MEVA) or High Value Assets (HVA)
E6	CORE	Supervise static/mobile Mission Essential Vulnerable Assets (MEVA) or High Value Assets (HVA) missions
E4	CORE	Track alerts using Electronic Security System (ESS) equipment (e.g., video, intrusion detection, proximity, etc.)
E4	CORE	Verify identification credentials and documents

Job Title **Job Code**

Navy Security Force (NSF) Trainer/Planner 001514

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Business and Financial Operations	TBD	NSF TRAINER/PLANNER	NSF TRAIN PLAN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MA	NEC PXXX series and other NECs as assigned

Job Description

Navy Security Force (NSF) Trainers/Planners provide NSF training, management, and planning of all functions associated with operational readiness, effectiveness, and performance through instruction, evaluation, analysis, and improvement: lead or assist in the development, management, and execution of all Security Reaction Force-Basic (SRF-B)/Force Protection (FP) program plans; manage sustainment training, qualifications, and ATTT drills; verify training and qualifications, ensuring that members of the unit complete training and certifications through the training and assessment cycle, ensuring unit members are equipped to execute the mission successfully.

DoD Relationship

Group Title	*DoD Code*
Law Enforcement, General	183000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Training and Development Specialists	13-1151.00	Business and Financial Operations

Skills	Abilities
Monitoring	*Selective Attention*
Management of Material Resources	*Oral Expression*
Critical Thinking	*Written Expression*
Coordination	*Information Ordering*
Writing	*Written Comprehension*
Speaking	*Deductive Reasoning*
Systems Evaluation	*Inductive Reasoning*
Complex Problem Solving	*Spatial Orientation*
Management of Personnel Resources	*Control Precision*
Learning Strategies	*Originality*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	NON-CORE	Analyze crime statistics
E4	CORE	Conduct inventories (e.g., Military Working Dog (MWD), Harbor Patrol Unit (HPU), Strategic Weapons Facilities (SWF), Fleet Air Reconnaissance Squadron (VQ), Commander, Navy Installation Command (CNIC), etc.)
E4	CORE	Conduct issuance and receipt of equipment
E7	NON-CORE	Conduct mission planning
E7	CORE	Conduct post requirements and manning assessments
E5	CORE	Develop access lists and rosters
E6	CORE	Develop communications plans
E6	NON-CORE	Develop Navy Security Force (NSF) post orders
E6	CORE	Develop Pre-Planned Responses (PPR)/Standard Operating Procedures (SOP)
E6	NON-CORE	Develop program waivers and exceptions to policies
E6	NON-CORE	Draft Naval messages (e.g., Antiterrorism (AT) operational report)
E5	CORE	Maintain Personal Reliability Program (PRP) eligibility
E4	CORE	Maintain weapons and equipment (e.g., small arms, Crew-Served Weapons (CSW), Non-Lethal Weapons (NLW), weapons mounts, etc.)
E7	CORE	Manage Antiterrorism Working Groups (ATWG), Threat Working Group (TWG), and Antiterrorism Executive Committee (ATEC)
E6	NON-CORE	Manage Arms, Ammunition, and Explosives (AA&E) program

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage Navy Security Force (NSF) operations (e.g., establishing security policies, conducting risk assessments, implementing security controls, etc.)
E7	CORE	Manage Navy Security Force (NSF) reserve units
E4	CORE	Perform clearing barrel procedures (i.e., uploading/downloading weapons)
E5	CORE	Perform post inspections
E6	CORE	Relieve Navy Security Force (NSF) personnel from duty
E7	CORE	Review Antiterrorism (AT) risk assessments (i.e., criticality, vulnerability, threat)
E7	CORE	Review Force Protection (FP) reports and documents for accuracy
E4	CORE	Supervise clearing barrel procedures (i.e., uploading/downloading weapons)
E4	CORE	Supervise equipment issue and operational checks
E4	NON-CORE	Troubleshoot engineering issues in accordance with platform mission sets
E7	CORE	Validate Navy Security Force (NSF) post orders/Pre-Planned Responses (PPR)/Standard Operating Procedures (SOP)

ANTITERRORISM (AT)

Paygrade	Task Type	Task Statements
E6	CORE	Activate command operation centers (e.g., Emergency Operations Centers (EOC), Damage Control Centrals (DCC), Region Operations Centers (ROC), Tactical Operations Centers (TOC), etc.)
E7	CORE	Advise commanders on implementation of the Standing Rules for the Use of Force (SRUF)
E7	NON-CORE	Brief Commander and Antiterrorism (AT) board on Force Protection Conditions (FPCON) changes
E5	CORE	Brief forces on implementation of the Standing Rules for the Use of Force (SRUF)
E6	NON-CORE	Conduct Antiterrorism (AT) risk assessments (i.e., criticality, vulnerability, threat)
E7	CORE	Coordinate inter-agency responses
E7	CORE	Develop Antiterrorism (AT) plans
E7	CORE	Develop Force Protection Conditions (FPCON) measures action matrices
E6	CORE	Develop mission-specific security plans in accordance with mission sets (e.g., In-Port Security Plan (ISP), Ground Forces Security Plan (GFSP), Air Field Security Plan (AFSP), etc.)
E4	CORE	Employ security equipment (e.g., Long-Range Acoustic Device (LRADs), flares, laser system, Counter Unmanned Aerial System (UAS), Night Vision Goggles (NVG), etc.)
E7	CORE	Establish Access Control Points (ACP)/Entry Control Points (ECP)
E7	CORE	Evaluate Navy Security Force (NSF) training program
E7	CORE	Evaluate need for modification to Antiterrorism (AT) posture
E6	CORE	Implement Force Protection Conditions (FPCON) measures, actions, and changes
E7	CORE	Implement Random Antiterrorism Measures (RAM)
E6	CORE	Manage access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))
E7	CORE	Manage Antiterrorism (AT) programs
E6	CORE	Manage Antiterrorism Tactical Watch Officer (ATTWO) programs
E7	CORE	Manage Antiterrorism Training Teams (ATTT)

ANTITERRORISM (AT) (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage security personnel and resources in command operation centers (e.g., Emergency Operations Centers (EOC), Damage Control Centrals (DCC), Region Operations Centers (ROC), Tactical Operations Centers (TOC), etc.)
E4	CORE	Perform bloodborne pathogens prevention procedures
E5	CORE	Perform Command and Control (C2) functions
E4	CORE	Perform Crew-Served Weapons (CSW) turnovers
E4	CORE	Perform equipment pre-operational/post-operational checks (e.g., vehicle, craft, night vision devices, etc.)
E4	CORE	Perform radio communications
E4	CORE	Perform self and equipment decontamination (e.g., cleaning, disinfection, sterilization, etc.)
E6	CORE	Plan multiple asset protection missions
E4	CORE	Respond to terrorist incidents in accordance with Pre-Planned Responses (PPR)
E5	CORE	Supervise access control (i.e., Access Control Points (ACP)/Entry Control Points (ECP))
E6	CORE	Supervise Antiterrorism (AT) programs
E4	CORE	Supervise contraband or access inspections (e.g., vehicle, craft, personnel, baggage, etc.)
E6	CORE	Supervise fixed posts and mobile patrols
E5	CORE	Supervise implementation of Pre-Planned Responses (PPR)
E5	CORE	Supervise security post rotations and turnovers (e.g., Navy Security Force (NSF), Auxiliary Security Force (ASF), In-Port Security Force (ISF), etc.)

LAW ENFORCEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Administer first aid as first responder (e.g., Basic Life Support (BLS), Automated External Defibrillator (AED) procedures, Tactical Combat Casualty Care (TCCC), etc.)
E4	CORE	Administer Standardized Field Sobriety Tests (SFST)
E7	CORE	Advise commanders on implementation of Federal Emergency Management Agency (FEMA) Incident Command Systems (ICS) structure
E4	CORE	Apply ethical reasoning to policing
E4	CORE	Apply federal law and constitutional requirements to policing activities
E6	CORE	Facilitate interoperability between Navy Security Forces (NSF) and external civilian, federal, and Department of Defense (DoD)
E4	CORE	Mitigate effects of critical incident stress
E5	CORE	Perform Criminal Justice (CJ) reporting procedures (i.e., eGuardian, fingerprint submission, Combined Deoxyribonucleic Acid (DNA) Index Systems (CODIS))
E4	NON-CORE	Perform crowd control procedures
E4	CORE	Prepare for courtroom testimony
E4	CORE	Process fingerprints and Deoxyribonucleic Acid (DNA)
E4	CORE	Provide testimonies for official proceedings
E5	CORE	Supervise evidence processing

LAW ENFORCEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Supervise searches (e.g., personnel, vehicle, vessel, facility, etc.)
E4	CORE	Utilize security reports and documents (e.g., incident reports, desk journals, communications logs, Law Enforcement (LE) documents, physical security documents, etc.)

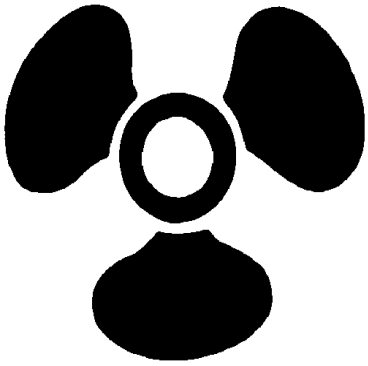
NAVY SECURITY FORCES (NSF) TRAINING

Paygrade	Task Type	Task Statements
E5	CORE	Conduct emergency vehicle operator training
E5	NON-CORE	Conduct Standard Compliance Course (SCC) training
E5	NON-CORE	Conduct sustainment training
E5	NON-CORE	Customize Navy Security Force (NSF) instructor and trainee guides
E5	NON-CORE	Develop drill and exercise materials (e.g., packages, guides, etc.)
E6	NON-CORE	Develop Navy Security Force (NSF) lesson plans
E5	NON-CORE	Develop qualification testing materials
E5	NON-CORE	Evaluate personnel during training, drills, and exercises
E5	CORE	Maintain individual Navy Security Force (NSF) training records
E5	NON-CORE	Manage Crew Served Weapons (CSW) programs
E7	NON-CORE	Manage Navy Security Force (NSF) qualification program
E6	NON-CORE	Manage Navy Security Force (NSF) training programs
E6	NON-CORE	Manage Non-Lethal Weapons (NLW) programs
E6	NON-CORE	Manage small arms weapons programs
E6	NON-CORE	Manage Standard Compliance Course (SCC) programs
E5	NON-CORE	Manage training records management programs
E4	NON-CORE	Perform as a decoy for Military Working Dog (MWD) training
E4	NON-CORE	Perform Man Overboard (MOB) evolutions
E5	NON-CORE	Perform small arms training
E5	CORE	Train personnel during drills and exercises

PHYSICAL SECURITY

Paygrade	Task Type	Task Statements
E5	NON-CORE	Develop loss prevention plans and procedures
E7	NON-CORE	Develop physical security plans
E6	NON-CORE	Implement unit barrier plans
E7	CORE	Implement use of compensatory security measures
E7	CORE	Perform technical review of physical security plans
E6	NON-CORE	Perform technical review of physical security surveys
E6	CORE	Plan static/mobile Mission Essential Vulnerable Assets (MEVA) or High Value Assets (HVA) missions

CHAPTER 51



MACHINIST'S MATE (MM)

NAVPERS 18068F-51I
Change 100

Updated: October 2024

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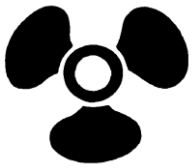
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

MACHINIST'S MATE (MM)



SCOPE OF RATING

Machinist's Mates (MM) operate, maintain, and repair (organizational and intermediate level) ship propulsion machinery, auxiliary equipment, and outside machinery, such as: steering gear engine, hoisting machinery, food preparation equipment, refrigeration and air conditioning equipment, windlasses, elevators, and laundry equipment; operate and maintain (organizational and intermediate level) marine boilers, pumps, forced draft blowers, and heat exchangers; perform tests, transfers, and inventory of lubricating oils, fuels, and water; maintain records and reports; and generate and stow industrial gases.

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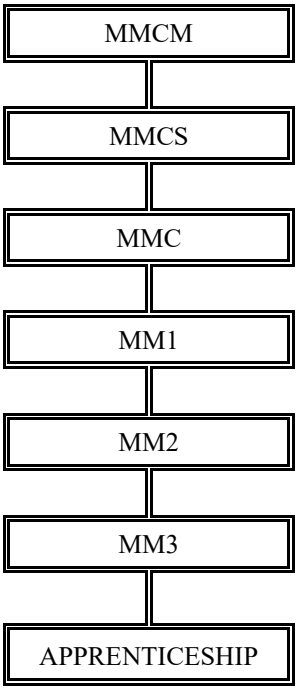
This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) In Chapter 51.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Propulsion Plant and Auxiliary Systems Maintainer 003005

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	PROPU PLANT/AUX SYS MAINTAINER	PROPU SYS MAIN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MM	NEC UXXX and 7XXX series and other NECs as assigned

Job Description

Propulsion Plant and Auxiliary Systems Maintainers operate and maintain steam turbines and reduction gears used for ship propulsion and auxiliary machinery such as turbo-generators, pumps, and oil purifiers; maintain auxiliary machinery outside of main machinery spaces, such as electro-hydraulic steering gears, elevators, refrigeration plants, air conditioning systems, desalinization plants (distilling plants), and compressed gas producing plants; align piping systems for oil, water, air, and steam; control the operation of ship boilers and steam turbines used for ship propulsion and service systems; control operation of turbo-generators used to produce electrical power; clean, adjust, test, and perform other preventive maintenance on the ship's boilers, main engines, turbo-generators and other auxiliary machinery including steering engines, elevators, winches, pumps, and associated valves; operate and maintain desalinization plants; maintain refrigeration plants, air conditioning systems, and galley equipment; repair or replace valves, pumps, heat exchangers, compressors, steam turbines, and hydraulic or pneumatic control devices; make entries in and analyze machinery operating records and reports; and work under the supervision of a manager while learning the Propulsion Plant and Auxiliary Systems Maintainer trade and skill.

DoD Relationship

Group Title	*DoD Code*
Other Mechanical and Electrical Equipment, General	169000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Maintenance Workers, Machinery	49-9043.00	Installation, Maintenance, and Repair

Skills	Abilities
Troubleshooting	*Written Comprehension*
Systems Analysis	*Selective Attention*
Operation and Control	*Control Precision*
Judgment and Decision Making	*Information Ordering*
Systems Evaluation	*Manual Dexterity*
Equipment Maintenance	*Flexibility of Closure*
Quality Control Analysis	*Number Facility*
Equipment Selection	*Problem Sensitivity*
Management of Material Resources	*Visual Color Discrimination*
Reading Comprehension	*Arm-Hand Steadiness*

LABORATORY MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Align boiler layups
E4	CORE	Conduct salinity and conductivity indicator comparison tests
E4	CORE	Inventory oil lab test equipment and chemicals
E4	CORE	Prepare fuel, oil, and water reports
E4	CORE	Prepare reagents and chemicals
E4	CORE	Test feedwater
E4	CORE	Test Fuel Oil (FO) and Lube Oil (LO)

MECHANICAL SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Fabricate sealing gaskets
E5	CORE	Inspect flange shields
E4	CORE	Repair air casings
E4	CORE	Repair air compressors system components
E4	CORE	Repair air conditioning system components
E4	CORE	Repair air dryer system components
E4	CORE	Repair air ejector system components
E4	CORE	Repair air system components
E4	NON-CORE	Repair aircraft hangar doors
E4	CORE	Repair anchor windlasses system components
E4	CORE	Repair auxiliary cooling water systems components
E4	CORE	Repair auxiliary exhaust system components
E4	CORE	Repair auxiliary seawater circulating system components
E4	CORE	Repair auxiliary steam system components
E4	CORE	Repair ballasting and de-ballasting systems
E4	CORE	Repair bilge and stripping pump components
E4	CORE	Repair bilge and tank stripping system components
E4	CORE	Repair blowdown system components
E4	CORE	Repair boat davit system components
E4	CORE	Repair bow and stern ramp and door machinery components
E4	CORE	Repair capstan equipment components
E4	CORE	Repair catapult system components
E4	CORE	Repair chill water systems
E4	CORE	Repair condensate system pumps
E4	CORE	Repair conveyor system components
E4	CORE	Repair crane equipment components
E4	CORE	Repair Deaerating Feedwater Tanks (DFT)
E4	CORE	Repair diaphragm control valves
E4	CORE	Repair distillate transfer systems components
E4	CORE	Repair distilling plants components
E4	CORE	Repair dumbwaiter equipment components
E4	CORE	Repair elevator systems components
E4	CORE	Repair emergency feed pump system components
E4	CORE	Repair emergency shutdown equipment components

MECHANICAL SYSTEMS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair engine air system components
E4	CORE	Repair evaporator injection systems (i.e., AMEROYAL)
E4	CORE	Repair fasteners
E4	CORE	Repair feed booster pumps
E4	CORE	Repair Feedwater Control (FWC) system components
E4	CORE	Repair fire and flushing pump components
E4	CORE	Repair firemain system components
E4	CORE	Repair flange shields
E4	CORE	Repair Forced Draft Blower (FDB) components
E4	CORE	Repair Fresh Water Drain Collecting Tank (FWDCT) pump components
E4	CORE	Repair fresh water drain system components
E4	CORE	Repair Fuel Oil (FO) compensating system components
E4	CORE	Repair Fuel Oil (FO) purifier system components
E4	CORE	Repair Fuel Oil (FO) quick closing valve components
E4	CORE	Repair Fuel Oil (FO) service pumps components
E4	CORE	Repair Fuel Oil (FO) transfer system components
E4	CORE	Repair galley equipment components
E4	CORE	Repair gland seal components
E4	CORE	Repair heat exchangers components
E4	CORE	Repair heating system components
E4	CORE	Repair hydraulic cargo hatch cover equipment components
E4	CORE	Repair hydraulic system components
E4	CORE	Repair hydrostatic test pumps components
E4	CORE	Repair jacking gear components
E4	CORE	Repair laundry equipment components
E4	CORE	Repair line shaft bearings components
E4	CORE	Repair Low Pressure (LP) steam drain system components
E4	CORE	Repair Lube Oil (LO) service pump components
E4	CORE	Repair Lube Oil (LO) transfer system components
E4	CORE	Repair main boiler components
E4	CORE	Repair main circulating pump components
E4	CORE	Repair main drain system components
E4	CORE	Repair main feed pump components
E4	CORE	Repair main feed system components

MECHANICAL SYSTEMS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair main Lube Oil (LO) system components
E4	CORE	Repair mechanical and hydraulic steering gear system components
E4	CORE	Repair mess deck equipment components
E4	CORE	Repair monorail equipment components
E4	CORE	Repair oil and water separator system components
E4	CORE	Repair oil purification system components
E4	CORE	Repair oily waste water system components
E4	CORE	Repair piping system components
E4	CORE	Repair potable water brominators
E4	CORE	Repair potable water pump components
E4	CORE	Repair potable water systems
E4	CORE	Repair reducing station components
E4	CORE	Repair refrigerant recovery unit components
E4	CORE	Repair refrigeration system components
E4	CORE	Repair scullery equipment components
E4	CORE	Repair Ship's Service Turbine Generators (SSTG) components
E4	CORE	Repair ship's whistle components
E4	NON-CORE	Repair small boat mechanical components
E4	CORE	Repair stern tube components
E4	CORE	Repair system pump components
E4	CORE	Repair system valve components
E4	CORE	Repair trash room disposal and processing equipment components
E4	CORE	Repair water heater components
E4	CORE	Repair winch equipment components
E4	CORE	Replace flexible couplings

MECHANICAL SYSTEMS OPERATION

Paygrade	Task Type	Task Statements
E4	CORE	Control operations of air compressors
E4	CORE	Control operations of air conditioning systems
E4	CORE	Control operations of air dryer systems
E4	CORE	Control operations of air ejector systems
E4	CORE	Control operations of air systems
E4	NON-CORE	Control operations of aircraft hangar doors
E4	CORE	Control operations of anchor windlasses systems
E4	CORE	Control operations of auxiliary cooling water systems
E4	CORE	Control operations of auxiliary exhaust systems
E4	CORE	Control operations of auxiliary steam systems
E4	CORE	Control operations of bilge and stripping pumps
E4	CORE	Control operations of bilge and tank stripping systems
E4	CORE	Control operations of boat davit systems
E4	CORE	Control operations of bow and stern ramp and door machinery systems
E4	CORE	Control operations of capstan equipment
E4	CORE	Control operations of catapult systems
E4	CORE	Control operations of condensate systems
E4	CORE	Control operations of conveyor systems
E4	CORE	Control operations of crane equipment
E4	CORE	Control operations of diaphragm control valves
E4	CORE	Control operations of distillate transfer systems
E4	CORE	Control operations of distilling plants
E4	CORE	Control operations of dumbwaiter equipment
E4	CORE	Control operations of elevator systems
E4	CORE	Control operations of emergency feed pump systems
E4	CORE	Control operations of emergency shutdown equipment
E4	CORE	Control operations of engine air systems
E4	CORE	Control operations of evaporator injection systems (i.e., AMEROYAL)
E4	CORE	Control operations of Feedwater Control (FWC) systems
E4	CORE	Control operations of Forced Draft Blower (FDB)
E4	CORE	Control operations of fresh water drain systems
E4	CORE	Control operations of Fuel Oil (FO) purifier systems
E4	CORE	Control operations of Fuel Oil (FO) quick closing valves
E4	CORE	Control operations of Fuel Oil (FO) service pumps

MECHANICAL SYSTEMS OPERATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Control operations of Fuel Oil (FO) transfer systems
E4	CORE	Control operations of galley equipment
E4	CORE	Control operations of gland seal systems
E4	CORE	Control operations of heat exchangers
E4	CORE	Control operations of heating systems
E4	CORE	Control operations of hydraulic cargo hatch covers
E4	CORE	Control operations of hydraulic systems
E4	CORE	Control operations of hydrostatic test pump
E4	CORE	Control operations of jacking gear
E4	CORE	Control operations of laundry equipment
E4	CORE	Control operations of line shaft bearings
E4	CORE	Control operations of Low Pressure (LP) steam drain systems
E4	CORE	Control operations of Lube Oil (LO) service pumps
E4	CORE	Control operations of Lube Oil (LO) transfer systems
E4	CORE	Control operations of main boilers
E4	CORE	Control operations of main circulating pumps
E4	CORE	Control operations of main drain systems
E4	CORE	Control operations of main feed pumps
E4	CORE	Control operations of main feed systems
E4	CORE	Control operations of main Lube Oil (LO) systems
E4	CORE	Control operations of mechanical and hydraulic steering gear systems
E4	CORE	Control operations of mess deck equipment
E4	CORE	Control operations of monorail equipment
E4	CORE	Control operations of oil purification systems
E4	CORE	Control operations of piping systems
E4	CORE	Control operations of potable water brominators
E4	CORE	Control operations of potable water pumps
E4	CORE	Control operations of potable water systems
E4	CORE	Control operations of reducing stations
E4	CORE	Control operations of refrigeration systems
E4	CORE	Control operations of scullery equipment
E4	CORE	Control operations of Ship's Service Turbine Generators (SSTG)
E4	CORE	Control operations of stern tube components
E4	CORE	Control operations of system pumps

MECHANICAL SYSTEMS OPERATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Control operations of system valves
E4	CORE	Control operations of trash room disposal and processing equipment
E4	CORE	Control operations of ventilation systems
E4	CORE	Control operations of water heaters
E4	CORE	Control operations of winch equipment
E4	CORE	Control operations on auxiliary seawater circulating systems
E4	CORE	Control operations on ballasting and de-ballasting systems
E4	CORE	Control operations on blowdown systems
E4	CORE	Control operations on chill water systems
E4	CORE	Control operations on fire and flushing pumps
E4	CORE	Control operations on Fresh Water Drain Collecting Tank (FWDCT) pumps
E4	CORE	Control operations on main feed booster pumps
E4	CORE	Control operations on oil and water separator systems
E4	CORE	Control operations on oily waste water systems
E4	CORE	Draw fluid samples
E4	CORE	Inspect fluid samples
E4	CORE	Prepare continuous treatment solutions

Job Title **Job Code**

Propulsion Plant and Auxiliary Systems Technician 003177

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	PROPU PLANT/AUX SYS TECHNICIAN	PROPU SYS TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MM	NEC UXXX and 7XXX series and other NECs as assigned

Job Description

Propulsion Plant and Auxiliary System Technicians operate and maintain steam turbines and reduction gears used for ship propulsion and auxiliary machinery, such as turbo-generators, pumps, and oil purifiers; maintain auxiliary machinery outside of main machinery spaces, such as electro-hydraulic gears, refrigeration plants, air conditioning systems, desalinization plants (distilling plants), and compressed gas producing plants; align piping systems for oil, water, air, and steam; control the operation of ship boilers and steam turbines used for ship propulsion and service systems; control operation of turbo-generators used to produce electrical power; clean, adjust, test, and perform other preventive maintenance on a ship's boilers, main engines, turbo-generators, and other auxiliary machinery including steering engines, elevators, winches, pumps and associated valves; operate and maintain desalinization plants; maintain refrigeration plants, air conditioning systems, and galley equipment; repair or replace valves, pumps, heat exchangers, compressors, steam turbines, and hydraulic or pneumatic control devices; make entries in and analyze machinery operating records and reports; work independently; and supervise/mentor Propulsion Plant and Auxiliary Maintainers.

DoD Relationship

Group Title	*DoD Code*
Main Propulsion	165100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Maintenance and Repair Workers, General	49-9071.00	Installation, Maintenance, and Repair

Skills

Equipment Selection
Repairing
Operation and Control
Judgment and Decision Making
Operation Monitoring
Systems Evaluation
Equipment Maintenance
Management of Material Resources
Monitoring
Quality Control Analysis

Abilities

Flexibility of Closure
Inductive Reasoning
Written Comprehension
Selective Attention
Information Ordering
Problem Sensitivity
Written Expression
Manual Dexterity

LABORATORY MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Align boiler layups
E5	NON-CORE	Conduct spill containments and clean-ups

MECHANICAL SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E5	CORE	Inspect boiler sprayer plates
E5	CORE	Inspect fasteners
E4	CORE	Repair air register assemblies
E5	CORE	Repair boiler firesides
E5	CORE	Repair boiler fronts
E5	CORE	Repair boiler internal fittings
E5	CORE	Repair boiler sliding feet
E5	CORE	Repair boiler watersides
E5	CORE	Repair burner Safety Shut-off Devices (SSD)
E6	CORE	Repair machinery speed limiting devices
E5	CORE	Repair safety valves

MECHANICAL SYSTEMS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Repair soot blower components
E5	CORE	Repair steam smothering systems
E5	CORE	Troubleshoot air compressors systems
E5	CORE	Troubleshoot air conditioning systems
E5	CORE	Troubleshoot air dryer systems
E5	CORE	Troubleshoot air ejector systems
E5	CORE	Troubleshoot air systems
E5	NON-CORE	Troubleshoot aircraft hangar doors
E5	CORE	Troubleshoot anchor windlasses systems
E5	CORE	Troubleshoot auxiliary cooling water systems
E5	CORE	Troubleshoot auxiliary exhaust systems
E5	CORE	Troubleshoot auxiliary seawater circulating systems
E5	CORE	Troubleshoot auxiliary steam systems
E5	CORE	Troubleshoot ballasting and de-ballasting systems
E5	CORE	Troubleshoot bilge and stripping pump systems
E5	CORE	Troubleshoot bilge and tank stripping systems
E5	CORE	Troubleshoot blowdown systems
E5	CORE	Troubleshoot boat davit systems
E5	CORE	Troubleshoot bow and stern ramp and door machinery systems
E5	CORE	Troubleshoot capstan equipment
E5	CORE	Troubleshoot catapult systems
E5	CORE	Troubleshoot chill water systems
E5	CORE	Troubleshoot condensate systems
E5	CORE	Troubleshoot conveyor systems
E5	CORE	Troubleshoot crane equipment
E5	CORE	Troubleshoot diaphragm control valves
E5	CORE	Troubleshoot distillate transfer systems
E5	CORE	Troubleshoot distilling plants
E5	CORE	Troubleshoot dumbwaiter equipment
E5	CORE	Troubleshoot elevator systems
E5	CORE	Troubleshoot emergency feed pump systems
E5	CORE	Troubleshoot emergency shutdown equipment
E5	CORE	Troubleshoot engine air systems
E5	CORE	Troubleshoot evaporator injection systems (i.e., AMEROYAL)

MECHANICAL SYSTEMS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Troubleshoot Feedwater Control (FWC) systems
E5	CORE	Troubleshoot fire and flushing pumps
E5	CORE	Troubleshoot Forced Draft Blowers (FDB)
E5	CORE	Troubleshoot Fresh Water Drain Collecting Tank (FWDCT) pumps
E5	CORE	Troubleshoot fresh water drain systems
E5	CORE	Troubleshoot Fuel Oil (FO) compensating system
E5	CORE	Troubleshoot Fuel Oil (FO) fuel oil service pumps
E5	CORE	Troubleshoot Fuel Oil (FO) purifier systems
E5	CORE	Troubleshoot Fuel Oil (FO) quick closing valves
E5	CORE	Troubleshoot Fuel Oil (FO) transfer systems
E5	CORE	Troubleshoot galley equipment
E5	CORE	Troubleshoot gland seals
E5	CORE	Troubleshoot heat exchangers
E5	CORE	Troubleshoot heating systems
E5	CORE	Troubleshoot hydraulic cargo hatch cover equipment
E5	CORE	Troubleshoot hydraulic systems
E5	CORE	Troubleshoot hydrostatic test pumps
E5	CORE	Troubleshoot jacking gears
E5	CORE	Troubleshoot laundry equipment
E5	CORE	Troubleshoot line shaft bearings
E5	CORE	Troubleshoot Low Pressure (LP) steam drain systems
E5	CORE	Troubleshoot Lube Oil (LO) service pumps
E5	CORE	Troubleshoot Lube Oil (LO) transfer systems
E6	CORE	Troubleshoot machinery speed limiting devices
E5	CORE	Troubleshoot main boilers
E5	CORE	Troubleshoot main circulating pumps
E5	CORE	Troubleshoot main drain systems
E5	CORE	Troubleshoot main feed booster pumps
E5	CORE	Troubleshoot main feed pumps
E5	CORE	Troubleshoot main feed systems
E5	CORE	Troubleshoot main Lube Oil (LO) systems
E5	CORE	Troubleshoot mechanical and hydraulic steering gear systems
E5	CORE	Troubleshoot mess deck equipment
E5	CORE	Troubleshoot monorail equipment

MECHANICAL SYSTEMS MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Troubleshoot oil and water separator systems
E5	CORE	Troubleshoot oil purification systems
E5	CORE	Troubleshoot oily waste water systems
E5	CORE	Troubleshoot piping systems
E5	CORE	Troubleshoot potable water brominators
E5	CORE	Troubleshoot potable water pumps
E5	CORE	Troubleshoot potable water systems
E5	CORE	Troubleshoot reducing stations
E5	CORE	Troubleshoot refrigerant recovery units
E5	CORE	Troubleshoot refrigeration systems
E5	CORE	Troubleshoot scullery equipment
E5	CORE	Troubleshoot Ship's Service Turbine Generator (SSTG) systems
E5	CORE	Troubleshoot ship's whistles
E5	NON-CORE	Troubleshoot small boat mechanical components
E5	CORE	Troubleshoot stern tube components
E5	CORE	Troubleshoot system pumps
E5	CORE	Troubleshoot system valves
E5	CORE	Troubleshoot trash room disposal and processing equipment
E5	CORE	Troubleshoot water heaters
E5	CORE	Troubleshoot winch equipment

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Prepare Quality Assurance (QA) repair forms
E5	CORE	Update Quality Assurance (QA) repair forms

Job Title **Job Code**

Propulsion Plant and Auxiliary Systems Manager 003651

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	PROPU PLANT/AUX SYS MANAGER	PROPU SYS MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MM	NEC UXXX and 7XXX series and other NECs as assigned

Job Description

Propulsion Plant Auxiliary Systems Managers operate and maintain steam turbines and reduction gears used for ship propulsion and auxiliary machinery, such as turbo-generators, pumps, and oil purifiers; maintain auxiliary machinery outside of main machinery spaces, such as electro-hydraulic gears. refrigeration plants, air conditioning systems, desalinization plants (distilling plants), and compressed gas producing plants; align piping systems for oil, water, air, and steam; control the operation of ship boilers and steam turbines used for ship propulsion and service systems; control operation of turbo-generators used to produce electrical power; clean, adjust, test, and perform other preventive maintenance on a ship's boilers, main engines, turbo-generators and other auxiliary machinery including steering engines, elevators, winches, pumps, and associated valves; operate and maintain desalinization plants; maintain refrigeration plants, air conditioning systems, and galley equipment; repair or replace valves, pumps, heat exchangers, compressors, steam turbines, and hydraulic or pneumatic control devices; make entries in and analyze machinery operating records and reports; manage Propulsion Plant and Auxiliary Systems Operations; and supervise and mentor Propulsion Plant and Auxiliary Systems Technicians and Maintainers to master the Propulsion Plant and Auxiliary Systems Operations trade and skills.

DoD Relationship

Group Title	*DoD Code*
Main Propulsion	165100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	49-1011.00	Installation, Maintenance, and Repair

Skills	Abilities
Operation and Control	*Flexibility of Closure*
Judgment and Decision Making	*Problem Sensitivity*
Equipment Selection	*Written Comprehension*
Systems Evaluation	*Information Ordering*
Equipment Maintenance	*Selective Attention*
Repairing	*Oral Expression*
Troubleshooting	*Deductive Reasoning*
Critical Thinking	*Inductive Reasoning*
Management of Material Resources	*Mathematical Reasoning*
Management of Personnel Resources	*Number Facility*

ENGINEERING MANAGEMENT

Paygrade	Task Type	Task Statements
E7	CORE	Conduct preliminary closeout inspections
E6	CORE	Coordinate boiler flexibility tests
E7	CORE	Coordinate full power and economy trials
E6	CORE	Coordinate propulsion plant operations
E7	CORE	Evaluate engineering management programs
E6	CORE	Evaluate equipment capabilities and performances
E7	CORE	Review Boiler Inspection and Repair Management Information Systems (BIRMIS) reports
E7	CORE	Review Steam Catapult Inspection and Repair Management Information Systems (SCIRMIS) reports
E7	CORE	Verify ship's trial reports

LABORATORY MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Align boiler layups
E7	NON-CORE	Coordinate spill containments and clean-ups
E6	CORE	Estimate fuel, oil, and water requirements

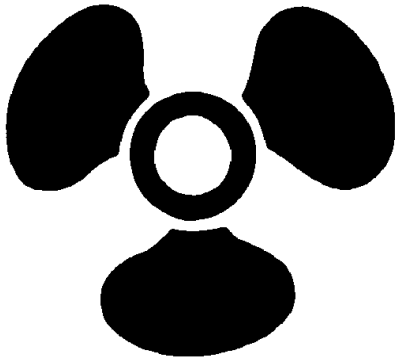
MECHANICAL SYSTEMS MAINTENANCE

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate Main Reduction Gear (MRG) inspections
E6	CORE	Inspect air casings
E6	CORE	Inspect air register assemblies
E7	CORE	Inspect boiler firesides
E6	CORE	Inspect boiler fronts
E7	CORE	Inspect boiler internal fittings
E6	CORE	Inspect boiler sliding feet
E6	CORE	Inspect boiler structural components
E7	CORE	Inspect boiler watersides
E6	CORE	Inspect burner Safety Shut-off Devices (SSD)
E6	CORE	Inspect Deaerating Feedwater Tanks (DFT)
E6	CORE	Inspect manhole and hand-hole seat gasket
E7	CORE	Inspect potable water tank
E7	CORE	Inspect safety valves
E6	CORE	Inspect soot blower
E6	CORE	Inspect steam smothering systems

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Approve Quality Assurance (QA) repair forms
E6	CORE	Review Quality Assurance (QA) repair forms
E6	CORE	Validate Engineering Operational Sequencing System (EOSS) manuals
E7	CORE	Verify ship's systems technical drawings

CHAPTER 51



MACHINIST'S MATE, NON-NUCLEAR, SUBMARINE AUXILIARY (MMA)

NAVPERS 18068F-51H
Change 96

Updated: October 2023

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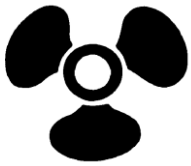
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

MACHINIST'S MATE, NON-NUCLEAR, SUBMARINE AUXILIARY (MMA)



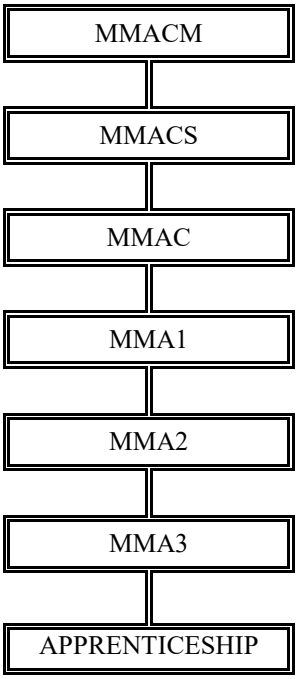
SCOPE OF RATING

Machinist's Mate, Non-Nuclear, Submarine Auxiliary (MMA) operate, maintain, and repair (at the organizational and intermediate level) damage control equipment and systems, internal combustion diesel engines and diesel engine support systems, hydraulic systems, atmosphere control and oxygen-generating equipment, refrigeration systems, compressed air and gas systems, potable water system, seawater systems, and sanitary and plumbing systems.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 51.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Auxiliary Equipment Technician 001519

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	AUXILIARY EQUIPMENT TECHNICIAN	AUX EQUIP TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MMA	NEC QXXX and 7XXX series and other NECs as assigned

Job Description

Auxiliary Equipment Technicians perform organizational and intermediate maintenance, repair, and troubleshooting; conduct advanced systems operations of hydraulic power plants and hydraulic system components, emergency diesel engines, compressed gas systems (e.g., air, oxygen, hydrogen, and nitrogen), sanitation systems, seawater systems, freshwater systems, oxygen-generating equipment, atmosphere control equipment, and submarine salvage equipment (e.g., watertight hatches and doors); and supervise operations and maintenance performed by Auxiliary Equipment Operators.

DoD Relationship

Group Title	*DoD Code*
Auxiliary Equipment Technician	162000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Maintenance and Repair Workers, General	49-9071.00	Installation, Maintenance, and Repair

Skills	Abilities
Equipment Maintenance	*Manual Dexterity*
Operation and Control	*Problem Sensitivity*
Operation Monitoring	*Written Comprehension*
Troubleshooting	*Deductive Reasoning*
Repairing	*Multi-limb Coordination*
Quality Control Analysis	*Control Precision*
Systems Evaluation	*Inductive Reasoning*
Management of Material Resources	*Information Ordering*
Reading Comprehension	*UNASSIGNED*
Monitoring	*UNASSIGNED*

MECHANICAL MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Lubricate components
E4	CORE	Maintain air system components
E4	CORE	Maintain atmosphere control equipment
E4	CORE	Maintain auxiliary drain systems
E4	CORE	Maintain damage control equipment
E4	CORE	Maintain demineralized water systems
E4	CORE	Maintain depth sensing systems
E5	CORE	Maintain diesel engine support systems
E5	CORE	Maintain diesel engines
E4	CORE	Maintain drain systems
E5	NON-CORE	Maintain dry deck shelter systems
E4	CORE	Maintain escape trunks
E4	CORE	Maintain fresh water cooling systems
E4	CORE	Maintain habitability systems
E4	CORE	Maintain hydraulic system components
E4	CORE	Maintain oxygen and nitrogen systems
E5	CORE	Maintain oxygen-generating equipment

MECHANICAL MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain potable water system components
E4	CORE	Maintain refrigeration system components
E4	CORE	Maintain salvage components
E4	CORE	Maintain shipboard valves
E4	CORE	Maintain ship's service hydraulic plants
E4	CORE	Maintain steering and diving control systems
E4	CORE	Maintain steering and diving hydraulic plants
E4	CORE	Maintain submarine lubrication system
E4	CORE	Maintain trim system components
E4	CORE	Maintain variable ballast system components
E4	CORE	Maintain ventilation system components
E4	CORE	Maintain watertight doors and hatches
E4	CORE	Perform diagnostic equipment calibration
E4	CORE	Repair air system components
E5	CORE	Repair atmosphere control equipment
E4	CORE	Repair auxiliary drain system components
E4	CORE	Repair damage control equipment
E4	CORE	Repair demineralized water system
E5	CORE	Repair depth sensing system
E5	CORE	Repair diesel engine and support systems
E4	CORE	Repair drain system components
E4	CORE	Repair escape trunks
E4	CORE	Repair fresh water cooling systems
E4	CORE	Repair habitability systems
E4	CORE	Repair hydraulic system components
E5	CORE	Repair main ballasting systems and components
E5	CORE	Repair oxygen and nitrogen systems
E4	CORE	Repair potable water system
E4	CORE	Repair refrigeration systems
E4	CORE	Repair shipboard pumps
E4	CORE	Repair shipboard valves
E5	CORE	Repair steering and diving control systems
E4	CORE	Repair submarine lubrication systems
E4	CORE	Repair trim systems
E4	CORE	Repair ventilation systems
E4	CORE	Repair watertight doors and hatches
E7	CORE	Supervise diesel inspections
E4	CORE	Test watertight doors and hatches
E4	CORE	Troubleshoot air system components

MECHANICAL MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Troubleshoot atmosphere control equipment
E4	CORE	Troubleshoot auxiliary drain system components
E4	CORE	Troubleshoot damage control equipment
E4	CORE	Troubleshoot demineralized water system
E5	CORE	Troubleshoot depth sensing system
E5	CORE	Troubleshoot diesel engine and support systems
E4	CORE	Troubleshoot drain system components
E4	CORE	Troubleshoot escape trunks
E4	CORE	Troubleshoot fresh water cooling systems
E4	CORE	Troubleshoot habitability systems
E4	CORE	Troubleshoot hydraulic system components
E5	CORE	Troubleshoot main ballasting systems and components
E5	CORE	Troubleshoot oxygen and nitrogen systems
E5	CORE	Troubleshoot oxygen-generating equipment
E4	CORE	Troubleshoot potable water system
E4	CORE	Troubleshoot refrigeration systems
E4	CORE	Troubleshoot shipboard pumps
E4	CORE	Troubleshoot shipboard valves
E5	CORE	Troubleshoot steering and diving control systems
E4	CORE	Troubleshoot submarine lubrication systems
E4	CORE	Troubleshoot trim systems
E4	CORE	Troubleshoot ventilation systems

MECHANICAL SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Align air system components
E5	CORE	Align atmosphere control equipment
E4	CORE	Align auxiliary drain systems
E4	CORE	Align depth sensing systems
E4	CORE	Align diesel engine and support systems
E4	CORE	Align drain systems
E5	NON-CORE	Align dry deck shelter systems
E4	CORE	Align external hydraulic plants
E4	CORE	Align fresh water cooling systems
E4	CORE	Align hydraulic system components
E4	CORE	Align main ballasting systems and components
E4	CORE	Align oxygen and nitrogen systems
E5	CORE	Align oxygen-generating equipment
E4	CORE	Align potable water systems
E4	CORE	Align refrigeration system components

MECHANICAL SYSTEMS OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Align refrigeration systems
E4	CORE	Align ships service hydraulic plants
E4	CORE	Align steering and diving control systems
E4	CORE	Align stern diving plants
E4	CORE	Align submarine emergency life support systems
E4	CORE	Align submarine habitability systems
E4	CORE	Align submarine salvage systems
E4	CORE	Align trim systems
E4	CORE	Align ventilation systems
E4	CORE	Maintain shipboard pumps
E4	CORE	Test air system components
E5	CORE	Test atmosphere control equipment
E4	CORE	Test auxiliary drain systems
E4	CORE	Test depth sensing systems
E4	CORE	Test diesel engines and support systems
E4	CORE	Test drain systems
E4	CORE	Test external hydraulic plants
E4	CORE	Test fresh water cooling systems
E4	CORE	Test hydraulic system components
E4	CORE	Test main ballasting systems and components
E4	CORE	Test oxygen and nitrogen systems
E5	CORE	Test oxygen-generating equipment
E4	CORE	Test potable water systems
E4	CORE	Test refrigeration systems
E4	CORE	Test ship's service hydraulic plants
E4	CORE	Test steering and diving control systems
E4	CORE	Test stern diving plants
E4	CORE	Test submarine emergency life support systems
E4	CORE	Test submarine habitability systems
E4	CORE	Test submarine salvage systems
E4	CORE	Test trim systems
E4	CORE	Test ventilation systems

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E5	CORE	Perform Quality Assurance (QA) inspections
E5	NON-CORE	Repair dry deck shelter systems
E5	CORE	Repair oxygen-generating equipment
E4	CORE	Repair salvage components
E5	NON-CORE	Test dry deck shelter systems

QUALITY ASSURANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Troubleshoot dry deck shelter systems
E4	CORE	Troubleshoot salvage components

Job Title **Job Code**

Auxiliary Equipment Operator 001524

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	AUXILIARY EQUIPMENT OPERATOR	AUX EQUIP OPER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MMA	NEC QXXX and 7XXX series and other NECs as assigned

Job Description

Auxiliary Equipment Operators align and perform operations, and basic preventive maintenance of hydraulic power plants and hydraulic system components, emergency diesel engines, compressed gas systems such as air, oxygen, hydrogen, nitrogen, sanitation systems, seawater systems, freshwater systems, submarine firefighting and emergency dewatering and damage control equipment; conduct critical work functions associated with movement of Naval tactical forces, repair and equipment maintenance, enhanced survivability, and rescue and recovery; provide security for operational forces and means; and conduct Naval Special Warfare (NSW).

DoD Relationship

Group Title	*DoD Code*
Auxiliary Equipment Operator	165200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Maintenance and Repair Workers, General	49-9071.00	Installation, Maintenance, and Repair

Skills	Abilities
Operation and Control	*Problem Sensitivity*
Operation Monitoring	*Written Comprehension*
Equipment Maintenance	*Manual Dexterity*
Troubleshooting	*Deductive Reasoning*
Quality Control Analysis	*Multi-limb Coordination*
Systems Evaluation	*Control Precision*
Management of Material Resources	*Information Ordering*
Monitoring	*UNASSIGNED*
UNASSIGNED	*UNASSIGNED*
UNASSIGNED	*UNASSIGNED*

MECHANICAL MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Lubricate components
E4	CORE	Maintain air system components
E4	CORE	Maintain atmosphere control equipment
E4	CORE	Maintain damage control equipment
E4	CORE	Maintain demineralized water systems
E4	CORE	Maintain depth sensing systems
E5	NON-CORE	Maintain dry deck shelter systems
E4	CORE	Maintain escape trunks
E4	CORE	Maintain fresh water cooling systems
E4	CORE	Maintain habitability systems
E5	CORE	Maintain oxygen-generating equipment
E4	CORE	Maintain potable water system components
E4	CORE	Maintain ship's service hydraulic plants
E4	CORE	Maintain steering and diving control systems
E4	CORE	Maintain submarine lubrication system
E4	CORE	Maintain trim system components
E4	CORE	Maintain variable ballast system components

MECHANICAL MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain ventilation system components
E4	CORE	Perform diagnostic equipment calibration
E4	CORE	Test watertight doors and hatches
E4	CORE	Troubleshoot air system components
E5	CORE	Troubleshoot atmosphere control equipment
E4	CORE	Troubleshoot auxiliary drain system components
E4	CORE	Troubleshoot damage control equipment
E4	CORE	Troubleshoot demineralized water system
E5	CORE	Troubleshoot depth sensing system
E5	CORE	Troubleshoot diesel engine and support systems
E4	CORE	Troubleshoot drain system components
E4	CORE	Troubleshoot escape trunks
E4	CORE	Troubleshoot fresh water cooling systems
E4	CORE	Troubleshoot habitability systems
E4	CORE	Troubleshoot hydraulic system components
E5	CORE	Troubleshoot main ballasting systems and components
E5	CORE	Troubleshoot oxygen and nitrogen systems
E5	CORE	Troubleshoot oxygen-generating equipment
E4	CORE	Troubleshoot potable water system
E4	CORE	Troubleshoot refrigeration systems
E4	CORE	Troubleshoot shipboard pumps
E4	CORE	Troubleshoot shipboard valves
E5	CORE	Troubleshoot steering and diving control systems
E4	CORE	Troubleshoot submarine lubrication systems
E4	CORE	Troubleshoot trim systems
E4	CORE	Troubleshoot ventilation systems

MECHANICAL SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Align air system components
E5	CORE	Align atmosphere control equipment
E4	CORE	Align auxiliary drain systems
E4	CORE	Align depth sensing systems
E4	CORE	Align diesel engine and support systems
E4	CORE	Align drain systems
E5	NON-CORE	Align dry deck shelter systems
E4	CORE	Align external hydraulic plants
E4	CORE	Align fresh water cooling systems
E4	CORE	Align hydraulic system components

MECHANICAL SYSTEMS OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Align main ballasting systems and components
E4	CORE	Align oxygen and nitrogen systems
E5	CORE	Align oxygen-generating equipment
E4	CORE	Align potable water systems
E4	CORE	Align refrigeration system components
E4	CORE	Align refrigeration systems
E4	CORE	Align ships service hydraulic plants
E4	CORE	Align steering and diving control systems
E4	CORE	Align stern diving plants
E4	CORE	Align submarine emergency life support systems
E4	CORE	Align submarine habitability systems
E4	CORE	Align submarine salvage systems
E4	CORE	Align trim systems
E4	CORE	Align ventilation systems
E4	CORE	Maintain shipboard pumps
E4	CORE	Test air system components
E5	CORE	Test atmosphere control equipment
E4	CORE	Test auxiliary drain systems
E4	CORE	Test depth sensing systems
E4	CORE	Test diesel engines and support systems
E4	CORE	Test drain systems
E4	CORE	Test external hydraulic plants
E4	CORE	Test fresh water cooling systems
E4	CORE	Test hydraulic system components
E4	CORE	Test main ballasting systems and components
E4	CORE	Test oxygen and nitrogen systems
E5	CORE	Test oxygen-generating equipment
E4	CORE	Test potable water systems
E4	CORE	Test refrigeration systems
E4	CORE	Test ship's service hydraulic plants
E4	CORE	Test steering and diving control systems
E4	CORE	Test stern diving plants
E4	CORE	Test submarine emergency life support systems
E4	CORE	Test submarine habitability systems
E4	CORE	Test submarine salvage systems
E4	CORE	Test trim systems
E4	CORE	Test ventilation systems

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E4	CORE	Perform Quality Assurance (QA) maintenance
E5	NON-CORE	Test dry deck shelter systems
E5	NON-CORE	Troubleshoot dry deck shelter systems
E4	CORE	Troubleshoot salvage components

Job Title **Job Code**

Auxiliary Equipment Manager 001532

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	AUXILIARY EQUIPMENT MANAGER	AUX EQUIP MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MMA	NEC QXXX and 7XXX series and other NECs as assigned

Job Description

Auxiliary Equipment Managers are responsible for the management of auxiliary division operations, administration of Quality Assurance (QA), calibration, Maintenance and Material Management (3-M) programs and for the management of maintenance and repair of hydraulic power plants, hydraulic system components, emergency diesel engines, compressed gas systems (e.g., air, oxygen, hydrogen, and nitrogen), sanitation systems, seawater systems, freshwater systems, oxygen generation equipment, atmosphere control equipment and submarine salvage equipment (e.g., watertight hatches and doors); conduct critical work functions associated with movement of Naval tactical forces, repair, and equipment maintenance, enhanced survivability, and rescue and recovery; provide security for operational forces and means; conduct Naval Special Warfare (NSW); provide personnel and support; and train auxiliary technician and operator personnel.

DoD Relationship

Group Title	*DoD Code*
Auxiliary Equipment Manager	165200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Production and Operating	51-1011.00	Production

Skills	Abilities
Management of Material Resources	*Inductive Reasoning*
Management of Personnel Resources	*Information Ordering*
Coordination	*Oral Expression*
Monitoring	*Written Comprehension*
Equipment Maintenance	*Deductive Reasoning*
Quality Control Analysis	*Problem Sensitivity*
Systems Evaluation	*Written Expression*
Operation Monitoring	*Reaction Time*
Operations Analysis	*Speech Recognition*
UNASSIGNED	*UNASSIGNED*

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	NON-CORE	Approve Maintenance and Material Management (3-M) Program plans
E5	CORE	Direct Maintenance and Material Management (3-M) Program
E5	CORE	Direct material procurement
E7	NON-CORE	Manage Continuing Training and Qualification Software (CTQS) Programs
E5	CORE	Manage diagnostic equipment calibration program
E6	NON-CORE	Manage Maintenance and Material Management (3-M) Program
E5	CORE	Supervise controlled equipment inventories
E6	CORE	Supervise divisional equipment and system configurations
E6	CORE	Supervise divisional maintenance operations
E6	CORE	Supervise equipment installations, testing, and alterations
E6	CORE	Supervise ship's ballasting evolutions
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center system repairs

MECHANICAL MAINTENANCE

Paygrade	Task Type	Task Statements
E6	CORE	Supervise diesel engine repairs
E7	CORE	Supervise diesel inspections
E6	CORE	Supervise hydraulic repairs
E6	CORE	Supervise oxygen-generating plant operation
E7	CORE	Supervise steering and diving control system maintenance

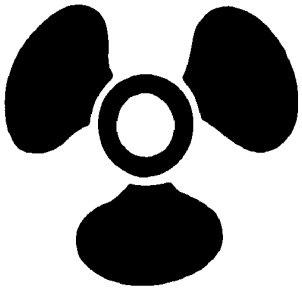
MECHANICAL SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Supervise diesel engine operations
E5	CORE	Supervise habitability and sanitation operations
E6	CORE	Supervise hydraulic system operations
E6	CORE	Supervise oxygen and nitrogen systems maintenance
E6	CORE	Supervise oxygen and nitrogen systems operations

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E5	CORE	Develop Quality Assurance (QA) packages
E4	CORE	Perform Quality Assurance (QA) maintenance
E6	CORE	Review Quality Assurance (QA) packages
E7	CORE	Supervise oxygen-generating plant repairs

CHAPTER 51



MACHINIST'S MATE, NUCLEAR POWER (MMN)

NAVPERS 18068F-51H
Change 107

Updated: July 2026

MACHINIST'S MATE, NUCLEAR POWER (MMN)
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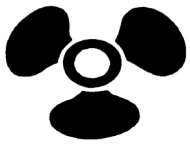
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

MACHINIST'S MATE, NUCLEAR POWER (MMN)



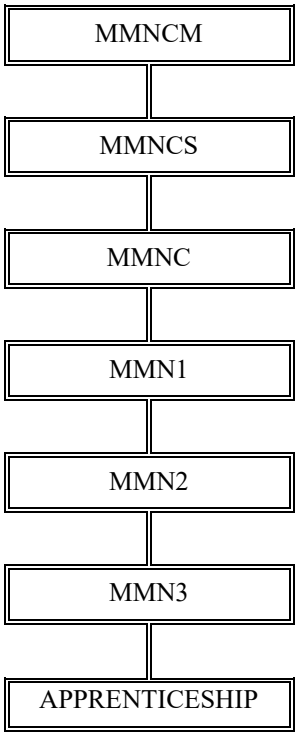
SCOPE OF RATING

Machinist's Mates, Nuclear Power (MMN) operate and maintain Naval nuclear propulsion plants and associated equipment; perform and supervise Naval nuclear propulsion plant operations; apply reactor, electrical, and mechanical theory involved in the operation of the nuclear reactor, steam plant, propulsion plant, and auxiliary equipment; operate and repair systems associated with reactor plants, propulsion plants, and auxiliary support; perform tests, transfers, and inventories of lubricating oils, fuels, and water; and maintain records and reports on both submarine and surface ships.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 51.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Propulsion Plant Mechanical Operator 003781

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	PROPULSION PLANT MECH OP	PPM OPERATOR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MMN	NEC NXXX, 7XXX series and other NECs as assigned

Job Description
Propulsion Plant Mechanical Operators maintain and operate nuclear propulsion plant mechanical systems, support systems, turbines, pumps, and valves; and perform work critical to the movement of Naval tactical and strategic forces.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Nuclear Power	166100	Power Plant Operators	51-8013.00	Production

Skills	Abilities
Quality Control Analysis	*Written Comprehension*
Equipment Maintenance	*Manual Dexterity*
Operation Monitoring	*Problem Sensitivity*
Operation and Control	*Control Precision*
Repairing	*Oral Expression*
Judgment and Decision Making	*Flexibility of Closure*
Systems Analysis	*Information Ordering*
Critical Thinking	*Visual Color Discrimination*
Systems Evaluation	*Visualization*
Coordination	*Written Expression*

LABORATORY MANAGEMENT

Paygrade	Task Type	Task Statements
E4	NON-CORE	Disestablish radiological controls
E4	NON-CORE	Establish radiological controls
E4	CORE	Grant access to radiological controlled areas
E4	CORE	Survey radiological controlled areas

LABORATORY OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze water chemistry samples
E4	CORE	Control water chemistry
E5	NON-CORE	Perform non-routine preventive maintenance on chemistry analysis equipment (i.e., calibration, standardization)
E4	NON-CORE	Perform routine preventive maintenance on chemistry analysis equipment (e.g., clean, inspect, lubricate, etc.)
E4	NON-CORE	Repair chemistry analysis equipment

QUALITY MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Adjust pump packing
E4	CORE	Adjust valve packing
E4	NON-CORE	Calibrate mechanical gauges
E4	NON-CORE	Fabricate emergency repair materials (e.g., drill press, lathe, grinder, etc.)

QUALITY MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Perform non-routine preventive maintenance on air compressors (e.g., overhaul, refinish, refurbish, etc.)
E5	CORE	Perform non-routine preventive maintenance on air condition systems (e.g., overhaul, refinish, refurbish, etc.)
E5	CORE	Perform non-routine preventive maintenance on air systems (e.g., overhaul, adjust reducer set points, perform pressure drop test, etc.)
E5	CORE	Perform non-routine preventive maintenance on bilge and oily water systems (e.g., tank inspections, bearing inspections, suction valve leak checks, etc.)
E5	CORE	Perform non-routine preventive maintenance on condensate and feed systems (e.g., overhaul, refinish, refurbish, etc.)
E5	CORE	Perform non-routine preventive maintenance on demineralized water systems (e.g., resin changeout, strainer cleaning, flow totalizer check, etc.)
E5	CORE	Perform non-routine preventive maintenance on emergency fill systems (e.g., conduct test, install temporary piping, perform flow verification, etc.)
E5	CORE	Perform non-routine preventive maintenance on freshwater cooling systems (e.g., flow balance, packing replacement, cool down lineups, etc.)
E5	CORE	Perform non-routine preventive maintenance on freshwater production units (e.g., membrane replacement, rupture disc replacement, descaling, etc.)
E5	CORE	Perform non-routine preventive maintenance on fuel oil systems (i.e., fuel oil sample, fuel load)
E5	NON-CORE	Perform non-routine preventive maintenance on hydraulic systems
E5	CORE	Perform non-routine preventive maintenance on lube oil purification systems (e.g., lower bushing replacement, tank inspections, suction strainer replacement, etc.)
E5	CORE	Perform non-routine preventive maintenance on lube oil systems (e.g., sump inspections, Back Pressure Regulator (BPR) adjustments, pump alignment checks, etc.)
E5	CORE	Perform non-routine preventive maintenance on non-nuclear systems and components (e.g., freshwater distribution systems, propulsion plant systems, drain systems, etc.)
E5	CORE	Perform non-routine preventive maintenance on nuclear mechanical systems
E5	CORE	Perform non-routine preventive maintenance on potable water systems (e.g., tank inspections, Tank Level Indicator (TLI) calibration, priming pump float valve replacement, etc.)
E5	CORE	Perform non-routine preventive maintenance on seawater cooling systems (e.g., expansion joint inspections, pump performance tests, hull valve adjustment, etc.)
E5	CORE	Perform non-routine preventive maintenance on shaft line components
E5	CORE	Perform non-routine preventive maintenance on shielding systems (e.g., sampling, alarm check, fill, etc.)
E5	CORE	Perform non-routine preventive maintenance on steam generator systems (e.g., leak checks, internal inspections, relief valve testing, etc.)
E5	CORE	Perform non-routine preventive maintenance on steam systems (e.g., Drain Strainer Orifice (DSO) inspections, steam strainer inspections, steam side condenser inspections, etc.)
E5	CORE	Perform non-routine preventive maintenance on water sampling systems

QUALITY MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform routine preventive maintenance on air compressors (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on air condition systems (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on air systems (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on bilge and oily water systems (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on condensate and feed systems (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on demineralized water systems (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on emergency fill systems (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on freshwater cooling systems (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on freshwater production units (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on fuel oil systems (e.g., clean, inspect, lubricate, etc.)
E4	NON-CORE	Perform routine preventive maintenance on hydraulic systems
E4	CORE	Perform routine preventive maintenance on lube oil purification systems (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on lube oil systems (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on non-nuclear systems and components (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on nuclear systems and components (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on potable water systems (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on seawater cooling systems (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on shaft line components (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on shielding systems (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on steam generator systems (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on steam systems (e.g., clean, inspect, lubricate, etc.)
E4	CORE	Perform routine preventive maintenance on water sampling systems (e.g., clean, inspect, lubricate, etc.)
E5	CORE	Repair air compressors

QUALITY MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Repair air condition systems
E5	CORE	Repair air systems
E5	CORE	Repair bilge and oily water systems
E5	CORE	Repair condensate and feed systems
E5	CORE	Repair demineralized water systems
E5	CORE	Repair emergency fill systems
E5	CORE	Repair freshwater cooling systems
E5	CORE	Repair freshwater production units
E5	CORE	Repair fuel oil systems
E5	NON-CORE	Repair hydraulic systems
E5	CORE	Repair lube oil purification systems
E5	CORE	Repair lube oil systems
E5	NON-CORE	Repair machinery repair equipment (e.g., drill press, lathe, grinder, etc.)
E5	CORE	Repair non-nuclear systems and components (e.g., freshwater distribution systems, propulsion plant systems, drain systems, etc.)
E5	CORE	Repair nuclear systems and components
E5	CORE	Repair potable water systems
E5	CORE	Repair seawater cooling systems
E5	CORE	Repair shaft line components
E5	NON-CORE	Repair shielding systems
E5	CORE	Repair steam generation systems
E5	CORE	Repair steam systems
E4	CORE	Repair water sampling systems
E4	CORE	Replace mechanical gauges
E5	CORE	Replace pump packing
E5	CORE	Test non-nuclear systems and components (e.g., freshwater distribution systems, propulsion plant systems, drain systems, etc.)
E5	CORE	Test nuclear systems and components

SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Align air compressors (e.g., startups, shutdowns, normal and casualty operations, etc.)
E4	CORE	Align air condition systems (e.g., startups, shutdowns, normal and casualty operations, etc.)
E4	CORE	Align air systems
E4	CORE	Align bilge and oily water systems (e.g., pumping bilges, overboard discharge, and casualty operations, etc.)
E4	CORE	Align condensate and feed systems (e.g., startups, shutdowns, normal and casualty operations, etc.)

SYSTEMS OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Align demineralized water systems (e.g., startups, shutdowns, tank fills, casualty operations, etc.)
E4	NON-CORE	Align electric plant lineups
E4	CORE	Align emergency fill systems
E4	CORE	Align freshwater cooling systems (e.g., startups, shutdowns, cooling adjustments, normal and casualty operations, etc.)
E4	CORE	Align freshwater production units (e.g., startups, shutdowns, normal and casualty operations, etc.)
E4	CORE	Align fuel oil systems (e.g., startups, shutdowns, normal and casualty operations, etc.)
E4	NON-CORE	Align hydraulic systems for normal and casualty operations
E4	CORE	Align lube oil purification systems (e.g., purifier startups, purifier shutdowns, line ups to purify, etc.)
E4	CORE	Align lube oil systems (e.g., startups, shutdowns, normal, and casualty operations)
E4	CORE	Align non-nuclear systems and components (e.g., startups, shutdowns, normal and casualty operations, etc.)
E4	CORE	Align nuclear systems and components (e.g., startups, shutdowns, normal and casualty operations, etc.)
E4	CORE	Align potable water systems (e.g., startups, shutdowns, normal and casualty operations, etc.)
E4	CORE	Align seawater cooling systems (e.g., startups, shutdowns, cross-connects, normal and casualty operations)
E4	CORE	Align shaft line components (e.g., startups, shutdowns, normal and casualty operations, etc.)
E4	CORE	Align shielding systems (e.g., startups, shutdowns, normal and casualty operations, etc.)
E4	CORE	Align steam generation systems (e.g., startups, shutdowns, samplings, blowdowns, etc.)
E4	CORE	Align steam systems (e.g., startups, shutdowns, cross-connects, normal and casualty operations)
E4	CORE	Align water sampling systems (e.g., startups shutdowns, normal and casualty operations, etc.)
E4	CORE	Analyze plant system and component parameters
E4	CORE	Analyze shutdown reactor plant trends
E4	CORE	Draw lube oil sample
E4	CORE	Interpret electric plant lineups
E4	NON-CORE	Oversee radiological valve operations
E4	CORE	Perform main engine throttle operations
E4	CORE	Perform radiological valve operations

Job Title **Job Code**

Propulsion Plant Mechanical Supervisor 003789

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Life, Physical, and Social Science	TBD	PROPULSION PLANT MECH SUP	PPM SUPERVISOR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MMN	NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Propulsion Plant Mechanical Supervisors perform and supervise advanced mechanical systems operations and perform maintenance on nuclear propulsion plant mechanical systems, support systems, turbines, pumps, and valves; conduct advanced testing and training for personnel assigned to machinery divisions; draft correspondence; develop administrative programs; perform risk management; and perform work critical to the movement of Naval tactical and strategic forces.

DoD Relationship **O*NET Relationship**

Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Nuclear Power	166100	Nuclear Technicians	19-4051.00	Life, Physical, and Social Science

Skills	Abilities
Complex Problem Solving	*Deductive Reasoning*
Troubleshooting	*Inductive Reasoning*
Coordination	*Oral Expression*
Operation Monitoring	*Oral Comprehension*
Equipment Maintenance	*Control Precision*
Management of Personnel Resources	*Manual Dexterity*
Systems Analysis	*Problem Sensitivity*

ENGINEERING MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Supervise propulsion plant maintenance operations (e.g., electrical, mechanical, reactor control, etc.)
E6	CORE	Supervise propulsion plant watch section operations

LABORATORY OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Troubleshoot chemistry analysis equipment

QUALITY MAINTENANCE

Paygrade	Task Type	Task Statements
E6	CORE	Adjust reducing valve set points
E6	CORE	Adjust relief valve set points
E5	CORE	Troubleshoot air compressors
E5	CORE	Troubleshoot air condition systems
E5	CORE	Troubleshoot air systems
E5	CORE	Troubleshoot bilge and oily water systems
E5	CORE	Troubleshoot condensate and feed systems
E5	CORE	Troubleshoot demineralized water systems
E6	CORE	Troubleshoot emergency fill systems
E5	CORE	Troubleshoot freshwater cooling systems

QUALITY MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Troubleshoot freshwater production units
E6	CORE	Troubleshoot fuel oil systems
E6	NON-CORE	Troubleshoot hydraulic systems
E5	CORE	Troubleshoot lube oil purification systems
E5	CORE	Troubleshoot lube oil systems
E6	NON-CORE	Troubleshoot machinery repair equipment (e.g., drill press, lathe, grinder, etc.)
E5	CORE	Troubleshoot non-nuclear systems and components (e.g., freshwater distribution systems, propulsion plant systems, drain systems, etc.)
E5	CORE	Troubleshoot nuclear systems and components
E5	CORE	Troubleshoot potable water systems
E5	CORE	Troubleshoot seawater cooling systems
E6	CORE	Troubleshoot shaft line components
E5	CORE	Troubleshoot shielding systems
E5	CORE	Troubleshoot steam generation systems
E5	CORE	Troubleshoot steam systems
E5	CORE	Troubleshoot water sampling systems

SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Offload fuel oil systems
E5	CORE	Offload lube oil tanks
E5	CORE	Onload fuel oil systems
E5	CORE	Onload lube oil tanks

Job Title **Job Code**

Propulsion Plant Mechanical Manager 003797

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	PROPULSION PLANT MECH MGR	PPM MANAGER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MMN	NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Propulsion Plant Mechanical Managers oversee operations, maintenance, and training for personnel assigned to machinery divisions and engineering and reactor departments; review divisional and departmental administrative correspondence; perform divisional/departmental program and training audits; perform risk management; repair and maintain equipment; and perform work critical to the movement of Naval tactical and strategic forces.

DoD Relationship

Group Title	*DoD Code*
Nuclear Power	166100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Production and Operating Workers	51-1011.00	Production

Skills

Quality Control Analysis
Systems Evaluation
Complex Problem Solving
Coordination
Systems Analysis

Abilities

Problem Sensitivity
Deductive Reasoning
Perceptual Speed
Fluency of Ideas
Inductive Reasoning
Near Vision
Selective Attention

ENGINEERING MANAGEMENT

Paygrade	Task Type	Task Statements
E7	NON-CORE	Administer continuous training exams
E7	CORE	Audit engineering and reactor department records
E6	CORE	Verify alignment of non-nuclear systems and components (e.g., freshwater distribution systems, propulsion plant systems, drain systems, etc.)
E7	CORE	Verify alignment of nuclear systems and components
E7	CORE	Verify plant system and component parameters

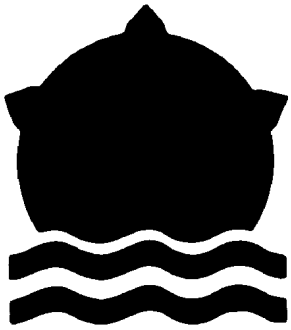
LABORATORY MANAGEMENT

Paygrade	Task Type	Task Statements
E7	NON-CORE	Audit chemistry records
E7	CORE	Audit radiological controlled area records
E6	CORE	Verify radiological controlled areas

QUALITY MAINTENANCE

Paygrade	Task Type	Task Statements
E7	CORE	Inspect shaft line components

CHAPTER 52



MINEMAN
(MN)

NAVPERS 18068-52G
Change 92

Updated: October 2022

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

MINEMAN (MN)

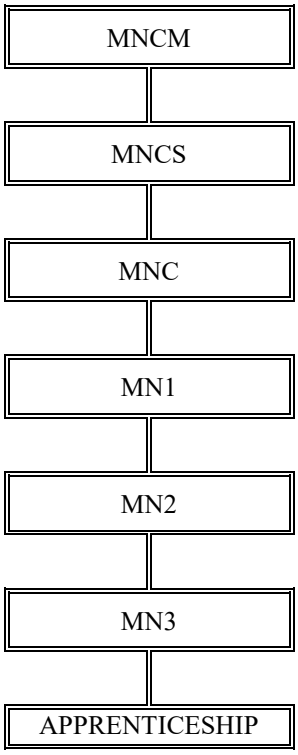
SCOPE OF RATING

Minemen (MN) are experts in all aspects of tactical and operational Mine Warfare (MIW), Rapid Object Localization (ROL), and environmental survey, including mining and Mine Countermeasures (MCM) operations; perform tactical and operational MIW planning, coordination, communication, execution, sonar data analysis, and helicopter insertion and extraction in support of MCM operations; plan and evaluate tactical employment of surface, airborne, and expeditionary MCM systems; perform, manage, and supervise organizational and intermediate maintenance on service mine systems, exercise and training mine systems, and underwater targets; operate and maintain MCM systems, unmanned vehicles, sonar systems, MIW tactical decision aids, communication equipment, and environmental sensor systems; coordinate and supervise MIW operations; support deck seamanship operations and evolutions such as ship navigation, fueling, replenishment at sea, Search and Rescue (SAR), towing, anchoring, mooring, and small boat navigation; perform and manage organizational and intermediate maintenance of small arms and magazine sprinkler systems; train, qualify, direct, and supervise flight deck and helicopter operations; train, qualify, direct, and supervise personnel in the handling, stowing, and maintenance of Arms, Ammunition, and Explosives (AA&E).

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 52.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Mine Warfare Specialist 003736

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Construction and Extraction	TBD	MINE WARFARE SPECIALIST	MINE WAR SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MN	NEC WXXX series or other NECs as assigned

Job Description

Mine Warfare Specialists perform maintenance on service mine systems, exercise and training mine systems, and underwater targets; perform exercise and training and service mine upgrades/downgrades; operate ordnance handling and mine equipment; perform issue/turn-ins of logistics material; maintain magazines, ready service lockers, and inert storage areas; support tactical operations utilizing sophisticated computer, sensor, and communications systems; conduct precision navigation; operate and maintain Mine Countermeasures (MCM) systems, including unmanned systems and vehicles, to locate and neutralize sea mines; employ physical oceanography and bathymetric measuring devices; employ internal and external communication devices and circuits; perform various log keeping and administrative functions associated with combat systems employment; assemble, disassemble, rig, and unrig deck equipment in support of MCM, Underway Replenishment (UNREP), towing, salvage, Search and Rescue (SAR), and ship and small boat navigation operations; perform basic marlinspike seamanship; operate and maintain deck equipment; perform shipboard preservation; support flight deck and helicopter operations; demonstrate basic knowledge of electronics theory and Mine Warfare (MIW) operations; must be proficient with various hand and electronic tools; Plan, Brief, Execute, and Debrief (PBED) tactical operations; ensure safe passage of National and global assets; and perform sector defense.

DoD Relationship

Group Title	*DoD Code*
Mines and Degaussing	164700

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Explosives Workers, Ordnance Handling Experts, and Blasters	47-5032.00	Construction and Extraction

Skills	Abilities
Operation and Control	*Deductive Reasoning*
Critical Thinking	*Manual Dexterity*
Monitoring	*Problem Sensitivity*
Coordination	*Written Comprehension*
Operation Monitoring	*Arm-Hand Steadiness*
Complex Problem Solving	*Oral Expression*
Quality Control Analysis	*Information Ordering*
Judgment and Decision Making	*Inductive Reasoning*
Equipment Selection	*Control Precision*
Reading Comprehension	*Written Expression*

ANCHORING, MOORING, AND TOWING

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate mooring to and getting underway from buoys, piers, and ships
E4	CORE	Get underway from buoys, piers, and ships
E4	CORE	Handle ground tackle (e.g., stoppers, shackles, etc.)
E4	CORE	Hoist ship anchors
E4	CORE	Let go of ship anchors
E4	CORE	Lower ship anchors
E7	CORE	Manage towing evolutions
E4	CORE	Moor to buoys, piers, and ships
E4	CORE	Repair mooring equipment
E4	CORE	Replace anchoring equipment
E4	CORE	Replace towing equipment
E4	CORE	Report anchor chain positions and tensions
E4	CORE	Report mooring and getting underway signals
E4	CORE	Rig for tow
E4	CORE	Stow ship anchors
E5	CORE	Supervise anchoring evolutions

ANCHORING, MOORING, AND TOWING (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise mooring to and getting underway from buoys, piers, and ships
E5	CORE	Supervise towing evolutions
E4	CORE	Test anchoring equipment
E4	CORE	Test mooring equipment
E4	CORE	Test towing equipment
E4	CORE	Troubleshoot anchoring equipment
E4	CORE	Unrig from tow

CREW-SERVED WEAPONS AND SMALL ARMS

Paygrade	Task Type	Task Statements
E4	CORE	Configure crew-served weapon mounts and stands
E4	CORE	Configure crew-served weapons
E4	CORE	Configure small arms (e.g., grenade, line throwing, etc.)
E4	CORE	Deploy pyrotechnics
E4	CORE	Engage contacts with crew-served weapons
E4	CORE	Inventory small arms
E4	CORE	Mount crew-served weapons
E4	CORE	Repair crew-served weapon mounts and stands
E5	CORE	Repair crew-served weapons
E4	NON-CORE	Repair small arms
E4	CORE	Test crew-served weapon mounts and stands
E5	CORE	Test crew-served weapons
E4	CORE	Test small arms
E4	CORE	Troubleshoot crew-served weapon mounts and stands
E5	CORE	Troubleshoot crew-served weapons
E4	CORE	Troubleshoot small arms

DECK SEAMANSHIP

Paygrade	Task Type	Task Statements
E4	CORE	Configure aft steering equipment
E4	CORE	Control aerial man lift vehicles
E4	CORE	Control ship steering and speed
E7	CORE	Coordinate crane evolutions
E7	CORE	Coordinate deck evolutions
E7	NON-CORE	Coordinate Search and Rescue (SAR) teams
E4	CORE	Fabricate wire ropes
E4	CORE	Handle lines for deck operations
E4	CORE	Inventory primer, paint, and non-skid
E4	CORE	Issue painting and preservation equipment
E4	CORE	Issue primer, paint, and non-skid
E7	CORE	Maintain crane programs
E6	CORE	Manage crane evolutions

DECK SEAMANSHIP (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage deck evolutions
E5	CORE	Manage line repairs and replacements
E6	CORE	Manage Search and Rescue (SAR) teams
E7	CORE	Manage wire rope replacements
E4	CORE	Paint prepared surfaces using primer, paint, and non-skid
E4	CORE	Perform corrosion prevention and control procedures
E4	CORE	Perform crane evolutions
E4	CORE	Perform shipboard man overboard recovery procedures
E4	CORE	Perform winch operations
E5	CORE	Plot search areas for maritime Search and Rescue (SAR) operations
E4	CORE	Prepare primer, paint, and non-skid
E4	CORE	Prepare surfaces for primer, paint, and non-skid
E4	CORE	Provide aft steering input to rudder
E4	NON-CORE	Render calls on boatswain's pipe
E4	CORE	Repair deck equipment
E4	CORE	Repair lines (e.g., natural, synthetic, etc.)
E4	CORE	Replace abandon ship equipment
E4	CORE	Replace davit components
E4	CORE	Replace lifesaving equipment components
E4	CORE	Replace painting, refurbishment, and preservation equipment
E4	CORE	Replace synthetic and canvas products
E5	CORE	Replace wire ropes
E4	CORE	Report distress signals, bearings, and ranges
E4	CORE	Report man overboard
E4	CORE	Report Search and Rescue (SAR) signals
E4	CORE	Report signal flags, pennants, and flares
E4	CORE	Rig brows and gangways
E4	CORE	Rig davits
E4	CORE	Rig deck equipment
E4	CORE	Rig life lines
E4	CORE	Rig shipboard ladders
E6	CORE	Supervise aerial man lift vehicles
E5	CORE	Supervise crane evolutions
E5	CORE	Supervise deck evolutions
E5	CORE	Supervise ladder, brows, and gangway evolutions
E5	CORE	Supervise painting, refurbishment, and preservation evolutions
E5	CORE	Supervise Search and Rescue (SAR) teams
E5	CORE	Supervise shipboard man overboard recovery evolutions
E5	CORE	Supervise small boat man overboard recovery evolutions
E4	CORE	Test davits

DECK SEAMANSHIP (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test deck equipment
E4	CORE	Troubleshoot deck equipment
E4	CORE	Unrig brows and gangways
E4	CORE	Unrig davits
E4	CORE	Unrig deck equipment
E4	CORE	Unrig life lines
E4	CORE	Unrig shipboard ladders
E6	CORE	Verify painting, refurbishment, and preservation evolutions

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Brief tactical, operational, and situational status reports
E4	CORE	Collect equipment and system status data (e.g., unmanned vehicles, mission analyses, contacts, sonar, etc.)
E5	CORE	Conduct quality assurance inspections on Arms, Ammunition, and Explosives (AA&E) assets
E7	CORE	Coordinate safety programs and instructions (e.g., ordnance, Shipboard Explosive Safety Inspection (SESI), etc.)
E4	CORE	Disseminate equipment and system status data (e.g., unmanned vehicles, mission analyses, contacts, sonar, etc.)
E4	CORE	Inspect work areas, tools, and equipment
E4	CORE	Inventory controlled equipment
E5	NON-CORE	Inventory Maintenance Assistance Modules (MAM)
E4	CORE	Issue Arms, Ammunition, and Explosives (AA&E) assets
E5	CORE	Maintain preventive maintenance documents
E6	CORE	Manage Arms, Ammunition, and Explosives (AA&E) assets
E6	CORE	Manage controlled equipment
E7	CORE	Manage equipment and test logs
E6	CORE	Manage safety programs and instructions (e.g., ordnance, Shipboard Explosive Safety Inspection (SESI), etc.)
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E5	CORE	Receive custody of Arms, Ammunition, and Explosives (AA&E) assets
E4	CORE	Replace vision enhancement equipment
E5	CORE	Sentence Arms, Ammunition, and Explosives (AA&E) assets
E5	CORE	Supervise controlled equipment inventories
E6	CORE	Supervise divisional equipment and system configurations
E6	CORE	Supervise divisional maintenance operations
E5	CORE	Supervise equipment installations, testing, and alterations
E6	CORE	Supervise Maintenance Assistance Modules (MAM) usage
E5	CORE	Supervise safety programs and instructions (e.g., ordnance, Shipboard Explosive Safety Inspection (SESI), etc.)
E5	CORE	Supervise work center equipment and system configurations

EQUIPMENT ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise work center maintenance operations
E5	CORE	Train technicians in casualty control procedures
E5	CORE	Update equipment and test logs
E6	CORE	Verify equipment installations, testing, and alterations

FLIGHT DECK OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Inspect flight deck equipment
E4	NON-CORE	Inspect flight decks (e.g., non-skid, Visual Landing Aids (VLA), padeyes, etc.)
E4	NON-CORE	Launch helicopters
E4	CORE	Perform flight deck Foreign Object Damage (FOD) walk downs
E4	NON-CORE	Prepare flight deck equipment
E4	NON-CORE	Recover helicopters
E4	NON-CORE	Refuel helicopters
E4	NON-CORE	Secure helicopters to flight decks
E4	CORE	Test flight deck equipment (e.g., communications, night wands, grounding rods, etc.)

MINE ASSEMBLY, DISASSEMBLY, AND MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Assemble exercise and training mines
E4	CORE	Assemble service mines
E4	CORE	Disassemble exercise and training mines
E4	CORE	Disassemble service mines
E4	CORE	Inventory Mine Warfare (MIW) painting and preservation equipment
E4	CORE	Refurbish exercise and training mines and components
E4	CORE	Repair exercise and training mines and components
E4	CORE	Repair service mines
E5	CORE	Supervise exercise and training mine assemblies and disassemblies
E5	CORE	Supervise service mine assemblies and disassemblies
E4	CORE	Test exercise and training mines and components
E4	CORE	Test service mines and components
E5	CORE	Verify exercise and training mine assemblies and disassemblies
E5	CORE	Verify service mine assemblies and disassemblies

MINE WARFARE (MIW) DECK OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Assemble minesweeping cutters
E4	CORE	Configure hydraulic and pneumatic systems
E7	CORE	Coordinate Mine Warfare (MIW) buoy laying and recovery operations
E4	CORE	Deploy exercise and training mines
E4	CORE	Disassemble minesweeping cutters
E4	CORE	Install minesweeping cutters
E4	CORE	Launch minesweeping gear

MINE WARFARE (MIW) DECK OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage Mine Warfare (MIW) buoy laying and recovery operations
E6	CORE	Manage minesweeping evolutions
E4	CORE	Perform Mine Warfare (MIW) buoy laying and recovery operations
E4	CORE	Recover exercise and training mines
E4	CORE	Recover minesweeping gear
E4	CORE	Remove minesweeping cutters
E4	CORE	Repair hydraulic and pneumatic systems
E4	CORE	Repair minesweeping cutters
E4	CORE	Repair minesweeping gear
E4	CORE	Rig minesweeping gear
E5	CORE	Supervise Mine Warfare (MIW) buoy laying and recovery operations
E5	CORE	Supervise minesweeping evolutions
E4	CORE	Test hydraulic and pneumatic systems
E4	CORE	Test minesweeping gear
E4	CORE	Troubleshoot hydraulic and pneumatic systems
E4	CORE	Troubleshoot minesweeping gear
E4	CORE	Unrig minesweeping gear

MINE WARFARE (MIW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Activate mission packages
E4	CORE	Assemble mission packages
E4	CORE	Calculate environmental range predictions
E4	CORE	Classify Mine Neutralization Vehicles (MNV) and Unmanned Underwater Vehicle (UUV) pinged objects
E4	CORE	Collect biological and environmental data
E4	CORE	Configure Mine Neutralization Systems (MNS)
E4	CORE	Configure Mine Neutralization Vehicles (MNV)
E4	CORE	Configure Mine Warfare (MIW) databases
E4	CORE	Configure Tactical Display Systems (TDS)
E4	CORE	Control power and tension to Mine Neutralization Vehicles (MNV)
E4	CORE	Deploy mission packages
E4	CORE	Detonate mission packages
E4	CORE	Develop Mine Warfare (MIW) plans
E4	CORE	Disassemble mission packages
E6	CORE	Evaluate Mine Warfare (MIW) plans
E4	CORE	Initialize Mine Warfare (MIW) databases
E4	NON-CORE	Input mission package fire control parameters
E4	CORE	Launch Mine Neutralization Vehicles (MNV)
E4	CORE	Maintain contact databases
E4	NON-CORE	Perform Mine Warfare (MIW) Battle Damage Assessments (BDA)

MINE WARFARE (MIW) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Vehicle Handling System (VHS) operations
E4	NON-CORE	Pilot Mine Neutralization Vehicles (MNV)
E4	CORE	Plot Mine Warfare (MIW) symbologies
E5	CORE	Process technical briefs, notices, and bulletins
E4	CORE	Recover Mine Neutralization Vehicles (MNV)
E4	CORE	Repair Mine Neutralization Systems (MNS)
E4	NON-CORE	Repair Mine Neutralization Vehicles (MNV) (e.g., SeaFox, AN/SLQ-48, etc.)
E4	CORE	Repair mission packages
E4	CORE	Report biological and environmental data
E6	CORE	Report findings from Mine Warfare (MIW) messages
E5	NON-CORE	Report Mine Warfare (MIW) Battle Damage Assessments (BDA)
E4	CORE	Report radar contact information updates
E4	CORE	Report radar contacts
E6	CORE	Supervise contact database maintenance
E5	CORE	Supervise Mine Warfare (MIW) evolutions
E4	CORE	Test Mine Neutralization Systems (MNS)
E4	NON-CORE	Test Mine Neutralization Vehicles (MNV) (e.g., SeaFox, AN/SLQ-48, etc.)
E4	CORE	Test mission packages
E4	CORE	Troubleshoot Mine Neutralization Systems (MNS)
E4	NON-CORE	Troubleshoot Mine Neutralization Vehicles (MNV) (e.g., SeaFox, AN/SLQ-48, etc.)
E4	CORE	Troubleshoot mission packages
E4	CORE	Troubleshoot Tactical Display Systems (TDS)

NAVIGATION

Paygrade	Task Type	Task Statements
E4	CORE	Calculate basic maneuvering board solutions (e.g., avoidance courses, Closest Point of Approach (CPA), course/speed, etc.)
E4	CORE	Calculate compensating and correcting courses and speeds
E4	CORE	Calculate Plans of Intended Movement (PIM)
E4	CORE	Compare lookout information with fix data and navigation plots
E4	CORE	Compare radar scope presentations with electronic charts
E4	CORE	Compute advances and transfers for turns
E4	CORE	Compute course and speed made good
E4	CORE	Configure radar scope presentations
E4	CORE	Correlate lookout information with radar presentations
E4	CORE	Determine ship positions electronically
E4	CORE	Determine variations on electronic charts
E4	CORE	Load waypoints and tracks into electronic charting systems
E4	CORE	Maintain ship navigation logs
E4	CORE	Plot approved tracks
E4	CORE	Plot Dead Reckoning (DR) tracks

NAVIGATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Plot diversion points for transit routes
E4	CORE	Plot navigation hazards
E4	CORE	Plot navigation requirements (e.g., Operational Orders (OPORD), Operational Plans (OPPLAN), Operational Taskings (OPTASK), etc.)
E4	CORE	Plot Plan of Intended Movement (PIM) tracks
E4	CORE	Plot ship advances and transfers
E4	CORE	Plot swept channels
E4	CORE	Recommend actions based on Navigation Rules and Regulations
E4	CORE	Report aids and hazards to navigation
E4	CORE	Report course and compass deviations and variations
E4	CORE	Report fathometer readings
E4	CORE	Report gyrocompass errors
E4	CORE	Report latitude and longitude from plotted positions on nautical charts
E4	CORE	Report Navigation Rules and Regulations signals
E4	CORE	Report water depths for safe navigation

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Activate magazine sprinkler systems
E4	CORE	Align magazine sprinkler systems
E4	CORE	Configure magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	CORE	Configure Material Handling Equipment (MHE)
E4	CORE	Configure ordnance containers and components
E4	CORE	Configure Ordnance Handling Equipment (OHE)
E7	CORE	Coordinate Ordnance Handling Equipment (OHE) testing
E4	CORE	Deactivate magazine sprinkler systems
E5	CORE	Inspect ordnance
E5	CORE	Inspect ordnance containers
E5	CORE	Inspect ordnance magazines and lockers
E6	CORE	Manage Material Handling Equipment (MHE) programs
E7	CORE	Manage ordnance magazine and locker inspections
E4	CORE	Pack ordnance
E4	CORE	Perform Material Handling Equipment (MHE) operations
E4	CORE	Perform ordnance casualty procedures
E4	CORE	Perform Ordnance Handling Equipment (OHE) operations
E4	CORE	Prepare weapons and ordnance for transportation
E4	CORE	Repair magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	CORE	Repair magazine sprinkler systems
E4	CORE	Repair Material Handling Equipment (MHE)
E4	CORE	Repair Ordnance Handling Equipment (OHE)
E4	CORE	Repair ordnance magazines and lockers

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Replace ordnance containers and components
E4	CORE	Stow ordnance
E5	CORE	Supervise Material Handling Equipment (MHE) operations
E5	CORE	Supervise Material Handling Equipment (MHE) testing
E6	CORE	Supervise ordnance casualty procedures
E5	CORE	Supervise Ordnance Handling Equipment (OHE) operations
E5	CORE	Supervise ordnance handling evolutions
E6	CORE	Supervise ordnance inspections
E6	CORE	Supervise ordnance magazine and locker inspections
E5	CORE	Supervise ordnance stowage
E4	CORE	Test magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	CORE	Test magazine sprinkler systems
E4	CORE	Test Material Handling Equipment (MHE)
E4	CORE	Test Ordnance Handling Equipment (OHE)
E4	CORE	Transport ordnance
E4	CORE	Troubleshoot magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	CORE	Troubleshoot magazine sprinkler systems
E4	CORE	Troubleshoot Material Handling Equipment (MHE)
E4	CORE	Troubleshoot Ordnance Handling Equipment (OHE)
E4	CORE	Unpack ordnance

SECURITY OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Apply restraint devices (e.g., flexicuffs, handcuffs, bindings, etc.)
E6	NON-CORE	Conduct Anti-Terrorism (AT) assessments
E5	NON-CORE	Conduct guard mounts (e.g., weapons issue, duty section turnover, etc.)
E4	NON-CORE	Configure less-than-lethal weapons (e.g., acoustic devices, lasers, expandable batons, etc.)
E4	NON-CORE	Configure security gear and equipment (e.g., Ship Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E6	NON-CORE	Coordinate tactical entries and movements
E6	NON-CORE	Develop Anti-Terrorism (AT) plans
E4	NON-CORE	Engage contacts with less-than-lethal weapons (e.g., acoustic devices, lasers, expandable batons, etc.)
E4	NON-CORE	Establish security perimeters
E4	NON-CORE	Inventory security gear and equipment (e.g., Ship Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E6	NON-CORE	Manage screening and detection operations (e.g., personnel, vehicles, etc.)
E4	NON-CORE	Perform inspections and searches (e.g., vehicles, personnel, etc.)
E4	NON-CORE	Perform screening and detection operations (e.g., personnel, vehicles, etc.)
E4	NON-CORE	Perform tactical entries and movements

SECURITY OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Replace less-than-lethal weapon components (e.g., acoustic devices, lasers, expandable batons, etc.)
E4	NON-CORE	Replace security gear and equipment (e.g., Ships Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E6	NON-CORE	Supervise guard mount operations (e.g., weapons issue, duty section turnover, etc.)
E5	NON-CORE	Supervise inspections and searches (e.g., vehicles, personnel, etc.)
E5	NON-CORE	Supervise screening and detection operations (e.g., personnel, vehicles, etc.)
E5	NON-CORE	Supervise security patrols and roves
E4	NON-CORE	Test less-than-lethal weapons (e.g., acoustic devices, lasers, expandable batons, etc.)
E4	NON-CORE	Test security gear and equipment (e.g., Ship Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E6	NON-CORE	Train personnel in Anti-Terrorism Force Protection (ATFP)
E5	NON-CORE	Train personnel in inspections and searches (e.g., vehicles, personnel, etc.)
E5	NON-CORE	Train personnel in tactical entries and movements
E4	CORE	Train personnel in the use of grenades
E4	NON-CORE	Transfer custody of security gear and equipment (e.g., Ship Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E4	NON-CORE	Troubleshoot less-than-lethal weapons (e.g., acoustic devices, lasers, expandable batons, etc.)
E4	NON-CORE	Troubleshoot security gear and equipment (e.g., Ship Reaction Force (SRF) equipment, screening and detection equipment, etc.)
E4	NON-CORE	Verify identification credentials and documents

SMALL BOAT OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Configure small boats
E4	CORE	Inventory small boat equipment
E4	CORE	Launch small boats
E4	CORE	Load small boats (e.g., equipment, passengers, etc.)
E4	CORE	Perform small boat man overboard recovery procedures
E4	CORE	Perform small boat safety evolutions
E4	CORE	Perform small boat security evolutions
E4	NON-CORE	Perform the duties of coxswain for 11M Rigid Inflatable Boats (RIB)
E4	CORE	Perform the duties of coxswain for 9M or smaller small boats
E4	CORE	Prepare small boats
E4	CORE	Recover small boats
E4	CORE	Refuel small boats
E4	CORE	Repair small boat equipment (e.g., lines, floatation devices, etc.)
E4	NON-CORE	Repair small boats
E4	CORE	Report corrective maintenance needs for small boat davits
E4	CORE	Report corrective maintenance needs for small boats and equipment
E5	CORE	Supervise small boat evolutions

SMALL BOAT OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise small boat repairs
E4	CORE	Test small boat equipment
E4	NON-CORE	Test small boats
E4	CORE	Troubleshoot small boat equipment
E4	NON-CORE	Troubleshoot small boats
E4	CORE	Unload small boats (e.g., equipment, passengers, etc.)

SONAR SYSTEMS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Configure fathometer systems
E4	CORE	Configure range prediction equipment
E4	CORE	Configure sonar systems and components (e.g., Side Scan Sonar (SSS), Forward Looking Sonar (FLS), towed sonar, etc.)
E4	CORE	Configure underwater communication systems
E4	CORE	Perform sonar operations
E5	NON-CORE	Repair fathometer systems
E4	CORE	Repair range prediction equipment
E5	NON-CORE	Repair sonar systems and components (e.g., Side Scan Sonar (SSS), Forward Looking Sonar (FLS), towed sonar, etc.)
E5	CORE	Repair sonar winch systems
E4	CORE	Repair underwater communication systems
E4	CORE	Report sonar contact information updates
E4	CORE	Report sonar contacts
E5	CORE	Supervise sonar operations
E4	CORE	Test fathometer systems
E4	CORE	Test range prediction equipment
E4	CORE	Test sonar systems and components (e.g., Side Scan Sonar (SSS), Forward Looking Sonar (FLS), towed sonar, etc.)
E5	CORE	Test sonar winch systems
E4	CORE	Test underwater communication systems
E5	NON-CORE	Troubleshoot fathometer systems
E4	CORE	Troubleshoot range prediction equipment
E5	NON-CORE	Troubleshoot sonar systems and components (e.g., Side Scan Sonar (SSS), Forward Looking Sonar (FLS), towed sonar, etc.)
E5	CORE	Troubleshoot sonar winch systems
E4	CORE	Troubleshoot underwater communication systems

TECHNICAL CORE FUNDAMENTALS

Paygrade	Task Type	Task Statements
E4	CORE	Align valves
E4	CORE	Analyze blueprints and ship's drawings
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Configure electrical circuits
E4	CORE	Configure General Purpose Test Equipment (GPTE)
E4	CORE	Configure Special Purpose Test Equipment (SPTE)
E5	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E5	CORE	Maintain technical publications
E6	CORE	Manage personnel qualification and certification programs
E4	CORE	Minimize the effects of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), Hazards of Electromagnetic Radiation to Fuel (HERF), and Radio Frequency Interference (RFI)
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E5	NON-CORE	Repair fiber optic cables and connectors
E5	NON-CORE	Repair interconnecting cables and connectors
E4	CORE	Repair valves
E5	CORE	Replace power supplies
E4	CORE	Set Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF) conditions
E5	CORE	Supervise personnel qualification and certification programs
E4	CORE	Test fiber optic cables and connectors
E4	CORE	Test interconnecting cables and connectors
E4	CORE	Test power supplies
E4	CORE	Test valves
E4	CORE	Troubleshoot Alternating Current (AC) circuits
E4	CORE	Troubleshoot digital circuits
E4	CORE	Troubleshoot Direct Current (DC) circuits
E5	NON-CORE	Troubleshoot fiber optic cables and connectors
E5	CORE	Troubleshoot interconnecting cables and connectors
E5	CORE	Troubleshoot power supplies
E4	CORE	Troubleshoot test equipment, tools, and gauges
E4	CORE	Troubleshoot valves
E5	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E7	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)

UNDERWAY REPLENISHMENT (UNREP)

Paygrade	Task Type	Task Statements
E6	CORE	Manage fueling replenishment evolutions
E6	NON-CORE	Manage personnel transfers at sea
E4	CORE	Perform fueling replenishment evolutions
E4	NON-CORE	Perform personnel transfers via helicopter (e.g., chock and chain, Flight Deck Observer, etc.)

UNDERWAY REPLENISHMENT (UNREP) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Vertical Replenishment (VERTREP) evolutions
E4	NON-CORE	Receive personnel transfer at sea signals
E4	CORE	Replace highline transfer equipment
E4	CORE	Replace replenishment equipment
E4	CORE	Report positions using phones and distance lines
E4	NON-CORE	Rig for personnel transfers at sea
E4	NON-CORE	Send personnel transfer at sea signals
E5	CORE	Supervise fueling replenishment evolutions
E5	NON-CORE	Supervise personnel transfers at sea
E5	CORE	Supervise Vertical Replenishment (VERTREP) evolutions
E4	CORE	Test replenishment equipment
E4	CORE	Troubleshoot replenishment equipment
E4	NON-CORE	Unrig from personnel transfers at sea

UNMANNED SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Archive Unmanned Underwater Vehicle (UUV) data
E4	CORE	Configure high frequency radio communication systems (i.e., Satellite Communications (SATCOM), Extremely High Frequency (EHF), Super High Frequency (SHF), Ultra High Frequency (UHF), Very High Frequency (VHF), High Frequency (HF))
E4	CORE	Configure Unmanned Underwater Vehicles (UUV) (e.g., modules, payloads, sensors, etc.)
E5	CORE	Deliver Unmanned Underwater Vehicle (UUV) reports (e.g., Post Mission Data (PMD), etc.)
E4	CORE	Develop Unmanned Underwater Vehicle (UUV) mission plans
E4	CORE	Download Unmanned Underwater Vehicle (UUV) data
E5	CORE	Generate Unmanned Underwater Vehicle (UUV) reports (e.g., Post Mission Data (PMD), etc.)
E4	CORE	Inventory Unmanned Underwater Vehicle (UUV) equipment
E4	CORE	Launch Unmanned Underwater Vehicles (UUV)
E4	CORE	Monitor high frequency radio communication systems (i.e., Satellite Communications (SATCOM), Extremely High Frequency (EHF), Super High Frequency (SHF), Ultra High Frequency (UHF), Very High Frequency (VHF), High Frequency (HF))
E4	CORE	Monitor Unmanned Underwater Vehicle (UUV) mission performance
E4	CORE	Perform Post Mission Analyses (PMA) on Unmanned Underwater Vehicle (UUV) data
E4	CORE	Program Unmanned Underwater Vehicles (UUV)
E4	CORE	Recover Unmanned Underwater Vehicles (UUV)
E4	CORE	Repair Unmanned Underwater Vehicles (UUV) and components (e.g., Long-Base Line (LBL), propeller, etc.)
E4	CORE	Replace Unmanned Underwater Vehicle (UUV) components (e.g., batteries, sensors, etc.)

UNMANNED SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise Post Mission Analyses (PMA) on Unmanned Underwater Vehicle (UUV) data
E5	CORE	Supervise Unmanned Underwater Vehicle (UUV) configurations (e.g., modules, payloads, sensors, etc.)
E5	CORE	Supervise Unmanned Underwater Vehicle (UUV) data downloading and archiving
E5	CORE	Supervise Unmanned Underwater Vehicle (UUV) launches
E5	CORE	Supervise Unmanned Underwater Vehicle (UUV) mission performance monitoring
E5	CORE	Supervise Unmanned Underwater Vehicle (UUV) recoveries
E5	CORE	Supervise Unmanned Underwater Vehicle (UUV) repairs and component replacements
E5	CORE	Supervise Unmanned Underwater Vehicle (UUV) tests
E5	CORE	Supervise Unmanned Underwater Vehicle (UUV) troubleshooting
E4	CORE	Test Unmanned Underwater Vehicles (UUV)
E4	CORE	Troubleshoot high frequency radio communication systems (i.e., Satellite Communications (SATCOM), Extremely High Frequency (EHF), Super High Frequency (SHF), Ultra High Frequency (UHF), Very High Frequency (VHF), High Frequency (HF))
E4	CORE	Troubleshoot Unmanned Underwater Vehicles (UUV)
E5	CORE	Validate Unmanned Underwater Vehicle (UUV) mission plans
E5	CORE	Validate Unmanned Underwater Vehicle (UUV) mission programming
E5	CORE	Verify Unmanned Underwater Vehicle (UUV) equipment inventories

WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust operating modes of systems (e.g., training, normal operation, etc.)
E4	CORE	Analyze tactical operations data
E4	CORE	Analyze threat weapons data
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E4	CORE	Configure Interior Communication (IC) systems
E5	CORE	Configure systems to Commanding Officer's (CO) battle orders
E4	CORE	Configure weapons and combat systems equipment
E4	CORE	Decode tactical signals
E5	CORE	Disseminate tactical information
E4	CORE	Document external communications
E4	CORE	Draft operational and situational reports
E4	CORE	Encode tactical signals
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E6	CORE	Manage Combat Information Centers (CIC) during casualty conditions
E6	CORE	Manage Combat Information Centers (CIC) during special evolutions
E4	CORE	Perform Combat Information Center (CIC) casualty evolution procedures
E4	CORE	Perform Combat Information Center (CIC) special evolution procedures
E4	CORE	Perform Common Post Mission Analysis (CPMA) operations

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform external communications (ship-to-ship, ship-to-shore, and ship-to-air)
E4	CORE	Plot man overboard positions
E4	CORE	Record tactical data (e.g., digital media)
E4	CORE	Report air contact information updates
E4	CORE	Report air contacts
E4	CORE	Report combat systems equipment status
E4	CORE	Report subsurface contact information updates
E4	CORE	Report subsurface contacts
E4	CORE	Report surface contact information updates
E4	CORE	Report surface contacts
E5	CORE	Supervise Combat Information Centers (CIC) during casualty conditions
E5	CORE	Supervise Combat Information Centers (CIC) during special evolutions
E5	CORE	Supervise combat systems operations in port
E5	CORE	Supervise combat systems operations underway
E5	CORE	Supervise combat systems watch teams
E5	CORE	Supervise Common Post Mission Analysis (CPMA) operations
E4	CORE	Test ship communication systems (e.g., Radio Frequency (RF), Interior Communications (IC), etc.)
E4	CORE	Transition Combat Information Centers (CIC) between conditions of readiness
E4	CORE	Transition ships between conditions of readiness (e.g., Condition 1, Condition 2, etc.)
E4	CORE	Update plotting and status boards
E5	CORE	Verify weapons and combat systems equipment alignments

Job Title

Mine Warfare Manager

Job Code

003737

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	MINE WARFARE MANAGER	MINE WAR MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MN	NEC WXXX series or other NECs as assigned

Job Description

Mine Warfare Managers supervise maintenance on service mine systems, exercise and training mine systems, and underwater targets; perform exercise and training and service mine upgrades/downgrades; supervise ordnance handling and mine equipment usage; monitor issue/turn-ins of logistics material; control maintenance of magazines, ready service lockers, and inert storage areas; support tactical operations utilizing sophisticated computer, sensor, and communications systems; conduct precision navigation; operate and maintain Mine Countermeasures (MCM) systems, including unmanned systems, to locate and neutralize sea mines; employ physical oceanography and bathymetric measuring devices; employ internal and external communication devices and circuits; review various log keeping and administrative functions associated with combat systems employment; manage the assembly, disassembly, rigging, and unrigging of deck equipment in support of MCM, Underway Replenishment (UNREP), towing, salvage, Search and Rescue (SAR), and ship and small boat navigation operations; teach basic marlinspike seamanship; supervise operations and maintenance of deck equipment; oversee shipboard preservation; Plan, Brief, Execute, Debrief (PBED) tactical operations; ensure safe passage of national and global assets; and perform sector defense.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Mines and Degaussing	164700	Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members, All Other	55-3019.00	Military Specific

Skills	Abilities
Management of Personnel Resources	*Deductive Reasoning*
Quality Control Analysis	*Information Ordering*
Operation and Control	*Problem Sensitivity*
Critical Thinking	*Speed of Closure*
Management of Material Resources	*Written Expression*
Reading Comprehension	*Oral Expression*
Coordination	*Written Comprehension*
Judgment and Decision Making	*Inductive Reasoning*
Systems Analysis	*Arm-Hand Steadiness*
Monitoring	*Time Sharing*

ANCHORING, MOORING, AND TOWING

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate mooring to and getting underway from buoys, piers, and ships
E6	CORE	Manage anchoring evolutions
E6	CORE	Manage mooring to and getting underway from buoys, piers, and ships
E7	CORE	Manage towing evolutions
E7	CORE	Report required scopes of anchor chain
E5	CORE	Supervise anchoring evolutions
E5	CORE	Supervise mooring to and getting underway from buoys, piers, and ships

CREW-SERVED WEAPONS AND SMALL ARMS

Paygrade	Task Type	Task Statements
E5	CORE	Manage small arms and crew-served weapons inventory programs (e.g., schedule, validate, etc.)
E5	NON-CORE	Train personnel in crew-served weapons
E6	NON-CORE	Train personnel in pyrotechnics
E5	NON-CORE	Train personnel in small arms

DECK SEAMANSHIP

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate crane evolutions
E7	CORE	Coordinate deck evolutions
E6	CORE	Coordinate deck painting and preservation plans and equipment (e.g., man lifts, barges, etc.)
E7	NON-CORE	Coordinate Search and Rescue (SAR) teams
E6	CORE	Coordinate shipboard honors and ceremonies
E7	CORE	Maintain crane programs
E6	CORE	Manage deck evolutions
E7	CORE	Manage painting, refurbishment, and preservation evolutions
E6	CORE	Manage Search and Rescue (SAR) teams
E7	CORE	Manage shipboard man overboard recovery evolutions
E7	CORE	Manage small boat man overboard recovery evolutions
E7	CORE	Supervise helmsman operations

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Approve equipment installations, testing, and alterations
E7	CORE	Coordinate equipment certifications and recertifications
E7	CORE	Coordinate safety programs and instructions (e.g., ordnance, Shipboard Explosive Safety Inspection (SESI), etc.)
E7	CORE	Coordinate test equipment calibration programs
E6	CORE	Coordinate weight tests
E7	CORE	Manage Arms, Ammunition, and Explosives (AA&E) programs
E6	CORE	Manage controlled equipment
E7	CORE	Manage divisional equipment and system configurations
E7	CORE	Manage divisional maintenance operations
E7	CORE	Manage equipment and test logs
E6	CORE	Manage equipment certifications and recertifications
E6	CORE	Manage safety programs and instructions (e.g., ordnance, Shipboard Explosive Safety Inspection (SESI), etc.)
E7	CORE	Manage weight test programs
E6	CORE	Supervise divisional equipment and system configurations
E6	CORE	Supervise divisional maintenance operations
E5	CORE	Supervise safety programs and instructions (e.g., ordnance, Shipboard Explosive Safety Inspection (SESI), etc.)
E5	CORE	Update equipment and test logs
E6	CORE	Verify equipment installations, testing, and alterations

MINE ASSEMBLY, DISASSEMBLY, AND MAINTENANCE

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate exercise and training mine assemblies and disassemblies
E7	CORE	Coordinate service mine assemblies and disassemblies
E6	CORE	Manage exercise and training mine assemblies and disassemblies
E6	CORE	Manage service mine assemblies and disassemblies
E5	CORE	Supervise exercise and training mine assemblies and disassemblies
E5	CORE	Supervise service mine assemblies and disassemblies
E5	CORE	Verify exercise and training mine assemblies and disassemblies
E5	CORE	Verify service mine assemblies and disassemblies

MINE WARFARE (MIW) DECK OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate Mine Warfare (MIW) buoy laying and recovery operations
E7	CORE	Coordinate minesweeping evolutions
E6	CORE	Manage minesweeping evolutions

MINE WARFARE (MIW) OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Approve Mine Warfare (MIW) plans
E7	CORE	Coordinate Mine Warfare (MIW) evolutions and plans (e.g., Mine Countermeasures (MCM), surveys, etc.)
E7	CORE	Disseminate Mine Warfare (MIW) Battle Damage Assessments (BDA)
E6	CORE	Evaluate Mine Warfare (MIW) operations
E6	CORE	Evaluate Mine Warfare (MIW) plans
E6	CORE	Evaluate subsurface contact classifications
E6	CORE	Manage Mine Warfare (MIW) evolutions and plans (e.g., Mine Countermeasures (MCM), surveys, etc.)
E7	CORE	Provide Mine Warfare (MIW) recommendations
E5	CORE	Supervise Mine Warfare (MIW) evolutions
E5	CORE	Validate Mine Warfare (MIW) plans
E6	CORE	Verify extracted information from operational tasking (e.g., Operational Orders (OPORD), Operations Schedules (OPSKED), Operational Taskings (OPTASK), etc.)

NAVIGATION

Paygrade	Task Type	Task Statements
E7	CORE	Evaluate plotting of swept channels
E7	NON-CORE	Manage navigation details (e.g., restricted waters, man overboard, straits transits, etc.)
E6	CORE	Verify plotting of swept channels

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate Material Handling Equipment (MHE) operations
E7	CORE	Coordinate Material Handling Equipment (MHE) programs
E7	CORE	Coordinate ordnance handling evolutions
E6	CORE	Coordinate weapon deliveries and ordnance transportation

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Maintain ammunition administration programs (Ordnance Information System (OIS))
E6	CORE	Manage Material Handling Equipment (MHE) operations
E6	CORE	Manage Ordnance Handling Equipment (OHE) programs
E6	CORE	Manage ordnance handling evolutions
E7	CORE	Manage ordnance magazine and locker inspections
E6	CORE	Manage ordnance stowage
E6	CORE	Supervise magazine sprinkler systems testing
E5	CORE	Supervise ordnance handling evolutions
E6	CORE	Supervise ordnance magazine and locker inspections

SECURITY OPERATIONS

Paygrade	Task Type	Task Statements
E7	NON-CORE	Coordinate Anti-Terrorism (AT) assessments
E7	NON-CORE	Coordinate Anti-Terrorism Force Protection (ATFP) exercises and certification operations
E6	NON-CORE	Coordinate tactical entries and movements
E7	NON-CORE	Coordinate training of personnel in inspections and searches (e.g., vehicles, personnel, etc.)
E7	NON-CORE	Coordinate training of personnel in tactical entries and movements
E6	NON-CORE	Develop Anti-Terrorism (AT) plans
E6	NON-CORE	Manage inspections and searches (e.g., vehicles, personnel, etc.)
E6	NON-CORE	Manage screening and detection operations (e.g., personnel, vehicles, etc.)
E6	NON-CORE	Supervise training of personnel in inspections and searches (e.g., vehicles, personnel, etc.)
E6	NON-CORE	Train personnel in Anti-Terrorism Force Protection (ATFP)

SMALL BOAT OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate repairs of small boats and equipment
E7	CORE	Coordinate small boat operations
E6	CORE	Manage repairs of small boats and equipment
E6	CORE	Manage small boat evolutions

SONAR SYSTEMS

Paygrade	Task Type	Task Statements
E7	CORE	Manage sonar operations

TECHNICAL CORE FUNDAMENTALS

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate personnel qualification and certification programs
E7	CORE	Coordinate readiness evaluations
E7	CORE	Maintain Afloat Self-Assessment (ASA) programs
E7	CORE	Maintain shipboard bills (e.g., boat, helicopter, abandon ship, etc.)
E5	CORE	Maintain technical publications
E6	CORE	Manage personnel qualification and certification programs

TECHNICAL CORE FUNDAMENTALS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E6	CORE	Manage readiness evaluation preparations
E7	CORE	Supervise settings of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF) conditions
E7	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E6	CORE	Verify settings of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF) conditions

UNDERWAY REPLENISHMENT (UNREP)

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate fueling replenishment evolutions
E7	NON-CORE	Coordinate personnel transfers at sea
E6	CORE	Manage fueling replenishment evolutions
E6	NON-CORE	Manage personnel transfers at sea

UNMANNED SYSTEMS

Paygrade	Task Type	Task Statements
E7	CORE	Approve Unmanned Underwater Vehicle (UUV) mission plans
E7	CORE	Coordinate Unmanned Underwater Vehicle (UUV) operations
E7	CORE	Coordinate Unmanned Underwater Vehicle (UUV) Platoon administration
E7	CORE	Coordinate Unmanned Underwater Vehicle (UUV) Platoon deployment loadouts
E7	CORE	Coordinate Unmanned Underwater Vehicle (UUV) Platoon pre-deployment work-ups
E6	CORE	Evaluate Unmanned Underwater Vehicle (UUV) mission plans
E6	CORE	Manage Unmanned Underwater Vehicle (UUV) operations
E6	CORE	Manage Unmanned Underwater Vehicle (UUV) Platoon administration
E6	CORE	Manage Unmanned Underwater Vehicle (UUV) Platoon deployment loadouts
E6	CORE	Manage Unmanned Underwater Vehicle (UUV) Platoon pre-deployment work-ups

WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate Combat Information Centers (CIC) during casualty conditions
E7	CORE	Coordinate Combat Information Centers (CIC) during special evolutions
E7	CORE	Coordinate combat systems operations in port
E7	CORE	Coordinate combat systems operations underway
E7	CORE	Coordinate combat systems watch teams
E6	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E7	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E7	CORE	Disseminate Common Post Mission Analysis (CPMA) data
E5	CORE	Disseminate tactical information

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Evaluate Common Post Mission Analysis (CPMA) data
E6	CORE	Manage Combat Information Centers (CIC) during casualty conditions
E6	CORE	Manage Combat Information Centers (CIC) during special evolutions
E7	CORE	Manage combat systems equipment status reports
E6	CORE	Manage combat systems operations in port
E6	CORE	Manage combat systems operations underway
E6	CORE	Manage combat systems watch teams
E6	CORE	Manage tactical data recordings (e.g., digital media)
E6	CORE	Manage weapons and combat systems equipment alignments
E5	CORE	Supervise tactical data recordings (e.g., digital media)
E6	CORE	Supervise transition of Combat Information Centers (CIC) between conditions of readiness
E7	CORE	Supervise transition of ships between conditions of readiness (e.g., Condition 1, Condition 2, etc.)
E7	CORE	Transmit operational and situational reports
E6	CORE	Verify systems configurations to Commanding Officer's (CO) battle orders

CHAPTER 53

MACHINERY REPAIRMAN
(MR)

NAVPERS 18068F-53F
Change 83

Updated: July 2020

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NAVY ENLISTED OCCUPATIONAL STANDARDS

FOR

MACHINERY REPAIRMAN (MR)

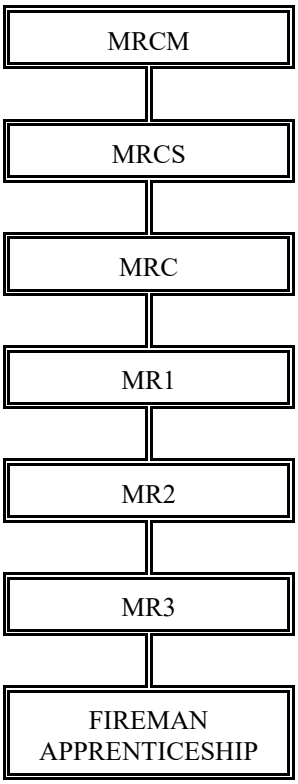
SCOPE OF RATING

Machinery Repairmen (MR) are skilled machinists; manufacture replacement parts to enable repairs or overhaul to engines, propulsion and auxiliary systems on ships, aircraft, submarines, and various equipment; perform organizational and intermediate maintenance on assigned equipment; skilled in use of Computer Numerically Controlled (CNC) machines, Computer-Aided Design (CAD), lathes, milling machines, boring mills, grinders, power saws, drill presses, and other machine tools required to fabricate and manufacture parts and equipment; and utilize portable machinery, hand tools, and measuring instruments to perform work outside the shop.

These Occupational Standards are to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 53.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Machinery Repairman Apprentice 003156

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	MACHINERY REPAIRMAN APPRENTICE	MR APPRENTICE

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MR	NEC UXXX series or other NECs as assigned

Job Description

Machinery Repairman Apprentices manufacture replacement parts, repair or overhaul engines, propulsion and auxiliary systems on ships, aircraft, submarines, and various equipment; work on deck equipment; perform machine shop and repair duties utilizing machine shop equipment, such as lathes, drill presses, bench grinders, milling machines, and power saws; calculate time and material needed for machine shop work; produce replacement parts by interpreting blueprints; draw sketches, prepare specifications, and select material utilizing basic metallurgy for replacement parts; work with precision measuring instruments such as micrometers, depth gauges, dial calipers, gauge blocks, protractors, and dial indicators; operate engravers; and work under the supervision of a journeyman machinist.

DoD Relationship

Group Title	*DoD Code*
Machinists	170200

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Machinists	51-4041.00	Production

Skills	Abilities
Equipment Selection	*Information Ordering*
Management of Material Resources	*Mathematical Reasoning*
Repairing	*Control Precision*
Operation and Control	*Arm-Hand Steadiness*
Quality Control Analysis	*Deductive Reasoning*
Operations Analysis	*Written Comprehension*
Installation	*Finger Dexterity*
Mathematics	*Inductive Reasoning*
Critical Thinking	*Manual Dexterity*
Operation Monitoring	*Perceptual Speed*

FABRICATIONS AND MANUFACTURING

Paygrade	Task Type	Task Statements
E4	CORE	Grind machine shop single point tools
E4	CORE	Machine bearing surfaces
E4	CORE	Machine couplings from castings
E5	CORE	Machine impellers from castings
E5	CORE	Machine pump casing rings
E5	CORE	Machine pump shaft sleeves
E4	CORE	Machine pump shafts
E4	CORE	Machine system zincs
E4	CORE	Machine threads
E4	CORE	Machine valve disks
E4	CORE	Machine valve hand wheels from castings
E4	CORE	Machine valve seats
E4	CORE	Manufacture brackets and supports
E4	CORE	Manufacture deck bolts
E4	CORE	Manufacture deck plugs
E4	CORE	Manufacture deck sockets
E4	CORE	Manufacture equipment and system bushings

FABRICATIONS AND MANUFACTURING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Manufacture equipment and system fittings
E4	CORE	Manufacture equipment mandrels
E4	CORE	Manufacture equipment wearing rings
E4	CORE	Manufacture gauge plugs
E4	CORE	Manufacture hatch dogs
E4	CORE	Manufacture machinery pulleys
E4	CORE	Manufacture machinery shafts
E4	CORE	Manufacture machinery shims
E4	CORE	Manufacture machinery spacers
E4	CORE	Manufacture machinery splines
E4	CORE	Manufacture metal and non-metal pins
E4	CORE	Manufacture pad eyes
E4	CORE	Manufacture shaft keys
E4	CORE	Manufacture spur gears
E4	CORE	Manufacture stanchion bolts
E4	CORE	Manufacture strainer plugs
E4	CORE	Manufacture system flanges
E5	CORE	Repair end bell housings

MACHINE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Assemble components utilizing hydraulic or arbor presses
E4	CORE	Cut materials using a vertical or horizontal band saw
E4	CORE	Determine surface finishes using surface roughness scales
E4	CORE	Dial in bores using dial fingers
E4	CORE	Dial in pump casings on horizontal boring mills
E4	CORE	Dial in shafts on lathes
E4	CORE	Dial in shafts on mills
E4	CORE	Disassemble components utilizing hydraulic or arbor presses
E4	CORE	Disintegrate metal parts
E4	CORE	Drill out system parts
E4	CORE	Machine out-of-round surfaces
E4	CORE	Machine square and hexagonal holes
E4	CORE	Perform broaching procedures
E4	CORE	Perform draw filing
E4	CORE	Perform fly cutting
E4	CORE	Perform indexing procedures
E4	CORE	Perform precision measurements
E4	CORE	Straighten bent components

PRE-MANUFACTURING PREPARATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Balance grinding wheels
E4	CORE	Calculate areas and volumes
E4	CORE	Conduct equipment pre-operational checks
E4	CORE	Design special tools and adapters
E4	CORE	Draft manufacturing blueprints from sample parts
E4	CORE	Interpret blueprints to manufacture parts
E4	CORE	Layout equipment templates
E4	CORE	Layout geometric construction work
E4	CORE	Layout valve flange bolt holes
E4	CORE	Measure clearances
E4	CORE	Select carbide tools for machining applications
E4	CORE	Select plastics for intended use
E4	CORE	Set up drilling machines
E4	CORE	Set up flange refacing machines

PUMPS AND VALVES

Paygrade	Task Type	Task Statements
E4	CORE	Conduct blue checks
E4	CORE	Repair bearing surfaces
E4	CORE	Repair couplings
E4	CORE	Repair impellers
E4	CORE	Repair pump casing and casing rings
E4	CORE	Repair pump housing surfaces
E4	CORE	Repair pump shafts and sleeves
E4	CORE	Repair pump wearing rings
E4	CORE	Repair strainer bodies
E4	CORE	Repair threads
E4	CORE	Repair valve disks
E4	CORE	Repair valve hand wheels
E4	CORE	Repair valve seats
E4	CORE	Replace damaged or broken studs

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E4	CORE	Document Quality Assurance (QA) repair form findings
E5	CORE	Prepare Quality Assurance (QA) repair forms
E5	CORE	Store controlled materials
E5	CORE	Update Quality Assurance (QA) repair forms
E4	CORE	Validate controlled materials for controlled work

SHOP OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Check surfaces for squareness
E4	CORE	Conduct metal hardness tests
E4	CORE	Conduct metal identification tests
E4	CORE	Control Oxyacetylene Torch (OAT) equipment
E4	CORE	Determine surface roughness
E4	CORE	Engrave miscellaneous equipage
E4	CORE	Maintain specialty tools and calibrated instruments
E4	CORE	Perform layout and bench work
E4	CORE	Perform machine shop calculations
E5	CORE	Repair shop equipment
E4	CORE	Sandblast miscellaneous equipage
E4	CORE	Setup Oxyacetylene Torch (OAT) equipment
E4	CORE	Sharpen drill bits

Job Title **Job Code**

Machinery Repairman Journeyman 003381

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	MACHINERY REPAIR JOURNEYMAN	MR JOURNEYMAN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MR	NEC U31A, U32A, U33A or other NECs as assigned

Job Description

Machinery Repairmen Journeymen manufacture replacement parts, repair or overhaul engines, propulsion and auxiliary systems on ships, aircraft, submarines, and various equipment; work on deck equipment; perform machine shop and repair duties utilizing machine shop equipment, such as lathes, drill presses, bench grinders, milling machines, power saws, Computer-Aided Design (CAD) software, Computer Numerically Controlled (CNC) machinery, vertical turret lathes, boring mills, precision grinders, metal buildup equipment, and heat treating equipment; calculate time and material needed for machine shop work; produce replacement parts by interpreting blueprints; draw sketches, prepare specifications, and select material utilizing advanced metallurgy for replacement parts; work with precision measuring instruments such as micrometers, depth gauges, dial calipers, gauge blocks, protractors, dial indicators, gear tooth veneers, and hardness testing equipment; operate engravers; and are expected to perform work independently and supervise apprentice machinists.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Machinists	170200	Tool and Dye Makers	51-4111.00	Production

Skills	Abilities
Equipment Selection	*Information Ordering*
Management of Material Resources	*Control Precision*
Operation and Control	*Arm-Hand Steadiness*
Repairing	*Mathematical Reasoning*
Quality Control Analysis	*Written Comprehension*
Operations Analysis	*Deductive Reasoning*
Mathematics	*Manual Dexterity*
Critical Thinking	*Written Expression*
Reading Comprehension	*Finger Dexterity*
Installation	*Inductive Reasoning*

FABRICATIONS AND MANUFACTURING

Paygrade	Task Type	Task Statements
E4	CORE	Grind machine shop single point tools
E4	CORE	Machine bearing surfaces
E4	CORE	Machine couplings from castings
E5	CORE	Machine end bell housing surfaces
E5	CORE	Machine impellers from castings
E5	CORE	Machine pump casing rings
E5	CORE	Machine pump casings
E5	CORE	Machine pump housing surfaces
E5	CORE	Machine pump shaft sleeves
E4	CORE	Machine pump shafts
E5	CORE	Machine strainer bodies
E4	CORE	Machine system zincs
E4	CORE	Machine threads
E4	CORE	Machine valve disks
E5	CORE	Machine valve flange surfaces
E4	CORE	Machine valve hand wheels from castings

FABRICATIONS AND MANUFACTURING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Machine valve seats
E5	CORE	Manufacture bevel gears
E4	CORE	Manufacture brackets and supports
E4	CORE	Manufacture deck bolts
E4	CORE	Manufacture deck plugs
E4	CORE	Manufacture deck sockets
E4	CORE	Manufacture equipment and system bushings
E4	CORE	Manufacture equipment and system fittings
E4	CORE	Manufacture equipment mandrels
E4	CORE	Manufacture equipment wearing rings
E4	CORE	Manufacture gauge plugs
E4	CORE	Manufacture hatch dogs
E5	CORE	Manufacture helical gears
E4	CORE	Manufacture machinery pulleys
E4	CORE	Manufacture machinery shafts
E4	CORE	Manufacture machinery shims
E4	CORE	Manufacture machinery spacers
E4	CORE	Manufacture machinery splines
E5	CORE	Manufacture machinery sprockets
E4	CORE	Manufacture metal and non-metal pins
E4	CORE	Manufacture pad eyes
E4	CORE	Manufacture shaft keys
E4	CORE	Manufacture spur gears
E4	CORE	Manufacture stanchion bolts
E4	CORE	Manufacture strainer plugs
E5	CORE	Manufacture stub tooth gears
E4	CORE	Manufacture system flanges
E5	CORE	Manufacture worm gears
E5	CORE	Manufacture worm wheels
E5	CORE	Repair end bell housings

MACHINE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Assemble components utilizing hydraulic or arbor presses
E4	CORE	Cut materials using a vertical or horizontal band saw
E4	CORE	Determine surface finishes using surface roughness scales
E4	CORE	Dial in bores using dial fingers
E4	CORE	Dial in pump casings on horizontal boring mills
E4	CORE	Dial in shafts on lathes

MACHINE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Dial in shafts on mills
E4	CORE	Disassemble components utilizing hydraulic or arbor presses
E4	CORE	Disintegrate metal parts
E4	CORE	Drill out system parts
E5	CORE	Finish surfaces utilizing honing equipment
E5	CORE	Machine angles on vertical turret lathes
E4	CORE	Machine out-of-round surfaces
E5	CORE	Machine parts using Computer Numerically Controlled (CNC) machines
E5	CORE	Machine parts using milling operations on lathes
E4	CORE	Machine square and hexagonal holes
E4	CORE	Perform broaching procedures
E5	CORE	Perform Computer-Aided Design (CAD)/Computer Automated Machining (CAM)
E4	CORE	Perform draw filing
E4	CORE	Perform fly cutting
E4	CORE	Perform indexing procedures
E4	CORE	Perform precision measurements
E4	CORE	Straighten bent components

PRE-MANUFACTURING PREPARATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Balance grinding wheels
E4	CORE	Calculate areas and volumes
E4	CORE	Conduct equipment pre-operational checks
E4	CORE	Design special tools and adapters
E4	CORE	Draft manufacturing blueprints from sample parts
E4	CORE	Interpret blueprints to manufacture parts
E4	CORE	Layout equipment templates
E4	CORE	Layout geometric construction work
E4	CORE	Layout valve flange bolt holes
E4	CORE	Measure clearances
E4	CORE	Select carbide tools for machining applications
E4	CORE	Select plastics for intended use
E5	CORE	Set up Computer Numerically Controlled (CNC) machines
E5	CORE	Set up cylindrical grinders
E4	CORE	Set up drilling machines
E5	NON-CORE	Set up electroplating equipment
E4	CORE	Set up flange refacing machines
E5	CORE	Set up surface grinders
E5	CORE	Set up tool and cutter grinders

PUMPS AND VALVES

Paygrade	Task Type	Task Statements
E4	CORE	Conduct blue checks
E4	CORE	Repair bearing surfaces
E4	CORE	Repair couplings
E4	CORE	Repair impellers
E4	CORE	Repair pump casing and casing rings
E4	CORE	Repair pump housing surfaces
E4	CORE	Repair pump shafts and sleeves
E4	CORE	Repair pump wearing rings
E4	CORE	Repair strainer bodies
E4	CORE	Repair threads
E4	CORE	Repair valve disks
E4	CORE	Repair valve hand wheels
E4	CORE	Repair valve seats
E4	CORE	Replace damaged or broken studs

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E6	CORE	Develop Controlled Work Packages (CWP)
E6	CORE	Develop Formal Work Packages (FWP)
E4	CORE	Document Quality Assurance (QA) repair form findings
E5	CORE	Prepare Quality Assurance (QA) repair forms
E5	CORE	Store controlled materials
E5	CORE	Update Quality Assurance (QA) repair forms
E4	CORE	Validate controlled materials for controlled work
E7	CORE	Verify accuracy of Controlled Work Packages (CWP)
E7	CORE	Verify accuracy of Formal Work Packages (FWP)
E7	CORE	Verify accuracy of Quality Assurance (QA) repair forms

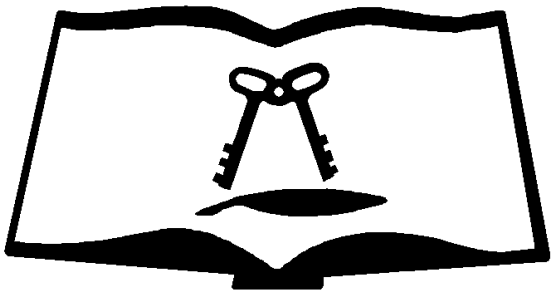
SHOP OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Analyze equipment malfunctions
E4	CORE	Check surfaces for squareness
E6	NON-CORE	Conduct machine operation training
E4	CORE	Conduct metal hardness tests
E4	CORE	Conduct metal identification tests
E4	CORE	Control Oxyacetylene Torch (OAT) equipment
E4	CORE	Determine surface roughness
E5	CORE	Develop computer-aided machining programs
E6	CORE	Draft production schedules
E7	CORE	Draft shop policies

SHOP OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Engrave miscellaneous equipage
E5	CORE	Heat treat metals using ovens
E4	CORE	Maintain specialty tools and calibrated instruments
E7	CORE	Manage production schedules
E4	CORE	Perform layout and bench work
E4	CORE	Perform machine shop calculations
E5	CORE	Repair shop equipment
E4	CORE	Sandblast miscellaneous equipage

CHAPTER 54



CULINARY SPECIALIST
(CS)

NAVPERS 18068F-54H
Change 106

Updated: April 2026

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CULINARY SPECIALIST (CS)

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NAVY ENLISTED OCCUPATIONAL STANDARDS

FOR

CULINARY SPECIALIST (CS)

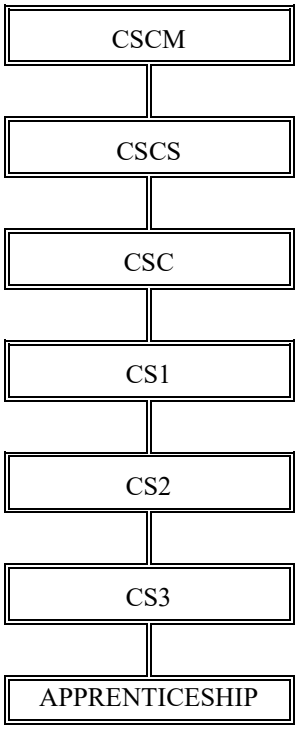
SCOPE OF RATING

Culinary Specialists (CS) operate and manage Navy messes and hotel services afloat, unaccompanied housing, and mess facilities ashore and in Expeditionary environments established to subsist Naval personnel; estimate quantities and types of food items required; assist Supply Officers in ordering and stowage of subsistence items and procurement of equipment and mess gear; check delivery for quantity and assist medical personnel in inspection for quality; prepare menus; plan, prepare, and serve meals; maintain food service spaces and associated equipment, including storerooms and refrigerated spaces, in a clean and sanitary condition; maintain records of financial transactions; and submit required reports.

These Occupational Standards are to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 54.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Leading Culinary Specialist

Job Code

001007

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Food Preparation and Serving Related	TBD	LEADING CULINARY SPECIALIST	LEAD CULY SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CS	NEC 7XXX, SXXX series and other NECs as assigned

Job Description

Leading Culinary Specialists are Senior Enlisted Leaders (SEL) of food service divisions, responsible to Food Service Officers (FSOs) for managing galley and hotel services operations and may serve as Alternate FSOs when required; supervise personnel assignments, food preparation, menu compliance, and the accurate completion of all required records and forms in accordance with directives; ensure sanitation, equipment maintenance, training, hotel services support, and food quality standards are met; and mentor Culinary Specialists (CSs) in professional development and proper practices.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Food Service, General	180000	Chefs and Head Cooks	35-1011.00	Food Preparation and Serving Related

Skills	Abilities
Quality Control Analysis	*Written Comprehension*
Monitoring	*Deductive Reasoning*
Management of Material Resources	*Oral Expression*
Critical Thinking	*Information Ordering*
Management of Financial Resources	*Problem Sensitivity*
Management of Personnel Resources	*Mathematical Reasoning*
Judgment and Decision Making	*Inductive Reasoning*
Coordination	*Written Expression*
Operation and Control	*Selective Attention*
Systems Analysis	*Spatial Orientation*

HOTEL SERVICES

Paygrade	Task Type	Task Statements
E7	CORE	Approve stateroom, barracks room, and key card assignments
E6	CORE	Assign staterooms, barracks rooms, and key cards
E7	CORE	Maintain hotel services key control
E6	CORE	Maintain stateroom and key card assignment logs
E6	CORE	Manage front desk operations
E7	CORE	Manage hotel services administrative staff (e.g., civilian, military, etc.)
E7	CORE	Manage hotel services maintenance personnel
E7	CORE	Manage housekeeping personnel
E6	CORE	Manage logistical support for hotel services
E6	CORE	Manage occupied barracks rooms inspections
E7	CORE	Manage phased replacement programs
E6	CORE	Manage stateroom and barracks room vacancy inspections
E6	CORE	Supervise hotel services administrative staff (e.g., civilian, military, etc.)
E6	CORE	Supervise hotel services maintenance personnel
E6	CORE	Supervise housekeeping personnel
E7	CORE	Verify furniture inventories
E6	CORE	Verify Very Important Person (VIP) stateroom and barracks consumables (e.g., sheets, robes, towels, etc.)

SANITATION

Paygrade	Task Type	Task Statements
E5	CORE	Conduct daily sanitation inspections
E7	CORE	Conduct weekly sanitation inspections
E5	CORE	Inspect food service personnel hygiene
E5	CORE	Inspect mess facility equipment
E4	CORE	Report insect and pest infestations
E6	CORE	Supervise unfit food disposal operations (e.g., contaminated, spoiled, expired, etc.)
E4	CORE	Verify food storage area temperatures
E4	CORE	Verify food temperatures
E5	CORE	Verify proper food handling

SUPPLY

Paygrade	Task Type	Task Statements
E6	CORE	Inspect food service key logs
E5	CORE	Maintain food service key logs
E5	CORE	Manage store onloads and offloads
E5	CORE	Manage subsistence provisions
E5	NON-CORE	Request appropriated funded supplies
E5	NON-CORE	Request non-appropriated funded supplies
E4	CORE	Requisition daily food items (i.e., Food Item Request/Issue Document (NAVSUP Form 1282))
E5	CORE	Requisition food items (e.g., Food Service Management (FSM), Subsistence Prime Vendor (SPV), Stores Web, etc.)
E6	CORE	Supervise subsistence provisions operations

TECHNICAL ADMINISTRATION AND MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Adjust food item high and low limits
E7	CORE	Analyze food production data
E7	CORE	Approve daily food items requisitions
E7	CORE	Approve food item requisitions
E5	CORE	Audit financial records
E6	CORE	Audit food service inventories
E7	CORE	Authorize operational rations requisitions
E7	CORE	Compare daily food costs to monetary allowance
E6	CORE	Conduct menu planning boards
E7	CORE	Conduct menu review boards
E6	CORE	Conduct Mess Decks Master-at-Arms (MDMAA) duties and responsibilities
E7	NON-CORE	Coordinate special field mess operations
E7	CORE	Coordinate special food service events
E6	CORE	Develop contingency feeding plans (e.g., battle messing)
E5	CORE	Develop Financial Improvement and Audit Readiness (FIAR) responses

TECHNICAL ADMINISTRATION AND MANAGEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Evaluate dining facility operations for accreditation
E5	CORE	Input data into Food Service Management (FSM) system
E5	CORE	Maintain financial records
E7	CORE	Manage Culinary Specialist (CS)/Food Service Assistant (FSA) award programs
E6	CORE	Manage food productions
E7	CORE	Manage food service budgets
E6	NON-CORE	Manage food service field operations
E7	CORE	Manage food service programs
E7	CORE	Manage Hazard Analysis Critical Control Points (HACCP) programs
E6	CORE	Manage insect and pest infestation prevention programs
E7	CORE	Manage meal evaluation programs
E6	CORE	Manage presentation silver
E6	CORE	Manage special food service event schedules
E7	CORE	Oversee Mess Decks Master-at-Arms (MDMAA) duties and responsibilities
E5	CORE	Prepare financial returns
E5	CORE	Prepare Food Preparation Worksheet (NAVSUP Form 1090) forms
E6	CORE	Review meal evaluations for needed actions (e.g., food quality, sanitation, etc.)
E7	CORE	Revise food preparation procedures
E6	CORE	Submit Culinary Specialist (CS)/Food Service Assistant (FSA) award recommendations
E5	CORE	Submit financial reports
E7	CORE	Submit responses to Financial Improvement and Audit Readiness (FIAR) requests
E7	CORE	Validate contingency feeding plans (e.g., battle messing)
E7	CORE	Validate data in Food Service Management (FSM) system
E7	CORE	Validate Financial Accounting and Comprehensive Expenditure Tracking (FACET) system inputs
E7	CORE	Validate Financial Improvement and Audit Readiness (FIAR) responses
E7	CORE	Verify food service key logs

Job Title

Culinary Specialist

Job Code

002609

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Food Preparation and Serving Related	TBD	CULINARY SPECIALIST	CULINARY SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CS	NEC 7XXX, SXXX series and other NECs as assigned

Job Description

Culinary Specialists are responsible for food service and hotel operations, ensuring meals are prepared safely, on time, and in compliance with standards while maintaining high-quality guest services; supervise and train personnel; coordinate daily tasks in food preparation, serving, and hospitality services; monitor food quality, temperatures, and overall customer satisfaction; ensure proper use of equipment, accurate measurement of ingredients, and correct handling of leftovers and supplies; maintain records of financial transactions while submitting required reports; and support efficient workflow, uphold safety and sanitation standards, and provide continuity between shifts or teams across both culinary and hotel services.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Food Service, General	180000	Cooks, Institution and Cafeteria	35-2012.00	Food Preparation and Serving Related

Skills	Abilities
Management of Material Resources	*Written Comprehension*
Monitoring	*Oral Comprehension*
Operation and Control	*Deductive Reasoning*
Quality Control Analysis	*Oral Expression*
Reading Comprehension	*Problem Sensitivity*
Equipment Selection	*Manual Dexterity*
Coordination	*Written Expression*
Management of Financial Resources	*Information Ordering*
Management of Personnel Resources	*Visualization*
Judgment and Decision Making	*Inductive Reasoning*

DINING FACILITY MANAGEMENT

Paygrade	Task Type	Task Statements
E5	NON-CORE	Pack up operational field messing facilities
E4	CORE	Secure mess decks (e.g., cold/hot bars, beverage lines, salad bars, tables, etc.)
E4	CORE	Secure wardrooms (e.g., table setting, side bar, etc.)
E4	CORE	Serve foods (i.e., normal messing and abnormal conditions)
E4	CORE	Set up mess decks (e.g., cold/hot bars, beverage lines, salad bars, tables, etc.)
E5	NON-CORE	Set up operational field messing facilities
E4	CORE	Set up sculleries and deep sinks
E4	CORE	Set up serving lines
E4	CORE	Set up wardrooms (e.g., table setting, side bar, etc.)
E5	CORE	Supervise serving lines

FOOD PREPARATION

Paygrade	Task Type	Task Statements
E4	CORE	Bake food products
E4	CORE	Blanch food products
E4	CORE	Boil food products
E4	CORE	Braise food products
E4	CORE	Break down food service equipment

FOOD PREPARATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Broil food products
E4	CORE	Calculate recipe conversions
E4	CORE	Carve meats
E4	CORE	Chill food products
E4	CORE	Conduct food Quality Assurance (QA) checks
E4	CORE	Create garnishes
E4	CORE	Cut fruits and vegetables
E5	NON-CORE	Decorate advanced cakes (e.g., ceremonial)
E4	CORE	Decorate basic cakes (e.g., icing, masking, etc.)
E4	CORE	Derive requirements from recipes (e.g., required ingredients, required conversions, recipe substitutions, etc.)
E4	NON-CORE	Fry food products
E4	CORE	Grill food products
E4	CORE	Input post-meal data on Food Preparation Worksheet (NAVSUP Form 1090) forms
E4	CORE	Mise en place ingredients
E4	CORE	Plate food products
E4	NON-CORE	Poach food products
E4	CORE	Portion individual servings
E4	CORE	Prepare bakery products
E4	CORE	Prepare food labels
E4	CORE	Prepare leftover food products
E4	CORE	Prepare pre-made food products (e.g., cake mix, freeze dried potatoes, etc.)
E4	CORE	Provide menu change recommendations
E4	CORE	Roast food products
E4	CORE	Sauté food products
E4	CORE	Set up food service equipment
E4	CORE	Shut down food service equipment
E4	CORE	Simmer food products
E4	CORE	Slice food products
E4	NON-CORE	Smoke food products
E4	NON-CORE	Sous vide food products
E4	CORE	Start up food service equipment
E4	CORE	Steam food products
E4	CORE	Stew food products
E4	CORE	Stir-fry food products
E4	CORE	Store subsistence provisions
E4	CORE	Support contingency feeding plans (e.g., battle messing)
E4	CORE	Thaw food products
E4	CORE	Wash food products

HOTEL SERVICES

Paygrade	Task Type	Task Statements
E7	CORE	Approve stateroom, barracks room, and key card assignments
E6	CORE	Assign staterooms, barracks rooms, and key cards
E4	CORE	Clean staterooms
E4	CORE	Collect processed laundry
E4	CORE	Collect soiled laundry
E5	CORE	Conduct furniture inventories
E5	CORE	Conduct stateroom and barracks room vacancy inspections
E5	CORE	Coordinate logistical support for hotel services
E4	CORE	Deliver processed laundry
E4	CORE	Drop off soiled laundry for processing
E5	CORE	Inspect occupied barracks rooms
E5	CORE	Inventory Very Important Person (VIP) stateroom and barracks consumables (e.g., sheets, robes, towels, etc.)
E4	CORE	Maintain hotel service and policy signage
E4	CORE	Maintain hotel services files
E7	CORE	Maintain hotel services key control
E6	CORE	Maintain stateroom and key card assignment logs
E6	CORE	Manage front desk operations
E7	CORE	Manage hotel services administrative staff (e.g., civilian, military, etc.)
E7	CORE	Manage hotel services maintenance personnel
E7	CORE	Manage housekeeping personnel
E6	CORE	Manage logistical support for hotel services
E6	CORE	Manage occupied barracks rooms inspections
E7	CORE	Manage phased replacement programs
E6	CORE	Manage stateroom and barracks room vacancy inspections
E4	CORE	Perform preventive maintenance on linen lockers
E5	CORE	Supervise front desk operations
E6	CORE	Supervise hotel services administrative staff (e.g., civilian, military, etc.)
E6	CORE	Supervise hotel services maintenance personnel
E6	CORE	Supervise housekeeping personnel
E5	CORE	Supervise maintenance and upkeep of barracks grounds (e.g., common areas, parking lots, laundry facilities, etc.)
E7	CORE	Verify furniture inventories
E6	CORE	Verify Very Important Person (VIP) stateroom and barracks consumables (e.g., sheets, robes, towels, etc.)

SANITATION

Paygrade	Task Type	Task Statements
E5	CORE	Conduct daily sanitation inspections
E7	CORE	Conduct weekly sanitation inspections
E4	CORE	Dispose of unfit food (e.g., contaminated, spoiled, expired, etc.) after receiving authorization
E5	CORE	Enforce Hazard Analysis Critical Control Points (HACCP) programs
E5	CORE	Inspect food service personnel hygiene
E5	CORE	Inspect issued provisions
E5	CORE	Inspect leftover foods
E5	CORE	Inspect mess facility equipment
E5	CORE	Inspect sculleries (i.e., operations, equipment, and personnel)
E4	CORE	Maintain proper food handling
E4	CORE	Maintain serving line food temperatures
E4	CORE	Process waste
E4	CORE	Recommend food waste corrective actions
E4	CORE	Report insect and pest infestations
E4	CORE	Sanitize beverage dispensers
E4	CORE	Sanitize dining areas
E4	CORE	Sanitize food preparation equipment
E4	CORE	Sanitize food service areas
E4	CORE	Sanitize food service equipment
E4	CORE	Sanitize food storage areas
E4	CORE	Sanitize galley utensils
E4	CORE	Sanitize refrigerated spaces
E4	CORE	Sanitize sculleries and deep sinks
E4	CORE	Secure sculleries and deep sinks
E4	CORE	Secure serving lines
E4	CORE	Sort waste
E4	CORE	Verify food storage area temperatures
E4	CORE	Verify food temperatures
E5	CORE	Verify proper food handling

SUPPLY

Paygrade	Task Type	Task Statements
E4	CORE	Break out daily menu food items
E4	CORE	Break out supplemental food items
E4	CORE	Inspect subsistence provisions
E4	CORE	Inventory consumables
E4	CORE	Inventory subsistence provisions
E4	CORE	Issue food service consumables
E4	CORE	Issue subsistence provisions
E5	CORE	Maintain food service key logs
E5	CORE	Manage store onloads and offloads
E5	CORE	Manage subsistence provisions
E4	CORE	Organize supply storerooms
E4	CORE	Receive subsistence provisions
E5	NON-CORE	Request appropriated funded supplies
E5	NON-CORE	Request non-appropriated funded supplies
E5	NON-CORE	Requisition consumables
E4	CORE	Requisition daily food items (i.e., Food Item Request/Issue Document (NAVSUP Form 1282))
E5	CORE	Requisition food items (e.g., Food Service Management (FSM), Subsistence Prime Vendor (SPV), Stores Web, etc.)
E6	CORE	Supervise subsistence provisions operations

TECHNICAL ADMINISTRATION AND MANAGEMENT

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer special field mess operations
E5	CORE	Audit financial records
E4	CORE	Collect meal evaluations for needed actions (e.g., food quality, sanitation, etc.)
E4	CORE	Collect meal payments
E6	CORE	Conduct Mess Decks Master-at-Arms (MDMAA) duties and responsibilities
E5	CORE	Conduct receipt inspections
E4	CORE	Deposit meal payments
E5	CORE	Develop Financial Improvement and Audit Readiness (FIAR) responses
E5	CORE	Distribute data for Financial Accounting and Comprehensive Expenditure Tracking system (FACET) program
E5	CORE	Input daily food preparation worksheets data
E5	CORE	Input data in Financial Accounting and Comprehensive Expenditure Tracking (FACET) system
E5	CORE	Input data into Food Service Management (FSM) system
E5	CORE	Maintain financial records
E4	CORE	Maintain presentation silver
E4	CORE	Maintain temperature logs

TECHNICAL ADMINISTRATION AND MANAGEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Manage food service field operations
E4	CORE	Post food nutritional contents (i.e., Go for Green (G4G))
E5	CORE	Prepare financial returns
E5	CORE	Prepare Food Preparation Worksheet (NAVSUP Form 1090) forms
E5	CORE	Prepare operational rations requisitions
E6	CORE	Review meal evaluations for needed actions (e.g., food quality, sanitation, etc.)
E5	CORE	Submit financial reports

CHAPTER 54

CULINARY SPECIALIST (SUBMARINE)
(CSS)

NAVPERS 18068F-54B
Change 105

Updated: January 2026

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NAVY ENLISTED OCCUPATIONAL STANDARDS

FOR

CULINARY SPECIALIST (SUBMARINE) (CSS)

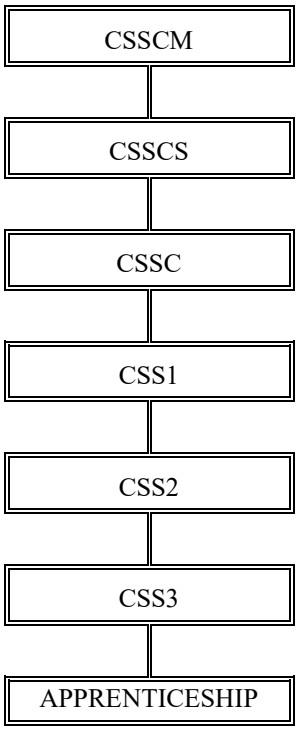
SCOPE OF RATING

Culinary Specialists (Submarine) (CSS) operate and manage Navy messes, afloat and ashore, established to subsist Naval personnel; estimate quantities and types of food items required; assist Supply Officers in ordering and stowage of subsistence items and procurement of equipment and mess gear; check delivery for quantity and assist medical personnel in inspection for quality; prepare menus; plan, prepare, and serve meals; maintain food service spaces and associated equipment, including storerooms and refrigerated spaces, in a clean and sanitary condition; maintain records of financial transactions; and submit required reports.

These Occupational Standards are to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 54.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Submarine Leading Culinary Specialist 002768

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	SUB LEAD CULINARY SPECIALIST	SUB LD CUL SPC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CSS	NEC RXXX, SXXX, 7XXX series and other NECs as assigned

Job Description

Submarine Leading Culinary Specialists provide overall management of galley operations and financial accountability of shore and afloat food service operations; ensure cleanliness is maintained in all food service spaces; train and assess food service personnel; perform oversight of and ensure compliance with marine environmental programs; and emphasize customer service in all aspects of the food service division.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Food Service, General	180000	Food Service Managers	11-9051.00	Management

Skills	Abilities
Monitoring	*Deductive Reasoning*
Quality Control Analysis	*Problem Sensitivity*
Management of Material Resources	*Information Ordering*
Critical Thinking	*Written Comprehension*
Management of Financial Resources	*Written Expression*
Management of Personnel Resources	*Inductive Reasoning*
Systems Analysis	*Mathematical Reasoning*
Systems Evaluation	*Selective Attention*
Coordination	*Fluency of Ideas*
Judgment and Decision Making	*Number Facility*

DINING FACILITY MANAGEMENT

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate equipment maintenance
E4	CORE	Maintain serving line food temperatures

FOOD PREPARATION

Paygrade	Task Type	Task Statements
E4	CORE	Conduct food quality assurance checks
E4	CORE	Derive requirements from recipes (e.g., required ingredients, required conversions, recipe substitutions, etc.)
E4	CORE	Execute contingency feeding plans
E4	CORE	Provide menu change recommendations

SANITATION

Paygrade	Task Type	Task Statements
E7	CORE	Conduct daily walk through of food service spaces
E4	CORE	Conduct sanitation inspections
E4	CORE	Contain food-borne pathogen exposures
E6	CORE	Enforce Hazard Analysis Critical Control Points (HACCP) programs
E6	CORE	Enforce shipboard trash disposal procedures
E4	CORE	Inspect food service personnel hygiene
E4	CORE	Inspect issued foods
E4	CORE	Inspect leftover foods
E5	CORE	Inspect mess facility equipment

SANITATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Inspect scullery operations
E7	CORE	Manage shipboard trash disposal
E4	CORE	Report insect and pest infestations
E5	CORE	Supervise food handling practices
E5	CORE	Supervise serving lines
E4	CORE	Verify food temperatures

SUPPLY

Paygrade	Task Type	Task Statements
E6	CORE	Adjust food item high and low limits
E4	CORE	Inspect subsistence provisions
E4	CORE	Inventory consumables
E4	CORE	Inventory subsistence provisions
E4	CORE	Issue subsistence provisions
E6	CORE	Manage store onloads and offloads
E6	CORE	Manage subsistence provisions
E6	CORE	Purchase appropriated fund supplies
E6	NON-CORE	Purchase non-appropriated fund supplies
E4	CORE	Receive subsistence provisions
E5	CORE	Requisition consumables
E6	CORE	Requisition food items (e.g., Food Service Management (FSM), Subsistence Prime Vendor (SPV), Stores Web, etc.)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Analyze food production data
E7	CORE	Approve contingency feeding plans
E7	CORE	Approve data in Food Service Management (FSM) system
E7	CORE	Approve loadout plans (e.g., provisions, consumables, wastes, etc.)
E7	CORE	Audit Food Preparation Worksheet (NAVSUP Form 1090)
E7	CORE	Audit food service inventories
E6	CORE	Audit meal evaluation programs
E6	CORE	Compare daily food costs to monetary allowance
E4	CORE	Conduct receipt inspections
E6	CORE	Develop contingency feeding plans
E5	CORE	Distribute data for Financial Accounting and Comprehensive Expenditure Tracking system (FACET) program
E6	CORE	Draft loadout plans (e.g., provisions, consumables, wastes, etc.)
E6	CORE	Enforce Food Preparation Worksheet (NAVSUP Form 1090)
E7	CORE	Evaluate food service operations
E5	CORE	Input data into Food Service Management (FSM) system
E7	CORE	Manage audits of Cash Verification Officer (CVO) programs

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Supervise supply operations
E6	CORE	Validate data in Food Service Management (FSM) system
E7	CORE	Validate Food Item Request/Issue (NAVSUP Form 1282) document
E6	CORE	Verify completion of maintenance

TECHNICAL MANAGEMENT

Paygrade	Task Type	Task Statements
E7	CORE	Audit financial records
E6	CORE	Conduct menu planning boards
E7	CORE	Conduct menu review boards
E6	CORE	Conduct Mess Decks Master-at-Arms (MDMAA) duties and responsibilities
E7	CORE	Conduct self-evaluation of dining facility operations
E7	CORE	Coordinate special food service events
E6	NON-CORE	Coordinate stateroom inspections
E5	NON-CORE	Maintain staterooms (e.g., cleanliness, material condition, etc.)
E6	CORE	Manage food productions
E7	CORE	Manage food service budgets
E7	CORE	Manage food service programs
E7	CORE	Manage Hazard Analysis Critical Control Points (HACCP) programs
E6	CORE	Manage insect and pest infestation prevention programs
E7	CORE	Manage meal evaluation programs
E6	CORE	Manage special food service event schedules
E6	CORE	Recommend food waste corrective actions
E7	CORE	Revise food preparation procedures
E6	CORE	Submit food service inventories
E7	CORE	Supervise galley operations
E7	CORE	Validate Financial Improvement and Audit Readiness (FIAR) compliance

Job Title **Job Code**

Submarine Culinary Specialist 002769

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Food Preparation and Serving Related	TBD	SUBMARINE CULINARY SPECIALIST	SUB CUL SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	CSS	NEC RXXX, SXXX, 7XXX series and other NECs as assigned

Job Description

Submarine Culinary Specialists prepare menus; plan, prepare, and serve meals; maintain food service spaces and associated equipment, including storerooms and refrigerated spaces, in a clean and sanitary condition; maintain records of financial transactions and submit required reports; train food service personnel; and maintain, oversee, and manage quarters afloat and ashore.

DoD Relationship **O*NET Relationship**

Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Food Service, General	180000	Cooks, Institution and Cafeteria	35-2012.00	Food Preparation and Serving Related

Skills	Abilities
Management of Material Resources	*Written Comprehension*
Monitoring	*Manual Dexterity*
Operation and Control	*Problem Sensitivity*
Quality Control Analysis	*Deductive Reasoning*
Service Orientation	*Written Expression*
Reading Comprehension	*Information Ordering*
Equipment Selection	*Time Sharing*
Critical Thinking	*Category Flexibility*
Judgment and Decision Making	*Mathematical Reasoning*
Mathematics	*Inductive Reasoning*

DINING FACILITY MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Break down wardrooms (e.g., table setting, side bar, etc.)
E4	CORE	Maintain serving line food temperatures
E4	CORE	Portion individual servings
E4	CORE	Prepare food labels
E4	CORE	Secure mess decks (e.g., cold/hot bars, beverage lines, salad bars, tables, etc.)
E4	CORE	Secure sculleries and deep sinks
E4	CORE	Secure serving lines
E4	CORE	Serve foods (i.e., normal messing, abnormal conditions)
E4	CORE	Set up mess decks (e.g., cold/hot bars, beverage lines, salad bars, tables, etc.)
E4	CORE	Set up sculleries and deep sinks
E4	CORE	Set up serving lines
E4	CORE	Set up wardrooms (e.g., table setting, side bar, etc.)

FOOD PREPARATION

Paygrade	Task Type	Task Statements
E4	CORE	Bake food products (e.g., pastries, breads, desserts, etc.)
E4	CORE	Boil food products
E4	CORE	Braise food products
E4	NON-CORE	Broil food products
E4	CORE	Calculate recipe conversions

FOOD PREPARATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Carve meats
E4	CORE	Chill food products
E4	CORE	Conduct food quality assurance checks
E4	CORE	Create garnishes
E4	CORE	Cut fruits and vegetables
E4	NON-CORE	Decorate cakes
E4	CORE	Derive requirements from recipes (e.g., required ingredients, required conversions, recipe substitutions, etc.)
E4	CORE	Execute contingency feeding plans
E4	CORE	Fry food products
E4	CORE	Grill food products
E4	CORE	Mix food products (e.g., bakery products, prepared products, etc.)
E4	CORE	Prepare bakery products
E4	CORE	Prepare ingredients (e.g., measure, weigh, cut, etc.)
E4	CORE	Prepare leftover food products
E4	CORE	Provide menu change recommendations
E4	CORE	Sauté food products
E4	CORE	Secure food service equipment
E4	CORE	Slice food products
E4	CORE	Start up food service equipment
E4	CORE	Steam food products

SANITATION

Paygrade	Task Type	Task Statements
E4	CORE	Conduct sanitation inspections
E4	CORE	Contain food-borne pathogen exposures
E4	CORE	Dispose of unfit food (e.g., contaminated, spoiled, expired etc.)
E6	CORE	Enforce Hazard Analysis Critical Control Points (HACCP) programs
E6	CORE	Enforce shipboard trash disposal procedures
E4	CORE	Inspect food service personnel hygiene
E4	CORE	Inspect issued foods
E4	CORE	Inspect leftover foods
E5	CORE	Inspect mess facility equipment
E5	CORE	Inspect scullery operations
E4	CORE	Report insect and pest infestations
E4	CORE	Sanitize beverage dispensers
E4	CORE	Sanitize dining areas
E4	CORE	Sanitize food preparation equipment
E4	CORE	Sanitize food service areas
E4	CORE	Sanitize food service equipment
E4	CORE	Sanitize food storage areas

SANITATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Sanitize galley utensils
E4	CORE	Sanitize refrigerated spaces
E4	CORE	Sort waste
E5	CORE	Supervise food handling practices
E5	CORE	Supervise serving lines
E4	CORE	Verify food temperatures

SUPPLY

Paygrade	Task Type	Task Statements
E4	CORE	Break out daily menu food items
E4	CORE	Break out supplemental food items
E5	CORE	Coordinate off-ship laundry services
E4	CORE	Inspect subsistence provisions
E4	CORE	Inventory consumables
E4	CORE	Inventory subsistence provisions
E4	CORE	Issue food service consumables
E4	CORE	Issue subsistence provisions
E6	CORE	Manage store onloads and offloads
E6	CORE	Manage subsistence provisions
E4	CORE	Organize supply storerooms
E4	CORE	Process ship laundry (e.g., wash, dry, store, etc.)
E6	CORE	Purchase appropriated fund supplies
E6	NON-CORE	Purchase non-appropriated fund supplies
E4	CORE	Receive subsistence provisions
E5	CORE	Requisition consumables
E4	CORE	Requisition daily food items
E6	CORE	Requisition food items (e.g., Food Service Management (FSM), Subsistence Prime Vendor (SPV), Stores Web, etc.)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	CORE	Audit meal evaluation programs
E5	CORE	Conduct audits of Cash Verification Officer (CVO) programs
E4	CORE	Conduct receipt inspections
E5	CORE	Distribute data for Financial Accounting and Comprehensive Expenditure Tracking system (FACET) program
E6	CORE	Enforce Food Preparation Worksheet (NAVSUP Form 1090)
E7	CORE	Evaluate food service operations
E4	CORE	Input daily food preparation worksheet data
E5	CORE	Input data into Food Service Management (FSM) system
E4	CORE	Maintain temperature logs
E5	CORE	Manage loadout plans (e.g., provisions, consumables, wastes, etc.)

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Manage unaccompanied housing (e.g., personnel, grounds, facilities, etc.)
E4	CORE	Post food nutritional contents (i.e., Go for Green (G4G))
E6	CORE	Validate data in Food Service Management (FSM) system
E6	CORE	Verify audits of Cash Verification Officer (CVO) programs
E6	CORE	Verify completion of maintenance

TECHNICAL MANAGEMENT

Paygrade	Task Type	Task Statements
E5	NON-CORE	Maintain staterooms (e.g., cleanliness, material condition, etc.)
E6	CORE	Recommend food waste corrective actions
E6	CORE	Submit food service inventories

CHAPTER 55

MISSILE TECHNICIAN
(MT)

NAVPERS 18068F-55G
Change 98

Updated: April 2024

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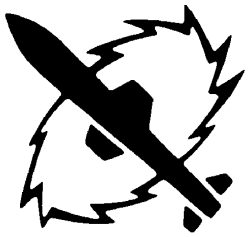
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

MISSILE TECHNICIAN (MT)



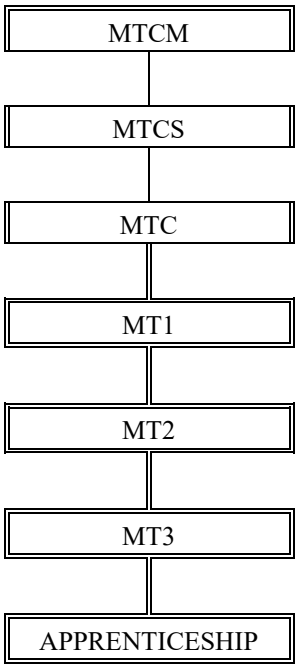
SCOPE OF RATING

Missile Technicians (MT) perform organizational and intermediate level maintenance on the Strategic Weapons System (SWS) on Ballistic Missile Submarines (SSBN) or the Attack Weapons System (AWS) on Guided Missile Submarines (SSGN); operate and maintain the TRIDENT missile, the AWS, Fire Control Systems (FCS), missile systems, launcher systems, and associated support and test equipment; perform operational readiness tests of systems adhering to safety precautions applicable to missile explosive devices, missile hydraulics and missile testing; and participate in missile handling evolutions.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 55.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Strategic Weapons Manager

Job Code

001552

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	STRATEGIC WEAPONS MANAGER	STRAT WEP MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MT	NEC TXXX and 7XXX series and other NECs as assigned

Job Description

Strategic Weapons Managers supervise divisional operations, maintenance, training, and administrative aspects associated with the assembly, maintenance, and repair of nuclear-capable ballistic missiles and their associated missile and launcher systems, advanced electronics and electro-mechanical navigation and targeting systems carried on submarines; and perform critical work functions supporting the training of assigned personnel, repair and maintenance of equipment, and employment of Strategic Weapons Systems (SWS).

DoD Relationship

Group Title	*DoD Code*
Missile Guidance and Control	112100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Mechanics, Installers, and Repairers	49-1011.00	Installation, Maintenance, and Repair

Skills	Abilities
Monitoring	*Problem Sensitivity*
Coordination	*Information Ordering*
Quality Control Analysis	*Selective Attention*
Systems Evaluation	*Written Comprehension*
Management of Personnel Resources	*Inductive Reasoning*
Critical Thinking	*Auditory Attention*
Installation	*Speech Recognition*
Judgment and Decision Making	*Written Expression*
Management of Material Resources	*Oral Expression*
Reading Comprehension	*Deductive Reasoning*

COUNTDOWN OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Administer Strategic Weapons System (SWS) training countdown scenarios
E6	CORE	Create Strategic Weapons System (SWS) training countdown scenarios
E6	CORE	Direct weapons Strategic Weapons System (SWS) training countdown evolutions
E7	CORE	Evaluate Strategic Weapons System (SWS) training countdowns
E7	CORE	Manage Strategic Weapons System (SWS) training countdown evolutions
E7	CORE	Manage Strategic Weapons System (SWS) training countdown operations
E6	CORE	Perform Control and Monitoring Panel (CAMP) countdown operations
E7	CORE	Perform Strategic Weapons System (SWS) Announcer watchstation countdown operations

DATA OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Direct targeting evolutions
E7	CORE	Manage Fire Control System (FCS) data management evolutions
E7	CORE	Manage targeting evolutions
E7	CORE	Manage targeting operations
E7	CORE	Manage weapons system media evolutions
E7	CORE	Manage weapons system media operations
E6	CORE	Supervise Fire Control System (FCS) data management operations

DATA OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise targeting operations
E6	CORE	Supervise weapons system media evolutions
E6	CORE	Supervise Strategic Weapons System (SWS) manual troubleshooting operations
E6	CORE	Supervise targeting evolutions

MAINTENANCE

Paygrade	Task Type	Task Statements
E6	CORE	Direct Strategic Weapons System (SWS) manual troubleshooting evolutions
E7	CORE	Evaluate Strategic Weapons System (SWS) maintenance personnel performance
E7	CORE	Manage Strategic Weapons System (SWS) manual troubleshooting evolutions
E7	CORE	Manage Strategic Weapons System (SWS) manual troubleshooting operations
E7	CORE	Manage Strategic Weapons Systems (SWS) maintenance operations
E7	CORE	Manage Strategic Weapons Systems (SWS) operations
E6	CORE	Sequence Strategic Weapons System (SWS) operations and maintenance evolutions
E6	CORE	Supervise missile tube entry evolutions
E6	CORE	Supervise Strategic Weapons Systems (SWS) maintenance operations
E6	CORE	Supervise Strategic Weapons Systems (SWS) operations

NUCLEAR WEAPONS SAFETY AND SECURITY

Paygrade	Task Type	Task Statements
E7	CORE	Analyze nuclear weapons accident and incident drill data
E7	CORE	Direct nuclear weapons accidents or incidents drills
E7	CORE	Manage nuclear weapons security programs
E7	CORE	Manage submarine weapons casualty recovery evolutions
E7	CORE	Manage submarine weapons casualty recovery operations
E4	CORE	Perform two-person control during Strategic Weapons System (SWS) operations
E4	CORE	Perform two-person rule during Strategic Weapons System (SWS) operations
E7	CORE	Supervise nuclear weapons accidents or incidents control and recovery operations
E6	CORE	Train nuclear weapons security teams
E6	CORE	Verify nuclear weapons security practices

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	NON-CORE	Approve Maintenance and Material Management (3-M) Program plans
E7	CORE	Approve Preventive Maintenance Management Program (PMMP) plans
E7	CORE	Approve weapons system availability plans
E7	CORE	Approve weapons system log entries
E7	CORE	Approve weapons system pre-deployment training schedules
E6	CORE	Audit missile service logs
E6	CORE	Audit Preventive Maintenance Management Programs (PMMP)
E6	CORE	Audit Special Weapons Ordnance Pamphlet (SWOP) program

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Create simulator training scenarios
E5	CORE	Develop in-port Strategic Weapons System (SWS) maintenance schedules
E7	CORE	Develop weapons system manual troubleshooting plans
E5	CORE	Direct Preventive Maintenance Management Program (PMMP) activities
E7	CORE	Establish nuclear weapons security practice and performance standards
E7	CORE	Evaluate ship-wide conditions effects on Strategic Weapons System (SWS) readiness
E7	CORE	Evaluate ship-wide evolution effects on Strategic Weapons System (SWS) operations and maintenance
E7	NON-CORE	Manage Continuing Training and Qualification Software (CTQS) Programs
E7	NON-CORE	Manage Maintenance and Material Management (3-M) Program
E7	NON-CORE	Manage Missile Technician (MT) Continuum Training and Afloat Programs
E7	CORE	Manage nuclear weapons safety administration programs
E6	CORE	Manage Preventive Maintenance Management Programs (PMMP)
E6	CORE	Manage Strategic Weapons System (SWS) conventional ordnance weapons programs
E6	CORE	Manage Strategic Weapons System (SWS) support activities for upgrades, maintenance, training, and testing evolutions
E7	CORE	Manage Strategic Weapons System (SWS) support activities for upgrades, maintenance, training, and testing operations
E7	CORE	Plan Strategic Weapons System (SWS) patrol evolutions
E6	CORE	Plan weapons system pre-deployment training periods
E6	CORE	Prepare Strategic Weapons System (SWS) manual troubleshooting plans
E6	CORE	Prepare Strategic Weapons System (SWS) reports
E6	NON-CORE	Supervise Maintenance and Material Management (3-M) Program
E6	CORE	Supervise Missile Technician (MT) Continuum Training and Afloat Programs
E7	CORE	Validate weapons system Trouble and Failure Reports (TFR)
E6	CORE	Verify Strategic Weapons System (SWS) paper and electronic documentation changes
E6	CORE	Verify weapons system maintenance activity work plans

TECHNICAL OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Conduct missile loads (offloads, onloads)
E6	CORE	Direct conventional ordnance events in Strategic Weapons System (SWS)
E7	CORE	Evaluate Strategic Weapons System (SWS) operations personnel performance
E7	CORE	Manage Explosive Handling Wharf (EHW) operations
E7	CORE	Manage missile tube entry evolutions
E7	CORE	Manage missile tube entry operations
E7	CORE	Manage non-ordnance missile component handling evolutions (installations, removals)
E7	CORE	Manage non-ordnance missile component handling operations (installations, removals)
E7	CORE	Manage Strategic Weapon System (SWS) conventional ordnance handling evolutions (installations, removals)

TECHNICAL OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage Strategic Weapon System (SWS) conventional ordnance handling operations (installations, removals)
E6	CORE	Supervise non-ordnance missile component handling evolutions (installations, removals)
E6	CORE	Supervise non-ordnance missile component handling operations (installations, removals)
E6	CORE	Supervise Strategic Weapon System (SWS) conventional ordnance handling evolutions (installations, removals)
E6	CORE	Supervise Strategic Weapon System (SWS) conventional ordnance handling operations (installations, removals)

Job Title

Strategic Weapons Technician

Job Code

001562

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	STRATEGIC WEAPONS TECHNICIAN	STRAT WEP TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MT	NEC TXXX and 7XXX series and other NECs as assigned

Job Description

Strategic Weapons Technicians manage divisional operations, maintenance, training, and administrative aspects associated with the assembly, maintenance, and repair of nuclear-capable ballistic missiles and their associated missile and launcher systems, advanced electronics and electro-mechanical navigation and targeting systems carried on submarines; and perform critical work functions supporting the training of assigned personnel, repair and maintenance of equipment, and employment of Strategic Weapons Systems (SWS).

DoD Relationship

Group Title	*DoD Code*
Missile Guidance and Control	112100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094.00	Installation, Maintenance, and Repair

Skills	Abilities
Operation and Control	*Written Comprehension*
Monitoring	*Manual Dexterity*
Equipment Maintenance	*Problem Sensitivity*
Systems Analysis	*Selective Attention*
Installation	*Speech Recognition*
Reading Comprehension	*Information Ordering*
Judgment and Decision Making	*Auditory Attention*
Coordination	*Memorization*
Quality Control Analysis	*Time Sharing*
Troubleshooting	*Extent Flexibility*

CONFIGURATION

Paygrade	Task Type	Task Statements
E4	CORE	Configure Fire Control (FC) power equipment
E4	CORE	Configure Missile Control Center (MCC) equipment cooling systems
E4	CORE	Configure missile tube hydraulic system
E4	CORE	Configure Strategic Weapons System (SWS) Fire Control (FC) subsystems
E4	CORE	Control operations of air system components
E4	CORE	Control operations of hydraulic system components
E4	CORE	Control operations of manually-controlled valves
E4	CORE	Control operations of Missile Compartment (MC) Launcher equipment
E4	CORE	Control operations of pneumatically-controlled valves
E4	CORE	Control operations of submarine emergency life support systems
E4	CORE	Control operations of submarine habitability systems
E4	CORE	Inspect Missile Compartment (MC) maintenance areas
E4	NON-CORE	Override hydraulically-controlled valves
E4	CORE	Set Strategic Weapon System (SWS) conditions of readiness
E4	CORE	Verify Missile Gas (MG) system conditions (e.g., nitrogen charge, readiness, portable flask charging, etc.)
E4	CORE	Verify Strategic Weapon System (SWS) conditions of readiness

COUNTDOWN OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Perform Control and Monitoring Panel (CAMP) countdown operations
E5	CORE	Perform Fire Control (FC) supervisor countdown operations
E6	CORE	Perform Launcher watchstation countdown operations
E4	CORE	Perform Missile Compartment (MC) countdown operations (Guidance, Second Level)
E4	CORE	Perform Missile Control Center (MCC) countdown operations
E4	CORE	Perform Missile Control Center (MCC) troubleshooter countdown operations

DATA OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Assist in data management operations
E5	CORE	Conduct media receipts, transfers, and verifications
E5	CORE	Direct Fire Control System (FCS) data collection evolutions
E5	CORE	Direct weapons system media evolutions
E7	CORE	Manage Fire Control System (FCS) data management evolutions
E7	CORE	Manage targeting evolutions
E7	CORE	Manage targeting operations
E7	CORE	Manage weapons system media evolutions
E7	CORE	Manage weapons system media operations
E4	CORE	Perform Fire Control System (FCS) data entry procedures
E4	CORE	Perform Fire Control System (FCS) data printing functions
E4	CORE	Perform targeting operations procedures
E6	CORE	Supervise Fire Control System (FCS) data management operations
E6	CORE	Supervise Strategic Weapons System (SWS) manual troubleshooting operations
E6	CORE	Supervise targeting evolutions
E6	CORE	Supervise weapons system media evolutions
E4	CORE	Verify Fire Control System (FCS) data printouts

MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Adjust Strategic Weapons Systems (SWS) electrical components
E5	CORE	Adjust Strategic Weapons Systems (SWS) mechanical components (e.g., shipboard valves, pumps, actuators, Missile Heating and Cooling (MHC), Missile Dehumidification and Drying (MDD), Missile Gas (MG), Missile Hydraulics (HML), etc.)
E4	NON-CORE	Assist in Strategic Weapons System (SWS) corrective maintenance
E4	NON-CORE	Assist in Strategic Weapons System (SWS) troubleshooting
E5	NON-CORE	Direct Maintenance and Material Management (3-M) Program
E5	CORE	Direct Strategic Weapons System (SWS) maintenance operations
E6	CORE	Direct Strategic Weapons System (SWS) manual troubleshooting evolutions
E4	CORE	Inspect Strategic Weapons Systems (SWS) electrical components

MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Inspect Strategic Weapons Systems (SWS) mechanical components (e.g., shipboard valves, pumps, actuators, Missile Heating and Cooling (MHC), Missile Dehumidification and Drying (MDD), Missile Gas (MG), Missile Hydraulics (HML), etc.)
E4	CORE	Lubricate Strategic Weapons Systems (SWS) electrical components
E4	CORE	Lubricate Strategic Weapons Systems (SWS) mechanical components (e.g., shipboard valves, pumps, actuators, Missile Heating and Cooling (MHC), Missile Dehumidification and Drying (MDD), Missile Gas (MG), Missile Hydraulics (HML), etc.)
E4	CORE	Maintain fiber optic system components
E4	CORE	Preserve Strategic Weapons Systems (SWS) electrical components
E4	CORE	Preserve Strategic Weapons Systems (SWS) mechanical components (e.g., shipboard valves, pumps, actuators, Missile Heating and Cooling (MHC), Missile Dehumidification and Drying (MDD), Missile Gas (MG), Missile Hydraulics (HML), etc.)
E5	CORE	Repair Strategic Weapons System (SWS) component cables
E5	CORE	Repair Strategic Weapons Systems (SWS) electrical components
E5	CORE	Repair Strategic Weapons Systems (SWS) mechanical components (e.g., shipboard valves, pumps, actuators, Missile Heating and Cooling (MHC), Missile Dehumidification and Drying (MDD), Missile Gas (MG), Missile Hydraulics (HML), etc.)
E4	CORE	Replace Strategic Weapons System (SWS) electronic modules
E5	CORE	Replace Strategic Weapons Systems (SWS) electrical components
E5	CORE	Replace Strategic Weapons Systems (SWS) mechanical components (e.g., shipboard valves, pumps, actuators, Missile Heating and Cooling (MHC), Missile Dehumidification and Drying (MDD), Missile Gas (MG), Missile Hydraulics (HML), etc.)
E6	CORE	Supervise missile tube entry evolutions
E6	CORE	Supervise Strategic Weapons Systems (SWS) maintenance operations
E5	CORE	Test Strategic Weapons Systems (SWS) electrical components
E5	CORE	Test Strategic Weapons Systems (SWS) mechanical components (e.g., shipboard valves, pumps, actuators, Missile Heating and Cooling (MHC), Missile Dehumidification and Drying (MDD), Missile Gas (MG), Missile Hydraulics (HML), etc.)
E5	CORE	Troubleshoot Strategic Weapons System (SWS) (e.g., Launcher, Fire Control System (FCS), etc.)
E5	CORE	Troubleshoot Strategic Weapons Systems (SWS) electrical components
E5	CORE	Troubleshoot Strategic Weapons Systems (SWS) mechanical components (e.g., shipboard valves, pumps, actuators, Missile Heating and Cooling (MHC), Missile Dehumidification and Drying (MDD), Missile Gas (MG), Missile Hydraulics (HML), etc.)

NUCLEAR WEAPONS SAFETY AND SECURITY

Paygrade	Task Type	Task Statements
E5	CORE	Develop nuclear weapons accident and incident drill reports
E5	CORE	Develop nuclear weapons accident and incident drill scenarios

NUCLEAR WEAPONS SAFETY AND SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Direct submarine weapons casualty recovery evolutions
E7	CORE	Manage submarine weapons casualty recovery evolutions
E7	CORE	Manage submarine weapons casualty recovery operations
E4	CORE	Perform radiological surveys
E4	CORE	Perform shut down procedures of radiological equipment
E4	CORE	Perform start up procedures of radiological equipment
E4	CORE	Perform Strategic Weapons System (SWS) reader-worker routines
E4	CORE	Perform two-person control during Strategic Weapons System (SWS) operations
E4	CORE	Perform two-person rule during Strategic Weapons System (SWS) operations
E6	CORE	Supervise nuclear weapons security programs

OPERATIONAL TESTS

Paygrade	Task Type	Task Statements
E5	CORE	Conduct at-sea missile testing
E5	CORE	Conduct closure detonator circuit testing
E5	CORE	Conduct fire control diagnostic tests
E5	CORE	Conduct in-port missile testing
E5	CORE	Conduct Missile Compartment (MC) performance checks
E5	CORE	Conduct missile tube tightness tests
E5	CORE	Conduct operational sequence tests
E4	CORE	Establish equipment configuration conditions in Guidance to support missile testing
E4	CORE	Perform Missile Heating and Cooling (MHC) hot water heater operation verification procedures

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Inventory Strategic Weapons System (SWS) equipage
E4	CORE	Locate electronic system operations and maintenance resources (e.g., Fire Control Systems (FCS), Strategic Weapons System Maintenance Information Network (SWSMIN), etc.)
E5	CORE	Manage weapons system documentation programs
E6	CORE	Prepare Strategic Weapons System (SWS) reports
E6	NON-CORE	Schedule simulator/lab training sessions
E6	NON-CORE	Supervise Maintenance and Material Management (3-M) Program
E5	CORE	Update Strategic Weapons System (SWS) maintenance records
E4	NON-CORE	Utilize weapons system training products

TECHNICAL OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Conduct missile loads (offloads, onloads)
E5	CORE	Direct missile tube entry evolutions
E5	CORE	Direct non-ordnance missile component handling evolutions (installations, removals)

TECHNICAL OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Direct Strategic Weapons System (SWS) conventional ordnance handling evolutions (installations, removals)
E4	CORE	Install non-ordnance missile components
E4	CORE	Install Strategic Weapons System (SWS) conventional ordnance components
E7	CORE	Manage missile tube entry evolutions
E7	CORE	Manage missile tube entry operations
E7	CORE	Manage non-ordnance missile component handling evolutions (installations, removals)
E7	CORE	Manage non-ordnance missile component handling operations (installations, removals)
E7	CORE	Manage Strategic Weapon System (SWS) conventional ordnance handling evolutions (installations, removals)
E7	CORE	Manage Strategic Weapon System (SWS) conventional ordnance handling operations (installations, removals)
E5	CORE	Perform Fire Control System (FCS) timing procedures
E5	CORE	Perform missile inspection reader procedures
E4	CORE	Perform missile tube entries
E4	CORE	Remove non-ordnance missile components
E4	CORE	Remove Strategic Weapons System (SWS) conventional ordnance
E6	CORE	Supervise non-ordnance missile component handling evolutions (installations, removals)
E6	CORE	Supervise non-ordnance missile component handling operations (installations, removals)
E6	CORE	Supervise Strategic Weapon System (SWS) conventional ordnance handling evolutions (installations, removals)
E6	CORE	Supervise Strategic Weapon System (SWS) conventional ordnance handling operations (installations, removals)

Job Title

Strategic Weapons Operator

Job Code

001567

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	STRATEGIC WEAPONS OPERATOR	STRAT WEP OPER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MT	NEC TXXX and 7XXX series and other NECs as assigned

Job Description

Strategic Weapons Operators perform organizational and intermediate maintenance operations and administrative aspects associated with the assembly, maintenance, and repair of nuclear-capable ballistic missiles and their associated missile and launcher systems, advanced electronics and electro-mechanical navigation and targeting systems carried on submarines; and perform critical work functions supporting the training of assigned personnel, repair and maintenance of equipment, and employment of Strategic Weapons Systems (SWS).

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Missile Guidance and Control	112100	Maintenance Workers, Machinery	49-9043.00	Installation, Maintenance, and Repair

Skills	Abilities
Operation and Control	*Written Comprehension*
Equipment Maintenance	*Manual Dexterity*
Systems Analysis	*Selective Attention*
Judgment and Decision Making	*Speech Recognition*
Reading Comprehension	*Problem Sensitivity*
Installation	*Memorization*
Monitoring	*Time Sharing*
Coordination	*Oral Comprehension*
Quality Control Analysis	*Extent Flexibility*
Troubleshooting	*Information Ordering*

CONFIGURATION

Paygrade	Task Type	Task Statements
E4	CORE	Adjust missile tube heating and cooling systems
E4	CORE	Configure electrical power to weapons systems and Strategic Weapon System (SWS) ship support system equipment
E4	CORE	Configure Fire Control (FC) power equipment
E5	CORE	Configure hydraulically-controlled valves from Missile Control Center (MCC)
E4	CORE	Configure Missile Control Center (MCC) equipment cooling systems
E4	CORE	Configure missile tube hydraulic system
E4	CORE	Configure Strategic Weapons System (SWS) Fire Control (FC) subsystems
E4	CORE	Control operations of air system components
E4	CORE	Control operations of hydraulic system components
E4	CORE	Control operations of manually-controlled valves
E4	CORE	Control operations of Missile Compartment (MC) Launcher equipment
E4	CORE	Control operations of pneumatically-controlled valves
E4	CORE	Control operations of submarine emergency life support systems
E4	CORE	Control operations of submarine habitability systems
E4	CORE	Inspect Missile Compartment (MC) maintenance areas
E4	NON-CORE	Override hydraulically-controlled valves
E4	CORE	Set Strategic Weapon System (SWS) conditions of readiness

CONFIGURATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Verify Missile Gas (MG) system conditions (e.g., nitrogen charge, readiness, portable flask charging, etc.)
E4	CORE	Verify Strategic Weapon System (SWS) conditions of readiness

COUNTDOWN OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Perform Fire Control (FC) supervisor countdown operations
E6	CORE	Perform Launcher watchstation countdown operations
E4	CORE	Perform Missile Compartment (MC) countdown operations (Guidance, Second Level)
E5	CORE	Perform Missile Compartment (MC) troubleshooter countdown operations
E4	CORE	Perform Missile Control Center (MCC) countdown operations
E4	CORE	Perform Missile Control Center (MCC) troubleshooter countdown operations

DATA OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Assist in data management operations
E5	CORE	Conduct media receipts, transfers, and verifications
E4	CORE	Perform Fire Control System (FCS) data entry procedures
E4	CORE	Perform Fire Control System (FCS) data printing functions
E4	CORE	Perform targeting operations procedures
E4	CORE	Perform weapons system media loads

MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Adjust Strategic Weapons Systems (SWS) electrical components
E5	CORE	Adjust Strategic Weapons Systems (SWS) mechanical components (e.g., shipboard valves, pumps, actuators, Missile Heating and Cooling (MHC), Missile Dehumidification and Drying (MDD), Missile Gas (MG), Missile Hydraulics (HML), etc.)
E4	NON-CORE	Assist in Strategic Weapons System (SWS) corrective maintenance
E4	NON-CORE	Assist in Strategic Weapons System (SWS) troubleshooting
E4	CORE	Clean Strategic Weapons Systems (SWS) electrical components
E4	CORE	Clean weapons Strategic Weapons Systems (SWS) mechanical components (e.g., shipboard valves, pumps, actuators, Missile Heating and Cooling (MHC), Missile Dehumidification and Drying, (MDD), Missile Gas (MG), Missile Hydraulics (HML), etc.)
E4	CORE	Conduct Missile tube Dry and Dehumidification (MDD) operations
E4	CORE	Inspect Strategic Weapons Systems (SWS) electrical components
E4	CORE	Inspect Strategic Weapons Systems (SWS) mechanical components (e.g., shipboard valves, pumps, actuators, Missile Heating and Cooling (MHC), Missile Dehumidification and Drying (MDD), Missile Gas (MG), Missile Hydraulics (HML), etc.)
E4	CORE	Lubricate Strategic Weapons Systems (SWS) electrical components

MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Lubricate Strategic Weapons Systems (SWS) mechanical components (e.g., shipboard valves, pumps, actuators, Missile Heating and Cooling (MHC), Missile Dehumidification and Drying (MDD), Missile Gas (MG), Missile Hydraulics (HML), etc.)
E4	CORE	Maintain fiber optic system components
E4	CORE	Preserve Strategic Weapons Systems (SWS) electrical components
E4	CORE	Preserve Strategic Weapons Systems (SWS) mechanical components (e.g., shipboard valves, pumps, actuators, Missile Heating and Cooling (MHC), Missile Dehumidification and Drying (MDD), Missile Gas (MG), Missile Hydraulics (HML), etc.)
E5	CORE	Repair Strategic Weapons Systems (SWS) electrical components
E5	CORE	Repair Strategic Weapons Systems (SWS) mechanical components (e.g., shipboard valves, pumps, actuators, Missile Heating and Cooling (MHC), Missile Dehumidification and Drying (MDD), Missile Gas (MG), Missile Hydraulics (HML), etc.)
E4	CORE	Replace Strategic Weapons System (SWS) electronic modules
E5	CORE	Replace Strategic Weapons Systems (SWS) electrical components
E5	CORE	Replace Strategic Weapons Systems (SWS) mechanical components (e.g., shipboard valves, pumps, actuators, Missile Heating and Cooling (MHC), Missile Dehumidification and Drying (MDD), Missile Gas (MG), Missile Hydraulics (HML), etc.)
E5	CORE	Test Strategic Weapons Systems (SWS) electrical components
E5	CORE	Test Strategic Weapons Systems (SWS) mechanical components (e.g., shipboard valves, pumps, actuators, Missile Heating and Cooling (MHC), Missile Dehumidification and Drying (MDD), Missile Gas (MG), Missile Hydraulics (HML), etc.)

NUCLEAR WEAPONS SAFETY AND SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Combat nuclear weapons security violations
E4	CORE	Combat submarine weapons casualties
E4	CORE	Conduct nuclear weapons accidents or incidents casualty controls and recoveries
E4	CORE	Perform radiological surveys
E4	CORE	Perform shut down procedures of radiological equipment
E4	CORE	Perform start up procedures of radiological equipment
E4	CORE	Perform Strategic Weapons System (SWS) reader-worker routines
E4	CORE	Perform two-person control during Strategic Weapons System (SWS) operations
E4	CORE	Perform two-person rule during Strategic Weapons System (SWS) operations
E4	NON-CORE	Safeguard nuclear weapons security areas
E6	CORE	Supervise nuclear weapons security programs

OPERATIONAL TESTS

Paygrade	Task Type	Task Statements
E5	CORE	Conduct at-sea missile testing
E5	CORE	Conduct closure detonator circuit testing

OPERATIONAL TESTS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Conduct fire control diagnostic tests
E5	CORE	Conduct in-port missile testing
E5	CORE	Conduct Missile Compartment (MC) performance checks
E5	CORE	Conduct missile tube tightness tests
E5	CORE	Conduct operational sequence tests
E4	CORE	Establish equipment configuration conditions in Guidance to support missile testing
E4	CORE	Perform Missile Heating and Cooling (MHC) hot water heater operation verification procedures

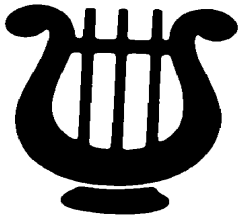
TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Inventory Strategic Weapons System (SWS) equipage
E4	CORE	Locate electronic system operations and maintenance resources (e.g., Fire Control Systems (FCS), Strategic Weapons System Maintenance Information Network (SWSMIN), etc.)
E4	CORE	Perform Strategic Weapons System (SWS) paper-based and electronic publication change procedures
E4	CORE	Prepare Strategic Weapons System (SWS) Trouble and Failure Reports (TFR)
E4	NON-CORE	Utilize weapons system training products

TECHNICAL OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Conduct missile loads (offloads, onloads)
E4	CORE	Install non-ordnance missile components
E4	CORE	Install Strategic Weapons System (SWS) conventional ordnance components
E7	CORE	Manage Strategic Weapon System (SWS) conventional ordnance handling operations (installations, removals)
E5	CORE	Perform Fire Control System (FCS) timing procedures
E4	CORE	Perform missile inspection worker procedures
E4	CORE	Perform missile tube entries
E4	CORE	Remove non-ordnance missile components
E4	CORE	Remove Strategic Weapons System (SWS) conventional ordnance
E6	CORE	Supervise Strategic Weapon System (SWS) conventional ordnance handling evolutions (installations, removals)
E6	CORE	Supervise Strategic Weapon System (SWS) conventional ordnance handling operations (installations, removals)

CHAPTER 56



MUSICIAN
(MU)

NAVPERS 18068F-56E
Change 107

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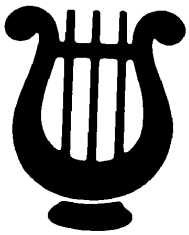
NAVY ENLISTED OCCUPATIONAL STANDARDS

FOR

MUSICIAN (MU)



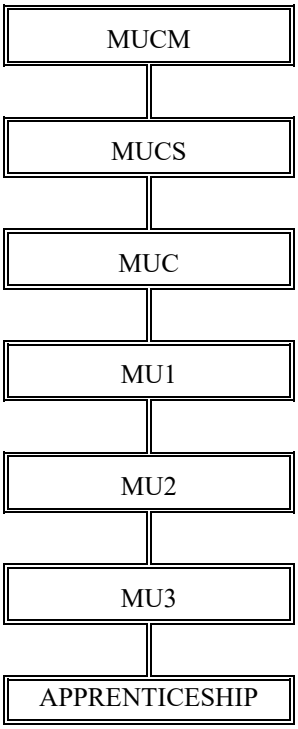
SCOPE OF RATING

Musicians (MU) perform, rehearse, conduct, and arrange music; plan and provide performance production; manage and support Navy bands, performing units, and production teams; provide live music for ceremonial, public affairs, and outreach missions, afloat and ashore, as a strategic and diplomatic asset to maximize naval presence and coalition building initiatives; project a positive image of the United States and Navy at home and abroad; support Navy recruiting objectives; inspire patriotism; and elevate esprit de corps, retention, and pride in naval service.

These Occupational Standards are to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 56.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title
Musician

Job Code
001572

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Arts, Design, Entertainment, Sports, and Media	TBD	MUSICIAN	MUSICIAN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	MU	NEC AXXX series and other NECs as assigned

Job Description
Musicians (MU) perform, rehearse, conduct, and arrange music; plan and provide performance production; manage and support Navy bands, performing units, and production teams; provide live music for ceremonial, public affairs, and outreach missions, afloat and ashore, as a strategic and diplomatic asset to maximize naval presence and coalition building initiatives; project a positive image of the United States and Navy at home and abroad; support Navy recruiting objectives; inspire patriotism; and elevate esprit de corps, retention, and pride in naval service.

DoD Relationship

Group Title	*DoD Code*
Musicians, General	145000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Musicians and Singers	27-2042.00	Arts, Design, Entertainment, Sports, and Media

Skills	Abilities
Critical Thinking	*Information Ordering*
Judgment and Decision Making	*Selective Attention*
Active Listening	*Category Flexibility*
Management of Personnel Resources	*Hearing Sensitivity*
Coordination	*Inductive Reasoning*
Quality Control Analysis	*Auditory Attention*
Time Management	*Written Expression*
Monitoring	*Originality*
Complex Problem Solving	*Time Sharing*
Operation and Control	*Oral Expression*

LIVE PRODUCTION SUPPORT

Paygrade	Task Type	Task Statements
E5	NON-CORE	Configure audio equipment (e.g., microphones, mixing consoles, speakers, etc.)
E5	NON-CORE	Coordinate pre-production audio system requirements (e.g., stage plots, input lists, roles/responsibilities, host teams, etc.)
E5	NON-CORE	Coordinate stage lighting
E5	NON-CORE	Inspect venue electrical power
E5	NON-CORE	Integrate audio system equipment with venue-provided equipment
E4	CORE	Load production equipment
E5	CORE	Manage onsite audio system deployments (e.g., stage plots, input lists, roles/responsibilities, host teams, etc.)
E5	NON-CORE	Manage production power source requirements and usage
E5	NON-CORE	Mix live audio inputs and processed signals
E5	NON-CORE	Optimize audio systems for venue acoustics (e.g., system tuning)
E5	NON-CORE	Perform preventive maintenance on production equipment
E5	NON-CORE	Plan live concert audio systems
E5	NON-CORE	Present performance media content (e.g., projection graphics, voice overs, etc.)
E5	NON-CORE	Repair production equipment (e.g., cabling)
E4	CORE	Set up production equipment
E4	CORE	Tear down production equipment
E5	NON-CORE	Test production equipment
E5	NON-CORE	Troubleshoot production equipment

LIVE PRODUCTION SUPPORT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Unload production equipment
E5	NON-CORE	Verify onsite audio system deployments (e.g., sound checks)

MUSIC PERFORMANCE

Paygrade	Task Type	Task Statements
E6	CORE	Conduct music performances of ceremonial bands (e.g., tempo, phrasing, volume, etc.)
E7	CORE	Conduct music performances of concert bands (e.g., tempo, phrasing, volume, etc.)
E6	CORE	Conduct music performances of marching bands (e.g., tempo, phrasing, volume, etc.)
E4	CORE	Direct music performances of specialty ensembles (e.g., chamber groups, commercial groups, etc.)
E4	CORE	Engage with live audiences
E4	NON-CORE	Improvise music
E6	CORE	Issue commands to ceremonial bands
E7	CORE	Issue commands to concert bands
E6	CORE	Issue commands to marching bands
E5	CORE	Issue commands to specialty ensembles (e.g., chamber groups, commercial groups, etc.)
E4	CORE	Lead instrumental sections during music performances
E6	CORE	Manage sequence and timing of ceremonial band events
E7	CORE	Manage sequence and timing of concert band events
E6	CORE	Manage sequence and timing of marching band events
E5	CORE	Manage sequence and timing of specialty ensemble events (e.g., chamber groups, commercial groups, etc.)
E4	NON-CORE	Perform as featured soloists
E4	CORE	Perform assigned music from memory
E4	CORE	Perform in ceremonial bands
E4	CORE	Perform in concert bands
E4	CORE	Perform in marching bands
E4	CORE	Perform in specialty ensembles (e.g., chamber groups, commercial groups, etc.)
E4	CORE	Perform music at sight
E4	NON-CORE	Perform music on alternate instruments
E4	CORE	Perform solos in ensembles
E4	NON-CORE	Transpose music at sight during performances

PUBLIC AFFAIRS AND AUDIO/VISUAL MEDIA

Paygrade	Task Type	Task Statements
E5	NON-CORE	Capture performance audio (e.g., live, studio, etc.)
E4	NON-CORE	Capture performance video (e.g., live, studio, etc.)
E7	NON-CORE	Coordinate audio/visual productions
E7	CORE	Coordinate public affairs activities (e.g., social media, internet content, print media, advertising, etc.)
E4	NON-CORE	Create performance media content (e.g., projection graphics, voice overs, etc.)

PUBLIC AFFAIRS AND AUDIO/VISUAL MEDIA (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Edit recorded audio (e.g., live performance, studio, etc.)
E4	NON-CORE	Edit recorded video (e.g., live performance, studio, etc.)
E4	NON-CORE	Finalize audio/visual productions
E4	NON-CORE	Finalize performance media content (e.g., projection graphics, voice overs, etc.)
E5	NON-CORE	Finalize recorded audio mixes (e.g., mastering)
E5	NON-CORE	Manage audio/visual productions
E5	CORE	Manage public affairs activities (e.g., social media, internet content, print media, advertising, etc.)
E5	NON-CORE	Mix recorded audio (e.g., live performance, studio, etc.)
E4	CORE	Produce public affairs material (e.g., social media, internet content, print media, advertising, etc.)
E4	CORE	Release public affairs material (e.g., social media, internet content, print media, advertising, etc.)
E4	NON-CORE	Submit audio/visual productions

REHEARSAL AND PREPARATION

Paygrade	Task Type	Task Statements
E6	CORE	Analyze compositions for ceremonial bands
E7	CORE	Analyze compositions for concert bands
E6	CORE	Analyze compositions for marching bands
E5	CORE	Analyze compositions for specialty ensembles (e.g., chamber groups, commercial groups, etc.)
E5	NON-CORE	Arrange music for ceremonial bands
E5	NON-CORE	Arrange music for concert bands
E5	NON-CORE	Arrange music for marching bands
E4	NON-CORE	Arrange music for specialty ensembles (e.g., chamber groups, commercial groups, etc.)
E6	CORE	Coordinate performance requirements for ceremonial bands (e.g., music selection, scripts, protocol, etc.)
E7	CORE	Coordinate performance requirements for concert bands (e.g., music selection, scripts, protocol, etc.)
E6	CORE	Coordinate performance requirements for marching bands (e.g., music selection, scripts, protocol, etc.)
E5	CORE	Coordinate performance requirements for specialty ensembles (e.g., music selection, scripts, protocol, etc.)
E4	CORE	Copy sheet music using standard notation
E4	NON-CORE	Design specialty drills for marching bands (e.g., field shows)
E5	NON-CORE	Guide musicians and conductors on arrangement interpretations
E4	CORE	Load musical equipment
E6	CORE	Manage performance requirements for ceremonial bands (e.g., music selection, scripts, protocol, etc.)
E6	CORE	Manage performance requirements for concert bands (e.g., music selection, scripts, protocol, etc.)

REHEARSAL AND PREPARATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage performance requirements for marching bands (e.g., music selection, scripts, protocol, etc.)
E5	CORE	Manage performance requirements for specialty ensembles (e.g., music selection, scripts, protocol, etc.)
E4	CORE	Perform individual parts in ensemble rehearsals
E4	CORE	Perform preventive maintenance on musical instruments
E6	CORE	Plan ceremonial band rehearsals
E7	CORE	Plan concert band rehearsals
E4	CORE	Plan instrumental section rehearsals
E6	CORE	Plan marching band rehearsals
E5	CORE	Plan specialty ensemble (e.g., chamber groups, commercial groups, etc.) rehearsals
E4	CORE	Practice instrumental performance techniques
E4	CORE	Prepare individual music parts for rehearsals (e.g., transcribe, notate, analyze, practice, etc.)
E4	CORE	Prepare musical instruments (e.g., assemble, tune, etc.)
E6	CORE	Rehearse ceremonial bands
E7	CORE	Rehearse concert bands
E4	CORE	Rehearse instrumental sections
E6	CORE	Rehearse marching bands
E5	CORE	Rehearse specialty ensembles (e.g., chamber groups, commercial groups, etc.)
E6	NON-CORE	Teach specialty drills for marching bands (e.g., field shows)
E4	CORE	Test musical instruments
E5	NON-CORE	Transcribe music for full ensembles
E4	NON-CORE	Transpose music at sight in rehearsal
E4	CORE	Troubleshoot musical instruments
E4	CORE	Unload musical equipment

SUPERVISION AND MANAGEMENT

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate administrative departments of Navy bands
E7	CORE	Coordinate band inventories (e.g., equipment, consumables, repairs, etc.)
E7	CORE	Coordinate logistical support for performing units (e.g., transportation and lodging, site requirements and visits, personnel requirements, etc.)
E7	CORE	Coordinate music libraries
E7	CORE	Coordinate operations of Navy bands (e.g., bookings, assignments, schedules, legal, etc.)
E5	NON-CORE	Evaluate auditions
E6	CORE	Manage administrative functions of Navy bands
E6	NON-CORE	Manage auditions
E5	CORE	Manage band inventories (e.g., equipment, consumables, repairs, etc.)
E5	CORE	Manage logistical support for performing units (e.g., transportation and lodging, site requirements and visits, personnel requirements, etc.)

SUPERVISION AND MANAGEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Manage music libraries
E6	CORE	Manage operations of Navy bands (e.g., bookings, assignments, schedules, legal, etc.)
E5	CORE	Supervise daily operations of performing units
E4	CORE	Support administrative functions of Navy bands

CHAPTER 57

NAVY COUNSELOR (COUNSELOR)
(NCC)

NAVPERS 18068F-57J
Change 103

Updated: July 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

NAVY COUNSELOR (COUNSELOR) (NCC)

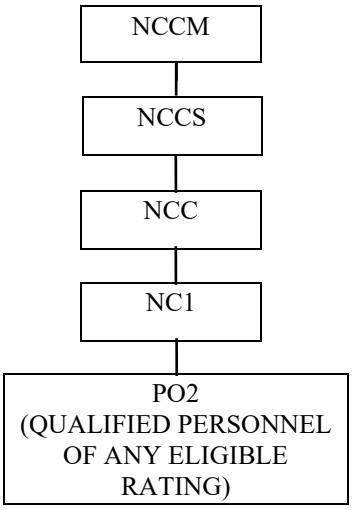
SCOPE OF RATING

Navy Counselors (Counselor) (NCC) assist commands in organizing and implementing aggressive enlisted retention and career information programs; evaluate enlisted Career Development Programs (CDP) within their own command and/or subordinate commands, as applicable; coordinate and supervise counseling efforts; counsel individuals and their family members (as applicable) on the advantages of career opportunities in the Navy; and give command-level presentations on career programs.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 57.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For NCC service rating entry requirements refer to MILPERSMAN articles 1306-618 and 1440-020.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Command Career Counselor

Job Code

001617

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	COMMAND CAREER COUNSELOR	CCC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	NCC	Not applicable

Job Description

Command Career Counselors provide career information guidance and assistance to help Sailors explore and evaluate their education, training, interests, and capabilities; assist commands in organizing and implementing aggressive career information programs; coordinate with other command program coordinators in making sure career and personnel specific programs are being implemented in accordance with current Navy policies; assist Sailors in setting goals based on sound career decisions and identifying opportunities to develop their careers to the fullest.

DoD Relationship

Group Title	*DoD Code*
Recruiting and Counseling	150100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Human Resources Managers	11-3121.00	Management

Skills	Abilities
Monitoring	*Deductive Reasoning*
Coordination	*Information Ordering*
Critical Thinking	*Oral Expression*
Judgment and Decision Making	*Time Sharing*
Speaking	*Problem Sensitivity*
Instructing	*Inductive Reasoning*
Management of Material Resources	*Written Expression*
Active Listening	*Mathematical Reasoning*
Management of Personnel Resources	*Speech Clarity*
Time Management	*Number Facility*

CAREER COUNSELING

Paygrade	Task Type	Task Statements
E6	CORE	Advise personnel on career information programs
E6	CORE	Advise personnel on enlisted assignment processes
E6	CORE	Advise personnel on retirement or Fleet Reserve (FLTRES) programs
E6	CORE	Advise personnel on service school eligibility
E6	CORE	Advise personnel on special career programs
E6	CORE	Advise sailors on reserve affiliation programs (e.g., Prior Service Re-enlistment Eligibility-Reserve (PRISE-R), Career Waypoints (C-WAY), etc.)
E6	NON-CORE	Compile data to assist command in disciplinary action decisions
E6	CORE	Conduct Career Development Boards (CDB)
E6	CORE	Conduct First Term Success Workshop (FTSW) training
E6	NON-CORE	Conduct Reserve Affiliation Success Workshop (RASW) training
E6	CORE	Coordinate Career Development Boards (CDB)
E6	CORE	Coordinate Navy Reserve pre-separation briefings
E6	CORE	Counsel personnel on Career Waypoints (C-WAY) program requirements
E6	CORE	Counsel personnel on enlisted advancement programs
E6	CORE	Counsel personnel on professional growth criteria (e.g., High Year Tenure (HYT), Physical Fitness Assessment (PFA), evaluations, etc.)

CAREER COUNSELING (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Counsel personnel on reenlistment incentive opportunities (e.g., Selective Training and Reenlistment (STAR) program, Selective Reenlistment Bonus (SRB) program, other monetary and incentive programs, etc.)
E6	CORE	Counsel personnel on the Survivor Benefit Plan (SBP)
E6	CORE	Manage Professional Apprenticeship Career Track (PACT) sailor information and statuses
E6	CORE	Provide advancement information
E6	CORE	Provide Capstone counselings
E6	CORE	Provide initial self-assessment counselings
E6	CORE	Provide local service agency referrals (e.g., Warm Handovers, hiring agencies, etc.)
E6	CORE	Provide Navy Voluntary Education (VOLED) program resources
E6	CORE	Provide pre-separation counselings
E6	CORE	Qualify enlisted sailors in Career Waypoints (C-WAY)
E6	CORE	Submit enlisted personnel action requests
E6	CORE	Submit reenlistment incentive documentation (e.g., Selective Training and Reenlistment (STAR) program, other monetary and incentive programs, etc.)
E6	CORE	Submit Selective Reenlistment Bonus (SRB) authorization requests
E6	CORE	Verify career data for special program screenings (e.g., sea and shore special programs, Canvassing Recruiter, etc.)
E6	CORE	Verify reenlistment incentive eligibilities (e.g., Selective Training and Reenlistment (STAR) program, Selective Reenlistment Bonus (SRB) program, other monetary and incentive programs, etc.)
E6	CORE	Verify Transition Assistance Program (TAP) documentation completion

CAREER DEVELOPMENT PROGRAM (CDP) MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Analyze career development data (e.g., Navy Retention Monitoring System (NRMS), Career Information Management System (CIMS), etc.)
E6	CORE	Audit Career Development Programs (CDP)
E6	CORE	Conduct Career Development Program (CDP) training
E6	CORE	Conduct Command Indoctrination briefs
E6	CORE	Coordinate Career Information Program Review (CIPR) assist visits
E6	CORE	Coordinate Career Information Program Review (CIPR) visits
E6	CORE	Coordinate Transition Assistance Program (TAP) processes (e.g., enrollment, documentation, etc.)
E6	CORE	Maintain command retention recognition programs (e.g., benefit books, coins, pens, etc.)
E6	CORE	Manage Career Development Programs (CDP)
E6	CORE	Track Career Development Training Course (CDTC) completions
E6	CORE	Verify client-to-counselor ratios

CAREER DEVELOPMENT TEAM (CDT) MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Brief Career Development Teams (CDT)
E6	CORE	Conduct Career Development Team (CDT) training
E6	CORE	Conduct Career Development Training Courses (CDTC)
E6	CORE	Coordinate Career Development Team (CDT) meetings
E6	CORE	Determine Career Development Team (CDT) member eligibility
E6	CORE	Develop Career Development Team (CDT) training
E6	CORE	Maintain client-to-counselor ratios

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E6	NON-CORE	Assist with Meritorious Advancement Program (MAP)
E6	CORE	Compile demographic data for the Command Resilience Teams (CRT)
E6	CORE	Conduct career information briefs
E6	CORE	Coordinate career development events
E6	CORE	Coordinate career fairs
E6	CORE	Coordinate outside activity visits (e.g., detailers, Navy Recruiting Command (NRC), Fleet Engagement Team (FET), etc.)
E6	CORE	Coordinate reenlistment ceremonies
E6	CORE	Coordinate with agencies to provide career support actions (e.g., Fleet and Family Support Center (FFSC), Military OneSource, etc.)
E6	CORE	Disseminate career information to commands (e.g., email, Plan of the Week (POW), information boards, etc.)
E6	CORE	Participate in Command Resilience Teams (CRT)
E6	CORE	Prepare career development documents (e.g., reports, graphs, charts, etc.)
E6	CORE	Provide applicable materials to ceremony coordinators

PERSONNEL TRACKING

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate with Navy Reserve Command (NRC) to provide career support actions
E6	CORE	Maintain career information correspondence
E6	CORE	Review manning information in MyNavy Assignments
E6	CORE	Review reenlistment contracts for accuracy
E6	CORE	Track First Term Success Workshop (FTSW) training completion
E6	NON-CORE	Track Reserve Affiliation Success Workshop (RASW) training completion
E6	CORE	Verify Fleet Reserve (FLTRES) and retirement submissions
E6	CORE	Verify Military Service Obligations (MSO)
E6	NON-CORE	Verify reserve drilling statuses
E6	NON-CORE	Verify reserve retirement eligibilities

PROGRAM EVALUATION

Paygrade	Task Type	Task Statements
E6	CORE	Analyze reenlistment and attrition data
E6	CORE	Compile reenlistment and attrition data
E6	CORE	Conduct internal Command Information Program Reviews (CIPR)
E6	CORE	Prepare Command Information Program Review (CIPR) Plans of Action and Milestones (POA&M)
E6	CORE	Verify Veterans Opportunity to Work (VOW) compliance

Job Title

Career Specialist

Job Code

001622

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	CAREER SPECIALIST	CAREER SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	NCC	Not applicable

Job Description

Career Specialists develop, coordinate, and implement career information programs and policies within the Navy; oversee regional, battle group, and command training and development; establish rating and staffing requirements; collect and examine retention and attrition data and provide trend analysis; provide executive guidance in all aspects of interviewing and counseling efforts regarding career opportunities and professional development in the Navy; monitor compliance with changing laws and regulations; provide instructional leadership; interview and advise Sailors of Navy policies and requirements; and identify job skills and training opportunities which enhance skills and boost Sailors' satisfaction with their jobs.

DoD Relationship

O*NET Relationship

Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Recruiting and Counseling	150100	Human Resources Managers	11-3121.00	Management

Skills	Abilities
Monitoring	*Deductive Reasoning*
Coordination	*Information Ordering*
Critical Thinking	*Oral Expression*
Judgment and Decision Making	*Problem Sensitivity*
Speaking	*Inductive Reasoning*
Management of Material Resources	*Time Sharing*
Management of Personnel Resources	*Written Expression*
Instructing	*Mathematical Reasoning*
Active Listening	*Speech Clarity*
Time Management	*Written Comprehension*

CAREER COUNSELING

Paygrade	Task Type	Task Statements
E6	CORE	Advise personnel on career information programs
E6	CORE	Advise personnel on enlisted assignment processes
E6	CORE	Advise personnel on retirement or Fleet Reserve (FLTRES) programs
E6	CORE	Advise personnel on service school eligibility
E6	CORE	Advise personnel on special career programs
E6	CORE	Advise sailors on reserve affiliation programs (e.g., Prior Service Re-enlistment Eligibility-Reserve (PRISE-R), Career Waypoints (C-WAY), etc.)
E6	NON-CORE	Compile data to assist command in disciplinary action decisions
E6	CORE	Conduct Career Development Boards (CDB)
E6	CORE	Conduct First Term Success Workshop (FTSW) training
E6	NON-CORE	Conduct Reserve Affiliation Success Workshop (RASW) training
E6	CORE	Coordinate Career Development Boards (CDB)
E6	CORE	Coordinate Navy Reserve pre-separation briefings
E6	CORE	Counsel personnel on Career Waypoints (C-WAY) program requirements
E6	CORE	Counsel personnel on enlisted advancement programs
E6	CORE	Counsel personnel on professional growth criteria (e.g., High Year Tenure (HYT), Physical Fitness Assessment (PFA), evaluations, etc.)

CAREER COUNSELING (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Counsel personnel on reenlistment incentive opportunities (e.g., Selective Training and Reenlistment (STAR) program, Selective Reenlistment Bonus (SRB) program, other monetary and incentive programs, etc.)
E6	CORE	Counsel personnel on the Survivor Benefit Plan (SBP)
E6	CORE	Manage Professional Apprenticeship Career Track (PACT) sailor information and statuses
E6	CORE	Provide advancement information
E6	CORE	Provide Capstone counselings
E6	CORE	Provide initial self-assessment counselings
E6	CORE	Provide local service agency referrals (e.g., Warm Handovers, hiring agencies, etc.)
E6	CORE	Provide Navy Voluntary Education (VOLED) program resources
E6	CORE	Provide pre-separation counselings
E6	CORE	Qualify enlisted sailors in Career Waypoints (C-WAY)
E6	CORE	Submit enlisted personnel action requests
E6	CORE	Submit reenlistment incentive documentation (e.g., Selective Training and Reenlistment (STAR) program, other monetary and incentive programs, etc.)
E6	CORE	Submit Selective Reenlistment Bonus (SRB) authorization requests
E6	CORE	Verify career data for special program screenings (e.g., sea and shore special programs, Canvassing Recruiter, etc.)
E6	CORE	Verify reenlistment incentive eligibilities (e.g., Selective Training and Reenlistment (STAR) program, Selective Reenlistment Bonus (SRB) program, other monetary and incentive programs, etc.)
E6	CORE	Verify Transition Assistance Program (TAP) documentation completion

CAREER DEVELOPMENT PROGRAM (CDP) MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Analyze career development data (e.g., Navy Retention Monitoring System (NRMS), Career Information Management System (CIMS), etc.)
E6	CORE	Audit Career Development Programs (CDP)
E6	CORE	Conduct Career Development Program (CDP) Executive Briefs
E6	CORE	Conduct Career Development Program (CDP) training
E6	CORE	Conduct Command Indoctrination briefs
E6	CORE	Coordinate Career Information Program Review (CIPR) assist visits
E6	CORE	Coordinate Career Information Program Review (CIPR) visits
E6	CORE	Coordinate Transition Assistance Program (TAP) processes (e.g., enrollment, documentation, etc.)
E6	CORE	Maintain command retention recognition programs (e.g., benefit books, coins, pens, etc.)
E6	CORE	Manage Career Development Programs (CDP)
E6	CORE	Track Career Development Training Course (CDTC) completions
E6	CORE	Verify client-to-counselor ratios

CAREER DEVELOPMENT TEAM (CDT) MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Brief Career Development Teams (CDT)
E6	CORE	Conduct Career Development Team (CDT) training
E6	CORE	Conduct Career Development Training Courses (CDTC)
E6	CORE	Coordinate Career Development Team (CDT) meetings
E6	CORE	Determine Career Development Team (CDT) member eligibility
E6	CORE	Develop Career Development Team (CDT) training
E6	CORE	Maintain client-to-counselor ratios

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E6	NON-CORE	Assist with Meritorious Advancement Program (MAP)
E6	CORE	Compile demographic data for the Command Resilience Teams (CRT)
E7	CORE	Compile Meritorious Advancement Program (MAP) data for Budget Submitting Offices (BSO)
E6	CORE	Conduct career information briefs
E6	CORE	Coordinate career development events
E6	CORE	Coordinate career fairs
E6	CORE	Coordinate outside activity visits (e.g., detailers, Navy Recruiting Command (NRC), Fleet Engagement Team (FET), etc.)
E6	CORE	Coordinate reenlistment ceremonies
E6	CORE	Coordinate with agencies to provide career support actions (e.g., Fleet and Family Support Center (FFSC), Military OneSource, etc.)
E6	CORE	Disseminate career information to commands (e.g., email, Plan of the Week (POW), information boards, etc.)
E6	CORE	Participate in Command Resilience Teams (CRT)
E6	CORE	Prepare career development documents (e.g., reports, graphs, charts, etc.)
E6	CORE	Provide applicable materials to ceremony coordinators

PERSONNEL TRACKING

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate with Navy Reserve Command (NRC) to provide career support actions
E6	CORE	Maintain career information correspondence
E6	CORE	Review manning information in MyNavy Assignments
E6	CORE	Review reenlistment contracts for accuracy
E6	CORE	Track First Term Success Workshop (FTSW) training completion
E6	NON-CORE	Track Reserve Affiliation Success Workshop (RASW) training completion
E6	CORE	Verify Fleet Reserve (FLTRES) and retirement submissions
E6	CORE	Verify Military Service Obligations (MSO)
E6	NON-CORE	Verify reserve drilling statuses
E6	NON-CORE	Verify reserve retirement eligibilities

PROGRAM EVALUATION

Paygrade	Task Type	Task Statements
E7	CORE	Analyze Fleet or Force career development statistical data
E6	CORE	Analyze reenlistment and attrition data
E7	CORE	Analyze subordinate command career development statistical data
E7	CORE	Compile Fleet or Force career development statistical data
E6	CORE	Compile reenlistment and attrition data
E6	CORE	Conduct Career Information Program Review (CIPR) assist visits for subordinate commands
E6	CORE	Conduct Career Information Program Review (CIPR) visits for subordinate commands
E6	CORE	Conduct Command Information Program Reviews (CIPR) for subordinate Immediate Superiors In Command (ISIC)
E6	CORE	Conduct internal Command Information Program Reviews (CIPR)
E7	CORE	Evaluate Fleet or Force Career Development Programs (CDP)
E7	CORE	Evaluate Immediate Superior In Command (ISIC) Career Development Programs (CDP)
E7	CORE	Evaluate subordinate command Career Development Programs (CDP)
E7	CORE	Prepare Career Development Program (CDP) reports (e.g., Fleet, Force, or Immediate Superiors In Command (ISIC))
E6	CORE	Prepare Command Information Program Review (CIPR) Plans of Action and Milestones (POA&M)
E7	CORE	Verify Career Development Team (CDT) monthly training
E6	CORE	Verify Command Career Counselors (CCC) billet alignments
E6	CORE	Verify Veterans Opportunity to Work (VOW) compliance

Job Title

Chief Career Counselor

Job Code

003776

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	CHIEF CAREER COUNSELOR	CHIEF CARCNSLR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	NCC	Not Applicable

Job Description

Chief Career Counselors plan, develop, coordinate, and implement career information, programs, and policies in the Navy; oversee regional, battle group, and command training and development; manage aggressive career information and training programs; establish rating and staffing requirements; provide oversight and management of retention and attrition management programs; provide review and analysis of Fleet and Force Career Development Programs (CDP); collect and examine retention and attrition data and provide trend analysis; review career information surveys and provide recommendations and feedback; and provide executive guidance in all aspects of career counseling and ensure compliance with changing laws and regulations.

DoD Relationship

Group Title	*DoD Code*
Recruiting and Counseling	150100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Training and Development Managers	11-3131.00	Management

Skills	Abilities
Monitoring	*Deductive Reasoning*
Coordination	*Information Ordering*
Management of Material Resources	*Oral Expression*
Critical Thinking	*Time Sharing*
Judgment and Decision Making	*Problem Sensitivity*
Management of Personnel Resources	*Written Expression*
Instructing	*Inductive Reasoning*
Speaking	*Mathematical Reasoning*
Time Management	*Written Comprehension*
Active Listening	*Category Flexibility*

CAREER COUNSELING

Paygrade	Task Type	Task Statements
E6	CORE	Advise personnel on career information programs
E6	CORE	Advise personnel on enlisted assignment processes
E6	CORE	Advise personnel on retirement or Fleet Reserve (FLTRES) programs
E6	CORE	Advise sailors on reserve affiliation programs (e.g., Prior Service Re-enlistment Eligibility-Reserve (PRISE-R), Career Waypoints (C-WAY), etc.)
E6	NON-CORE	Compile data to assist command in disciplinary action decisions
E6	CORE	Conduct Career Development Boards (CDB)
E6	CORE	Coordinate Career Development Boards (CDB)
E6	CORE	Coordinate Navy Reserve pre-separation briefings
E6	CORE	Counsel personnel on Career Waypoints (C-WAY) program requirements
E6	CORE	Provide advancement information
E6	CORE	Provide Capstone counselings
E6	CORE	Provide initial self-assessment counselings
E6	CORE	Provide local service agency referrals (e.g., Warm Handovers, hiring agencies, etc.)
E6	CORE	Provide pre-separation counselings
E6	CORE	Verify Transition Assistance Program (TAP) documentation completion

CAREER DEVELOPMENT PROGRAM (CDP) MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Analyze career development data (e.g., Navy Retention Monitoring System (NRMS), Career Information Management System (CIMS), etc.)
E6	CORE	Audit Career Development Programs (CDP)
E6	CORE	Conduct Career Development Program (CDP) Executive Briefs
E6	CORE	Conduct Career Development Program (CDP) training
E6	CORE	Coordinate Career Information Program Review (CIPR) assist visits
E6	CORE	Coordinate Career Information Program Review (CIPR) visits
E6	CORE	Coordinate Transition Assistance Program (TAP) processes (e.g., enrollment, documentation, etc.)
E6	CORE	Maintain command retention recognition programs (e.g., benefit books, coins, pens, etc.)
E6	CORE	Manage Career Development Programs (CDP)
E6	CORE	Track Career Development Training Course (CDTC) completions
E6	CORE	Verify client-to-counselor ratios

CAREER DEVELOPMENT TEAM (CDT) MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Brief Career Development Teams (CDT)
E6	CORE	Conduct Career Development Team (CDT) training
E6	CORE	Coordinate Career Development Team (CDT) meetings
E6	CORE	Develop Career Development Team (CDT) training

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E6	NON-CORE	Assist with Meritorious Advancement Program (MAP)
E6	CORE	Compile demographic data for the Command Resilience Teams (CRT)
E7	CORE	Compile Meritorious Advancement Program (MAP) data for Budget Submitting Offices (BSO)
E6	CORE	Conduct career information briefs
E6	CORE	Coordinate career development events
E6	CORE	Coordinate career fairs
E6	CORE	Coordinate outside activity visits (e.g., detailers, Navy Recruiting Command (NRC), Fleet Engagement Team (FET), etc.)
E6	CORE	Coordinate with agencies to provide career support actions (e.g., Fleet and Family Support Center (FFSC), Military OneSource, etc.)
E7	CORE	Disseminate advancement quotas for the Meritorious Advancement Program (MAP)
E6	CORE	Disseminate career information to commands (e.g., email, Plan of the Week (POW), information boards, etc.)
E6	CORE	Participate in Command Resilience Teams (CRT)
E6	CORE	Prepare career development documents (e.g., reports, graphs, charts, etc.)
E6	CORE	Provide applicable materials to ceremony coordinators

PERSONNEL TRACKING

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate with Navy Reserve Command (NRC) to provide career support actions
E6	CORE	Maintain career information correspondence
E6	CORE	Review manning information in MyNavy Assignments
E6	CORE	Track First Term Success Workshop (FTSW) training completion
E6	NON-CORE	Track Reserve Affiliation Success Workshop (RASW) training completion
E6	CORE	Verify Fleet Reserve (FLTRES) and retirement submissions

PROGRAM EVALUATION

Paygrade	Task Type	Task Statements
E7	CORE	Analyze Fleet or Force career development statistical data
E6	CORE	Analyze reenlistment and attrition data
E7	CORE	Analyze subordinate command career development statistical data
E7	CORE	Compile Fleet or Force career development statistical data
E6	CORE	Compile reenlistment and attrition data
E6	CORE	Conduct Career Information Program Review (CIPR) assist visits for subordinate commands
E6	CORE	Conduct Career Information Program Review (CIPR) visits for subordinate commands
E6	CORE	Conduct Command Information Program Reviews (CIPR) for subordinate Immediate Superiors In Command (ISIC)
E6	CORE	Conduct internal Command Information Program Reviews (CIPR)
E7	CORE	Evaluate Fleet or Force Career Development Programs (CDP)
E7	CORE	Evaluate Immediate Superior In Command (ISIC) Career Development Programs (CDP)
E7	CORE	Evaluate subordinate command Career Development Programs (CDP)
E7	CORE	Prepare Career Development Program (CDP) reports (e.g., Fleet, Force, or Immediate Superiors In Command (ISIC))
E6	CORE	Prepare Command Information Program Review (CIPR) Plans of Action and Milestones (POA&M)
E7	CORE	Verify Career Development Team (CDT) monthly training
E6	CORE	Verify Command Career Counselors (CCC) billet alignments
E6	CORE	Verify Veterans Opportunity to Work (VOW) compliance

CHAPTER 57

NAVY COUNSELOR (RECRUITER)
(NCR)

NAVPERS 18068F-57K
Change 100

Updated: October 2024
Administrative Change (NAVADMIN 016/25)

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

NAVY COUNSELOR (RECRUITER) (NCR)

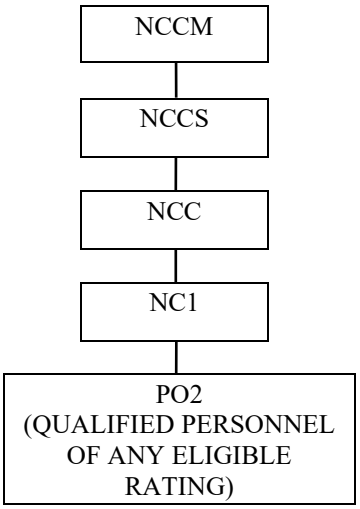
SCOPE OF RATING

Navy Counselors (Recruiter) (NCR) develop and implement effective recruiting plans to achieve assigned missions; analyze market trends and recruiting efforts to make adjustments; supervise and coordinate marketing, prospecting, interviewing, processing, classification, and onboarding activities; deliver presentations to civic groups, workshops, seminars, and targeted populations and their family members on career opportunities in the Navy; provide leadership, career information, mentoring, training, and coaching to assigned personnel, including Future Sailors and Officer Candidates; network with media, educators, civil officials, and community leaders to foster Navy awareness; manage available resources; and enforce policies, programs, and best business practices to ensure compliance.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 57.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For NCR service rating entry requirements, refer to BUPERSINST 1133.29 series and MILPERSMAN 1306-965.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title
Recruiting Supervisor

Job Code
001632

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	RECRUITING SUPERVISOR	RECRUIT SUPV

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	NCR	NEC AXXX and 8XXX series and other NECs as assigned

Job Description
Recruiting Supervisors directly supervise and coordinate activities of Navy recruiting personnel in Officer and Enlisted missions; provide assigned personnel with supervision and guidance on recruitment of qualified individuals for accession into the United States Navy; uphold ethics and customer service standards; conduct training on recruiting systems, techniques, and procedures; supervise and evaluate individual recruiter activity to facilitate goal achievement; analyze demographic and geographic markets to target the most qualified individuals for accession into the Navy; ensure personnel are in compliance with Navy Recruiting Command (NRC) and Navy policies; mentor, train, and develop Future Sailors and Officer Candidates; and oversee the Delayed Entry Program (DEP) and Commissioning Onboarding Program (COP), identifying potential problems, and taking corrective actions.

DoD Relationship

Group Title	*DoD Code*
Recruiting and Counseling	150100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Human Resources Managers	11-3121.00	Management

Skills	Abilities
Monitoring	*Problem Sensitivity*
Quality Control Analysis	*Oral Expression*
Systems Evaluation	*Written Expression*
Critical Thinking	*Written Comprehension*
Coordination	*Inductive Reasoning*
Complex Problem Solving	*Oral Comprehension*
Management of Personnel Resources	*Originality*
Speaking	*Information Ordering*
Writing	*Deductive Reasoning*
Active Listening	*Fluency of Ideas*

APPLICANT PROCESSING

Paygrade	Task Type	Task Statements
E6	CORE	Establish category for security clearances (i.e., Defense Information System for Security (DISS))
E6	CORE	Establish ownership for security clearances (i.e., Defense Information System for Security (DISS))
E6	CORE	Evaluate Military Entrance Processing Station (MEPS) conversion ratios
E5	CORE	Manage applicant kits (i.e., Personalized Recruiting for Immediate and Delayed Enlistment (PRIDE) and Salesforce Applicant Relationship Management (ARM))
E6	CORE	Submit application kits (i.e., Personalized Recruiting for Immediate and Delayed Enlistment (PRIDE) and Salesforce Applicant Relationship Management (ARM))
E6	CORE	Validate applicant waiver requests (e.g., moral, mental, physical, etc.)
E6	CORE	Validate enlisted application kits
E6	CORE	Verify attained not drilled reports
E6	CORE	Verify Military Entrance Processing Station (MEPS) applicants
E6	CORE	Verify prior service applicants are scheduled for enlistment

ONBOARDING

Paygrade	Task Type	Task Statements
E7	CORE	Analyze Delayed Entry Program (DEP) attrition data
E7	CORE	Assign Delayed Entry Program (DEP) referral goals
E7	CORE	Audit recruiting referral recognition program requests
E5	CORE	Conduct Commissioning Onboarding Program (COP) meeting
E5	CORE	Conduct Commissioning Onboarding Program (COP)-Out briefings
E5	CORE	Conduct Delayed Entry Program (DEP) custody turnovers
E5	CORE	Conduct Delayed Entry Program (DEP)-Out briefings
E6	CORE	Conduct executive screenings (i.e., Officer Candidate and Future Sailor (FS))
E5	CORE	Counsel potential Commissioning Onboarding Program (COP) attrites
E5	CORE	Counsel potential Delayed Entry Program (DEP) attrites
E7	CORE	Determine Delayed Entry Program (DEP) Slope Target (DST) posture deficiencies
E7	CORE	Develop attrition reduction plans (i.e., Delayed Entry Program (DEP) and Commissioning Onboarding Program (COP))
E7	CORE	Develop Commissioning Onboarding Program (COP) meeting improvement plans
E6	CORE	Develop Delayed Entry Program (DEP) meeting improvement plans
E7	CORE	Evaluate Commissioning Onboarding Program (COP) meetings
E7	CORE	Evaluate Commissioning Onboarding Program (COP) referral goal attainment
E7	CORE	Evaluate Commissioning Onboarding Program (COP) team building evolutions
E7	CORE	Evaluate Delayed Entry Program (DEP) meetings
E6	CORE	Evaluate Delayed Entry Program (DEP) referral goal attainment
E7	CORE	Evaluate Delayed Entry Program (DEP) team building evolutions
E5	CORE	Identify potential Commissioning Onboarding Program (COP) attrites
E5	CORE	Identify potential Delayed Entry Program (DEP) attrites
E7	CORE	Initiate Commissioning Onboarding Program (COP) roll-ins/roll-outs
E5	CORE	Initiate Delayed Entry Program (DEP) Slope Target (DST) roll-ins/roll-outs and reclassifications
E7	CORE	Maintain Commissioning Onboarding Program (COP) problem lists
E7	CORE	Maintain Delayed Entry Program (DEP) problem lists
E7	CORE	Manage Commissioning Onboarding Programs (COP)
E7	CORE	Manage Delayed Entry Programs (DEP)
E7	CORE	Manage Future Sailor (FS) status changes (e.g., Delayed Entry Program Action Requests (DAR))
E7	CORE	Manage Officer Candidate status change requests (e.g., Officer Candidate Action Requests (OCAR))
E7	CORE	Perform Commissioning Onboarding Program (COP) audits
E7	CORE	Perform Delayed Entry Program (DEP) audits
E6	CORE	Plan Delayed Entry Program (DEP) team building evolutions
E5	CORE	Report Future Sailor (FS) status changes (e.g., Delayed Entry Program Action Requests (DAR))
E6	CORE	Submit Delayed Entry Program (DEP) problem lists
E7	CORE	Track Commissioning Onboarding Program (COP) problem resolutions

ONBOARDING (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Track Commissioning Onboarding Program (COP) referral dispositions
E7	CORE	Track Delayed Entry Program (DEP) problem resolutions
E6	CORE	Track Delayed Entry Program (DEP) referral dispositions
E6	CORE	Validate final documents required for programs prior to shipping (e.g., high school transcripts, Final Select (FINSEL) documents, etc.)
E6	CORE	Validate recruiting referral recognition program requests
E7	CORE	Verify Commissioning Onboarding Program (COP) indoctrination and meeting requirements compliance
E6	CORE	Verify Delayed Entry Program (DEP) indoctrination and meeting requirements compliance
E6	CORE	Verify Delayed Entry Program (DEP) run assessments
E7	CORE	Verify executive screenings (i.e., Officer Candidate, Future Sailor (FS))
E6	CORE	Verify Future Sailor (FS) and Officer Candidate Physical Readiness Tests (PRT) and Body Composition Assessments (BCA)
E6	CORE	Verify Future Sailor (FS) status changes (e.g., Delayed Entry Program Action Requests (DAR))
E6	CORE	Verify Naval Special Warfare (NSW) and Naval Special Operations (NSO) Physical Screening Tests (PST)

OPERATIONS AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Analyze recruiting Key Performance Indicators (KPI)
E7	CORE	Analyze statistical data and reports (i.e., Strength Weaknesses Opportunities and Threats (SWOT))
E6	CORE	Conduct new recruiter indoctrinations
E6	CORE	Conduct Recruiter Development Board (RDB) remediations
E5	CORE	Conduct recruiting sales conversations
E5	CORE	Conduct sales labs
E7	NON-CORE	Coordinate management of resource allocations (e.g., station move request, assets allocation, etc.)
E5	CORE	Document all applicant data and recruiter activities (i.e., Applicant Relationship Management (ARM))
E7	CORE	Enforce recruiting ethics and customer service standards
E7	CORE	Establish recruiting ethics and customer service standards
E6	CORE	Evaluate recruiting activity calendars
E6	CORE	Evaluate recruiting sales conversations
E7	CORE	Evaluate recruiting systems (e.g., Station Market Analysis Review Technique (SMART), Recruiter Production Management System (RPMS), etc.)
E5	CORE	Generate recruiting referrals
E7	CORE	Identify staff vacancies (i.e., Canvasser Recruiter (CANREC))
E5	CORE	Implement recruiting ethics and customer service standards
E7	CORE	Interview applicants for staff vacancies (i.e., Canvasser Recruiter (CANREC))
E7	CORE	Maintain domicile-to-duty government vehicle logs

OPERATIONS AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Maintain recruiting activity calendars
E5	CORE	Maintain recruiting trackers (e.g., Internal Request Document (IRD), Military Entrance Processing Station (MEPS), etc.)
E5	CORE	Manage complaints, disputes, and grievances (e.g., parents, influencers, schools, etc.)
E6	CORE	Manage recruiter assistance program personnel (e.g., Recruiter Assistance Program (RAP), Officer Hometown Area Recruiting Program (OHARP), Senior Minority Assistance to Recruiting Program (SEMINAR), etc.)
E6	CORE	Manage recruiting systems (e.g., Station Market Analysis Review Technique (SMART), Recruiter Production Management System (RPMS), etc.)
E6	CORE	Perform turnover inspections
E6	CORE	Provide input to Recruiter Development Boards (RDB)
E7	CORE	Provide recruiter transfer recommendations (i.e., fault, no fault, and incompatible)
E7	CORE	Recruit applicants for staff vacancies (i.e., Canvasser Recruiter (CANREC))
E5	CORE	Request recruiting funding (e.g., Internal Request Documents (IRD))
E6	CORE	Resolve recruiting Key Performance Indicators (KPI) deficiencies
E6	CORE	Track recruiting Key Performance Indicators (KPI)
E5	CORE	Update recruiting customer records (e.g., Applicant Relationship Management (ARM), Personalized Recruiting for Immediate and Delayed Enlistment (PRIDE), etc.)
E7	CORE	Verify customer transitions in recruiting pipeline
E6	CORE	Verify recruiting customer records (e.g., Applicant Relationship Management (ARM), Personalized Recruiting for Immediate and Delayed Enlistment (PRIDE), etc.)
E7	CORE	Verify turnover inspections

PRODUCTION, PROSPECTING, AND MARKETING

Paygrade	Task Type	Task Statements
E6	CORE	Analyze All Service Accession Data (ASAD)
E6	CORE	Analyze applicant logs (i.e., qualified, unqualified, and no shows)
E6	CORE	Analyze recruitment advertising feedback
E6	CORE	Assess prospect feedback data (i.e., Local Effective Accession Delivery System (LEADS))
E6	CORE	Assign recruiter Areas of Responsibility (AOR)
E6	CORE	Assign Schools of Area Responsibility (SOAR)
E7	CORE	Assign station and recruiter goals
E7	CORE	Calculate station and recruiter goals
E6	CORE	Conduct applicant executive screenings
E6	CORE	Conduct Daily Production Reviews (DPR)
E6	CORE	Conduct lead executive calls (i.e., Local Effective Accession Delivery System (LEADS))
E6	CORE	Conduct ride-alongs with recruiters (e.g., 72-hour indoctrinations, presentations, school visits, School of Area of Responsibility (SOAR), interviews, etc.)
E6	CORE	Coordinate collection of high school, college, and university lists
E6	CORE	Coordinate national and local conference participation

PRODUCTION, PROSPECTING, AND MARKETING (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Design recruitment advertisements
E6	CORE	Determine lead-generating recruitment initiatives
E7	CORE	Develop recruiting plans of action for high priority ratings (e.g., Naval Special Warfare (NSW), Naval Special Operations (NSO), nuclear engineers, etc.)
E7	CORE	Develop recruiting strategies to meet current or anticipated goals
E7	CORE	Develop recruitment advertising plans
E7	CORE	Develop school visit plans (e.g., high school, college, and university)
E5	CORE	Develop strategic partnerships and Centers of Influence (COI)
E7	CORE	Enforce execution of command school canvassing plan
E6	CORE	Ensure school lists are entered into recruiting systems (e.g., high school lists, college lists, university lists, etc.)
E7	CORE	Enter school lists into recruiting systems (e.g., high school lists, college lists, university lists, etc.)
E6	CORE	Establish Schools of Area Responsibility (SOAR)
E6	CORE	Evaluate new recruiters on developing strategic partnerships and Centers of Influence (COI)
E7	CORE	Evaluate officer recruiting marketing and prospecting activities
E6	CORE	Evaluate prospecting plans
E6	CORE	Evaluate recruiter Areas of Responsibility (AOR)
E7	CORE	Evaluate recruiting presentations (i.e., enlisted, officer, and special programs)
E6	CORE	Evaluate recruiting production (e.g., Production Analysis Training and Evaluation (PATE), school visits, Centers of Influence (COI), etc.)
E6	CORE	Evaluate social networking activities
E6	CORE	Evaluate Target Market Centers (TMC)
E5	CORE	Maintain applicant logs (i.e., qualified, unqualified, and no shows)
E5	CORE	Maintain strategic partnerships and Centers of Influence (COI)
E6	CORE	Manage inventory of Recruiting Aid Devices (RAD)
E7	CORE	Manage local recruitment advertising
E6	CORE	Manage prospecting plans
E6	CORE	Manage referral dispositions (i.e., Delayed Entry Program (DEP) and Commissioning Onboarding Program (COP))
E7	CORE	Manage social networking enhancement tools
E5	CORE	Order Recruiting Aid Devices (RAD)
E6	CORE	Perform executive screenings for no-show appointments
E5	CORE	Perform follow-ups with Qualified Not Enlisted (QNE) applicants
E6	CORE	Recommend Navy recruiting office locations
E7	CORE	Recommend updates to recruiting fair market distributions
E5	CORE	Report daily production information (i.e., Officer Production Review (OPR) and Daily Production Review (DPR))
E6	CORE	Review goal recap sheets
E6	CORE	Screen recruitment advertising initiative responses

PRODUCTION, PROSPECTING, AND MARKETING (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Track recruiting trends
E6	CORE	Track lead ratios
E7	CORE	Validate local lead generation performance data
E6	CORE	Verify follow-up of local and national leads
E6	CORE	Verify recruiters canvass assigned Areas of Responsibility (AOR) using all modes of prospecting

RECRUITING COMMAND ASSESSMENT

Paygrade	Task Type	Task Statements
E6	CORE	Conduct on-site recruiting assessments
E7	NON-CORE	Conduct sales workshops
E7	CORE	Coordinate preparation for recruiting administrative, material, and/or operational readiness assessments and inspections
E7	CORE	Define recruiting best practices
E7	NON-CORE	Develop annual recruiting assessment schedules
E7	NON-CORE	Develop command training plans
E7	NON-CORE	Develop recruiting assessment checklists
E7	NON-CORE	Develop recruiting assessment plans
E7	NON-CORE	Implement command training plans
E7	NON-CORE	Maintain command training plans
E7	NON-CORE	Maintain master training databases (e.g., Personnel Status Report (PSR), Fleet Training Management and Planning System (FLTMPS), etc.)
E7	NON-CORE	Organize training assist visits
E7	NON-CORE	Recommend on-site recruiting assessment locations
E7	NON-CORE	Schedule sales workshops
E7	NON-CORE	Write recruiting assessment reports

Job Title **Job Code**

Career Recruiter (Enlisted) 002793

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Business and Financial Operations	TBD	RECRUITER ENLISTED	RECRUITER ENL

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	NCR	NEC 8XXX series and other NECs as assigned

Job Description

Career Recruiters (Enlisted) seek out, interview, and screen applicants to fill existing and future job openings; promote United States Navy Active and Reserve enlisted career opportunities within organizations; uphold ethics and customer service standards; build and submit applications for enlistment; train and mentor Future Sailors; manage the Delayed Entry Program (DEP); and communicate and liaise effectively with prospects, groups, and the community.

DoD Relationship

Group Title	*DoD Code*
Recruiting and Counseling	150100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Human Resources Specialists	13-1071.00	Business and Financial Operations

Skills	Abilities
Speaking	*Oral Expression*
Coordination	*Oral Comprehension*
Active Listening	*Written Expression*
Writing	*Inductive Reasoning*
Instructing	*Written Comprehension*
Monitoring	*Problem Sensitivity*
Operation and Control	*Information Ordering*
Quality Control Analysis	*Originality*
Complex Problem Solving	*Speed of Closure*
Management of Personnel Resources	*Spatial Orientation*

APPLICANT PROCESSING

Paygrade	Task Type	Task Statements
E5	CORE	Analyze applicant kit processing data
E5	CORE	Arrange applicant travel (e.g., train, bus, plane, etc.)
E5	CORE	Build initial applicant kits
E5	CORE	Collect application kit documents
E5	CORE	Collect references on applicants (i.e., personal and professional)
E5	CORE	Conduct exit interviews (e.g., attrite, unqualified applicant, etc.)
E5	CORE	Conduct Military Entrance Processing Station (MEPS) briefs
E5	CORE	Confirm enlistment and/or commissioning documentation signatures
E5	CORE	Coordinate background checks on applicants
E5	CORE	Coordinate enlistment, commissioning, and remote swear-in ceremonies
E5	CORE	Coordinate medical screening and testing of applicants (e.g., Armed Services Vocational Aptitude Battery (ASVAB), Aviation Selection Test Battery (ASTB), Navy Advanced Programs Test (NAPT), Defense Language Aptitude Battery (DLAB), Officer Aptitude Rating (OAR), etc.)
E5	CORE	Counsel applicants on the rating compatibility process
E5	CORE	Counsel rejected applicants
E5	CORE	Manage applicant kits (i.e., Personalized Recruiting for Immediate and Delayed Enlistment (PRIDE) and Salesforce Applicant Relationship Management (ARM))
E5	CORE	Prepare application kits for submission (i.e., Personalized Recruiting for Immediate and Delayed Enlistment (PRIDE) and Salesforce Applicant Relationship Management (ARM))

APPLICANT PROCESSING (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Prepare enlistment and/or commissioning documents
E5	CORE	Schedule Military Entrance Processing Station (MEPS) applicants
E5	CORE	Submit applicant security requests (e.g., Personnel Security Investigation (PSI), Personnel Security Screening Questionnaire (PSSQ), etc.)
E5	CORE	Submit applicant waiver requests (e.g., moral, mental, physical, etc.)
E5	CORE	Validate applicant eligibilities

ONBOARDING

Paygrade	Task Type	Task Statements
E5	CORE	Assemble prior service Reserve Component (RC) residual records
E5	CORE	Collect final documents required for programs prior to shipping (e.g., high school transcripts, Final Select (FINSEL) documents, etc.)
E5	CORE	Conduct Delayed Entry Program (DEP) custody turnovers
E5	CORE	Conduct Delayed Entry Program (DEP) meetings
E5	CORE	Conduct Delayed Entry Program (DEP) recertifications
E5	CORE	Conduct Delayed Entry Program (DEP) team building evolutions
E5	CORE	Conduct Delayed Entry Program (DEP)-Out briefings
E5	CORE	Conduct Future Sailor (FS) advancement ceremonies
E5	CORE	Conduct Future Sailor (FS) and Officer Candidate indoctrinations (e.g., Delayed Entry Program (DEP), 72-hour indoctrinations, etc.)
E5	CORE	Conduct Naval Special Warfare (NSW) and Naval Special Operations (NSO) candidate screenings
E5	CORE	Conduct phone contacts with Future Sailors (FS) and Officer Candidates
E5	CORE	Conduct Physical Training (PT) sessions
E5	CORE	Coordinate Delayed Entry Program (DEP) meetings
E5	CORE	Coordinate Future Sailor (FS) and Officer Candidate Physical Readiness Tests (PRT) and Body Composition Assessments (BCA)
E5	CORE	Coordinate Naval Special Warfare (NSW) and Naval Special Operations (NSO) Physical Screening Tests (PST)
E5	CORE	Counsel potential Delayed Entry Program (DEP) attrites
E5	CORE	Identify potential Delayed Entry Program (DEP) attrites
E5	CORE	Initiate Delayed Entry Program (DEP) Slope Target (DST) roll-ins/roll-outs and reclassifications
E5	CORE	Mentor Future Sailors (FS) and Officer Candidates
E5	CORE	Report Future Sailor (FS) status changes (e.g., Delayed Entry Program Action Requests (DAR))
E5	CORE	Submit recruiting referral recognition program requests
E5	CORE	Verify completion of Future Sailor (FS) and collegiate Personnel Qualification Standards (PQS)
E5	CORE	Verify possession of hold harmless agreements and release from liability certificates

OPERATIONS AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Conduct recruiting sales conversations
E5	CORE	Conduct sales labs
E5	CORE	Document all applicant data and recruiter activities (i.e., Applicant Relationship Management (ARM))
E5	CORE	Generate recruiting referrals
E5	CORE	Implement recruiting ethics and customer service standards
E5	CORE	Maintain recruiting activity calendars
E5	CORE	Maintain recruiting trackers (e.g., Internal Request Document (IRD), Military Entrance Processing Station (MEPS), etc.)
E5	CORE	Manage complaints, disputes, and grievances (e.g., parents, influencers, schools, etc.)
E5	CORE	Proctor Armed Services Vocational Aptitude Battery (ASVAB) tests
E5	CORE	Request recruiting funding (e.g., Internal Request Documents (IRD))
E5	CORE	Transport recruiting customers (e.g., applicants, Future Sailors (FS), Officer Candidates, etc.)
E5	CORE	Update recruiting customer records (e.g., Applicant Relationship Management (ARM), Personalized Recruiting for Immediate and Delayed Enlistment (PRIDE), etc.)

PRODUCTION, PROSPECTING, AND MARKETING

Paygrade	Task Type	Task Statements
E5	CORE	Administer screening tests (i.e., Pending Internet Computerized Adaptive Testing (PiCAT) and Armed Services Vocational Aptitude Battery (ASVAB) Predictor Test (APT))
E5	CORE	Blueprint prospects
E5	CORE	Calculate recruiting production (e.g., Production Analysis Training and Evaluation (PATE), school visits, Centers of Influence (COI), etc.)
E5	CORE	Canvass Areas of Responsibility (AOR)
E5	CORE	Collect high school and college lists
E5	CORE	Conduct enlisted applicant interviews (e.g., active duty, New Accession Training (NAT), prior service, etc.)
E5	CORE	Conduct enlisted program presentations (e.g., active duty, New Accession Training (NAT), prior service, etc.)
E5	CORE	Conduct school visits (e.g., high school, college, trade schools, etc.)
E5	CORE	Conduct special program applicant interviews (e.g., Naval Special Warfare (NSW), Naval Special Operations (NSO), Nuclear, priority ratings, Navy Reserve Officer Training Corps (NROTC), etc.)
E5	CORE	Conduct special program presentations (e.g., Naval Special Warfare (NSW), Naval Special Operations (NSO), Nuclear, priority ratings, Navy Reserve Officer Training Corps (NROTC), etc.)
E5	CORE	Coordinate Navy work experiences for Centers of Influence (COI) (e.g., Educator Orientation Visits (EOV))
E5	CORE	Create recruiting applicant records (e.g., Applicant Relationship Management (ARM), Personalized Recruiting for Immediate and Delayed Enlistment (PRIDE), etc.)
E5	CORE	Develop prospecting plans

PRODUCTION, PROSPECTING, AND MARKETING (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Develop strategic partnerships and Centers of Influence (COI)
E5	CORE	Generate Navy awareness at community events (e.g., fundraising drives, blood donor drives, patriotic holidays, professional organization events, etc.)
E5	CORE	Identify potential Target Market Centers (TMC) (e.g., schools, clubs, professional organizations, etc.)
E5	CORE	Maintain applicant logs (i.e., qualified, unqualified, and no shows)
E5	CORE	Maintain strategic partnerships and Centers of Influence (COI)
E6	CORE	Manage referral dispositions (i.e., Delayed Entry Program (DEP) and Commissioning Onboarding Program (COP))
E5	CORE	Manage social networking accounts
E5	CORE	Order Recruiting Aid Devices (RAD)
E5	CORE	Perform follow-ups on all no-show appointments
E5	CORE	Perform follow-ups with Qualified Not Enlisted (QNE) applicants
E5	CORE	Perform prospecting evolutions (e.g., Personally Developed Contacts (PDC), telephone, referrals, leads, online applicants, social networking, etc.)
E5	CORE	Plan enlisted program presentations (e.g., active duty, New Accession Training (NAT), prior service, etc.)
E5	CORE	Plan special program presentations (e.g., Naval Special Warfare (NSW), Naval Special Operations (NSO), Nuclear, priority ratings, Navy Reserve Officer Training Corps (NROTC), etc.)
E5	CORE	Provide feedback on recruiting events (i.e., After Action Reports (AAR))
E5	CORE	Provide lead feedback (i.e., Navy Advertising and Leads Tracking System (NALTS) tab via Applicant Relationship Management (ARM))
E5	CORE	Recruit at prospect-generating events (e.g., job fairs, career fairs, etc.)
E5	CORE	Report daily production information (i.e., Officer Production Review (OPR) and Daily Production Review (DPR))
E5	CORE	Set prospective applicant appointments

Job Title

Career Recruiter (Officer)

Job Code

002821

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Business and Financial Operations	TBD	RECRUITER OFFICER	RECRUITER OFF

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	NCR	NEC 8XXX series and other NECs as assigned

Job Description

Career Recruiters (Officer) seek out, interview, and screen applicants to fill existing and future job openings; promote United States Navy Active and Reserve officer career opportunities within organizations; uphold ethics and customer service standards; build and submit applications for enlistment and commissioning; train and mentor Officer Candidates; manage the Commissioning Onboarding Program (COP); and communicate and liaise effectively with prospects, groups, and the community.

DoD Relationship

Group Title	*DoD Code*
Recruiting and Counseling	150100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Human Resources Specialists	13-1071.00	Business and Financial Operations

Skills	Abilities
Speaking	*Oral Expression*
Coordination	*Oral Comprehension*
Quality Control Analysis	*Written Comprehension*
Writing	*Written Expression*
Active Listening	*Problem Sensitivity*
Monitoring	*Information Ordering*
Instructing	*Originality*
Operation and Control	*Inductive Reasoning*
Management of Personnel Resources	*Speed of Closure*
Time Management	*Spatial Orientation*

APPLICANT PROCESSING

Paygrade	Task Type	Task Statements
E5	CORE	Analyze applicant kit processing data
E5	CORE	Arrange applicant travel (e.g., train, bus, plane, etc.)
E5	CORE	Build initial applicant kits
E5	CORE	Collect application kit documents
E5	CORE	Collect references on applicants (i.e., personal and professional)
E5	CORE	Conduct exit interviews (e.g., attrite, unqualified applicant, etc.)
E5	CORE	Conduct Military Entrance Processing Station (MEPS) briefs
E5	CORE	Confirm enlistment and/or commissioning documentation signatures
E5	CORE	Coordinate background checks on applicants
E5	CORE	Coordinate enlistment, commissioning, and remote swear-in ceremonies
E5	CORE	Coordinate medical screening and testing of applicants (e.g., Armed Services Vocational Aptitude Battery (ASVAB), Aviation Selection Test Battery (ASTB), Navy Advanced Programs Test (NAPT), Defense Language Aptitude Battery (DLAB), Officer Aptitude Rating (OAR), etc.)
E5	CORE	Coordinate officer processing for application kits
E5	CORE	Counsel rejected applicants
E5	CORE	Inform officer applicants on the status of application kits
E5	CORE	Manage applicant kits (i.e., Personalized Recruiting for Immediate and Delayed Enlistment (PRIDE) and Salesforce Applicant Relationship Management (ARM))

APPLICANT PROCESSING (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Prepare application kits for submission (i.e., Personalized Recruiting for Immediate and Delayed Enlistment (PRIDE) and Salesforce Applicant Relationship Management (ARM))
E5	CORE	Prepare enlistment and/or commissioning documents
E5	CORE	Schedule Military Entrance Processing Station (MEPS) applicants
E5	CORE	Submit applicant security requests (e.g., Personnel Security Investigation (PSI), Personnel Security Screening Questionnaire (PSSQ), etc.)
E5	CORE	Submit applicant waiver requests (e.g., moral, mental, physical, etc.)
E5	CORE	Submit officer application kits to Officer Processing Lead (OPL)
E5	CORE	Transfer prospects and applicants not qualified for officer programs to enlisted recruiter
E5	CORE	Validate applicant eligibilities

ONBOARDING

Paygrade	Task Type	Task Statements
E5	CORE	Assemble prior service Reserve Component (RC) residual records
E5	CORE	Collect final documents required for programs prior to shipping (e.g., high school transcripts, Final Select (FINSEL) documents, etc.)
E5	NON-CORE	Conduct collegiate advancements
E5	CORE	Conduct Commissioning Onboarding Program (COP) meeting
E5	CORE	Conduct Commissioning Onboarding Program (COP) recertifications
E5	CORE	Conduct Commissioning Onboarding Program (COP) team building evolutions
E5	CORE	Conduct Commissioning Onboarding Program (COP)-Out briefings
E5	CORE	Conduct Future Sailor (FS) and Officer Candidate indoctrinations (e.g., Delayed Entry Program (DEP), 72-hour indoctrinations, etc.)
E5	CORE	Conduct phone contacts with Future Sailors (FS) and Officer Candidates
E5	CORE	Conduct Physical Training (PT) sessions
E5	CORE	Coordinate Commissioning Onboarding Program (COP) meetings
E5	CORE	Coordinate Future Sailor (FS) and Officer Candidate Physical Readiness Tests (PRT) and Body Composition Assessments (BCA)
E5	CORE	Coordinate Naval Special Warfare (NSW) and Naval Special Operations (NSO) Physical Screening Tests (PST)
E5	CORE	Counsel potential Commissioning Onboarding Program (COP) attrites
E5	CORE	Create Officer Candidate status change requests (e.g., Officer Candidate Action Requests (OCAR))
E5	CORE	Identify potential Commissioning Onboarding Program (COP) attrites
E5	CORE	Mentor Future Sailors (FS) and Officer Candidates
E5	CORE	Report issues negatively impacting Officer Candidate shipping (i.e., adverse Collegiate Management Reports (CMR))
E5	CORE	Submit Officer Candidate status change requests (e.g., Officer Candidate Action Requests (OCAR))
E5	CORE	Submit recruiting referral recognition program requests

ONBOARDING (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Validate collegiates meet basic eligibility, service agreement, and program-specific requirements (i.e., Collegiate Management Reports (CMR))
E5	CORE	Verify completion of Future Sailor (FS) and collegiate Personnel Qualification Standards (PQS)
E5	CORE	Verify possession of hold harmless agreements and release from liability certificates

OPERATIONS AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Conduct recruiting sales conversations
E5	CORE	Conduct sales labs
E5	CORE	Document all applicant data and recruiter activities (i.e., Applicant Relationship Management (ARM))
E5	CORE	Generate recruiting referrals
E5	CORE	Implement recruiting ethics and customer service standards
E5	CORE	Maintain recruiting activity calendars
E5	CORE	Maintain recruiting trackers (e.g., Internal Request Document (IRD), Military Entrance Processing Station (MEPS), etc.)
E5	CORE	Manage complaints, disputes, and grievances (e.g., parents, influencers, schools, etc.)
E5	CORE	Request recruiting funding (e.g., Internal Request Documents (IRD))
E5	CORE	Transport recruiting customers (e.g., applicants, Future Sailors (FS), Officer Candidates, etc.)
E5	CORE	Update recruiting customer records (e.g., Applicant Relationship Management (ARM), Personalized Recruiting for Immediate and Delayed Enlistment (PRIDE), etc.)

PRODUCTION, PROSPECTING, AND MARKETING

Paygrade	Task Type	Task Statements
E5	CORE	Blueprint prospects
E5	CORE	Calculate recruiting production (e.g., Production Analysis Training and Evaluation (PATE), school visits, Centers of Influence (COI), etc.)
E5	CORE	Canvass Areas of Responsibility (AOR)
E5	CORE	Collect college and university lists
E5	CORE	Conduct campus visits within assigned Area of Responsibility (AOR) (e.g., colleges, universities, etc.)
E5	CORE	Conduct officer applicant interviews (e.g., General Officer (GENOFF) active and reserve, medical officer active and reserve, etc.)
E5	CORE	Conduct officer program presentations (e.g., General Officer (GENOFF) active and reserve, medical officer active and reserve, etc.)
E5	CORE	Coordinate Navy work experiences and interviews for officer applicants (e.g., Medical Very Important Prospects (MEDVIP), Nuclear Very Important Prospects (NUCVIP), chaplain applicants, etc.)
E5	CORE	Coordinate Navy work experiences for Centers of Influence (COI) (e.g., Educator Orientation Visits (EOV))
E5	CORE	Counsel applicants on the designator compatibility process

PRODUCTION, PROSPECTING, AND MARKETING (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Create recruiting applicant records (e.g., Applicant Relationship Management (ARM), Personalized Recruiting for Immediate and Delayed Enlistment (PRIDE), etc.)
E5	CORE	Develop prospecting plans
E5	CORE	Develop strategic partnerships and Centers of Influence (COI)
E5	CORE	Document officer recruiting marketing and prospecting activities (i.e., Officer Recruiter Annual Market and Prospecting System (ORAMPS) and Applicant Relationship Management (ARM))
E5	CORE	Generate Navy awareness at community events (e.g., fundraising drives, blood donor drives, patriotic holidays, professional organization events, etc.)
E5	CORE	Identify potential Target Market Centers (TMC) (e.g., schools, clubs, professional organizations, etc.)
E5	CORE	Maintain applicant logs (i.e., qualified, unqualified, and no shows)
E5	CORE	Maintain strategic partnerships and Centers of Influence (COI)
E6	CORE	Manage referral dispositions (i.e., Delayed Entry Program (DEP) and Commissioning Onboarding Program (COP))
E5	CORE	Manage social networking accounts
E5	CORE	Order Recruiting Aid Devices (RAD)
E5	CORE	Perform follow-ups on all no-show appointments
E5	CORE	Perform follow-ups with qualified not commissioned applicants (e.g., Professional Recommended Officer - Yes (PRO-Y), Professional Recommended Officer - alternate (PRO-A), etc.)
E5	CORE	Perform prospecting evolutions (e.g., Personally Developed Contacts (PDC), telephone, referrals, leads, online applicants, social networking, etc.)
E5	CORE	Plan officer program presentations (e.g., General Officer (GENOFF) active and reserve, medical officer active and reserve, etc.)
E5	CORE	Provide feedback on recruiting events (i.e., After Action Reports (AAR))
E5	CORE	Provide feedback to officer recruiting marketing and prospecting plans (i.e., Officer Recruiter Annual Market and Prospecting System (ORAMPS))
E5	CORE	Provide input to officer recruiting marketing and prospecting plans (i.e., Officer Recruiter Annual Market and Prospecting System (ORAMPS))
E5	CORE	Provide lead feedback (i.e., Navy Advertising and Leads Tracking System (NALTS) tab via Applicant Relationship Management (ARM))
E5	CORE	Recruit at prospect-generating events (e.g., job fairs, career fairs, etc.)
E5	CORE	Report daily production information (i.e., Officer Production Review (OPR) and Daily Production Review (DPR))
E5	CORE	Set prospective applicant appointments

CHAPTER 59

OPERATIONS SPECIALIST
(OS)

NAVPERS 18068F-59K
Change 106

Updated: April 2026

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

OPERATIONS SPECIALIST (OS)

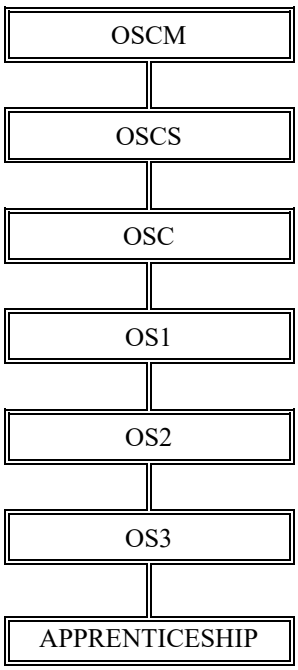
SCOPE OF RATING

Operations Specialists (OS) advise on shipboard and expeditionary warfare operations and navigation; maintain Combat Information Center (CIC)/Combat Direction Center (CDC) and expeditionary/tactical operational center displays and provide strategic plotting for warfare areas, weapons control and navigation; operate surveillance radars, identification equipment, communications equipment, and associated Command and Control (C2) equipment; interpret and evaluate radar presentations and tactical situations and make recommendations to senior leadership; apply current procedures and doctrine to CIC/CDC operations as specified by Joint/Allied/U.S. Navy publications and instructions; and display and disseminate tactical information during Surface Warfare (SUW), Integrated Air and Missile Defense (IAMD), Undersea Warfare (USW), Amphibious Warfare (AMW), Mine Warfare (MIW), Expeditionary Warfare (EXW), Electronic Warfare (EW), Littoral Warfare (LW), Naval Surface Fire Support (NSFS), and Search and Rescue (SAR) operations.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 59.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Combat Air Controller 003738

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	COMBAT AIR CONTROLLER	COM AIR CTRLR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	OS	NEC WXXX, 7XXX series and other NECs as assigned

Job Description

Combat Air Controllers control assigned aircraft in simple or multiple warfare environments by using radios, radars, and other means; control fixed-wing and/or rotary aircraft from land, carrier-based, or own ship's assets; provide safety of flight, passing of information, directions, and necessary assistance to aircraft in the event of emergencies; and utilize assigned aircraft as an extension of own ship's weapons.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Radar	122100	Command and Control Center Specialists	55-3015.00	Military Specific

Skills	Abilities
Judgment and Decision Making	*Problem Sensitivity*
Critical Thinking	*Inductive Reasoning*
Coordination	*Information Ordering*
Operation and Control	*Deductive Reasoning*
Active Listening	*Oral Expression*
Monitoring	*Written Comprehension*
Reading Comprehension	*Control Precision*
Writing	*Written Expression*
Speaking	*Time Sharing*
Management of Personnel Resources	*Auditory Attention*

AMPHIBIOUS WARFARE (AMW) OPERATIONS

Paygrade	Task Type	Task Statements
E7	NON-CORE	Make battle group Amphibious Warfare (AMW) operation requirement recommendations
E7	CORE	Manage air assets for Amphibious Warfare (AMW) operations
E4	CORE	Report amphibious contacts
E4	CORE	Track amphibious contacts
E4	CORE	Update amphibious contact information
E5	CORE	Validate Amphibious Warfare (AMW) plots

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Authenticate tactical signals
E4	CORE	Decode tactical signals
E4	CORE	Encode tactical signals
E4	CORE	Log external tactical communications
E7	CORE	Make operational and situational reports (e.g., Air Defense (AD), Ballistic Missile Defense (BMD), Sea Combat Commander (SCC), etc.)
E5	CORE	Manage communication plans
E4	CORE	Monitor Line of Sight (LOS) tactical networks and circuits
E4	CORE	Monitor Radio Frequency (RF) circuits

COMMUNICATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform external communications (i.e., ship-to-ship, ship-to-shore, and ship-to-air)
E4	CORE	Record tactical communications audio (i.e., internal and external)
E4	CORE	Test Combat Information Center (CIC)/Combat Direction Center (CDC) communication systems

ELECTRONIC SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust radar settings remotely
E4	CORE	Configure Command, Control, Communications, Computers, Combat Systems, and Intelligence (C5I) systems for operations (i.e., watch, prosecution, and weapons employment)
E4	CORE	Configure display systems
E4	CORE	Configure Identification Friend or Foe (IFF) equipment
E4	CORE	Configure network systems
E4	CORE	Configure radar automatic tracking features
E4	CORE	Configure radar repeaters
E5	CORE	Configure Tactical Air Navigation (TACAN) systems
E4	CORE	Configure Tactical Display Systems (TDS)
E4	CORE	Evaluate Automatic Identification Systems (AIS) information
E4	CORE	Evaluate radar performance
E4	CORE	Evaluate system statuses (e.g., Tactical Display System (TDS), radar, Identification Friend or Foe (IFF), etc.)
E4	CORE	Initialize radar repeaters
E4	CORE	Input data into electronic charting systems (e.g., navigational, geographical, emergent, etc.)
E4	CORE	Perform link-track correlations
E4	CORE	Process emergency signals
E4	CORE	Resolve contact identification conflicts
E4	CORE	Verify Identification Friend or Foe (IFF) information
E4	CORE	Verify track-identification information

INTEGRATED AIR AND MISSILE DEFENSE (IAMD)

Paygrade	Task Type	Task Statements
E4	CORE	Analyze air contacts
E4	CORE	Analyze Air Defense (AD) intelligence data
E4	CORE	Assess air contact priorities
E4	CORE	Assign symbology to air contacts
E5	NON-CORE	Authenticate Return to Force (RTF) procedures
E4	CORE	Classify air contacts
E7	CORE	Coordinate aircraft emergency situations
E7	NON-CORE	Develop Air Warfare (AW) Pre-Planned Responses (PPR)

INTEGRATED AIR AND MISSILE DEFENSE (IAMD) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Evaluate air contact information
E4	CORE	Input air contact search parameters
E4	CORE	Log air contact data
E4	CORE	Log space or ballistic contact data
E4	CORE	Maintain aeronautical charts and publications
E7	CORE	Manage engagement of air targets with anti-air weapons
E7	CORE	Manage shipboard Air Defense (AD) operations
E7	CORE	Plan shipboard Air Defense (AD) operations
E4	CORE	Plot Air Defense (AD) operations
E5	NON-CORE	Provide intercept recommendations for air contacts
E4	CORE	Recommend air contact classifications
E4	CORE	Recommend air contact priorities
E7	CORE	Recommend Air Defense (AD) search and engagement plans and tactics
E4	CORE	Recommend space or ballistic contact classifications
E4	CORE	Report air contacts
E5	CORE	Report air engagement Battle Damage Assessments (BDA)
E5	NON-CORE	Report controlled aircraft statuses
E5	CORE	Report Return to Force (RTF) assets
E4	CORE	Track air contacts
E4	CORE	Update air contact information
E5	NON-CORE	Update controlled aircraft statuses
E4	CORE	Validate air contact classifications
E5	CORE	Validate Air Defense (AD) plots
E6	CORE	Validate Ballistic Missile Defense (BMD) plots
E4	CORE	Validate space or ballistic contact classifications

NAVIGATION

Paygrade	Task Type	Task Statements
E4	CORE	Assess magnetic variations
E4	CORE	Correlate lookout information with radar presentations
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) anchoring evolutions

SEARCH AND RESCUE (SAR) OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Provide Search and Rescue (SAR) approaches for aircraft

SURFACE WARFARE (SUW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze surface contacts
E4	CORE	Analyze Surface Warfare (SUW) intelligence data

SURFACE WARFARE (SUW) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Assess surface contact priorities
E4	CORE	Assign symbology to surface contacts
E4	CORE	Classify surface contacts
E7	NON-CORE	Develop Surface Warfare (SUW) Pre-Planned Responses (PPR)
E4	CORE	Evaluate surface contact information
E4	CORE	Log surface contact data
E7	CORE	Manage engagement of surface targets with anti-surface weapons
E7	CORE	Manage shipboard Surface Warfare (SUW) operations
E4	CORE	Plot surface contacts
E4	CORE	Provide intercept recommendations for surface contacts
E4	CORE	Recommend surface contact classifications
E4	CORE	Recommend surface contact priorities
E7	CORE	Recommend Surface Warfare (SUW) search and engagement plans and tactics
E4	CORE	Report surface contacts
E4	CORE	Report surface engagement Battle Damage Assessments (BDA)
E4	CORE	Track surface contacts
E4	CORE	Update surface contact information
E4	CORE	Validate surface contact classifications
E5	CORE	Validate Surface Warfare (SUW) plots

TACTICAL SUPPORT OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate combat and weapon systems software and firmware installations and updates
E5	CORE	Interpret operational requirements (e.g., Operational Orders (OPORDS), Operational Plans (OPLAN), Operational Taskings (OPTASK), etc.)
E4	CORE	Report environmental data
E4	CORE	Test network interfaces
E6	CORE	Verify interpretations of operational requirements (e.g., Operational Orders (OPORDS), Operational Plans (OPLAN), Operational Taskings (OPTASK), etc.)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Configure systems to Commanding Officer's (CO) battle orders
E5	CORE	Coordinate personnel qualification and certification programs
E5	CORE	Draft operational messages
E4	CORE	Interpret Naval messages
E4	CORE	Inventory Communications Security (COMSEC) classified materials
E4	CORE	Maintain Combat Information Center (CIC)/Combat Direction Center (CDC) watch logs
E7	CORE	Manage personnel qualification and certification programs

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform divisional maintenance
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E5	CORE	Supervise Emergency Action Plan (EAP) and Emergency Destruction Plan (EDP) actions
E6	CORE	Supervise personnel qualification and certification programs

UNDERSEA WARFARE (USW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze subsurface contacts
E4	NON-CORE	Analyze Undersea Warfare (USW) intelligence data
E4	CORE	Assign symbology to subsurface contacts
E5	CORE	Compute subsurface contact course and speed
E7	CORE	Evaluate subsurface contact acoustic information
E5	CORE	Evaluate subsurface contact information
E7	CORE	Evaluate Undersea Warfare (USW) plots
E4	NON-CORE	Identify subsurface contact Closest Point of Approach (CPA)
E4	NON-CORE	Log amplifying subsurface contact data
E4	CORE	Log subsurface contact data
E7	CORE	Manage engagement of subsurface targets with anti-submarine weapons
E4	CORE	Plot subsurface contacts
E4	CORE	Plot Water Space Management (WSM) areas
E4	CORE	Recommend subsurface contact classifications
E4	CORE	Recommend subsurface contact priorities
E5	NON-CORE	Recommend Undersea Warfare (USW) search and attack plans, and tactics
E4	CORE	Report subsurface contacts
E4	CORE	Track subsurface contacts
E4	CORE	Update subsurface contact information
E4	CORE	Validate subsurface contact classifications
E5	CORE	Validate Undersea Warfare (USW) plots
E7	CORE	Validate Water Space Management (WSM) plans

WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze equipment and system status data
E4	CORE	Analyze threat weapons data
E7	CORE	Assign contact priorities (e.g., Air Warfare (AW) Surface Warfare (SUW), etc.)
E5	CORE	Brief tactical, operational, and situational status reports
E4	CORE	Collect equipment and system status data
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Conduct watchstander briefs
E4	CORE	Configure Combat Information Centers (CIC)/Combat Direction Centers (CDC)
E4	CORE	Configure combat systems equipment
E4	CORE	Configure computer and peripheral systems
E4	CORE	Configure internal communications networks
E4	CORE	Configure operating modes of systems (i.e., training and normal operations)
E4	CORE	Configure radar systems
E7	CORE	Coordinate Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during casualty conditions
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during normal operations
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions
E7	CORE	Coordinate combat systems watch teams (i.e., Link Response Team (LRT))
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E7	CORE	Coordinate transitions of Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Derive requirements from Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines
E5	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E5	CORE	Develop watchstander briefs
E7	CORE	Direct execution of Warfare Commander's intentions
E4	CORE	Disseminate tactical information
E4	CORE	Document equipment and system status data
E4	CORE	Document magnetic variations
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E4	CORE	Input magnetic variations
E5	CORE	Interpret requirements from technical briefs, notices, and bulletins
E4	CORE	Log emergency signals
E6	CORE	Manage Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during casualty conditions
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during normal operations
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage transition of Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform Pre-Planned Responses (PPR)
E4	CORE	Report aircraft emergency situations
E7	CORE	Report assignment and engagement status of own ship's weapons systems
E4	CORE	Report emergency signals
E4	CORE	Set Emission Control (EMCON) conditions
E5	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during casualty conditions
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during normal operations
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions
E5	CORE	Supervise transition of Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Test Tactical Display Systems (TDS)
E4	CORE	Transition Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Troubleshoot network interfaces (e.g., Aegis Weapon Systems (AWS), Embedded Training Systems (ETS), etc.)
E4	CORE	Troubleshoot Tactical Display Systems (TDS)
E4	CORE	Update plotting and status boards
E5	CORE	Verify Emission Control (EMCON) status
E5	CORE	Verify systems configurations to Commanding Officer's (CO) battle orders

Job Title **Job Code**

Navigation and Plotting Specialist 003739

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	NAVIGATION AND PLOTTING SPEC	NAV PLOT SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	OS	NEC WXXX, 7XXX series and other NECs as assigned

Job Description

Navigation and Plotting Specialists provide assistance to the Navigation Officer ensuring the safe navigation of the ship for inland and open ocean navigation; calculate and compute maneuvering boards for safe navigation around shipping and other maritime contacts; and maintain various displays and plots to include, but not limited to Search and Rescue (SAR) operations, Amphibious Warfare (AMW), Undersea Warfare (USW), Naval Surface Fire Support (NSFS), and Surface Warfare (SUW) plots, navigation, weather, and anchoring operations.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Radar	122100	Command and Control Center Specialists	55-3015.00	Military Specific

Skills	Abilities
Coordination	*Problem Sensitivity*
Judgment and Decision Making	*Information Ordering*
Operation and Control	*Inductive Reasoning*
Writing	*Flexibility of Closure*
Critical Thinking	*Written Comprehension*
Mathematics	*Deductive Reasoning*
Reading Comprehension	*Oral Expression*
Active Listening	*Control Precision*
Complex Problem Solving	*Mathematical Reasoning*
Monitoring	*Time Sharing*

AMPHIBIOUS WARFARE (AMW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Conduct amphibious vehicle control
E4	NON-CORE	Determine amphibious craft positions
E4	NON-CORE	Determine H-hour late/early statuses
E7	NON-CORE	Manage ship-to-shore movements
E7	CORE	Plan Amphibious Warfare (AMW) operations
E4	CORE	Plot amphibious contacts
E4	NON-CORE	Plot Amphibious Objective Area (AOA) information
E4	NON-CORE	Plot amphibious vehicle positions
E4	CORE	Plot Amphibious Warfare (AMW) Operations
E4	NON-CORE	Recommend amphibious vehicle avoiding course vectors
E4	NON-CORE	Recommend vectors to meet H-hour
E4	NON-CORE	Report Amphibious Objective Area (AOA) traffic
E4	NON-CORE	Report H-hour late/early statuses
E4	NON-CORE	Report ship-to-shore movements
E5	NON-CORE	Supervise Amphibious Objective Area (AOA) plotting
E5	NON-CORE	Supervise ship-to-shore movements
E5	CORE	Validate Amphibious Warfare (AMW) plots

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Authenticate tactical signals
E4	CORE	Decode tactical signals
E4	CORE	Encode tactical signals
E4	CORE	Log external tactical communications
E7	CORE	Make operational and situational reports (e.g., Air Defense (AD), Ballistic Missile Defense (BMD), Sea Combat Commander (SCC), etc.)
E5	CORE	Manage communication plans
E4	CORE	Monitor Line of Sight (LOS) tactical networks and circuits
E4	CORE	Monitor Radio Frequency (RF) circuits
E4	CORE	Perform external communications (i.e., ship-to-ship, ship-to-shore, and ship-to-air)
E4	CORE	Record tactical communications audio (i.e., internal and external)
E4	CORE	Test Combat Information Center (CIC)/Combat Direction Center (CDC) communication systems

ELECTRONIC SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust radar settings remotely
E4	CORE	Configure Command, Control, Communications, Computers, Combat Systems, and Intelligence (C5I) systems for operations (i.e., watch, prosecution, and weapons employment)
E4	CORE	Configure display systems
E4	CORE	Configure Identification Friend or Foe (IFF) equipment
E4	CORE	Configure navigation systems
E4	CORE	Configure network systems
E4	CORE	Configure radar automatic tracking features
E4	CORE	Configure radar repeaters
E4	CORE	Configure Tactical Display Systems (TDS)
E4	CORE	Evaluate Automatic Identification Systems (AIS) information
E4	CORE	Evaluate radar performance
E4	CORE	Evaluate system statuses (e.g., Tactical Display System (TDS), radar, Identification Friend or Foe (IFF), etc.)
E4	CORE	Initialize radar repeaters
E4	CORE	Input data into electronic charting systems (e.g., navigational, geographical, emergent, etc.)
E5	CORE	Manage Tactical Display System (TDS) operations
E4	CORE	Perform link-track correlations
E4	CORE	Process emergency signals
E4	CORE	Report Tactical Display System (TDS) interface issues
E4	CORE	Resolve contact identification conflicts
E4	CORE	Verify Identification Friend or Foe (IFF) information
E4	CORE	Verify track-identification information

INTEGRATED AIR AND MISSILE DEFENSE (IAMD)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain aeronautical charts and publications
E4	CORE	Plot Air Defense (AD) operations
E5	NON-CORE	Provide intercept recommendations for air contacts
E4	CORE	Recommend space or ballistic contact classifications
E4	CORE	Validate air contact classifications
E5	CORE	Validate Air Defense (AD) plots
E6	CORE	Validate Ballistic Missile Defense (BMD) plots
E4	CORE	Validate space or ballistic contact classifications

NAVAL SURFACE FIRE SUPPORT (NSFS) OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Calculate Time on Targets (TOT)
E4	NON-CORE	Calculate Time to Targets (TTT)
E6	NON-CORE	Coordinate Naval Surface Fire Support (NSFS) engagements
E4	CORE	Maintain chart inventories
E7	NON-CORE	Manage Naval Surface Fire Support (NSFS) plot teams
E5	NON-CORE	Plan Naval Surface Fire Support (NSFS) engagements
E4	NON-CORE	Plot Naval Surface Fire Support (NSFS) targets (e.g., grid method, polar method, geodetic, etc.)
E4	NON-CORE	Prepare Naval Surface Fire Support (NSFS) plots
E4	NON-CORE	Report fire missions to control stations
E6	NON-CORE	Supervise Naval Surface Fire Support (NSFS) plot teams

NAVIGATION

Paygrade	Task Type	Task Statements
E7	CORE	Approve navigation plots (e.g., navigational aids, overlays, etc.)
E4	CORE	Assess course and speed made good
E4	CORE	Assess magnetic variations
E4	CORE	Calculate basic maneuvering board solutions (e.g., avoidance courses, Closest Point of Approach (CPA), course/speed, etc.)
E4	CORE	Calculate compensating and correcting courses and speeds
E4	CORE	Calculate Plans of Intended Movement (PIM)
E4	CORE	Calculate set and drift
E4	CORE	Calculate swing and drag circle radii
E4	CORE	Compare radar scope presentations with charts
E5	CORE	Compare ship plotted positions to secondary plots
E4	CORE	Correlate lookout information with radar presentations
E4	CORE	Develop gazetteers
E4	CORE	Plot anchorages
E4	CORE	Plot Dead Reckoning (DR) tracks

NAVIGATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Plot ship advances and transfers
E4	CORE	Plot ship positions
E4	CORE	Plot ship tracks
E4	CORE	Plot swept channels
E4	CORE	Plot swing and drag circles
E5	CORE	Provide collision avoidance recommendations
E5	CORE	Recommend courses and speeds in support of tactical operations
E4	CORE	Report aids and hazards to navigation
E4	CORE	Report gyrocompass errors
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) anchoring evolutions
E6	CORE	Supervise navigation teams during special evolutions (e.g., restricted waters, man overboard, straits transits, etc.)
E4	CORE	Validate charted depths
E4	CORE	Validate fix data
E4	CORE	Validate navigation plots (e.g., navigational aids, overlays, etc.)
E5	CORE	Verify plotting of swept channels

SEARCH AND RESCUE (SAR) OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Calculate aerospace drift for water entry points
E4	CORE	Calculate Search and Rescue (SAR) datums
E4	CORE	Plot distress signals, bearings, and ranges for maritime Search and Rescue (SAR) operations
E4	NON-CORE	Plot search areas for maritime Search and Rescue (SAR) operations
E4	NON-CORE	Plot search patterns for maritime Search and Rescue (SAR) operations
E4	CORE	Provide man overboard information (e.g., bearing, distance, recovery options, etc.)
E4	NON-CORE	Provide Search and Rescue (SAR) approaches for aircraft
E4	CORE	Provide Search and Rescue (SAR) operation recommendations

SURFACE WARFARE (SUW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Evaluate surface contact information
E7	CORE	Plan shipboard Surface Warfare (SUW) operations
E4	CORE	Plot surface contacts
E4	CORE	Plot Surface Warfare (SUW) operations
E4	CORE	Provide intercept recommendations for surface contacts
E4	CORE	Track surface contacts
E4	CORE	Update surface contact information
E5	CORE	Validate Surface Warfare (SUW) plots

TACTICAL SUPPORT OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Convert plotting units of measure (e.g., grid, polar, degrees, etc.)
E7	CORE	Coordinate combat and weapon systems software and firmware installations and updates
E5	CORE	Interpret operational requirements (e.g., Operational Orders (OPORDS), Operational Plans (OPLAN), Operational Taskings (OPTASK), etc.)
E4	CORE	Plot Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) areas
E4	CORE	Plot Electronic Warfare (EW) information
E4	CORE	Plot Mine Warfare (MIW) symbologies
E4	CORE	Report environmental data
E4	CORE	Test network interfaces
E6	CORE	Verify interpretations of operational requirements (e.g., Operational Orders (OPORDS), Operational Plans (OPLAN), Operational Taskings (OPTASK), etc.)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Configure systems to Commanding Officer's (CO) battle orders
E5	CORE	Coordinate personnel qualification and certification programs
E4	CORE	Maintain Combat Information Center (CIC)/Combat Direction Center (CDC) watch logs
E7	CORE	Manage personnel qualification and certification programs
E4	CORE	Perform divisional maintenance
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E5	CORE	Supervise Emergency Action Plan (EAP) and Emergency Destruction Plan (EDP) actions
E6	CORE	Supervise personnel qualification and certification programs

UNDERSEA WARFARE (USW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Assign symbology to subsurface contacts
E4	NON-CORE	Compute Target Motion Analysis (TMA) solutions
E5	CORE	Evaluate subsurface contact information
E7	CORE	Evaluate Undersea Warfare (USW) plots
E4	NON-CORE	Identify subsurface contact Closest Point of Approach (CPA)
E4	CORE	Plot subsurface contacts
E4	NON-CORE	Plot Target Motion Analysis (TMA) data
E4	CORE	Plot Undersea Warfare (USW) operations
E4	CORE	Plot Water Space Management (WSM) areas
E5	CORE	Recommend evasive steering actions
E4	CORE	Recommend subsurface contact classifications
E5	CORE	Recommend torpedo evasion tactics
E4	CORE	Track subsurface contacts

UNDERSEA WARFARE (USW) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Update subsurface contact information
E4	CORE	Validate subsurface contact classifications
E5	CORE	Validate Undersea Warfare (USW) plots
E7	CORE	Validate Water Space Management (WSM) plans

WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze equipment and system status data
E4	CORE	Analyze threat weapons data
E7	CORE	Audit data logs (e.g., contact log, ship's position log, etc.)
E5	CORE	Brief tactical, operational, and situational status reports
E4	CORE	Collect equipment and system status data
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E5	CORE	Conduct watchstander briefs
E4	CORE	Configure Combat Information Centers (CIC)/Combat Direction Centers (CDC)
E4	CORE	Configure combat systems equipment
E4	CORE	Configure computer and peripheral systems
E4	CORE	Configure internal communications networks
E4	CORE	Configure operating modes of systems (i.e., training and normal operations)
E4	CORE	Configure radar systems
E7	CORE	Coordinate Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during casualty conditions
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during normal operations
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions
E7	CORE	Coordinate combat systems watch teams (i.e., Link Response Team (LRT))
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E7	CORE	Coordinate transitions of Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Derive requirements from Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines
E5	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E5	CORE	Develop watchstander briefs
E4	CORE	Disseminate tactical information
E4	CORE	Document equipment and system status data
E4	CORE	Document magnetic variations

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E5	CORE	Interpret requirements from technical briefs, notices, and bulletins
E4	CORE	Log emergency signals
E6	CORE	Manage Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during casualty conditions
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during normal operations
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions
E6	CORE	Manage transition of Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform Pre-Planned Responses (PPR)
E4	CORE	Report emergency signals
E4	CORE	Report lookout (e.g., distress signals, whistles, bells, etc.)
E5	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during casualty conditions
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during normal operations
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions
E5	CORE	Supervise plotting and logging
E5	CORE	Supervise transition of Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Test Tactical Display Systems (TDS)
E4	CORE	Transition Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Troubleshoot network interfaces (e.g., Aegis Weapon Systems (AWS), Embedded Training Systems (ETS), etc.)
E4	CORE	Troubleshoot Tactical Display Systems (TDS)
E4	CORE	Update plotting and status boards
E5	CORE	Verify systems configurations to Commanding Officer's (CO) battle orders

Job Title

Warfare Operator

Job Code

003740

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	WARFARE OPERATOR	WARFARE OPER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	OS	NEC WXXX, 7XXX series and other NECs as assigned

Job Description

Warfare Operators recommend defensive and offensive actions against air, surface, subsurface, space, and ballistic threats to concerned Command and Control (C2) watch stations; coordinate data link operations, internal and external communications equipment; plot and report contact information; interpret and evaluate geographical, strategic and summary plots, and procedures to make recommendations to supervisors during watch conditions; gather, process, and disseminate information to various ship control stations; and operate up-to-date tactical and strategic warfare systems while coordinating warfare area Situational Awareness (SA).

DoD Relationship

Group Title	*DoD Code*
Radar	122100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Command and Control Center Specialists	55-3015.00	Military Specific

Skills	Abilities
Critical Thinking	*Information Ordering*
Judgment and Decision Making	*Problem Sensitivity*
Coordination	*Inductive Reasoning*
Operation and Control	*Deductive Reasoning*
Complex Problem Solving	*Oral Expression*
Active Listening	*Flexibility of Closure*
Writing	*Written Comprehension*
Monitoring	*Control Precision*
Speaking	*Written Expression*
Mathematics	*Time Sharing*

AMPHIBIOUS WARFARE (AMW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Conduct amphibious vehicle control
E4	NON-CORE	Conduct ship-to-shore movement communications
E4	NON-CORE	Determine amphibious craft positions
E4	NON-CORE	Determine H-hour late/early statuses
E7	NON-CORE	Make battle group Amphibious Warfare (AMW) operation requirement recommendations
E7	CORE	Manage air assets for Amphibious Warfare (AMW) operations
E7	NON-CORE	Manage ship-to-shore movements
E7	CORE	Plan Amphibious Warfare (AMW) operations
E4	CORE	Plot amphibious contacts
E4	NON-CORE	Plot Amphibious Objective Area (AOA) information
E4	NON-CORE	Plot amphibious vehicle positions
E4	CORE	Plot Amphibious Warfare (AMW) Operations
E4	NON-CORE	Recommend amphibious vehicle avoiding course vectors
E4	NON-CORE	Recommend vectors to meet H-hour
E4	CORE	Report amphibious contacts
E4	NON-CORE	Report Amphibious Objective Area (AOA) traffic

AMPHIBIOUS WARFARE (AMW) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Report H-hour late/early statuses
E4	NON-CORE	Report ship-to-shore movements
E4	NON-CORE	Report well-deck statuses
E5	NON-CORE	Supervise Amphibious Objective Area (AOA) plotting
E5	NON-CORE	Supervise amphibious vehicle control
E5	NON-CORE	Supervise ship-to-shore movements
E4	CORE	Track amphibious contacts
E4	CORE	Update amphibious contact information
E5	CORE	Validate Amphibious Warfare (AMW) plots

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Authenticate tactical signals
E4	CORE	Decode tactical signals
E4	CORE	Encode tactical signals
E4	CORE	Log external tactical communications
E7	CORE	Make operational and situational reports (e.g., Air Defense (AD), Ballistic Missile Defense (BMD), Sea Combat Commander (SCC), etc.)
E5	CORE	Manage communication plans
E4	CORE	Monitor Line of Sight (LOS) tactical networks and circuits
E4	CORE	Monitor Radio Frequency (RF) circuits
E4	CORE	Perform external communications (i.e., ship-to-ship, ship-to-shore, and ship-to-air)
E4	CORE	Record tactical communications audio (i.e., internal and external)
E4	CORE	Test Combat Information Center (CIC)/Combat Direction Center (CDC) communication systems

ELECTRONIC SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust radar settings remotely
E4	CORE	Configure Command, Control, Communications, Computers, Combat Systems, and Intelligence (C5I) systems for operations (i.e., watch, prosecution, and weapons employment)
E4	CORE	Configure display systems
E4	CORE	Configure Identification Friend or Foe (IFF) equipment
E4	CORE	Configure navigation systems
E4	CORE	Configure network systems
E4	CORE	Configure radar automatic tracking features
E4	CORE	Configure radar repeaters
E5	CORE	Configure Tactical Air Navigation (TACAN) systems
E4	CORE	Configure Tactical Display Systems (TDS)
E4	CORE	Evaluate Automatic Identification Systems (AIS) information

ELECTRONIC SYSTEMS OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Evaluate radar performance
E4	CORE	Evaluate system statuses (e.g., Tactical Display System (TDS), radar, Identification Friend or Foe (IFF), etc.)
E4	CORE	Initialize radar repeaters
E4	CORE	Input data into electronic charting systems (e.g., navigational, geographical, emergent, etc.)
E5	CORE	Manage Tactical Display System (TDS) operations
E4	CORE	Perform link-track correlations
E4	CORE	Process emergency signals
E4	CORE	Report Tactical Display System (TDS) interface issues
E4	CORE	Resolve contact identification conflicts
E4	CORE	Verify Identification Friend or Foe (IFF) information
E4	CORE	Verify track-identification information

INTEGRATED AIR AND MISSILE DEFENSE (IAMD)

Paygrade	Task Type	Task Statements
E4	CORE	Analyze air contacts
E4	CORE	Analyze Air Defense (AD) intelligence data
E6	NON-CORE	Analyze Ballistic Missile Defense (BMD) intelligence data
E4	CORE	Analyze space or ballistic contacts
E4	CORE	Assess air contact priorities
E4	CORE	Assign symbology to air contacts
E4	CORE	Assign symbology to space or ballistic contacts
E5	NON-CORE	Authenticate Return to Force (RTF) procedures
E4	CORE	Classify air contacts
E4	CORE	Classify space or ballistic contacts
E7	CORE	Coordinate aircraft emergency situations
E7	NON-CORE	Develop Air Warfare (AW) Pre-Planned Responses (PPR)
E7	CORE	Direct shipboard defense against airborne threats
E7	CORE	Direct shipboard defense against space or ballistic threats
E7	NON-CORE	Engage space or ballistic target
E4	CORE	Evaluate air contact information
E4	CORE	Evaluate space or ballistic contact information
E4	CORE	Input air contact search parameters
E7	NON-CORE	Input Air Defense (AD) fire control parameters
E4	NON-CORE	Input space or ballistic contact search parameters
E4	CORE	Log air contact data
E4	CORE	Log space or ballistic contact data
E7	CORE	Make battle group Air Defense (AD) operation requirement recommendations

INTEGRATED AIR AND MISSILE DEFENSE (IAMD) (CONT'D)

Paygrade	Task Type	Task Statements
E7	NON-CORE	Make battle group Ballistic Missile Defense (BMD) operation requirement recommendations
E7	CORE	Manage air assets for Air Defense (AD) operations
E7	CORE	Manage air assets for Ballistic Missile Defense (BMD) operations
E7	CORE	Manage engagement of air targets with anti-air weapons
E7	CORE	Manage shipboard Air Defense (AD) operations
E7	CORE	Plan shipboard Air Defense (AD) operations
E4	CORE	Plot Air Defense (AD) operations
E5	NON-CORE	Plot Ballistic Missile Defense (BMD) operations
E4	CORE	Plot space or ballistic contacts
E5	NON-CORE	Provide intercept recommendations for air contacts
E4	CORE	Recommend air contact classifications
E4	CORE	Recommend air contact priorities
E7	CORE	Recommend Air Defense (AD) search and engagement plans and tactics
E4	CORE	Recommend space or ballistic contact classifications
E4	CORE	Report air contacts
E5	CORE	Report air engagement Battle Damage Assessments (BDA)
E5	CORE	Report Return to Force (RTF) assets
E4	NON-CORE	Report space or ballistic contacts
E4	CORE	Track air contacts
E4	CORE	Track space or ballistic contacts
E4	CORE	Update air contact information
E4	NON-CORE	Update space or ballistic contact information
E4	CORE	Validate air contact classifications
E5	CORE	Validate Air Defense (AD) plots
E6	CORE	Validate Ballistic Missile Defense (BMD) plots
E4	CORE	Validate space or ballistic contact classifications

NAVAL SURFACE FIRE SUPPORT (NSFS) OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Analyze Operational Orders (OPORD) and pre-assigned fire mission messages
E4	NON-CORE	Calculate Time on Targets (TOT)
E4	NON-CORE	Calculate Time to Targets (TTT)
E6	NON-CORE	Coordinate Naval Surface Fire Support (NSFS) engagements
E7	NON-CORE	Manage Naval Surface Fire Support (NSFS) plot teams
E5	NON-CORE	Plan Naval Surface Fire Support (NSFS) engagements
E4	NON-CORE	Plot Naval Surface Fire Support (NSFS) targets (e.g., grid method, polar method, geodetic, etc.)
E4	NON-CORE	Prepare Naval Surface Fire Support (NSFS) plots
E4	NON-CORE	Report fire missions to control stations

NAVAL SURFACE FIRE SUPPORT (NSFS) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Supervise Naval Surface Fire Support (NSFS) plot teams

NAVIGATION

Paygrade	Task Type	Task Statements
E4	CORE	Assess course and speed made good
E4	CORE	Assess magnetic variations
E4	CORE	Calculate basic maneuvering board solutions (e.g., avoidance courses, Closest Point of Approach (CPA), course/speed, etc.)
E4	CORE	Calculate compensating and correcting courses and speeds
E4	CORE	Calculate Plans of Intended Movement (PIM)
E4	CORE	Calculate set and drift
E4	CORE	Calculate swing and drag circle radii
E4	CORE	Compare radar scope presentations with charts
E5	CORE	Compare ship plotted positions to secondary plots
E4	CORE	Correlate lookout information with radar presentations
E4	CORE	Plot ship positions
E5	CORE	Provide collision avoidance recommendations
E5	CORE	Recommend courses and speeds in support of tactical operations
E4	CORE	Report aids and hazards to navigation
E4	CORE	Report gyrocompass errors
E5	CORE	Verify plotting of swept channels

SEARCH AND RESCUE (SAR) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Calculate Search and Rescue (SAR) datums
E7	CORE	Manage air assets for Search and Rescue (SAR) operations
E4	CORE	Plot distress signals, bearings, and ranges for maritime Search and Rescue (SAR) operations
E4	NON-CORE	Plot search areas for maritime Search and Rescue (SAR) operations
E4	NON-CORE	Plot search patterns for maritime Search and Rescue (SAR) operations
E4	CORE	Provide man overboard information (e.g., bearing, distance, recovery options, etc.)
E4	NON-CORE	Provide Search and Rescue (SAR) approaches for aircraft
E4	CORE	Provide Search and Rescue (SAR) operation recommendations

SURFACE WARFARE (SUW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze surface contacts
E4	CORE	Analyze Surface Warfare (SUW) intelligence data
E4	CORE	Assess surface contact priorities
E4	CORE	Assign symbology to surface contacts
E4	CORE	Classify surface contacts

SURFACE WARFARE (SUW) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E7	NON-CORE	Develop Surface Warfare (SUW) Pre-Planned Responses (PPR)
E7	CORE	Direct shipboard defense against surface threats
E4	CORE	Evaluate surface contact information
E4	CORE	Identify surface contact Closest Point of Approach (CPA)
E7	CORE	Input Surface Warfare (SUW) fire control parameters
E4	CORE	Log surface contact data
E7	CORE	Make battle group Surface Warfare (SUW) operation requirement recommendations
E7	CORE	Manage air assets for Surface Warfare (SUW) operations
E7	CORE	Manage engagement of surface targets with anti-surface weapons
E7	CORE	Manage shipboard Surface Warfare (SUW) operations
E7	CORE	Plan shipboard Surface Warfare (SUW) operations
E4	CORE	Plot surface contacts
E4	CORE	Plot Surface Warfare (SUW) operations
E4	CORE	Provide intercept recommendations for surface contacts
E4	CORE	Recommend surface contact classifications
E4	CORE	Recommend surface contact priorities
E7	CORE	Recommend Surface Warfare (SUW) search and engagement plans and tactics
E4	CORE	Report surface contacts
E4	CORE	Report surface engagement Battle Damage Assessments (BDA)
E4	CORE	Track surface contacts
E4	CORE	Update surface contact information
E4	CORE	Validate surface contact classifications
E5	CORE	Validate Surface Warfare (SUW) plots

TACTICAL SUPPORT OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Configure Expeditionary Warfare (EXW) operations center for special evolutions (e.g. Joint Operations Center (JOC), Tactical Operations Center (TOC), etc.)
E5	NON-CORE	Configure operating systems (e.g., Linux, Microsoft, etc.)
E4	NON-CORE	Configure portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E4	CORE	Convert plotting units of measure (e.g., grid, polar, degrees, etc.)
E7	CORE	Coordinate combat and weapon systems software and firmware installations and updates
E7	NON-CORE	Coordinate Expeditionary Warfare (EXW) operations center for special evolutions (e.g. Joint Operations Center (JOC), Tactical Operations Center (TOC), etc.)
E4	NON-CORE	Integrate portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E5	CORE	Interpret operational requirements (e.g., Operational Orders (OPORDS), Operational Plans (OPLAN), Operational Taskings (OPTASK), etc.)
E5	NON-CORE	Load cryptographic keying material

TACTICAL SUPPORT OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Manage Expeditionary Warfare (EXW) operations center for special evolutions (e.g. Joint Operations Center (JOC), Tactical Operations Center (TOC), etc.)
E4	CORE	Plot Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) areas
E4	CORE	Plot Electronic Warfare (EW) information
E4	CORE	Plot Mine Warfare (MIW) symbologies
E4	CORE	Report environmental data
E4	CORE	Request illumination on targets
E4	CORE	Test network interfaces
E4	NON-CORE	Test portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E4	NON-CORE	Troubleshoot portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E6	CORE	Verify interpretations of operational requirements (e.g., Operational Orders (OPORDS), Operational Plans (OPLAN), Operational Taskings (OPTASK), etc.)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Configure systems to Commanding Officer's (CO) battle orders
E5	CORE	Coordinate personnel qualification and certification programs
E5	CORE	Draft operational messages
E4	CORE	Interpret Naval messages
E4	CORE	Inventory Communications Security (COMSEC) classified materials
E4	CORE	Maintain Combat Information Center (CIC)/Combat Direction Center (CDC) watch logs
E7	CORE	Manage personnel qualification and certification programs
E4	CORE	Perform divisional maintenance
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E5	CORE	Supervise Emergency Action Plan (EAP) and Emergency Destruction Plan (EDP) actions
E6	CORE	Supervise personnel qualification and certification programs

UNDERSEA WARFARE (USW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze subsurface contacts
E4	NON-CORE	Analyze Undersea Warfare (USW) intelligence data
E4	CORE	Assign symbology to subsurface contacts
E5	CORE	Compute subsurface contact course and speed
E4	NON-CORE	Compute Target Motion Analysis (TMA) solutions
E5	NON-CORE	Correlate Target Motion Analysis (TMA) information
E7	CORE	Direct shipboard defense against subsurface threats
E7	CORE	Evaluate subsurface contact acoustic information
E5	CORE	Evaluate subsurface contact information

UNDERSEA WARFARE (USW) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Evaluate Undersea Warfare (USW) plots
E4	NON-CORE	Identify subsurface contact Closest Point of Approach (CPA)
E4	NON-CORE	Log amplifying subsurface contact data
E4	CORE	Log subsurface contact data
E7	CORE	Make battle group Undersea Warfare (USW) operation requirement recommendations
E7	CORE	Manage air assets for Undersea Warfare (USW) operations
E7	CORE	Manage engagement of subsurface targets with anti-submarine weapons
E4	CORE	Plot subsurface contacts
E4	NON-CORE	Plot Target Motion Analysis (TMA) data
E4	CORE	Plot Undersea Warfare (USW) operations
E4	CORE	Plot Water Space Management (WSM) areas
E5	CORE	Recommend evasive steering actions
E4	CORE	Recommend subsurface contact classifications
E4	CORE	Recommend subsurface contact priorities
E5	CORE	Recommend torpedo evasion tactics
E5	NON-CORE	Recommend Undersea Warfare (USW) search and attack plans, and tactics
E4	CORE	Report subsurface contacts
E4	CORE	Track subsurface contacts
E4	CORE	Update subsurface contact information
E4	CORE	Validate subsurface contact classifications
E5	CORE	Validate Undersea Warfare (USW) plots
E7	CORE	Validate Water Space Management (WSM) plans

WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze equipment and system status data
E4	CORE	Analyze threat weapons data
E7	CORE	Assign contact priorities (e.g., Air Warfare (AW) Surface Warfare (SUW), etc.)
E5	CORE	Brief tactical, operational, and situational status reports
E4	CORE	Collect equipment and system status data
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E5	CORE	Conduct watchstander briefs
E4	CORE	Configure Combat Information Centers (CIC)/Combat Direction Centers (CDC)
E4	CORE	Configure combat systems equipment
E4	CORE	Configure computer and peripheral systems
E4	CORE	Configure internal communications networks
E4	CORE	Configure operating modes of systems (i.e., training and normal operations)
E4	CORE	Configure radar systems

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during casualty conditions
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during normal operations
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions
E7	CORE	Coordinate combat systems watch teams (i.e., Link Response Team (LRT))
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E7	CORE	Coordinate transitions of Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Derive requirements from Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines
E5	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E5	CORE	Develop watchstander briefs
E7	CORE	Direct execution of Warfare Commander's intentions
E4	CORE	Disseminate tactical information
E4	CORE	Document equipment and system status data
E4	CORE	Document magnetic variations
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E4	CORE	Input magnetic variations
E5	CORE	Interpret requirements from technical briefs, notices, and bulletins
E4	CORE	Log emergency signals
E6	CORE	Manage Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during casualty conditions
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during normal operations
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions
E6	CORE	Manage transition of Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform Pre-Planned Responses (PPR)
E4	CORE	Report aircraft emergency situations
E7	CORE	Report assignment and engagement status of own ship's weapons systems

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Report emergency signals
E4	CORE	Report lookout (e.g., distress signals, whistles, bells, etc.)
E4	CORE	Set Emission Control (EMCON) conditions
E5	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during casualty conditions
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during normal operations
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions
E5	CORE	Supervise plotting and logging
E5	CORE	Supervise transition of Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Test operating systems (e.g., Linux, Microsoft, etc.)
E4	CORE	Test Tactical Display Systems (TDS)
E4	CORE	Transition Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Troubleshoot network interfaces (e.g., Aegis Weapon Systems (AWS), Embedded Training Systems (ETS), etc.)
E4	CORE	Troubleshoot operating systems (e.g., Linux, Microsoft, etc.)
E4	CORE	Troubleshoot Tactical Display Systems (TDS)
E4	CORE	Update plotting and status boards
E5	CORE	Verify Emission Control (EMCON) status
E5	CORE	Verify systems configurations to Commanding Officer's (CO) battle orders

Job Title **Job Code**

Operations Administrator 003741

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	OPERATIONS ADMINISTRATOR	OPS ADMIN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	OS	NEC WXXX series or other NECs as assigned

Job Description

Operations Administrators develop and execute shipboard communications plans and unit Search and Rescue (SAR) efforts; draft messages; control classified material; maintain and review various watch stations logs and records; conduct briefs and debriefs; and assist in the coordination of combat systems training scenarios and special evolutions preparations.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Radar	122100	Command and Control Center Specialists	55-3015.00	Military Specific

Skills	Abilities
Coordination	*Problem Sensitivity*
Judgment and Decision Making	*Inductive Reasoning*
Writing	*Information Ordering*
Active Listening	*Deductive Reasoning*
Critical Thinking	*Oral Expression*
Operation and Control	*Written Comprehension*
Management of Personnel Resources	*Written Expression*
Reading Comprehension	*Flexibility of Closure*
Complex Problem Solving	*Time Sharing*
Speaking	*Control Precision*

AMPHIBIOUS WARFARE (AMW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Conduct amphibious vehicle control
E4	NON-CORE	Conduct ship-to-shore movement communications
E4	NON-CORE	Determine amphibious craft positions
E4	NON-CORE	Determine H-hour late/early statuses
E7	NON-CORE	Make battle group Amphibious Warfare (AMW) operation requirement recommendations
E7	CORE	Manage air assets for Amphibious Warfare (AMW) operations
E7	NON-CORE	Manage ship-to-shore movements
E7	CORE	Plan Amphibious Warfare (AMW) operations
E4	CORE	Plot amphibious contacts
E4	NON-CORE	Plot Amphibious Objective Area (AOA) information
E4	NON-CORE	Plot amphibious vehicle positions
E4	CORE	Plot Amphibious Warfare (AMW) Operations
E4	NON-CORE	Recommend amphibious vehicle avoiding course vectors
E4	NON-CORE	Recommend vectors to meet H-hour
E4	CORE	Report amphibious contacts
E4	NON-CORE	Report Amphibious Objective Area (AOA) traffic
E4	NON-CORE	Report H-hour late/early statuses

AMPHIBIOUS WARFARE (AMW) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Report ship-to-shore movements
E4	NON-CORE	Report well-deck statuses
E5	NON-CORE	Supervise Amphibious Objective Area (AOA) plotting
E5	NON-CORE	Supervise amphibious vehicle control
E5	NON-CORE	Supervise ship-to-shore movements

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Authenticate tactical signals
E4	CORE	Decode tactical signals
E4	CORE	Encode tactical signals
E4	CORE	Log external tactical communications
E7	CORE	Make operational and situational reports (e.g., Air Defense (AD), Ballistic Missile Defense (BMD), Sea Combat Commander (SCC), etc.)
E5	CORE	Manage communication plans
E4	CORE	Monitor Line of Sight (LOS) tactical networks and circuits
E4	CORE	Monitor Radio Frequency (RF) circuits
E4	CORE	Perform external communications (i.e., ship-to-ship, ship-to-shore, and ship-to-air)
E4	CORE	Record tactical communications audio (i.e., internal and external)
E4	CORE	Test Combat Information Center (CIC)/Combat Direction Center (CDC) communication systems

ELECTRONIC SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust radar settings remotely
E4	CORE	Configure Command, Control, Communications, Computers, Combat Systems, and Intelligence (C5I) systems for operations (i.e., watch, prosecution, and weapons employment)
E4	CORE	Configure display systems
E4	CORE	Configure Identification Friend or Foe (IFF) equipment
E4	CORE	Configure navigation systems
E4	CORE	Configure network systems
E4	CORE	Configure radar automatic tracking features
E4	CORE	Configure radar repeaters
E5	CORE	Configure Tactical Air Navigation (TACAN) systems
E4	CORE	Configure Tactical Display Systems (TDS)
E4	CORE	Evaluate Automatic Identification Systems (AIS) information
E4	CORE	Evaluate radar performance
E4	CORE	Evaluate system statuses (e.g., Tactical Display System (TDS), radar, Identification Friend or Foe (IFF), etc.)
E4	CORE	Initialize radar repeaters

ELECTRONIC SYSTEMS OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Input data into electronic charting systems (e.g., navigational, geographical, emergent, etc.)
E5	CORE	Manage Tactical Display System (TDS) operations
E4	CORE	Perform link-track correlations
E4	CORE	Process emergency signals
E4	CORE	Report Tactical Display System (TDS) interface issues
E4	CORE	Resolve contact identification conflicts
E4	CORE	Verify Identification Friend or Foe (IFF) information
E4	CORE	Verify track-identification information

INTEGRATED AIR AND MISSILE DEFENSE (IAMD)

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Air Defense (AD) intelligence data
E6	NON-CORE	Analyze Ballistic Missile Defense (BMD) intelligence data
E4	CORE	Assess air contact priorities
E7	NON-CORE	Develop Air Warfare (AW) Pre-Planned Responses (PPR)
E4	CORE	Log air contact data
E4	CORE	Log space or ballistic contact data
E4	CORE	Maintain aeronautical charts and publications
E7	CORE	Manage shipboard Air Defense (AD) operations
E7	CORE	Plan shipboard Air Defense (AD) operations
E4	CORE	Plot Air Defense (AD) operations
E4	CORE	Recommend air contact priorities
E7	CORE	Recommend Air Defense (AD) search and engagement plans and tactics
E4	CORE	Report air contacts
E5	CORE	Report air engagement Battle Damage Assessments (BDA)

NAVAL SURFACE FIRE SUPPORT (NSFS) OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Analyze Operational Orders (OPORD) and pre-assigned fire mission messages
E6	NON-CORE	Coordinate Naval Surface Fire Support (NSFS) engagements
E4	CORE	Maintain chart inventories
E7	NON-CORE	Manage Naval Surface Fire Support (NSFS) plot teams
E5	NON-CORE	Plan Naval Surface Fire Support (NSFS) engagements
E4	NON-CORE	Plot Naval Surface Fire Support (NSFS) targets (e.g., grid method, polar method, geodetic, etc.)
E4	NON-CORE	Prepare Naval Surface Fire Support (NSFS) plots
E4	NON-CORE	Report fire missions to control stations
E6	NON-CORE	Supervise Naval Surface Fire Support (NSFS) plot teams

NAVIGATION

Paygrade	Task Type	Task Statements
E7	CORE	Approve navigation plots (e.g., navigational aids, overlays, etc.)
E4	CORE	Assess course and speed made good
E4	CORE	Assess magnetic variations
E4	CORE	Calculate basic maneuvering board solutions (e.g., avoidance courses, Closest Point of Approach (CPA), course/speed, etc.)
E4	CORE	Calculate compensating and correcting courses and speeds
E4	CORE	Calculate Plans of Intended Movement (PIM)
E4	CORE	Calculate set and drift
E4	CORE	Calculate swing and drag circle radii
E4	CORE	Compare radar scope presentations with charts
E5	CORE	Compare ship plotted positions to secondary plots
E4	CORE	Correlate lookout information with radar presentations
E4	CORE	Develop gazetteers
E4	CORE	Plot anchorages
E4	CORE	Plot Dead Reckoning (DR) tracks
E4	CORE	Plot ship advances and transfers
E4	CORE	Plot ship positions
E4	CORE	Plot ship tracks
E4	CORE	Plot swept channels
E4	CORE	Plot swing and drag circles
E5	CORE	Provide collision avoidance recommendations
E5	CORE	Recommend courses and speeds in support of tactical operations
E4	CORE	Report aids and hazards to navigation
E4	CORE	Report gyrocompass errors
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) anchoring evolutions
E6	CORE	Supervise navigation teams during special evolutions (e.g., restricted waters, man overboard, straits transits, etc.)
E4	CORE	Validate charted depths
E4	CORE	Validate fix data
E4	CORE	Validate navigation plots (e.g., navigational aids, overlays, etc.)
E5	CORE	Verify plotting of swept channels

SEARCH AND RESCUE (SAR) OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Calculate aerospace drift for water entry points
E4	CORE	Calculate Search and Rescue (SAR) datums
E7	CORE	Coordinate Search and Rescue (SAR) teams
E7	CORE	Manage air assets for Search and Rescue (SAR) operations

SEARCH AND RESCUE (SAR) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Plot distress signals, bearings, and ranges for maritime Search and Rescue (SAR) operations
E4	NON-CORE	Plot search areas for maritime Search and Rescue (SAR) operations
E4	NON-CORE	Plot search patterns for maritime Search and Rescue (SAR) operations
E4	CORE	Provide man overboard information (e.g., bearing, distance, recovery options, etc.)
E4	NON-CORE	Provide Search and Rescue (SAR) approaches for aircraft
E4	CORE	Provide Search and Rescue (SAR) operation recommendations

SURFACE WARFARE (SUW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Surface Warfare (SUW) intelligence data
E4	CORE	Assess surface contact priorities
E7	NON-CORE	Develop Surface Warfare (SUW) Pre-Planned Responses (PPR)
E4	CORE	Identify surface contact Closest Point of Approach (CPA)
E4	CORE	Log surface contact data
E7	CORE	Manage shipboard Surface Warfare (SUW) operations
E7	CORE	Plan shipboard Surface Warfare (SUW) operations
E4	CORE	Recommend surface contact priorities
E7	CORE	Recommend Surface Warfare (SUW) search and engagement plans and tactics
E4	CORE	Report surface contacts
E4	CORE	Report surface engagement Battle Damage Assessments (BDA)

TACTICAL SUPPORT OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Convert plotting units of measure (e.g., grid, polar, degrees, etc.)
E7	CORE	Coordinate combat and weapon systems software and firmware installations and updates
E7	NON-CORE	Coordinate Expeditionary Warfare (EXW) operations center for special evolutions (e.g. Joint Operations Center (JOC), Tactical Operations Center (TOC), etc.)
E5	CORE	Interpret operational requirements (e.g., Operational Orders (OPORDS), Operational Plans (OPLAN), Operational Taskings (OPTASK), etc.)
E4	CORE	Plot Mine Warfare (MIW) symbologies
E4	CORE	Report environmental data
E4	CORE	Test network interfaces
E6	CORE	Verify interpretations of operational requirements (e.g., Operational Orders (OPORDS), Operational Plans (OPLAN), Operational Taskings (OPTASK), etc.)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Configure systems to Commanding Officer's (CO) battle orders
E5	CORE	Coordinate personnel qualification and certification programs
E5	CORE	Draft operational messages
E5	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure from Specifications (DFS), etc.)
E4	CORE	Inspect work areas, tools, and equipment
E4	CORE	Interpret Naval messages
E4	CORE	Inventory Communications Security (COMSEC) classified materials
E4	CORE	Inventory ready publications
E4	CORE	Maintain Combat Information Center (CIC)/Combat Direction Center (CDC) watch logs
E7	CORE	Manage Casualty Report (CASREP) programs
E7	CORE	Manage divisional equipment and system configurations
E7	CORE	Manage divisional maintenance operations
E7	CORE	Manage personnel qualification and certification programs
E7	CORE	Manage procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure from Specifications (DFS), etc.)
E4	CORE	Perform divisional maintenance
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E6	CORE	Review drafted operational messages for accuracy
E6	CORE	Supervise divisional equipment and system configurations
E6	CORE	Supervise divisional maintenance operations
E5	CORE	Supervise Emergency Action Plan (EAP) and Emergency Destruction Plan (EDP) actions
E6	CORE	Supervise personnel qualification and certification programs
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center maintenance operations
E4	CORE	Validate Casualty Reports (CASREP)
E7	CORE	Validate drafted operational messages
E4	CORE	Verify cryptographic keying materials are loaded
E6	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure from Specifications (DFS), etc.)

UNDERSEA WARFARE (USW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Analyze Undersea Warfare (USW) intelligence data
E4	CORE	Assign symbology to subsurface contacts
E5	NON-CORE	Correlate Target Motion Analysis (TMA) information
E7	CORE	Evaluate subsurface contact acoustic information
E4	NON-CORE	Log amplifying subsurface contact data

UNDERSEA WARFARE (USW) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Log subsurface contact data
E4	CORE	Plot Water Space Management (WSM) areas
E4	CORE	Recommend subsurface contact priorities
E5	NON-CORE	Recommend Undersea Warfare (USW) search and attack plans, and tactics
E4	CORE	Report subsurface contacts
E7	CORE	Validate Water Space Management (WSM) plans

WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze threat weapons data
E7	CORE	Audit data logs (e.g., contact log, ship's position log, etc.)
E5	CORE	Brief tactical, operational, and situational status reports
E4	CORE	Collect equipment and system status data
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E5	CORE	Conduct watchstander briefs
E4	CORE	Configure Combat Information Centers (CIC)/Combat Direction Centers (CDC)
E4	CORE	Configure combat systems equipment
E4	CORE	Configure computer and peripheral systems
E4	CORE	Configure internal communications networks
E4	CORE	Configure operating modes of systems (i.e., training and normal operations)
E7	CORE	Coordinate Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during casualty conditions
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during normal operations
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions
E7	CORE	Coordinate combat systems watch teams (i.e., Link Response Team (LRT))
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E7	CORE	Coordinate transitions of Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Derive requirements from Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines
E5	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E5	CORE	Develop watchstander briefs
E4	CORE	Disseminate tactical information
E4	CORE	Document equipment and system status data
E4	CORE	Document magnetic variations

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E4	CORE	Input magnetic variations
E5	CORE	Interpret requirements from technical briefs, notices, and bulletins
E4	CORE	Log emergency signals
E6	CORE	Manage Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during casualty conditions
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during normal operations
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions
E6	CORE	Manage transition of Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform Pre-Planned Responses (PPR)
E4	CORE	Report emergency signals
E4	CORE	Report lookout (e.g., distress signals, whistles, bells, etc.)
E4	CORE	Set Emission Control (EMCON) conditions
E5	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during casualty conditions
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during normal operations
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions
E5	CORE	Supervise plotting and logging
E5	CORE	Supervise transition of Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Test operating systems (e.g., Linux, Microsoft, etc.)
E4	CORE	Transition Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Troubleshoot operating systems (e.g., Linux, Microsoft, etc.)
E4	CORE	Update plotting and status boards
E7	CORE	Validate watchstander briefs
E5	CORE	Verify Emission Control (EMCON) status
E5	CORE	Verify systems configurations to Commanding Officer's (CO) battle orders

Job Title **Job Code**

Electronic Systems Operator 003742

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	ELECTRONIC SYSTEMS OPERATOR	ELEC SYS OPER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	OS	NEC WXXX series or other NECs as assigned

Job Description

Electronic Systems Operators initialize, configure, operate, and monitor the functions of various electronics and Command and Control (C2) systems to include, but not limited to, the operations of consoles, computers, radars, and radar display equipment and systems; and operate Identification Friend or Foe (IFF) equipment, various data link systems, communication equipment, and electronic charting systems.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Radar	122100	Command and Control Center Specialists	55-3015.00	Military Specific

Skills	Abilities
Judgment and Decision Making	*Information Ordering*
Critical Thinking	*Inductive Reasoning*
Coordination	*Problem Sensitivity*
Operation and Control	*Deductive Reasoning*
Complex Problem Solving	*Oral Expression*
Writing	*Flexibility of Closure*
Active Listening	*Written Comprehension*
Monitoring	*Control Precision*
Mathematics	*Written Expression*
Speaking	*Time Sharing*

AMPHIBIOUS WARFARE (AMW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Conduct amphibious vehicle control
E4	NON-CORE	Conduct ship-to-shore movement communications
E4	NON-CORE	Determine amphibious craft positions
E4	NON-CORE	Determine H-hour late/early statuses
E7	NON-CORE	Make battle group Amphibious Warfare (AMW) operation requirement recommendations
E7	CORE	Manage air assets for Amphibious Warfare (AMW) operations
E7	NON-CORE	Manage ship-to-shore movements
E7	CORE	Plan Amphibious Warfare (AMW) operations
E4	CORE	Plot amphibious contacts
E4	NON-CORE	Plot Amphibious Objective Area (AOA) information
E4	NON-CORE	Plot amphibious vehicle positions
E4	CORE	Plot Amphibious Warfare (AMW) Operations
E4	NON-CORE	Recommend amphibious vehicle avoiding course vectors
E4	NON-CORE	Recommend vectors to meet H-hour
E4	CORE	Report amphibious contacts
E4	NON-CORE	Report Amphibious Objective Area (AOA) traffic
E4	NON-CORE	Report H-hour late/early statuses

AMPHIBIOUS WARFARE (AMW) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Report ship-to-shore movements
E4	NON-CORE	Report well-deck statuses
E5	NON-CORE	Supervise Amphibious Objective Area (AOA) plotting
E5	NON-CORE	Supervise amphibious vehicle control
E5	NON-CORE	Supervise ship-to-shore movements
E4	CORE	Track amphibious contacts
E4	CORE	Update amphibious contact information
E5	CORE	Validate Amphibious Warfare (AMW) plots

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Authenticate tactical signals
E4	CORE	Decode tactical signals
E4	CORE	Encode tactical signals
E4	CORE	Log external tactical communications
E7	CORE	Make operational and situational reports (e.g., Air Defense (AD), Ballistic Missile Defense (BMD), Sea Combat Commander (SCC), etc.)
E5	CORE	Manage communication plans
E4	CORE	Monitor Line of Sight (LOS) tactical networks and circuits
E4	CORE	Monitor Radio Frequency (RF) circuits
E4	CORE	Perform external communications (i.e., ship-to-ship, ship-to-shore, and ship-to-air)
E4	CORE	Record tactical communications audio (i.e., internal and external)
E4	CORE	Test Combat Information Center (CIC)/Combat Direction Center (CDC) communication systems

ELECTRONIC SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust radar settings remotely
E4	CORE	Configure Command, Control, Communications, Computers, Combat Systems, and Intelligence (C5I) systems for operations (i.e., watch, prosecution, and weapons employment)
E4	CORE	Configure display systems
E4	CORE	Configure Identification Friend or Foe (IFF) equipment
E4	CORE	Configure navigation systems
E4	CORE	Configure network systems
E4	CORE	Configure radar automatic tracking features
E4	CORE	Configure radar repeaters
E5	CORE	Configure Tactical Air Navigation (TACAN) systems
E4	CORE	Configure Tactical Display Systems (TDS)
E4	CORE	Evaluate Automatic Identification Systems (AIS) information
E4	CORE	Evaluate radar performance

ELECTRONIC SYSTEMS OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Evaluate system statuses (e.g., Tactical Display System (TDS), radar, Identification Friend or Foe (IFF), etc.)
E4	CORE	Initialize radar repeaters
E4	CORE	Input data into electronic charting systems (e.g., navigational, geographical, emergent, etc.)
E5	CORE	Manage Tactical Display System (TDS) operations
E4	CORE	Perform link-track correlations
E4	CORE	Process emergency signals
E4	CORE	Report Tactical Display System (TDS) interface issues
E4	CORE	Resolve contact identification conflicts
E4	CORE	Verify Identification Friend or Foe (IFF) information
E4	CORE	Verify track-identification information

INTEGRATED AIR AND MISSILE DEFENSE (IAMD)

Paygrade	Task Type	Task Statements
E4	CORE	Analyze air contacts
E4	CORE	Analyze Air Defense (AD) intelligence data
E6	NON-CORE	Analyze Ballistic Missile Defense (BMD) intelligence data
E4	CORE	Analyze space or ballistic contacts
E4	CORE	Assess air contact priorities
E4	CORE	Assign symbology to air contacts
E4	CORE	Assign symbology to space or ballistic contacts
E5	NON-CORE	Authenticate Return to Force (RTF) procedures
E4	CORE	Classify air contacts
E4	CORE	Classify space or ballistic contacts
E7	CORE	Coordinate aircraft emergency situations
E7	NON-CORE	Develop Air Warfare (AW) Pre-Planned Responses (PPR)
E7	CORE	Direct shipboard defense against airborne threats
E7	CORE	Direct shipboard defense against space or ballistic threats
E7	NON-CORE	Engage space or ballistic target
E4	CORE	Evaluate air contact information
E4	CORE	Evaluate space or ballistic contact information
E4	CORE	Input air contact search parameters
E7	NON-CORE	Input Air Defense (AD) fire control parameters
E4	NON-CORE	Input space or ballistic contact search parameters
E4	CORE	Log air contact data
E4	CORE	Log space or ballistic contact data
E7	CORE	Make battle group Air Defense (AD) operation requirement recommendations
E7	NON-CORE	Make battle group Ballistic Missile Defense (BMD) operation requirement recommendations

INTEGRATED AIR AND MISSILE DEFENSE (IAMD) (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage air assets for Air Defense (AD) operations
E7	CORE	Manage air assets for Ballistic Missile Defense (BMD) operations
E7	CORE	Manage engagement of air targets with anti-air weapons
E7	CORE	Manage shipboard Air Defense (AD) operations
E7	CORE	Plan shipboard Air Defense (AD) operations
E4	CORE	Plot Air Defense (AD) operations
E5	NON-CORE	Plot Ballistic Missile Defense (BMD) operations
E4	CORE	Plot space or ballistic contacts
E5	NON-CORE	Provide intercept recommendations for air contacts
E4	CORE	Recommend air contact classifications
E4	CORE	Recommend air contact priorities
E7	CORE	Recommend Air Defense (AD) search and engagement plans and tactics
E4	CORE	Recommend space or ballistic contact classifications
E4	CORE	Report air contacts
E5	CORE	Report air engagement Battle Damage Assessments (BDA)
E5	CORE	Report Return to Force (RTF) assets
E4	NON-CORE	Report space or ballistic contacts
E4	CORE	Track air contacts
E4	CORE	Track space or ballistic contacts
E4	CORE	Update air contact information
E4	NON-CORE	Update space or ballistic contact information
E4	CORE	Validate air contact classifications
E5	CORE	Validate Air Defense (AD) plots
E6	CORE	Validate Ballistic Missile Defense (BMD) plots
E4	CORE	Validate space or ballistic contact classifications

NAVAL SURFACE FIRE SUPPORT (NSFS) OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Analyze Operational Orders (OPORD) and pre-assigned fire mission messages
E4	NON-CORE	Calculate Time on Targets (TOT)
E4	NON-CORE	Calculate Time to Targets (TTT)
E6	NON-CORE	Coordinate Naval Surface Fire Support (NSFS) engagements
E7	NON-CORE	Manage Naval Surface Fire Support (NSFS) plot teams
E5	NON-CORE	Plan Naval Surface Fire Support (NSFS) engagements
E4	NON-CORE	Plot Naval Surface Fire Support (NSFS) targets (e.g., grid method, polar method, geodetic, etc.)
E4	NON-CORE	Prepare Naval Surface Fire Support (NSFS) plots
E4	NON-CORE	Report fire missions to control stations
E6	NON-CORE	Supervise Naval Surface Fire Support (NSFS) plot teams

NAVIGATION

Paygrade	Task Type	Task Statements
E7	CORE	Approve navigation plots (e.g., navigational aids, overlays, etc.)
E4	CORE	Assess course and speed made good
E4	CORE	Assess magnetic variations
E4	CORE	Calculate basic maneuvering board solutions (e.g., avoidance courses, Closest Point of Approach (CPA), course/speed, etc.)
E4	CORE	Calculate compensating and correcting courses and speeds
E4	CORE	Calculate Plans of Intended Movement (PIM)
E4	CORE	Calculate set and drift
E4	CORE	Calculate swing and drag circle radii
E4	CORE	Compare radar scope presentations with charts
E5	CORE	Compare ship plotted positions to secondary plots
E4	CORE	Correlate lookout information with radar presentations
E4	CORE	Plot anchorages
E4	CORE	Plot Dead Reckoning (DR) tracks
E4	CORE	Plot ship advances and transfers
E4	CORE	Plot ship positions
E4	CORE	Plot ship tracks
E4	CORE	Plot swept channels
E4	CORE	Plot swing and drag circles
E5	CORE	Provide collision avoidance recommendations
E5	CORE	Recommend courses and speeds in support of tactical operations
E4	CORE	Report aids and hazards to navigation
E4	CORE	Report gyrocompass errors
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) anchoring evolutions
E6	CORE	Supervise navigation teams during special evolutions (e.g., restricted waters, man overboard, straits transits, etc.)
E4	CORE	Validate charted depths
E4	CORE	Validate fix data
E4	CORE	Validate navigation plots (e.g., navigational aids, overlays, etc.)
E5	CORE	Verify plotting of swept channels

SEARCH AND RESCUE (SAR) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Calculate Search and Rescue (SAR) datums
E7	CORE	Manage air assets for Search and Rescue (SAR) operations
E4	CORE	Plot distress signals, bearings, and ranges for maritime Search and Rescue (SAR) operations
E4	NON-CORE	Plot search areas for maritime Search and Rescue (SAR) operations
E4	NON-CORE	Plot search patterns for maritime Search and Rescue (SAR) operations
E4	CORE	Provide man overboard information (e.g., bearing, distance, recovery options, etc.)
E4	NON-CORE	Provide Search and Rescue (SAR) approaches for aircraft
E4	CORE	Provide Search and Rescue (SAR) operation recommendations

SURFACE WARFARE (SUW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze surface contacts
E4	CORE	Analyze Surface Warfare (SUW) intelligence data
E4	CORE	Assess surface contact priorities
E4	CORE	Assign symbology to surface contacts
E4	CORE	Classify surface contacts
E7	NON-CORE	Develop Surface Warfare (SUW) Pre-Planned Responses (PPR)
E7	CORE	Direct shipboard defense against surface threats
E4	CORE	Evaluate surface contact information
E4	CORE	Identify surface contact Closest Point of Approach (CPA)
E7	CORE	Input Surface Warfare (SUW) fire control parameters
E4	CORE	Log surface contact data
E7	CORE	Make battle group Surface Warfare (SUW) operation requirement recommendations
E7	CORE	Manage air assets for Surface Warfare (SUW) operations
E7	CORE	Manage engagement of surface targets with anti-surface weapons
E7	CORE	Manage shipboard Surface Warfare (SUW) operations
E7	CORE	Plan shipboard Surface Warfare (SUW) operations
E4	CORE	Plot surface contacts
E4	CORE	Plot Surface Warfare (SUW) operations
E4	CORE	Provide intercept recommendations for surface contacts
E4	CORE	Recommend surface contact classifications
E4	CORE	Recommend surface contact priorities
E7	CORE	Recommend Surface Warfare (SUW) search and engagement plans and tactics
E4	CORE	Report surface contacts
E4	CORE	Report surface engagement Battle Damage Assessments (BDA)
E4	CORE	Track surface contacts
E4	CORE	Update surface contact information
E4	CORE	Validate surface contact classifications

SURFACE WARFARE (SUW) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Validate Surface Warfare (SUW) plots

TACTICAL SUPPORT OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Configure Expeditionary Warfare (EXW) operations center for special evolutions (e.g. Joint Operations Center (JOC), Tactical Operations Center (TOC), etc.)
E5	NON-CORE	Configure operating systems (e.g., Linux, Microsoft, etc.)
E4	NON-CORE	Configure portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E4	CORE	Convert plotting units of measure (e.g., grid, polar, degrees, etc.)
E7	CORE	Coordinate combat and weapon systems software and firmware installations and updates
E7	NON-CORE	Coordinate Expeditionary Warfare (EXW) operations center for special evolutions (e.g. Joint Operations Center (JOC), Tactical Operations Center (TOC), etc.)
E4	NON-CORE	Integrate portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E5	CORE	Interpret operational requirements (e.g., Operational Orders (OPORDS), Operational Plans (OPLAN), Operational Taskings (OPTASK), etc.)
E5	NON-CORE	Load cryptographic keying material
E6	NON-CORE	Manage Expeditionary Warfare (EXW) operations center for special evolutions (e.g. Joint Operations Center (JOC), Tactical Operations Center (TOC), etc.)
E4	CORE	Plot Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) areas
E4	CORE	Plot Electronic Warfare (EW) information
E4	CORE	Plot Mine Warfare (MIW) symbologies
E4	CORE	Report environmental data
E4	CORE	Request illumination on targets
E4	CORE	Test network interfaces
E4	NON-CORE	Test portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E4	NON-CORE	Troubleshoot portable communications systems (e.g., iridium, Portable Radio Communications (PRC), etc.)
E6	CORE	Verify interpretations of operational requirements (e.g., Operational Orders (OPORDS), Operational Plans (OPLAN), Operational Taskings (OPTASK), etc.)

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Configure systems to Commanding Officer's (CO) battle orders
E5	CORE	Coordinate personnel qualification and certification programs
E5	CORE	Draft operational messages
E4	CORE	Interpret Naval messages
E4	CORE	Inventory Communications Security (COMSEC) classified materials
E4	CORE	Maintain Combat Information Center (CIC)/Combat Direction Center (CDC) watch logs

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage personnel qualification and certification programs
E4	CORE	Perform divisional maintenance
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E5	CORE	Supervise Emergency Action Plan (EAP) and Emergency Destruction Plan (EDP) actions
E6	CORE	Supervise personnel qualification and certification programs
E4	CORE	Verify cryptographic keying materials are loaded

UNDERSEA WARFARE (USW) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze subsurface contacts
E4	NON-CORE	Analyze Undersea Warfare (USW) intelligence data
E4	CORE	Assign symbology to subsurface contacts
E5	CORE	Compute subsurface contact course and speed
E4	NON-CORE	Compute Target Motion Analysis (TMA) solutions
E5	NON-CORE	Correlate Target Motion Analysis (TMA) information
E7	CORE	Direct shipboard defense against subsurface threats
E7	CORE	Evaluate subsurface contact acoustic information
E5	CORE	Evaluate subsurface contact information
E7	CORE	Evaluate Undersea Warfare (USW) plots
E4	NON-CORE	Identify subsurface contact Closest Point of Approach (CPA)
E4	NON-CORE	Log amplifying subsurface contact data
E4	CORE	Log subsurface contact data
E7	CORE	Make battle group Undersea Warfare (USW) operation requirement recommendations
E7	CORE	Manage air assets for Undersea Warfare (USW) operations
E7	CORE	Manage engagement of subsurface targets with anti-submarine weapons
E4	CORE	Plot subsurface contacts
E4	NON-CORE	Plot Target Motion Analysis (TMA) data
E4	CORE	Plot Undersea Warfare (USW) operations
E4	CORE	Plot Water Space Management (WSM) areas
E5	CORE	Recommend evasive steering actions
E4	CORE	Recommend subsurface contact classifications
E4	CORE	Recommend subsurface contact priorities
E5	CORE	Recommend torpedo evasion tactics
E5	NON-CORE	Recommend Undersea Warfare (USW) search and attack plans, and tactics
E4	CORE	Report subsurface contacts
E4	CORE	Track subsurface contacts
E4	CORE	Update subsurface contact information
E4	CORE	Validate subsurface contact classifications

UNDERSEA WARFARE (USW) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Validate Undersea Warfare (USW) plots
E7	CORE	Validate Water Space Management (WSM) plans

WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze equipment and system status data
E4	CORE	Analyze threat weapons data
E7	CORE	Assign contact priorities (e.g., Air Warfare (AW) Surface Warfare (SUW), etc.)
E5	CORE	Brief tactical, operational, and situational status reports
E4	CORE	Collect equipment and system status data
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E5	CORE	Conduct watchstander briefs
E4	CORE	Configure Combat Information Centers (CIC)/Combat Direction Centers (CDC)
E4	CORE	Configure combat systems equipment
E4	CORE	Configure computer and peripheral systems
E4	CORE	Configure internal communications networks
E4	CORE	Configure operating modes of systems (i.e., training and normal operations)
E4	CORE	Configure radar systems
E7	CORE	Coordinate Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during casualty conditions
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during normal operations
E7	CORE	Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions
E7	CORE	Coordinate combat systems watch teams (i.e., Link Response Team (LRT))
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E7	CORE	Coordinate transitions of Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Derive requirements from Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines
E5	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E5	CORE	Develop watchstander briefs
E7	CORE	Direct execution of Warfare Commander's intentions
E4	CORE	Disseminate tactical information
E4	CORE	Document equipment and system status data
E4	CORE	Document magnetic variations

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), Seamanship Training Team (STT), etc.)
E4	CORE	Input magnetic variations
E5	CORE	Interpret requirements from technical briefs, notices, and bulletins
E4	CORE	Log emergency signals
E6	CORE	Manage Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during casualty conditions
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during normal operations
E6	CORE	Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions
E6	CORE	Manage transition of Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform Pre-Planned Responses (PPR)
E4	CORE	Report aircraft emergency situations
E7	CORE	Report assignment and engagement status of own ship's weapons systems
E4	CORE	Report emergency signals
E4	CORE	Report lookout (e.g., distress signals, whistles, bells, etc.)
E4	CORE	Set Emission Control (EMCON) conditions
E5	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during casualty conditions
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during normal operations
E5	CORE	Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions
E5	CORE	Supervise plotting and logging
E5	CORE	Supervise transition of Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Test operating systems (e.g., Linux, Microsoft, etc.)
E4	CORE	Test Tactical Display Systems (TDS)
E4	CORE	Transition Combat Information Centers (CIC)/Combat Direction Centers (CDC) between conditions of readiness
E4	CORE	Troubleshoot network interfaces (e.g., Aegis Weapon Systems (AWS), Embedded Training Systems (ETS), etc.)

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot operating systems (e.g., Linux, Microsoft, etc.)
E4	CORE	Troubleshoot Tactical Display Systems (TDS)
E4	CORE	Update plotting and status boards
E5	CORE	Verify Emission Control (EMCON) status
E5	CORE	Verify systems configurations to Commanding Officer's (CO) battle orders

CHAPTER 64

PERSONNEL SPECIALIST
(PS)

NAVPERS 18068F-64B
Change 94

Updated: April 2023

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

PERSONNEL SPECIALIST (PS)

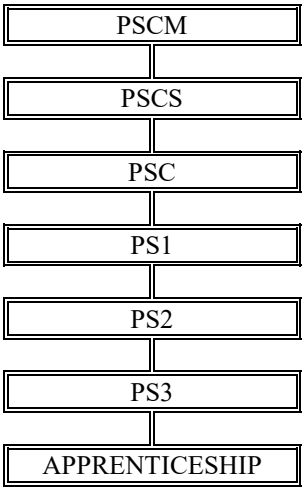
SCOPE OF RATING

Personnel Specialists (PS) maintain financial and Electronic Service Records (ESR) for Active Components (AC) and Reserve Components (RC); provide customer service to active and reserve members, retirees, and dependents; prepare, audit, and verify military personnel and pay transaction documents; process and review military pay entitlements and deductions and perform related computations; prepare, verify, and submit all pay and personnel documents resulting from Absent Without Official Leave (AWOL), Non-Judicial Punishment (NJP), and Court Martial; counsel personnel regarding Permanent Change of Station (PCS), separation entitlements, and policies; determine transportation entitlements, prepare orders, arrange transportation, and compute allowances; prepare reenlistment and separation documentation; counsel personnel on education and training opportunities; order and prepare electronic advancement worksheets, and administer Navy-Wide Advancement Examinations (NWAE); prepare routine Naval correspondence and administrative Naval messages; conduct pre-deployment and indoctrination briefs; perform enlisted manning verification using Billet Based Distribution (BBD) in MyNavy Assignment (MNA) and optimal manning posture; track Personnel Tempo (PERSTEMPO) events and monitor accession, contract, and quality control reports; verify applicable screenings for enlistment qualification and special duty assignments; manage electronic leave program and uphold personnel accounting records; operate Relational Administrative Data Management (RADM) system and maintain military payrolls; process and audit vouchers; maintain related fiscal records and prepare associated reports and returns; operate shipboard Automatic Data Processing (ADP) equipment associated with afloat pay delivery systems; and verify, issue, and maintain security of active, reserve, retired, and dependent identification cards.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 64.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories may be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Pay Supervisor

Job Code

001117

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Business and Financial Operations	TBD	PAY SUPERVISOR	PAY SUPERVISOR

Pay Plan	Career Field	Other Relationships and Rules
ENLISTED	PS	NECs AXXX and 7XXX series or other NECs as assigned

Job Description

Pay Supervisors oversee the functions of the Pay Clerk and are responsible for the operations of the travel and pay sections for Active Components (AC) and Reserve Components (RC); verify or audit disbursing office financial reports and returns; reference Department of Defense (DoD) pay and travel publications (e.g., DoD Financial Management Regulations, Vol. 5, 7A, 9, Joint Travel Regulations), regulations, procedures, and the pay and travel computer systems; audit pay and travel advances and liquidations; maintain financial records; verify, audit, and transmit pay documents; manage and update computerized publication and travel system changes; authorize pay systems access; destroy voided checks, cash negotiable instruments, and collections; distribute public funds, perform bank deposits, and account for foreign funds; manage the Navy Cash program; train travel and pay clerks; inform crewmembers on entitlement, deduction, and collection changes; solve complex travel entitlements; and audit and release daily Electronic Funds Transfer (EFT) input requests.

DoD Relationship

Group Title	*DoD Code*
Combined Personnel and Administration, General	152000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Accountants and Auditors	13-2011.00	Business and Financial Operations

Skills	Abilities
Monitoring	*Deductive Reasoning*
Judgment and Decision Making	*Information Ordering*
Management of Financial Resources	*Number Facility*
Quality Control Analysis	*Mathematical Reasoning*
Complex Problem Solving	*Written Comprehension*
Mathematics	*Inductive Reasoning*
Management of Material Resources	*Problem Sensitivity*
Operation and Control	*Written Expression*
Management of Personnel Resources	*Category Flexibility*
Instructing	*Selective Attention*

AUTOMATED DATA PROCESSING (ADP) OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Approve pay and personnel system access requests (e.g., System Authorization Access Requests (SAAR) (DD FORM 2875))
E5	CORE	Distribute pay and personnel system transactions
E6	CORE	Establish pay and personnel system roles (e.g., Navy Standard Integrated Personnel System (NSIPS))
E6	CORE	Maintain pay and personnel system access requests (e.g., System Authorization Access Requests (SAAR) (DD FORM 2875))
E6	CORE	Manage pay and personnel system accounts (e.g., Navy Standard Integrated Personnel System (NSIPS))

CORRESPONDENCE

Paygrade	Task Type	Task Statements
E5	CORE	Certify Overseas Tour Extension Incentive Program (OTEIP) processing
E4	CORE	Prepare letters of authority
E4	CORE	Prepare statements of service
E4	CORE	Process Overseas Tour Extension Incentive Program (OTEIP) requests
E4	CORE	Update pay and personnel transaction ticklers
E5	CORE	Validate pay and personnel transaction ticklers

CORRESPONDENCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Verify letters of authority

DISBURSING OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Assist on-site audits and cash verification teams
E6	NON-CORE	Audit bank deposits and debit vouchers
E6	NON-CORE	Audit collection and disbursement vouchers
E5	NON-CORE	Balance Foreign Currency Control Records (DD FORM 2663) and foreign currency transactions
E5	NON-CORE	Balance Statements of Accountability (Standard Form 1219)
E5	NON-CORE	Certify disbursing accounts and reports
E6	NON-CORE	Inventory treasury checks
E5	NON-CORE	Maintain Activity Security Checklists (Standard Form 701)
E5	CORE	Maintain disbursing office security
E4	NON-CORE	Maintain key logs
E6	NON-CORE	Maintain Limited Depository Accounts (LDA)
E6	NON-CORE	Maintain security access logs
E6	NON-CORE	Maintain Statement of Deposit Activity (SODA) records
E6	NON-CORE	Make bank deposits
E6	NON-CORE	Manage retention, security, and disposition of financial records
E6	NON-CORE	Perform on-site audits and cash verifications
E6	CORE	Prepare financial returns for submission to Defense Finance and Accounting Service (DFAS)
E5	NON-CORE	Prepare Returned and Undeliverable Check/Bond Records (DD FORM 2658)
E5	NON-CORE	Prepare Statements of Accountability (Standard Form 1219)
E4	NON-CORE	Prepare Vouchers and Schedules of Withdrawals and Credits (Standard Form 1081)
E4	NON-CORE	Process collection and disbursement vouchers
E6	NON-CORE	Process disbursing officer commencement or relieving letters
E6	NON-CORE	Process foreign currency transactions
E6	NON-CORE	Process Month End Check Issue Summaries (Standard Form 1179)
E6	NON-CORE	Process treasury checks
E5	NON-CORE	Provide authorizations to hold cash at personal risk
E6	NON-CORE	Reconcile bank deposits and debit vouchers
E6	NON-CORE	Reconcile collection and disbursement Voucher Control Logs (DD FORM 2659)
E6	NON-CORE	Reconcile Daily Agent Accountability Summaries (DD FORM 2665)
E6	NON-CORE	Resolve central site feedback reports
E5	NON-CORE	Validate collection and disbursement vouchers
E6	NON-CORE	Validate negotiable instrument endorsements (e.g., checks, money orders, etc.) and letters of destruction
E6	NON-CORE	Verify authorizations to hold cash at personal risk

DISBURSING OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Verify cash on hand
E7	NON-CORE	Verify Returned and Undeliverable Check/Bond Records (DD FORM 2658)
E6	NON-CORE	Verify safekeeping deposits

LEGAL

Paygrade	Task Type	Task Statements
E5	CORE	Process Court Memorandum (NAVPERS 1070/607) adjustments
E6	CORE	Verify Court Memorandums (NAVPERS 1070/607) and adjustments

MILITARY PAY (MILPAY)

Paygrade	Task Type	Task Statements
E5	CORE	Audit leave accounting records and reports as Leave Administrator
E5	CORE	Audit pay accounts
E6	CORE	Audit pay transaction reports
E6	CORE	Authorize pay entitlements and allowances (e.g., Career Sea Pay Premium (CSPP), Special Duty Assignment Pay (SDAP), special duty assignment letters, etc.)
E6	CORE	Certify daily Electronic Funds Transfer (EFT) payments via Master Military Pay Account (MMPA) (e.g., advance, partial, etc.)
E6	CORE	Certify Selective Enlistment Bonuses (SEB)
E4	CORE	Correct Defense Finance and Accounting Service (DFAS) rejections
E4	CORE	Prepare waivers of indebtedness
E6	CORE	Reconcile Pay Record Access (PRA) accounts
E4	CORE	Submit adoption reimbursement and leave allowance documents
E6	CORE	Verify Pay Record Access (PRA) records

NAVY CASH

Paygrade	Task Type	Task Statements
E4	NON-CORE	Audit Navy Cash accounts and reports
E6	CORE	Change Navy Cash system server nodes
E4	NON-CORE	Close Navy Cash accounts
E6	CORE	Close-out Navy Cash systems
E4	NON-CORE	Create Navy Cash accounts
E6	CORE	Inventory Navy Cash cards
E6	CORE	Issue Navy Cash card reader Point of Sale (POS) devices
E4	NON-CORE	Maintain daily Navy Cash transaction ledgers
E4	NON-CORE	Maintain Navy Cash system refund logs
E4	NON-CORE	Order Navy Cash cards
E4	NON-CORE	Process Navy Cash refunds
E6	CORE	Process unmatched chip to chip discrepancies
E4	NON-CORE	Reconcile Navy Cash negative balance reports
E6	CORE	Reconcile Safe Audit Summary Reports (SASR) to Daily Statements of Accountability (DD FORM 2657)
E4	NON-CORE	Update merchant accounts to Navy Cash system

NAVY CASH (CONT'D)

Paygrade	Task Type	Task .Statements
E6	CORE	Verify Card Accepting Device (CAD) transactions and applications
E6	CORE	Verify Navy Cash connectivity (e.g., End of the Day (EOD) checks, shore report confirmations, etc.)

REENLISTMENTS AND EXTENSIONS

Paygrade	Task Type	Task Statements
E7	CORE	Approve Selective Reenlistment Bonus (SRB) payments and leave sell back
E4	CORE	Verify Enlisted Active Obligated Service (EAOS) postings to the Master Military Pay Account (MMPA)
E6	CORE	Verify Selective Reenlistment Bonus (SRB) payments and leave sell back

RESERVES

Paygrade	Task Type	Task Statements
E5	CORE	Certify reserve entitlements while on orders (i.e., Annual Training (AT), Active Duty Training (ADT), Inactive Duty Training (IDT), and Inactive Duty Training Travel (IDTT))
E5	CORE	Maintain Inactive Duty Training (IDT) and Inactive Duty Training Travel (IDTT) reports and retains
E6	CORE	Manage Inactive Duty Training (IDT) and Inactive Duty Training Travel (IDTT) programs
E4	CORE	Process reserve entitlements while on orders (i.e., Annual Training (AT), Active Duty Training (ADT), Inactive Duty Training (IDT), and Inactive Duty Training Travel (IDTT))

SEPARATIONS AND RETIREMENTS

Paygrade	Task Type	Task Statements
E7	CORE	Audit final separation pay
E6	CORE	Certify final separation pay
E6	CORE	Release Master Military Pay Account (MMPA) separation transactions (e.g., strength loss, Report Final Separation (E503), etc.)
E5	CORE	Verify Master Military Pay Account (MMPA) separation transactions (e.g., Separation/Reentry Projected Settlement (NT), Separation Data Pending (N7), Separation/Reenlistment Data Rejects (NN), etc.)

TRAVEL AND TRANSPORTATION

Paygrade	Task Type	Task Statements
E7	NON-CORE	Approve travel documents and decisions as Authorizing Official (AO) in Defense Travel System (DTS) (e.g., exceptions to policy, travel authorizations, financial accounting, final settlements, travel authorizations, vouchers, etc.)
E5	CORE	Audit travel claims
E5	CORE	Certify travel advances
E4	CORE	Counsel personnel on travel entitlements
E7	NON-CORE	Establish user roles in Defense Travel System (DTS) (e.g., Authorizing Official (AO), Finance Defense Travel Administrator (FDTA), Organizational Defense Travel Administrator (ODTA), Debt Management Monitor (DMM), Lead Defense Travel Administrator (LDTA), and Routing Official (RO))
E5	NON-CORE	Monitor debt management in Defense Travel System (DTS) (e.g., repayment, collections, waiver, appeals, etc.)

TRAVEL AND TRANSPORTATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Process Temporary Additional Duty (TEMADD) requests and orders (e.g., Medical Evacuations (MEDEVAC), emergency evacuations, cost Temporary Additional Duties (TAD) orders, no cost Temporary Additional Duties (TAD) orders, etc.)
E6	CORE	Release travel vouchers to Defense Finance and Accounting Service (DFAS)
E7	NON-CORE	Review reports as Authorizing Official (AO) in Defense Travel System (DTS) (e.g., trip data, estimate costs, balance budget, etc.)
E6	NON-CORE	Review travel documents and decisions as Authorizing Official (AO) in Defense Travel System (DTS) (e.g., exceptions to policy, travel authorizations, financial accounting, final settlements, travel authorizations, vouchers, etc.)
E5	CORE	Support Government Travel Charge Card (GTCC) programs (e.g., Permanent Change of Station (PCS) counseling, voucher liquidations, card issuance, etc.)
E4	CORE	Track travel claim submissions and liquidations
E5	CORE	Verify collection of travel voucher overpayments
E4	CORE	Verify disbursements of travel payment postings
E4	CORE	Verify Electronic Funds Transfer (EFT) information
E6	CORE	Verify official travel documents (e.g., passports, visas, etc.)
E6	CORE	Verify waiver claims for erroneous travel payments

Job Title
Pay Manager

Job Code
001122

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Business and Financial Operations	TBD	PAY MANAGER	PAY MANAGER

Pay Plan	Career Field	Other Relationships and Rules
ENLISTED	PS	NECs AXXX and 7XXX series or other NECs as assigned

Job Description
Pay Managers oversee the functions of the Pay Clerk and Pay Supervisor for Active Components (AC) and Reserve Components (RC); maintain overall accountability of pay and travel sections; certify and authorize all pay, travel, and financial documents; and respond to official inquiries.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Combined Personnel and Administration, General	152000	Accounts and Auditors	13-2011.02	Business and Financial Operations

Skills	Abilities
Monitoring	*Information Ordering*
Quality Control Analysis	*Deductive Reasoning*
Management of Financial Resources	*Number Facility*
Judgment and Decision Making	*Mathematical Reasoning*
Mathematics	*Written Comprehension*
Complex Problem Solving	*Selective Attention*
Coordination	*Written Expression*
Management of Material Resources	*Inductive Reasoning*
Operation and Control	*Perceptual Speed*
Critical Thinking	*Problem Sensitivity*

AUTOMATED DATA PROCESSING (ADP) OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Maintain pay and personnel system access requests (e.g., System Authorization Access Requests (SAAR) (DD FORM 2875))

CORRESPONDENCE

Paygrade	Task Type	Task Statements
E5	CORE	Verify letters of authority

DISBURSING OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Assist on-site audits and cash verification teams
E7	NON-CORE	Audit Activity Security Checklists (Standard Form 701)
E7	NON-CORE	Audit collection and disbursement Voucher Control Logs (DD FORM 2659)
E6	NON-CORE	Audit collection and disbursement vouchers
E7	NON-CORE	Audit Daily Agent Accountability Summaries (DD FORM 2665)
E7	NON-CORE	Audit disbursing accounts and reports
E7	NON-CORE	Audit financial returns
E7	NON-CORE	Audit Foreign Currency Control Records (DD FORM 2663) and foreign currency transactions
E7	NON-CORE	Audit negotiable instrument endorsements (e.g., checks, money orders, etc.) and letters of destruction
E7	NON-CORE	Audit on-site audits and cash verification team noted discrepancies
E7	NON-CORE	Audit Statements of Accountability (Standard Form 1219)

DISBURSING OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Balance Statements of Accountability (Standard Form 1219)
E7	NON-CORE	Certify on-site audits and cash verification team noted discrepancies
E7	NON-CORE	Certify Statements of Accountability (Standard Form 1219)
E6	NON-CORE	Inventory treasury checks
E5	NON-CORE	Maintain Activity Security Checklists (Standard Form 701)
E4	NON-CORE	Maintain key logs
E6	NON-CORE	Maintain Limited Depository Accounts (LDA)
E6	NON-CORE	Maintain security access logs
E6	NON-CORE	Maintain Statement of Deposit Activity (SODA) records
E6	NON-CORE	Make bank deposits
E6	NON-CORE	Manage retention, security, and disposition of financial records
E6	CORE	Prepare financial returns for submission to Defense Finance and Accounting Service (DFAS)
E5	NON-CORE	Prepare Statements of Accountability (Standard Form 1219)
E6	NON-CORE	Process disbursing officer commencement or relieving letters
E6	NON-CORE	Process foreign currency transactions
E6	NON-CORE	Process Month End Check Issue Summaries (Standard Form 1179)
E6	NON-CORE	Process treasury checks
E6	NON-CORE	Reconcile bank deposits and debit vouchers
E6	NON-CORE	Reconcile collection and disbursement Voucher Control Logs (DD FORM 2659)
E6	NON-CORE	Reconcile Daily Agent Accountability Summaries (DD FORM 2665)
E6	NON-CORE	Resolve central site feedback reports
E7	NON-CORE	Respond to official inquiries (e.g., Defense Finance and Accounting Service (DFAS), advise of errors, Inspector General (IG), Board for Correction of Naval Records (BCNR), etc.)
E6	NON-CORE	Validate negotiable instrument endorsements (e.g., checks, money orders, etc.) and letters of destruction
E6	NON-CORE	Verify authorizations to hold cash at personal risk
E4	NON-CORE	Verify cash on hand
E7	NON-CORE	Verify Returned and Undeliverable Check/Bond Records (DD FORM 2658)
E6	NON-CORE	Verify safekeeping deposits

LEGAL

Paygrade	Task Type	Task Statements
E6	CORE	Verify Court Memorandums (NAVPERS 1070/607) and adjustments

MILITARY PAY (MILPAY)

Paygrade	Task Type	Task Statements
E5	CORE	Audit leave accounting records and reports as Leave Administrator
E5	CORE	Audit pay accounts
E6	CORE	Audit pay transaction reports

MILITARY PAY (MILPAY) (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Authorize pay entitlements and allowances (e.g., Career Sea Pay Premium (CSPP), Special Duty Assignment Pay (SDAP), special duty assignment letters, etc.)
E6	CORE	Certify daily Electronic Funds Transfer (EFT) payments via Master Military Pay Account (MMPA) (e.g., advance, partial, etc.)
E7	CORE	Certify pay correspondence
E6	CORE	Reconcile Pay Record Access (PRA) accounts
E6	CORE	Verify Pay Record Access (PRA) records

NAVY CASH

Paygrade	Task Type	Task Statements
E7	CORE	Audit Navy Cash agents
E6	CORE	Change Navy Cash system server nodes
E6	CORE	Close-out Navy Cash systems
E6	CORE	Inventory Navy Cash cards
E6	CORE	Issue Navy Cash card reader Point of Sale (POS) devices
E7	CORE	Manage Navy Cash system user accesses
E4	NON-CORE	Order Navy Cash cards
E4	NON-CORE	Process Navy Cash refunds
E6	CORE	Process unmatched chip to chip discrepancies
E6	CORE	Reconcile Safe Audit Summary Reports (SASR) to Daily Statements of Accountability (DD FORM 2657)
E6	CORE	Verify Card Accepting Device (CAD) transactions and applications
E6	CORE	Verify Navy Cash connectivity (e.g., End of the Day (EOD) checks, shore report confirmations, etc.)

REENLISTMENTS AND EXTENSIONS

Paygrade	Task Type	Task Statements
E7	CORE	Approve Selective Reenlistment Bonus (SRB) payments and leave sell back
E4	CORE	Verify Enlisted Active Obligated Service (EAOS) postings to the Master Military Pay Account (MMPA)
E6	CORE	Verify Selective Reenlistment Bonus (SRB) payments and leave sell back

RESERVES

Paygrade	Task Type	Task Statements
E6	CORE	Manage Inactive Duty Training (IDT) and Inactive Duty Training Travel (IDTT) programs

SEPARATIONS AND RETIREMENTS

Paygrade	Task Type	Task Statements
E7	CORE	Audit final separation pay
E6	CORE	Release Master Military Pay Account (MMPA) separation transactions (e.g., strength loss, Report Final Separation (E503), etc.)
E5	CORE	Verify Master Military Pay Account (MMPA) separation transactions (e.g., Separation/Reentry Projected Settlement (NT), Separation Data Pending (N7), Separation/Reenlistment Data Rejects (NN), etc.)

TRAVEL AND TRANSPORTATION

Paygrade	Task Type	Task Statements
E7	NON-CORE	Approve travel documents and decisions as Authorizing Official (AO) in Defense Travel System (DTS) (e.g., exceptions to policy, travel authorizations, financial accounting, final settlements, travel authorizations, vouchers, etc.)
E7	NON-CORE	Establish user roles in Defense Travel System (DTS) (e.g., Authorizing Official (AO), Finance Defense Travel Administrator (FDTA), Organizational Defense Travel Administrator (ODTA), Debt Management Monitor (DMM), Lead Defense Travel Administrator (LDTA), and Routing Official (RO))
E7	NON-CORE	Manage command travel funds (e.g., Temporary Additional Duty Target (TADTAR))
E6	CORE	Release travel vouchers to Defense Finance and Accounting Service (DFAS)
E7	NON-CORE	Review reports as Authorizing Official (AO) in Defense Travel System (DTS) (e.g., trip data, estimate costs, balance budget, etc.)
E6	NON-CORE	Review travel documents and decisions as Authorizing Official (AO) in Defense Travel System (DTS) (e.g., exceptions to policy, travel authorizations, financial accounting, final settlements, travel authorizations, vouchers, etc.)

Job Title
Pay Clerk

Job Code
001127

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Office and Administrative Support	TBD	PAY CLERK	PAY CLERK

Pay Plan	Career Field	Other Relationships and Rules
ENLISTED	PS	NECs AXXX and 7XXX series or other NECs as assigned

Job Description
Pay Clerks are responsible for processing travel claims for Active Components (AC) and Reserve Components (RC); process pay entitlements, deductions, payments, collections, and allotment requests; interpret publications and disseminate information to customers; review pay transactions; interpret Leave and Earnings Statements (LES), Master Military Pay Accounts (MMPA), and Department of Defense (DoD) pay and travel publications; prepare financial documents and process daily Electronic Funds Transfer (EFT) input requests; and serve as collection agents, agent cashiers, or cash custodians.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Combined Personnel and Administration, General	152000	Bookkeeping, Accounting, and Auditing Clerks	43-3031.00	Office and Administrative Support

Skills	Abilities
Monitoring	*Information Ordering*
Judgment and Decision Making	*Deductive Reasoning*
Complex Problem Solving	*Number Facility*
Management of Financial Resources	*Inductive Reasoning*
Coordination	*Written Comprehension*
Instructing	*Mathematical Reasoning*
Management of Personnel Resources	*Written Expression*
Quality Control Analysis	*Problem Sensitivity*
Operation and Control	*Category Flexibility*
Service Orientation	*Oral Expression*

AUTOMATED DATA PROCESSING (ADP) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Submit pay and personnel system transactions

CORRESPONDENCE

Paygrade	Task Type	Task Statements
E4	CORE	Prepare letters of authority
E4	CORE	Prepare statements of service
E4	CORE	Process Overseas Tour Extension Incentive Program (OTEIP) requests
E4	CORE	Update pay and personnel transaction ticklers
E5	CORE	Verify letters of authority

DISBURSING OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Assist on-site audits and cash verification teams
E5	CORE	Maintain disbursing office security
E4	NON-CORE	Maintain key logs
E4	NON-CORE	Prepare bank deposits
E4	NON-CORE	Prepare Daily Agent Accountability Summaries (DD FORM 2665)
E4	NON-CORE	Prepare Foreign Currency Control Records (DD FORM 2663)
E4	NON-CORE	Prepare Journal Vouchers (Optional Form 1017-G)

DISBURSING OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Prepare negotiable instrument endorsements (e.g., checks, money orders, etc.) and letters of destruction
E4	NON-CORE	Prepare Vouchers and Schedules of Withdrawals and Credits (Standard Form 1081)
E4	NON-CORE	Process collection and disbursement vouchers
E4	NON-CORE	Process Pay Adjustment Authorizations (DD FORM 139)
E6	NON-CORE	Reconcile on-site audits and cash verification team noted discrepancies
E4	NON-CORE	Verify cash on hand

LEGAL

Paygrade	Task Type	Task Statements
E4	CORE	Certify Record of Unauthorized Absence (NAVPERS 1070/606) adjustments
E4	CORE	Process Court Memorandums (NAVPERS 1070/607)

MILITARY PAY (MILPAY)

Paygrade	Task Type	Task Statements
E4	CORE	Correct Defense Finance and Accounting Service (DFAS) rejections
E4	CORE	Input daily Electronic Funds Transfer (EFT) payments via Master Military Pay Account (MMPA) (e.g., advance, partial, etc.)
E4	CORE	Input Selective Enlistment Bonus (SEB) entitlements
E4	CORE	Prepare pay entitlement and allowance documents (e.g., Career Sea Pay Premium (CSPP), Special Duty Assignment Pay (SDAP), special pay, etc.)
E4	CORE	Prepare waivers of indebtedness
E4	CORE	Process allotment authorizations
E4	CORE	Process pay entitlements and allowances (e.g., Career Sea Pay Premium (CSPP), Special Duty Assignment Pay (SDAP), special duty assignment letters, etc.)
E4	CORE	Process Temporary Lodging Allowances (TLA)
E4	CORE	Reconcile Selective Enlistment Bonuses (SEB)
E4	CORE	Submit adoption reimbursement and leave allowance documents
E4	CORE	Verify member Career Sea Pay Premium (CSPP) eligibility

MILITARY PERSONNEL (MILPERS) RECORDS

Paygrade	Task Type	Task Statements
E4	CORE	Compute Pay Entry Base Dates (PEBD) or Active Duty Service Dates (ADSD)
E4	CORE	Correct sea duty and shore duty commencement dates
E4	CORE	Prepare Administrative Remarks (NAVPERS 1070/613) (e.g., refusals, frocking, elect effect, pay remarks, etc.)
E4	CORE	Process Records of Emergency Data (RED) (DD FORM 93) and Dependency Applications (DA) (NAVPERS 1070/602)

NAVY CASH

Paygrade	Task Type	Task Statements
E4	NON-CORE	Audit Navy Cash accounts and reports
E4	NON-CORE	Back-up Navy Cash systems
E4	NON-CORE	Change Navy Cash card Personal Identification Numbers (PIN)

NAVY CASH (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Close Navy Cash accounts
E4	NON-CORE	Create Navy Cash accounts
E4	NON-CORE	Issue Navy Cash cards
E4	NON-CORE	Maintain daily Navy Cash transaction ledgers
E4	NON-CORE	Maintain Navy Cash system refund logs
E4	NON-CORE	Order Navy Cash cards
E4	NON-CORE	Perform Navy Cash card transactions
E4	NON-CORE	Process Navy Cash enrollments
E4	NON-CORE	Process Navy Cash refunds
E4	NON-CORE	Reconcile Navy Cash negative balance reports
E4	NON-CORE	Replace Navy Cash equipment components
E4	NON-CORE	Submit Navy Cash system trouble calls
E4	NON-CORE	Test Navy Cash systems and equipment
E4	NON-CORE	Troubleshoot Navy Cash systems and equipment
E4	NON-CORE	Update merchant accounts to Navy Cash system
E4	NON-CORE	Update Navy Cash account information

RECEIPTS

Paygrade	Task Type	Task Statements
E4	CORE	Counsel personnel on Permanent Change of Station (PCS) receipts processes
E4	CORE	Prepare receipt transactions
E4	CORE	Verify current duty station pay and allowance entitlements
E4	CORE	Verify Obligated Service (OBLISERV) completions for receipts
E4	CORE	Verify Selective Enlistment Bonuses (SEB)

REENLISTMENTS AND EXTENSIONS

Paygrade	Task Type	Task Statements
E4	CORE	Process Selective Reenlistment Bonus (SRB) payments and leave sell back
E4	CORE	Verify Enlisted Active Obligated Service (EAOS) postings to the Master Military Pay Account (MMPA)

RESERVES

Paygrade	Task Type	Task Statements
E5	CORE	Maintain Inactive Duty Training (IDT) and Inactive Duty Training Travel (IDTT) reports and retains
E4	CORE	Process Post Deployment Mobilization Respite Absences (PDMRA)
E4	CORE	Process reserve entitlements while on orders (i.e., Annual Training (AT), Active Duty Training (ADT), Inactive Duty Training (IDT), and Inactive Duty Training Travel (IDTT))
E4	CORE	Process reserve gains and losses (e.g., Reserve Component to Active Component (RC2AC), Career Intermission Program (CIP), Targeted Re-entry Program (TRP), mobilizations, demobilizations, recalls, Active Duty for Operational Support (ADOS), etc.)
E4	CORE	Verify Requests for Conditional Release (DD FORM 368)

SEPARATIONS AND RETIREMENTS

Paygrade	Task Type	Task Statements
E4	CORE	Maintain separation retains
E4	CORE	Prepare separation pay worksheets
E4	CORE	Process Master Military Pay Account (MMPA) separation transactions (e.g., strength loss, Report Final Separation (E503), etc.)
E4	CORE	Process separation questionnaires
E4	CORE	Reconcile leave balances
E4	CORE	Verify involuntary separation pay eligibility and entitlements
E4	CORE	Verify leave balances
E4	CORE	Verify lump sum leave and correct days paid
E5	CORE	Verify Master Military Pay Account (MMPA) separation transactions (e.g., Separation/Reentry Projected Settlement (NT), Separation Data Pending (N7), Separation/Reenlistment Data Rejects (NN), etc.)
E5	CORE	Verify Non-Judicial Punishment (NJP) actions for separations
E4	CORE	Verify obligation requirements to the Individual Ready Reserve (IRR)
E4	CORE	Verify suspended debts

TRANSFERS

Paygrade	Task Type	Task Statements
E4	CORE	Counsel personnel on Permanent Change of Station (PCS) transfer processes
E4	CORE	Prepare Advance Pay Certifications/Authorizations (DD FORM 2560)
E4	CORE	Verify Advance Pay Certifications/Authorizations (DD FORM 2560)

TRAVEL AND TRANSPORTATION

Paygrade	Task Type	Task Statements
E4	CORE	Archive travel data (e.g., Integrated Automated Travel System (IATS) files)
E4	CORE	Counsel personnel on travel entitlements
E4	CORE	Process advance and delayed travel of dependents
E4	CORE	Process Consecutive Overseas Tour (COT) travel entitlements
E4	CORE	Process dependent transportation requests
E4	CORE	Process Temporary Additional Duty (TEMADD) requests and orders (e.g., Medical Evacuations (MEDEVAC), emergency evacuations, cost Temporary Additional Duties (TAD) orders, no cost Temporary Additional Duties (TAD) orders, etc.)
E4	CORE	Process Temporary Lodging Expense (TLE) claims
E4	CORE	Process travel advance requests (e.g., Dislocation Allowances (DLA), per diem, etc.)
E4	CORE	Process travel claims
E4	NON-CORE	Process travel liquidations for family members to bedside of seriously ill or injured
E4	CORE	Reconcile travel claim overpayments
E5	CORE	Support Government Travel Charge Card (GTCC) programs (e.g., Permanent Change of Station (PCS) counseling, voucher liquidations, card issuance, etc.)
E4	CORE	Track travel claim submissions and liquidations
E4	CORE	Verify disbursements of travel payment postings
E4	CORE	Verify Electronic Funds Transfer (EFT) information

Job Title

Personnel Clerk

Job Code

001665

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Office and Administrative Support	TBD	PERSONNEL CLERK	PERS CLERK

Pay Plan	Career Field	Other Relationships and Rules
ENLISTED	PS	NECs AXXX and 7XXX series or other NECs as assigned

Job Description

Personnel Clerks are responsible for processing personnel documents for Active Components (AC) and Reserve Components (RC); verify and maintain Electronic Service Records (ESR); counsel personnel regarding travel entitlements and procedures, reenlistment, separation, and education and training; prepare administrative Naval messages; maintain accession, contracts, and quality control reports; manage command leave programs; issue identification cards; assist completion of applicable screenings for enlistment qualification; and conduct Personnel Tempo (PERSTEMPO) reporting entries.

DoD Relationship

Group Title	*DoD Code*
Combined Personnel and Administration, General	152000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Office Clerks, General	43-9061.00	Office and Administrative Support

Skills	Abilities
Monitoring	*Deductive Reasoning*
Complex Problem Solving	*Information Ordering*
Judgment and Decision Making	*Written Comprehension*
Management of Personnel Resources	*Inductive Reasoning*
Coordination	*Written Expression*
Instructing	*Mathematical Reasoning*
Quality Control Analysis	*Oral Expression*
Writing	*Category Flexibility*
Service Orientation	*Number Facility*
Management of Material Resources	*Problem Sensitivity*

AUTOMATED DATA PROCESSING (ADP) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Maintain operational and afloat unit personnel record data (e.g., Relational Administrative Data Management System (R-ADM))
E4	CORE	Submit pay and personnel system transactions

CORRESPONDENCE

Paygrade	Task Type	Task Statements
E4	CORE	Prepare letters of authority
E4	CORE	Prepare muster reports
E4	CORE	Prepare statements of service
E4	CORE	Process Overseas Tour Extension Incentive Program (OTEIP) requests
E4	CORE	Update pay and personnel transaction ticklers
E5	CORE	Verify letters of authority

DISBURSING OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Assist on-site audits and cash verification teams

EDUCATION SERVICES

Paygrade	Task Type	Task Statements
E4	CORE	Prepare advancement eligibility listings
E4	CORE	Verify Time-in-Rate (TIR) dates

IDENTIFICATION DATA (ID) CARDS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Annotate invalid identification cards (i.e., Common Access Cards (CAC) and Next Generation Uniformed Services IDs (USID))
E4	CORE	Counsel recipients of identification cards (i.e., Common Access Cards (CAC) and Next Generation Uniformed Services IDs (USID))
E4	NON-CORE	Document identification credentials in Defense Enrollment Eligibility Reporting System (DEERS)
E4	NON-CORE	Issue identification cards (i.e., Common Access Cards (CAC) and Next Generation Uniformed Services IDs (USID))
E4	CORE	Prepare Applications for Identification Card/DEERS Enrollment (DD FORM 1172-2)
E4	NON-CORE	Process suspended privileges correspondence within Defense Enrollment Eligibility Reporting System (DEERS)
E4	CORE	Verify dual military member spouse enrollments in Defense Enrollment Eligibility Reporting System (DEERS)

LEGAL

Paygrade	Task Type	Task Statements
E4	CORE	Certify Record of Unauthorized Absence (NAVPERS 1070/606) adjustments
E4	CORE	Implement Deserter/Absentee Wanted by the Armed Forces (DD FORM 553) procedures (e.g., pay entitlements, next of kin notification, etc.)
E4	CORE	Prepare Records of Unauthorized Absence (NAVPERS 1070/606)
E4	CORE	Process appellate leave
E4	CORE	Process Court Memorandums (NAVPERS 1070/607)
E4	CORE	Reconcile Records of Unauthorized Absence (NAVPERS 1070/606)

MANNING AND MANPOWER

Paygrade	Task Type	Task Statements
E4	CORE	Input failed to report transactions
E4	CORE	Input Personnel Tempo (PERSTEMPO) data
E4	CORE	Prepare availability notifications
E4	CORE	Prepare sailing diaries

MILITARY PAY (MILPAY)

Paygrade	Task Type	Task Statements
E4	CORE	Correct Defense Finance and Accounting Service (DFAS) rejections
E4	CORE	Input Selective Enlistment Bonus (SEB) entitlements
E4	CORE	Prepare pay entitlement and allowance documents (e.g., Career Sea Pay Premium (CSPP), Special Duty Assignment Pay (SDAP), special pay, etc.)
E4	CORE	Process allotment authorizations
E4	CORE	Process pay entitlements and allowances (e.g., Career Sea Pay Premium (CSPP), Special Duty Assignment Pay (SDAP), special duty assignment letters, etc.)
E4	CORE	Process Temporary Lodging Allowances (TLA)
E4	CORE	Reconcile Selective Enlistment Bonuses (SEB)
E4	CORE	Submit adoption reimbursement and leave allowance documents
E4	CORE	Verify member Career Sea Pay Premium (CSPP) eligibility

MILITARY PERSONNEL (MILPERS) RECORDS

Paygrade	Task Type	Task Statements
E4	CORE	Compute Pay Entry Base Dates (PEBD) or Active Duty Service Dates (ADSD)
E4	CORE	Confirm completion of Servicemembers' Group Life Insurance (SGLI) and Family Servicemembers' Group Life Insurance (FSGLI) enrollments in Servicemembers' Group Life Insurance (SGLI) Online Enrollment System (SOES)
E4	CORE	Correct sea duty and shore duty commencement dates
E4	CORE	Prepare Administrative Remarks (NAVPERS 1070/613) (e.g., refusals, frocking, elect effect, pay remarks, etc.)
E4	CORE	Process Electronic Service Record (ESR) entries
E4	CORE	Process leave requests (e.g., emergency, ordinary, separation, etc.)
E4	CORE	Process Records of Emergency Data (RED) (DD FORM 93) and Dependency Applications (DA) (NAVPERS 1070/602)

RECEIPTS

Paygrade	Task Type	Task Statements
E4	CORE	Counsel personnel on Permanent Change of Station (PCS) receipts processes
E4	CORE	Prepare receipt transactions
E4	CORE	Verify current duty station pay and allowance entitlements
E4	CORE	Verify Obligated Service (OBLISERV) completions for receipts
E4	CORE	Verify Selective Enlistment Bonuses (SEB)

REENLISTMENTS AND EXTENSIONS

Paygrade	Task Type	Task Statements
E4	CORE	Prepare Agreements to Extend Enlistment (NAVPERS 1070/621)
E4	CORE	Prepare Agreements to Recall or Extend Active Duty (NAVPERS 1070/622)
E4	CORE	Prepare reenlistment contracts (e.g., Immediate Reenlistment Contract (NAVPERS 1070/601))
E4	CORE	Process Selective Reenlistment Bonus (SRB) payments and leave sell back
E4	CORE	Verify Enlisted Active Obligated Service (EAOS) postings to the Master Military Pay Account (MMPA)

RESERVES

Paygrade	Task Type	Task Statements
E5	CORE	Maintain Inactive Duty Training (IDT) and Inactive Duty Training Travel (IDTT) reports and retains
E4	CORE	Manage Individual Mobilization Status (IMS) codes
E4	CORE	Process Post Deployment Mobilization Respite Absences (PDMRA)
E4	CORE	Process reserve gains and losses (e.g., Reserve Component to Active Component (RC2AC), Career Intermission Program (CIP), Targeted Re-entry Program (TRP), mobilizations, demobilizations, recalls, Active Duty for Operational Support (ADOS), etc.)
E4	CORE	Update Reserve Unit Assignment Documents (RUAD)
E7	CORE	Validate mobilization and demobilization documents
E4	CORE	Verify Requests for Conditional Release (DD FORM 368)
E5	CORE	Verify reserve point correspondence

SEPARATIONS AND RETIREMENTS

Paygrade	Task Type	Task Statements
E4	CORE	Maintain separation retains
E4	CORE	Process Certificates of Uniformed Service (DD FORM 214), Corrections to DD FORM 214, Certificate of Uniformed Service (DD FORM 215), and Certificates of Uniformed Service, Reserve Component Addendum (DD FORM 214-1)
E4	CORE	Process Master Military Pay Account (MMPA) separation transactions (e.g., strength loss, Report Final Separation (E503), etc.)
E4	CORE	Process separation orders via Navy Standard Integrated Personnel System (NSIPS)
E4	CORE	Process separation questionnaires
E4	CORE	Provide Data for Payment of Retired Personnel (DD FORM 2656) and applicable Survivor Benefit Plan (SBP) election forms
E4	CORE	Reconcile leave balances
E4	CORE	Verify leave balances
E4	CORE	Verify lump sum leave and correct days paid
E5	CORE	Verify Master Military Pay Account (MMPA) separation transactions (e.g., Separation/Reentry Projected Settlement (NT), Separation Data Pending (N7), Separation/Reenlistment Data Rejects (NN), etc.)
E5	CORE	Verify Non-Judicial Punishment (NJP) actions for separations
E4	CORE	Verify Obligated Service (OBLISERV) completions for transfer to fleet reserve
E4	CORE	Verify obligation requirements to the Individual Ready Reserve (IRR)

TRANSFERS

Paygrade	Task Type	Task Statements
E4	CORE	Counsel personnel on Permanent Change of Station (PCS) transfer processes
E4	CORE	Draft Dependent Entry Approval (DEA) messages and requests
E4	CORE	Input agreements to extend enlisted contracts (e.g., Obligated Service (OBLISERV))
E4	CORE	Prepare Advance Pay Certifications/Authorizations (DD FORM 2560)
E4	CORE	Prepare special duty screenings
E4	CORE	Prepare Transfer Information Sheets (TIS)
E4	CORE	Verify Advance Pay Certifications/Authorizations (DD FORM 2560)

TRAVEL AND TRANSPORTATION

Paygrade	Task Type	Task Statements
E4	CORE	Archive travel data (e.g., Integrated Automated Travel System (IATS) files)
E4	CORE	Counsel personnel on travel entitlements
E4	NON-CORE	Prepare Environmental Morale Leave (EML) and Family Environmental Morale Leave (FEML) entitlements and requests
E4	CORE	Process advance and delayed travel of dependents
E4	CORE	Process Consecutive Overseas Tour (COT) travel entitlements
E4	CORE	Process dependent transportation requests
E4	CORE	Process North Atlantic Treaty Organization (NATO) travel orders
E4	CORE	Process Passenger Reservation Requests (PRR)

TRAVEL AND TRANSPORTATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Process Temporary Additional Duty (TEMADD) requests and orders (e.g., Medical Evacuations (MEDEVAC), emergency evacuations, cost Temporary Additional Duties (TAD) orders, no cost Temporary Additional Duties (TAD) orders, etc.)
E4	CORE	Process Temporary Lodging Expense (TLE) claims
E4	CORE	Process travel advance requests (e.g., Dislocation Allowances (DLA), per diem, etc.)
E4	CORE	Process travel claims
E4	NON-CORE	Process travel liquidations for family members to bedside of seriously ill or injured
E4	CORE	Reconcile travel claim overpayments
E5	CORE	Support Government Travel Charge Card (GTCC) programs (e.g., Permanent Change of Station (PCS) counseling, voucher liquidations, card issuance, etc.)
E4	CORE	Track travel claim submissions and liquidations
E4	CORE	Verify disbursements of travel payment postings
E4	CORE	Verify Electronic Funds Transfer (EFT) information

Job Title

Personnel Supervisor

Job Code

001677

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Office and Administrative Support	TBD	PERSONNEL SUPERVISOR	PERS SUPV

Pay Plan	Career Field	Other Relationships and Rules
ENLISTED	PS	NECs AXXX and 7XXX series or other NECs as assigned

Job Description

Personnel Supervisors oversee the functions of the Personnel Clerk and are responsible for the operations of the personnel offices and programs for Active Components (AC) and Reserve Components (RC); audit pay transactions and personnel documents; verify Electronic Service Record (ESR) entries; manage Educational Service Office (ESO); authorize personnel systems access; manage Command Pay/Personnel Administrative Support System (PASS) Command Pay and Personnel Administrator (CPPA) program; manage Defense Enrollment Eligibility Reporting System (DEERS) and identification card entries; conduct pre-deployment briefs; perform enlisted manning verification using Billet Based Distribution (BBD) in MyNavy Assignment (MNA); conduct counseling regarding pay and personnel entitlements; manage electronic command leave program; and review and release Personnel Tempo (PERSTEMPO) events.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Combined Personnel and Administration, General	152000	First-Line Supervisors of Office and Administrative Support Workers	43-1011.00	Office and Administrative Support

Skills	Abilities
Monitoring	*Deductive Reasoning*
Judgment and Decision Making	*Information Ordering*
Coordination	*Written Comprehension*
Complex Problem Solving	*Written Expression*
Management of Personnel Resources	*Category Flexibility*
Quality Control Analysis	*Inductive Reasoning*
Management of Material Resources	*Problem Sensitivity*
Critical Thinking	*Number Facility*
Instructing	*Oral Expression*
Operation and Control	*Perceptual Speed*

AUTOMATED DATA PROCESSING (ADP) OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Approve pay and personnel system access requests (e.g., System Authorization Access Requests (SAAR) (DD FORM 2875))
E5	CORE	Distribute pay and personnel system transactions
E6	CORE	Establish pay and personnel system roles (e.g., Navy Standard Integrated Personnel System (NSIPS))
E4	CORE	Maintain operational and afloat unit personnel record data (e.g., Relational Administrative Data Management System (R-ADM))
E6	CORE	Maintain pay and personnel system access requests (e.g., System Authorization Access Requests (SAAR) (DD FORM 2875))
E6	CORE	Manage pay and personnel system accounts (e.g., Navy Standard Integrated Personnel System (NSIPS))

CORRESPONDENCE

Paygrade	Task Type	Task Statements
E5	CORE	Certify Overseas Tour Extension Incentive Program (OTEIP) processing
E4	CORE	Prepare letters of authority
E4	CORE	Prepare muster reports
E4	CORE	Prepare statements of service
E4	CORE	Process Overseas Tour Extension Incentive Program (OTEIP) requests

CORRESPONDENCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Update pay and personnel transaction ticklers
E5	CORE	Validate pay and personnel transaction ticklers
E5	CORE	Verify letters of authority

DISBURSING OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Assist on-site audits and cash verification teams

EDUCATION SERVICES

Paygrade	Task Type	Task Statements
E5	CORE	Counsel personnel on advancement requirements
E5	CORE	Determine advancement program eligibilities and quotas (e.g., Meritorious Advancement Program (MAP))
E5	CORE	Draft advancement recommendation withdrawal messages and correspondence
E6	CORE	Order Navy-Wide Advancement Examinations (NWAE)
E6	CORE	Prepare Navy-Wide Advancement Examinations (NWAE) correspondence
E6	CORE	Verify advancement worksheets
E5	CORE	Verify Professional Military Knowledge Eligibility Exam (PMK-EE) completions
E5	CORE	Verify program requirement eligibilities (e.g., advanced electronic fields, accelerated advancement, Professional Apprenticeship Career Tracks (PACT), etc.)

IDENTIFICATION DATA (ID) CARDS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Forward inventoried invalid identification cards (i.e., Common Access Cards (CAC) and Next Generation Uniformed Services IDs (USID)) to site security manager
E5	NON-CORE	Mail invalid identification cards (i.e., Common Access Cards (CAC) and Next Generation Uniformed Services IDs (USID)) to Defense Manpower Data Center (DMDC)
E6	NON-CORE	Manage cardstock inventories for identification cards (i.e., Common Access Cards (CAC) and Next Generation Uniformed Services IDs (USID))
E5	NON-CORE	Manage installation and maintenance of identification card systems and software
E5	NON-CORE	Reconcile invalid identification card (i.e., Common Access Cards (CAC) and Next Generation Uniformed Services IDs (USID)) inventories
E5	NON-CORE	Secure invalid identification cards (i.e., Common Access Cards (CAC) and Next Generation Uniformed Services IDs (USID))
E4	NON-CORE	Suspend privileges within Defense Enrollment Eligibility Reporting System (DEERS)
E6	NON-CORE	Verify compliance with identification card system security requirements (e.g., Real-time Automated Personnel Identification System (RAPIDS))
E4	CORE	Verify dual military member spouse enrollments in Defense Enrollment Eligibility Reporting System (DEERS)

LEGAL

Paygrade	Task Type	Task Statements
E5	CORE	Authenticate Deserter/Absentee Wanted by the Armed Forces (DD FORM 553) information
E5	CORE	Process Court Memorandum (NAVPERS 1070/607) adjustments

LEGAL (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Process Reports of Return of Absentee (DD FORM 616)
E6	CORE	Verify Court Memorandums (NAVPERS 1070/607) and adjustments

MANNING AND MANPOWER

Paygrade	Task Type	Task Statements
E6	CORE	Correct enlisted manning discrepancies (e.g., Billet Based Distribution (BBD))
E6	CORE	Create Enlisted Manning Inquiry Reports (EMIRS)
E6	CORE	Create Personnel Manning Reports (PERSMAR)
E4	CORE	Input failed to report transactions
E4	CORE	Input Personnel Tempo (PERSTEMPO) data
E6	CORE	Prepare Activity Manpower Document (AMD) change requests
E4	CORE	Prepare availability notifications
E6	CORE	Prepare Navy Enlisted Classification (NEC) Change Requests (NAVPERS 1221/6)
E5	CORE	Process Billet Sequence Code (BSC) change requests
E6	CORE	Process member realignment requests
E6	CORE	Validate Duty Navy Enlisted Code (DNEC) assignments
E6	CORE	Validate prospective and expired gains and losses reports
E5	CORE	Verify accuracy of availability notifications
E6	CORE	Verify Special Duty Assignment Pay (SDAP) certifications and recertifications

MILITARY PAY (MILPAY)

Paygrade	Task Type	Task Statements
E5	CORE	Audit leave accounting records and reports as Leave Administrator
E6	CORE	Authorize pay entitlements and allowances (e.g., Career Sea Pay Premium (CSPP), Special Duty Assignment Pay (SDAP), special duty assignment letters, etc.)
E6	CORE	Certify Selective Enlistment Bonuses (SEB)
E4	CORE	Correct Defense Finance and Accounting Service (DFAS) rejections
E6	CORE	Reconcile Pay Record Access (PRA) accounts
E4	CORE	Submit adoption reimbursement and leave allowance documents
E6	CORE	Verify Pay Record Access (PRA) records

MILITARY PERSONNEL (MILPERS) RECORDS

Paygrade	Task Type	Task Statements
E5	CORE	Certify Records of Emergency Data (RED) (DD FORM 93) and Dependency Applications (DA) (NAVPERS 1070/602)
E4	CORE	Process leave requests (e.g., emergency, ordinary, separation, etc.)
E5	CORE	Verify Electronic Service Record (ESR) entries

REENLISTMENTS AND EXTENSIONS

Paygrade	Task Type	Task Statements
E7	CORE	Approve Selective Reenlistment Bonus (SRB) payments and leave sell back
E4	CORE	Validate Electronic Service Records (ESR) close-outs upon re-enlistment
E6	CORE	Verify Agreement to Extend Enlistment (NAVPERS 1070/621) documents

REENLISTMENTS AND EXTENSIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Verify Agreement to Recall or Extend Active Duty (NAVPERS 1070/622) documents
E4	CORE	Verify Enlisted Active Obligated Service (EAOS) postings to the Master Military Pay Account (MMPA)
E6	CORE	Verify reenlistment contracts (e.g., Immediate Reenlistment Contract (NAVPERS 1070/601))
E6	CORE	Verify Selective Reenlistment Bonus (SRB) payments and leave sell back

RESERVES

Paygrade	Task Type	Task Statements
E5	CORE	Maintain Inactive Duty Training (IDT) and Inactive Duty Training Travel (IDTT) reports and retains
E6	CORE	Manage Inactive Duty Training (IDT) and Inactive Duty Training Travel (IDTT) programs
E5	CORE	Manage Manpower Availability Status (MAS) codes
E6	CORE	Manage reserve program accessions
E4	CORE	Update Reserve Unit Assignment Documents (RUAD)

SEPARATIONS AND RETIREMENTS

Paygrade	Task Type	Task Statements
E6	CORE	Certify Certificate of Uniformed Service (DD FORM 214), Correction to DD FORM 214, Certificate of Uniformed Service (DD FORM 215), and Certificate of Uniformed Service, Reserve Component Addendum (DD FORM 214-1) data
E6	CORE	Release Master Military Pay Account (MMPA) separation transactions (e.g., strength loss, Report Final Separation (E503), etc.)
E6	CORE	Release separation orders via Navy Standard Integrated Personnel System (NSIPS)
E5	CORE	Verify Master Military Pay Account (MMPA) separation transactions (e.g., Separation/Reentry Projected Settlement (NT), Separation Data Pending (N7), Separation/Reenlistment Data Rejects (NN), etc.)

TRANSFERS

Paygrade	Task Type	Task Statements
E6	CORE	Process delays in reporting
E5	CORE	Validate overseas assignment screenings
E6	CORE	Validate special duty screenings

TRAVEL AND TRANSPORTATION

Paygrade	Task Type	Task Statements
E5	CORE	Audit travel claims
E6	CORE	Certify Authorization To Apply For A "No-Fee" Passport and/or Request for Visa (DD FORM 1056) applications
E6	CORE	Certify Consecutive Overseas Tour (COT) travel entitlements
E5	NON-CORE	Certify Environmental Morale Leave (EML) and Family Environmental Morale Leave (FEML) entitlements and requests
E5	CORE	Certify travel advances

TRAVEL AND TRANSPORTATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Counsel personnel on travel entitlements
E6	CORE	Process Early Return of Dependents (ERD) requests
E6	CORE	Process Personnel Routing Instructions (PRI)
E4	CORE	Process Temporary Additional Duty (TEMADD) requests and orders (e.g., Medical Evacuations (MEDEVAC), emergency evacuations, cost Temporary Additional Duties (TAD) orders, no cost Temporary Additional Duties (TAD) orders, etc.)
E5	CORE	Support Government Travel Charge Card (GTCC) programs (e.g., Permanent Change of Station (PCS) counseling, voucher liquidations, card issuance, etc.)
E6	CORE	Track Consecutive Overseas Tour (COT) travel entitlements
E4	CORE	Track travel claim submissions and liquidations
E4	CORE	Verify disbursements of travel payment postings
E4	CORE	Verify Electronic Funds Transfer (EFT) information
E6	CORE	Verify official travel documents (e.g., passports, visas, etc.)
E6	CORE	Verify waiver claims for erroneous travel payments

Job Title

Personnel Manager

Job Code

001682

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Office and Administrative Support	TBD	PERSONNEL MANAGER	PERS MANAGER

Pay Plan	Career Field	Other Relationships and Rules
ENLISTED	PS	NECs AXXX and 7XXX series or other NECs as assigned

Job Description

Personnel Managers oversee the functions of the Personnel Clerk and Personnel Supervisor for Active Components (AC) and Reserve Components (RC); maintain overall responsibility of personnel divisions; certify all personnel documents and correspondence; administer Educational Service Office (ESO) programs; respond to official inquiries; and review and validate special, operational, and oversea duty screenings.

DoD Relationship

Group Title	*DoD Code*
Combined Personnel and Administration, General	152000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Office and Administrative Support Workers	43-1011.00	Office and Administrative Support

Skills	Abilities
Coordination	*Deductive Reasoning*
Monitoring	*Information Ordering*
Judgment and Decision Making	*Written Comprehension*
Quality Control Analysis	*Written Expression*
Complex Problem Solving	*Inductive Reasoning*
Management of Personnel Resources	*Category Flexibility*
Management of Material Resources	*Selective Attention*
Writing	*Mathematical Reasoning*
Critical Thinking	*Number Facility*
Management of Financial Resources	*Perceptual Speed*

AUTOMATED DATA PROCESSING (ADP) OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Maintain pay and personnel system access requests (e.g., System Authorization Access Requests (SAAR) (DD FORM 2875))

CORRESPONDENCE

Paygrade	Task Type	Task Statements
E5	CORE	Verify letters of authority

DISBURSING OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Assist on-site audits and cash verification teams
E7	NON-CORE	Respond to official inquiries (e.g., Defense Finance and Accounting Service (DFAS), advise of errors, Inspector General (IG), Board for Correction of Naval Records (BCNR), etc.)

EDUCATION SERVICES

Paygrade	Task Type	Task Statements
E7	CORE	Administer Navy-Wide Advancement Examinations (NWAE)
E7	CORE	Destroy Navy-Wide Advancement Examinations (NWAE)
E5	CORE	Draft advancement recommendation withdrawal messages and correspondence
E7	CORE	Inventory Navy-Wide Advancement Examinations (NWAE)
E6	CORE	Order Navy-Wide Advancement Examinations (NWAE)
E6	CORE	Prepare Navy-Wide Advancement Examinations (NWAE) correspondence

EDUCATION SERVICES (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Transfer Navy-Wide Advancement Examinations (NWAE)
E7	CORE	Validate Navy-Wide Advancement Examinations (NWAE) returns
E6	CORE	Verify advancement worksheets
E5	CORE	Verify Professional Military Knowledge Eligibility Exam (PMK-EE) completions

IDENTIFICATION DATA (ID) CARDS

Paygrade	Task Type	Task Statements
E6	NON-CORE	Manage cardstock inventories for identification cards (i.e., Common Access Cards (CAC) and Next Generation Uniformed Services IDs (USID))
E6	NON-CORE	Verify compliance with identification card system security requirements (e.g., Real-time Automated Personnel Identification System (RAPIDS))

LEGAL

Paygrade	Task Type	Task Statements
E6	CORE	Verify Court Memorandums (NAVPERS 1070/607) and adjustments

MANNING AND MANPOWER

Paygrade	Task Type	Task Statements
E6	CORE	Correct enlisted manning discrepancies (e.g., Billet Based Distribution (BBD))
E6	CORE	Create Enlisted Manning Inquiry Reports (EMIRS)
E6	CORE	Create Personnel Manning Reports (PERSMAR)
E6	CORE	Prepare Activity Manpower Document (AMD) change requests
E7	CORE	Validate Billet Sequence Code (BSC) change requests
E7	CORE	Validate Enlisted Manning Inquiry Reports (EMIRS)
E7	CORE	Validate Personnel Manning Reports (PERSMAR)
E6	CORE	Validate prospective and expired gains and losses reports
E5	CORE	Verify accuracy of availability notifications
E7	CORE	Verify enlisted manning discrepancy corrections (e.g., Billet Based Distribution (BBD))
E6	CORE	Verify Special Duty Assignment Pay (SDAP) certifications and recertifications

MILITARY PAY (MILPAY)

Paygrade	Task Type	Task Statements
E5	CORE	Audit leave accounting records and reports as Leave Administrator
E6	CORE	Authorize pay entitlements and allowances (e.g., Career Sea Pay Premium (CSPP), Special Duty Assignment Pay (SDAP), special duty assignment letters, etc.)
E6	CORE	Reconcile Pay Record Access (PRA) accounts
E6	CORE	Verify Pay Record Access (PRA) records

MILITARY PERSONNEL (MILPERS) RECORDS

Paygrade	Task Type	Task Statements
E7	CORE	Authenticate personnel documents
E5	CORE	Certify Records of Emergency Data (RED) (DD FORM 93) and Dependency Applications (DA) (NAVPERS 1070/602)
E4	CORE	Process leave requests (e.g., emergency, ordinary, separation, etc.)

REENLISTMENTS AND EXTENSIONS

Paygrade	Task Type	Task Statements
E7	CORE	Approve Selective Reenlistment Bonus (SRB) payments and leave sell back
E4	CORE	Verify Enlisted Active Obligated Service (EAOS) postings to the Master Military Pay Account (MMPA)
E6	CORE	Verify Selective Reenlistment Bonus (SRB) payments and leave sell back

RESERVES

Paygrade	Task Type	Task Statements
E6	CORE	Manage Inactive Duty Training (IDT) and Inactive Duty Training Travel (IDTT) programs
E6	CORE	Manage reserve program accessions

SEPARATIONS AND RETIREMENTS

Paygrade	Task Type	Task Statements
E6	CORE	Certify Certificate of Uniformed Service (DD FORM 214), Correction to DD FORM 214, Certificate of Uniformed Service (DD FORM 215), and Certificate of Uniformed Service, Reserve Component Addendum (DD FORM 214-1) data
E7	CORE	Certify separation and retirement documentation
E6	CORE	Release Master Military Pay Account (MMPA) separation transactions (e.g., strength loss, Report Final Separation (E503), etc.)
E6	CORE	Release separation orders via Navy Standard Integrated Personnel System (NSIPS)
E5	CORE	Verify Master Military Pay Account (MMPA) separation transactions (e.g., Separation/Reentry Projected Settlement (NT), Separation Data Pending (N7), Separation/Reenlistment Data Rejects (NN), etc.)

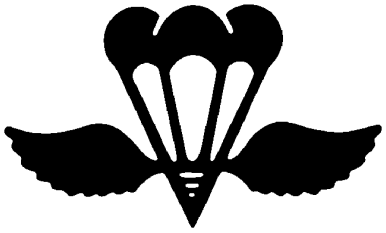
TRANSFERS

Paygrade	Task Type	Task Statements
E6	CORE	Process delays in reporting
E6	CORE	Validate special duty screenings

TRAVEL AND TRANSPORTATION

Paygrade	Task Type	Task Statements
E6	CORE	Certify Authorization To Apply For A "No-Fee" Passport and/or Request for Visa (DD FORM 1056) applications
E6	CORE	Certify Consecutive Overseas Tour (COT) travel entitlements
E7	NON-CORE	Manage command travel funds (e.g., Temporary Additional Duty Target (TADTAR))
E6	CORE	Process Early Return of Dependents (ERD) requests
E6	CORE	Process Personnel Routing Instructions (PRI)
E6	CORE	Track Consecutive Overseas Tour (COT) travel entitlements

CHAPTER 65



AIRCREW SURVIVAL EQUIPMENTMAN (PR)

NAVPERS 18068F-65F
Change 102

Updated: April 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

AIRCREW SURVIVAL EQUIPMENTMAN (PR)

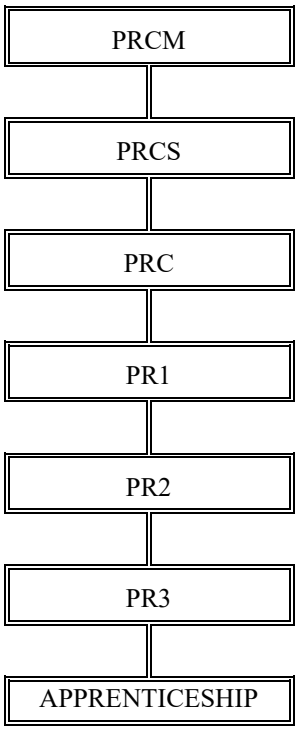
SCOPE OF RATING

Aircrew Survival Equipmentmen (PR) inspect, maintain, test, troubleshoot, repair, and manage Aviation Life Support Systems (ALSS) programs, oxygen systems, parachutes, seat pans, survival equipment, electronic and physical records, and flight and protective clothing and equipment; pack and rig parachutes; pack and equip flotation equipment; fit and maintain oxygen masks, flight clothing, anti-exposure suits, and anti-gravity suits; operate and maintain Carbon Dioxide (CO2) transfer and recharge equipment; operate and repair sewing machines; conduct special calendar/periodic inspections of survival equipment; pack and perform Quality Assurance Inspections (QAI) on static line and military freefall parachutes; conduct Jumpmaster Personnel Inspections (JMPIs); perform duties as Drop Zone Safety Officer and Malfunction Officer in support of Premeditated Personnel Parachuting (P3) operations; and supervise operation of parachute lofts and survival equipment work centers.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 65.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Aviation Life Support Systems Training and Acquisition Manager 001687

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	ALSS TRAINING ACQUISITION MGR	ALSS TRACQ MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	PR	NEC 788A

Job Description

Aviation Life Support Systems Training and Acquisition Managers perform critical acquisition-type and training activities and functions (i.e., Integrated Logistics Support (ILS), Naval Air Training Management Support Activity (NATMSACT)); are responsible for acquisition systems development and testing, and logistic support for acquisition programs oversight, review, and acceptance of supplies and services; ensure reliability and maintainability for systems design, the development of acquisition and logistics plans and documents, system integration, logistics support analysis, provisioning, configuration, management, systems modifications, and site activation or program planning, oversight, and acceptance of supplies and services; are responsible for various requirements related to the development and execution of budgets, acquisition and logistics support of programs.

DoD Relationship

Group Title	*DoD Code*
Forward Area Equipment Support, General	186000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Training and Development Managers	11-3131.00	Management

Skills

Management of Financial Resources
Management of Material Resources
Judgment and Decision Making
Complex Problem Solving
Learning Strategies
Monitoring
Quality Control Analysis
Service Orientation
Systems Analysis
Systems Evaluation

Abilities

Perceptual Speed
Written Comprehension
Oral Expression
Information Ordering
Spatial Orientation
Deductive Reasoning
Written Expression

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Validate Aviation Life Support System (ALSS) assets

QUALITY ASSURANCE (QA)

Paygrade	Task Type	Task Statements
E6	CORE	Consolidate assets from support organizations
E7	CORE	Coordinate engineering requirements for Aviation Life Support System (ALSS) equipment
E7	CORE	Develop Aviation Life Support System (ALSS) programs
E6	CORE	Distribute assets to operational organizations
E6	CORE	Maintain inventory records for Aviation Life Support System (ALSS) parts and stocks
E5	CORE	Process inventory records for Aviation Life Support System (ALSS) parts and stocks
E5	CORE	Validate parts' information for accuracy

TRAINING

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate Fleet Air Introduction Liaison Survival Aircrew Flight Equipment (FAILSAFE) programs
E7	CORE	Manage Aviation Life Support System (ALSS) fleet support programs (e.g., Program Manager Air (PMA), Fleet Support Team (FST), Class Desk, etc.)

Job Title **Job Code**

Aviation Life Support Systems Intermediate Level Technician 001692

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	ALSS INTERMEDIATE LEVEL TEC	ALSS ILVL TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	PR	NEC F16A

Job Description

Aviation Life Support Systems Intermediate Level Technicians supervise and perform maintenance, repairs, and rigging for aircraft and man- mounted systems including emergency parachutes, seat survival kits, life rafts, life preservers, anti-exposure assemblies, Search and Rescue (SAR) equipment, oxygen systems, and liquid oxygen converters; operate and maintain oxygen system test stands, liquid oxygen converter test stands, On-Board Oxygen Generating System (OBOGS) test sets, and Carbon Dioxide (CO2) recharge equipment; analyze Aviators Breathing Oxygen (ABO); operate and maintain sewing machines (e.g., adjustments, lubrication, etc.) perform pre-operation periodic inspections on related support equipment; and apply fundamental principles of ordnance handing functions.

DoD Relationship

Group Title	*DoD Code*
Forward Area Equipment Support, General	186000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061.00	Production

Skills	Abilities
Equipment Maintenance	*Multi-limb Coordination*
Repairing	*Wrist-Finger Speed*
Management of Material Resources	*Written Comprehension*
Installation	*Oral Expression*
Equipment Selection	*Visual Color Discrimination*
Reading Comprehension	*Control Precision*
Quality Control Analysis	*Information Ordering*
Monitoring	*Perceptual Speed*
Management of Financial Resources	*Written Expression*
Instructing	*Deductive Reasoning*

AIRCREW PERSONAL PROTECTION GEAR

Paygrade	Task Type	Task Statements
E4	CORE	Inspect aircrew Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) system
E4	CORE	Inspect aircrew survival equipment
E4	CORE	Inspect anti-exposure assemblies
E4	CORE	Maintain aircrew Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) systems
E4	CORE	Maintain aircrew oxygen masks
E4	CORE	Maintain anti-exposure assemblies
E4	CORE	Maintain anti-gravity systems
E4	CORE	Repair aircrew Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) system
E4	CORE	Repair aircrew survival equipment
E4	CORE	Repair anti-exposure assemblies
E4	CORE	Replace aircrew Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) system
E4	CORE	Replace aircrew survival equipment

AIRCREW PERSONAL PROTECTION GEAR (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Replace anti-exposure assemblies
E4	CORE	Troubleshoot aircrew Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) system
E4	CORE	Troubleshoot aircrew survival equipment
E4	CORE	Troubleshoot anti-exposure assemblies

FABRICATION AND MANUFACTURING

Paygrade	Task Type	Task Statements
E4	CORE	Design fabrication patterns
E4	CORE	Inspect fabrication hardware and materials
E4	CORE	Maintain fabrication hardware and materials
E4	CORE	Manufacture products for aircraft
E4	CORE	Manufacture templates for patterns
E4	CORE	Repair fabrication hardware and materials
E4	CORE	Replace fabrication hardware and materials
E4	CORE	Troubleshoot fabrication hardware and materials

GENERAL MAINTENANCE

Paygrade	Task Type	Task Statements
E5	CORE	Assist with emergency reclamation procedure
E4	CORE	Inspect parachute systems
E4	CORE	Maintain aircraft restraint systems
E4	CORE	Maintain parachute systems
E4	CORE	Repair parachute systems
E4	CORE	Replace parachute systems
E4	CORE	Troubleshoot parachute systems

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Inspect Aviation Life Support Equipment (ALSE) maintenance records
E4	CORE	Maintain Aviation Life Support Equipment (ALSE) maintenance records
E4	CORE	Maintain technical Aviation Life Support System (ALSS) documents
E6	CORE	Manage Joint Search and Rescue Satellite-aided Tracking (SARSAT) Electronic Tracking Systems (JSETS), Cosmicheskaya Sistyema Poiska Avariynich Sudov (COSPAS), and Search and Rescue Satellite-aided Tracking (SARSAT) accounts for survival radios
E6	CORE	Manage technical Aviation Life Support System (ALSS) documents
E4	CORE	Update Aviation Life Support Equipment (ALSE) maintenance records
E7	CORE	Validate Aviation Life Support System (ALSS) assets
E5	CORE	Verify equipment status reports
E5	CORE	Verify Individual Component Repair Lists (ICRL)
E5	CORE	Verify Individual Material Readiness Lists (IMRL)

MECHANICAL MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Inspect industrial sewing machines
E4	CORE	Maintain industrial sewing machines
E4	CORE	Maintain Mobile Refill Stations (MRS III)
E4	CORE	Repair industrial sewing machines
E4	CORE	Troubleshoot industrial sewing machines

ORDNANCE

Paygrade	Task Type	Task Statements
E5	CORE	Conduct explosive devices training
E4	CORE	Inspect Aviation Life Support System (ALSS) pyrotechnics
E4	CORE	Inspect Cartridge Actuated Device (CAD) systems
E4	CORE	Inspect installed service life cycle of explosive ordnance (Cartridge Actuated Device (CAD)/Propellant Actuated Device (PAD))
E4	CORE	Maintain Aviation Life Support System (ALSS) pyrotechnics
E4	CORE	Maintain Cartridge Actuated Device (CAD) systems
E6	CORE	Manage Aviation Life Support System (ALSS) ordnance certification programs
E6	CORE	Manage installed service life cycle of explosive ordnance (Cartridge Actuated Device (CAD)/Propellant Actuated Device (PAD))
E4	CORE	Repair Cartridge Actuated Device (CAD) systems
E4	CORE	Replace Cartridge Actuated Device (CAD) systems
E4	CORE	Troubleshoot Cartridge Actuated Device (CAD) systems
E5	CORE	Validate installed service life cycle of explosive ordnance (Cartridge Actuated Device (CAD)/Propellant Actuated Device (PAD))

OXYGEN, NITROGEN, AND LIQUID OXYGEN SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Inspect Aviators Breathing Oxygen (ABO) systems
E4	CORE	Inspect emergency oxygen equipment
E4	CORE	Inspect gaseous oxygen equipment
E4	CORE	Inspect Liquid Oxygen (LOX) equipment
E4	CORE	Inspect oxygen systems (e.g., concentrators, converters, regulators, etc.)
E4	CORE	Maintain Aviators Breathing Oxygen (ABO) systems
E4	CORE	Maintain emergency oxygen equipment
E4	CORE	Maintain gaseous oxygen equipment
E4	CORE	Maintain Liquid Oxygen (LOX) equipment
E4	CORE	Maintain oxygen systems (e.g., concentrators, converters, regulators, etc.)
E4	CORE	Repair Aviators Breathing Oxygen (ABO) systems
E4	CORE	Repair emergency oxygen equipment
E4	CORE	Repair gaseous oxygen equipment
E4	CORE	Repair Liquid Oxygen (LOX) equipment
E4	CORE	Repair oxygen systems (e.g., concentrators, converters, regulators, etc.)

OXYGEN, NITROGEN, AND LIQUID OXYGEN SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Replace Aviators Breathing Oxygen (ABO) systems
E4	CORE	Replace emergency oxygen equipment
E4	CORE	Replace gaseous oxygen equipment
E4	CORE	Replace Liquid Oxygen (LOX) equipment
E4	CORE	Replace oxygen systems (e.g., concentrators, converters, regulators, etc.)
E4	CORE	Troubleshoot Aviators Breathing Oxygen (ABO) systems
E4	CORE	Troubleshoot emergency oxygen equipment
E4	CORE	Troubleshoot gaseous oxygen equipment
E4	CORE	Troubleshoot Liquid Oxygen (LOX) equipment
E4	CORE	Troubleshoot oxygen systems (e.g., concentrators, converters, regulators, etc.)

QUALITY ASSURANCE (QA)

Paygrade	Task Type	Task Statements
E5	CORE	Audit Naval Aviation Maintenance Programs (NAMP) (e.g., Aviation Life Support System (ALSS), Aviators Breathing Oxygen (ABO), Egress, etc.)
E5	CORE	Conduct Quality Assurance (QA) inspections
E6	CORE	Consolidate assets from support organizations
E6	CORE	Coordinate Technical Directives (TD) compliance
E7	CORE	Develop Aviation Life Support System (ALSS) programs
E6	CORE	Distribute assets to operational organizations
E6	CORE	Inspect Aviation Life Support System (ALSS) programs
E6	CORE	Maintain inventory records for Aviation Life Support System (ALSS) parts and stocks
E6	CORE	Manage Aviation Life Support System (ALSS) programs
E6	CORE	Manage breathable compressed air for Aviation Life Support System (ALSS)
E6	CORE	Manage compliance with Technical Directives (TD) program
E6	CORE	Manage support equipment Planned Maintenance System (PMS) programs
E5	CORE	Process inventory records for Aviation Life Support System (ALSS) parts and stocks
E5	CORE	Validate parts' information for accuracy
E4	CORE	Verify Naval Aviation Maintenance Programs (NAMP)
E4	CORE	Verify Naval Aviation Maintenance Programs (NAMP) (e.g., Aviation Life Support System (ALSS), Aviators Breathing Oxygen (ABO), Egress, etc.)
E4	CORE	Verify support equipment Planned Maintenance System (PMS)
E5	CORE	Verify Support Equipment Standardization System (SESS)
E4	CORE	Verify Technical Directives (TD)

SURVIVAL AND RESCUE GEAR

Paygrade	Task Type	Task Statements
E4	CORE	Inspect emergency breathing devices
E4	CORE	Inspect flotation equipment (e.g., life preserver, life rafts, etc.)
E4	CORE	Inspect Mobile Refill Stations (MRS III)

SURVIVAL AND RESCUE GEAR (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Inspect parachute assemblies and equipment
E4	CORE	Inspect Search and Rescue (SAR) personal equipment
E4	CORE	Inspect Seat Kit Unit (SKU)
E4	CORE	Inspect survival items (e.g., medical kits, mirrors, sea dye, etc.)
E4	CORE	Inspect survival radios
E4	CORE	Maintain aircrew survival equipment
E4	CORE	Maintain auxiliary life support equipment
E4	CORE	Maintain emergency breathing devices
E4	CORE	Maintain flotation equipment (e.g., life preserver, life rafts, etc.)
E4	CORE	Maintain parachute assemblies and equipment
E4	CORE	Maintain Seat Kit Unit (SKU)
E4	CORE	Maintain survival items (e.g., medical kits, mirrors, sea dye, etc.)
E4	CORE	Maintain survival radios
E4	CORE	Repair emergency breathing devices
E4	CORE	Repair flotation equipment (e.g., life preserver, life rafts, etc.)
E4	CORE	Repair Mobile Refill Stations (MRS III)
E4	CORE	Repair parachute assemblies and equipment
E4	CORE	Repair Search and Rescue (SAR) personal equipment
E4	CORE	Repair Seat Kit Unit (SKU)
E4	CORE	Repair survival items (e.g., medical kits, mirrors, sea dye, etc.)
E4	CORE	Repair survival radios
E4	CORE	Replace emergency breathing devices
E4	CORE	Replace flotation equipment (e.g., life preserver, life rafts, etc.)
E4	CORE	Replace Mobile Refill Stations (MRS III)
E4	CORE	Replace parachute assemblies and equipment
E4	CORE	Replace Search and Rescue (SAR) personal equipment
E4	CORE	Replace Seat Kit Unit (SKU)
E4	CORE	Replace survival items (e.g., medical kits, mirrors, sea dye, etc.)
E4	CORE	Replace survival radios
E4	CORE	Troubleshoot emergency breathing devices
E4	CORE	Troubleshoot flotation equipment (e.g., life preserver, life rafts, etc.)
E4	CORE	Troubleshoot Mobile Refill Stations (MRS III)
E4	CORE	Troubleshoot parachute assemblies and equipment
E4	CORE	Troubleshoot Search and Rescue (SAR) personal equipment
E4	CORE	Troubleshoot Seat Kit Unit (SKU)
E4	CORE	Troubleshoot survival items (e.g., medical kits, mirrors, sea dye, etc.)
E4	CORE	Troubleshoot survival radios

TRAINING

Paygrade	Task Type	Task Statements
E4	NON-CORE	Conduct air operations (e.g., static line parachuting, military free fall, fast rope, rappel, etc.)
E5	CORE	Conduct aircraft-installed life support equipment training
E5	NON-CORE	Instruct survival equipment training

Job Title **Job Code**

Aviation Life Support Systems Organizational Level Technician 001700

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	ALSS ORGANIZATION LEVEL TEC	ALSS OLVL TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	PR	None

Job Description

Aviation Life Support Systems Organizational Level Technicians maintain emergency parachutes, aircraft restraint systems, life rafts, Search and Rescue (SAR) equipment, aircraft firefighting equipment, and first aid kits; maintain and repair man-mounted (pilot/aircrewman) survival equipment including flight gear, protective clothing, survival vests, anti-exposure assemblies, anti-gravity systems, body armor systems, oxygen systems, and personal SAR equipment; operate and maintain sewing machines (e.g., adjustments, lubrication, etc.) perform daily, pre-flight, post-flight, and other periodic aircraft inspections; and apply fundamental principles of ordnance handling functions.

DoD Relationship

Group Title	*DoD Code*
Forward Area Equipment Support, General	186000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Production and Operating Workers	51-1011.00	Production

Skills	Abilities
Equipment Maintenance	*Multi-limb Coordination*
Repairing	*Wrist-Finger Speed*
Installation	*Written Comprehension*
Management of Material Resources	*Oral Expression*
Equipment Selection	*Manual Dexterity*
Reading Comprehension	*Dynamic Flexibility*
Quality Control Analysis	*Stamina*
Instructing	*Visual Color Discrimination*
Operation and Control	*Arm-Hand Steadiness*
Management of Financial Resources	*Speech Clarity*

AIRCREW PERSONAL PROTECTION GEAR

Paygrade	Task Type	Task Statements
E4	CORE	Inspect aircrew Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) system
E4	CORE	Inspect aircrew oxygen masks
E4	CORE	Inspect aircrew survival equipment
E4	CORE	Inspect anti-exposure assemblies
E4	CORE	Inspect anti-gravity systems
E4	CORE	Inspect auxiliary life support equipment
E4	CORE	Inspect body armor systems
E4	CORE	Inspect general purpose flight clothing
E4	CORE	Inspect survival vests
E4	CORE	Maintain aircrew Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) systems
E4	CORE	Maintain aircrew oxygen masks
E4	CORE	Maintain anti-exposure assemblies
E4	CORE	Maintain anti-gravity systems
E4	CORE	Maintain body armor systems
E4	CORE	Maintain general purpose flight clothing

AIRCREW PERSONAL PROTECTION GEAR (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain survival vests
E4	CORE	Repair aircrew Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) system
E4	CORE	Repair aircrew oxygen masks
E4	CORE	Repair aircrew survival equipment
E4	CORE	Repair anti-exposure assemblies
E4	CORE	Repair anti-gravity systems
E4	CORE	Repair auxiliary life support equipment
E4	CORE	Repair body armor systems
E4	CORE	Repair general purpose flight clothing
E4	CORE	Repair survival vests
E4	CORE	Replace aircrew Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) system
E4	CORE	Replace aircrew oxygen masks
E4	CORE	Replace aircrew survival equipment
E4	CORE	Replace anti-exposure assemblies
E4	CORE	Replace anti-gravity systems
E4	CORE	Replace auxiliary life support equipment
E4	CORE	Replace body armor systems
E4	CORE	Replace general purpose flight clothing
E4	CORE	Replace survival vests
E4	CORE	Troubleshoot aircrew Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) system
E4	CORE	Troubleshoot aircrew oxygen masks
E4	CORE	Troubleshoot aircrew survival equipment
E4	CORE	Troubleshoot anti-exposure assemblies
E4	CORE	Troubleshoot anti-gravity systems
E4	CORE	Troubleshoot auxiliary life support equipment
E4	CORE	Troubleshoot body armor systems
E4	CORE	Troubleshoot general purpose flight clothing
E4	CORE	Troubleshoot survival vests

FABRICATION AND MANUFACTURING

Paygrade	Task Type	Task Statements
E4	CORE	Design fabrication patterns
E4	CORE	Inspect fabrication hardware and materials
E4	CORE	Maintain fabrication hardware and materials
E4	CORE	Manufacture products for aircraft
E4	CORE	Manufacture products for aircrews (e.g., Signal Distress Unit (SDU-39) lanyards, vest retaining lines, Advanced Crew Tether System (ACTS) harness, etc.)

FABRICATION AND MANUFACTURING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Manufacture templates for patterns
E4	CORE	Repair fabrication hardware and materials
E4	CORE	Replace fabrication hardware and materials
E4	CORE	Troubleshoot fabrication hardware and materials

GENERAL MAINTENANCE

Paygrade	Task Type	Task Statements
E5	CORE	Assist with emergency reclamation procedure
E4	NON-CORE	Inspect air operations equipment
E4	CORE	Inspect aircraft furnishings (e.g., carpet, seat cushions, sound proofing, etc.)
E4	CORE	Inspect aircraft restraint systems
E4	CORE	Inspect aircraft-installed life support equipment
E4	CORE	Inspect aircraft-installed parachute systems
E4	CORE	Inspect aircraft-mounted firefighting equipment
E4	CORE	Inspect Night Vision Devices (NVD)
E4	NON-CORE	Maintain air operations equipment (e.g., static line parachutes, fast ropes, etc.)
E4	CORE	Maintain aircraft furnishings (e.g., carpet, seat cushions, sound proofing, etc.)
E4	CORE	Maintain aircraft restraint systems
E4	CORE	Maintain aircraft-installed life support equipment (e.g., Helicopter Rope Suspension Technique (HRST), etc.)
E4	CORE	Maintain aircraft-installed parachute systems
E4	CORE	Maintain aircraft-mounted firefighting equipment
E4	CORE	Maintain Night Vision Devices (NVD)
E4	NON-CORE	Repair air operations equipment
E4	CORE	Repair aircraft furnishings (e.g., carpet, seat cushions, sound proofing, etc.)
E4	CORE	Repair aircraft restraint systems
E4	CORE	Repair aircraft-installed life support equipment
E4	CORE	Repair aircraft-installed parachute systems
E4	CORE	Repair aircraft-mounted firefighting equipment
E4	CORE	Repair Night Vision Devices (NVD)
E4	NON-CORE	Replace air operations equipment
E4	CORE	Replace aircraft furnishings (e.g., carpet, seat cushions, sound proofing, etc.)
E4	CORE	Replace aircraft restraint systems
E4	CORE	Replace aircraft-installed life support equipment
E4	CORE	Replace aircraft-installed parachute systems
E4	CORE	Replace aircraft-mounted firefighting equipment
E4	CORE	Replace Night Vision Devices (NVD)
E4	NON-CORE	Troubleshoot air operations equipment
E4	CORE	Troubleshoot aircraft furnishings (e.g., carpet, seat cushions, sound proofing, etc.)

GENERAL MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot aircraft restraint systems
E4	CORE	Troubleshoot aircraft-installed life support equipment
E4	CORE	Troubleshoot aircraft-installed parachute systems
E4	CORE	Troubleshoot aircraft-mounted firefighting equipment
E4	CORE	Troubleshoot Night Vision Devices (NVD)

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Inspect Aviation Life Support Equipment (ALSE) maintenance records
E4	CORE	Maintain Aviation Life Support Equipment (ALSE) maintenance records
E4	CORE	Maintain technical Aviation Life Support System (ALSS) documents
E6	CORE	Manage Joint Search and Rescue Satellite-aided Tracking (SARSAT) Electronic Tracking Systems (JSETS), Cosmicheskaya Sistyema Poiska Avariynich Sudov (COSPAS), and Search and Rescue Satellite-aided Tracking (SARSAT) accounts for survival radios
E6	CORE	Manage technical Aviation Life Support System (ALSS) documents
E4	CORE	Update Aviation Life Support Equipment (ALSE) maintenance records
E5	CORE	Verify equipment status reports
E5	CORE	Verify Individual Material Readiness Lists (IMRL)

MECHANICAL MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Inspect industrial sewing machines
E4	CORE	Maintain industrial sewing machines
E4	CORE	Maintain Mobile Refill Stations (MRS III)
E4	CORE	Repair industrial sewing machines
E4	CORE	Troubleshoot industrial sewing machines

ORDNANCE

Paygrade	Task Type	Task Statements
E5	CORE	Conduct explosive devices training
E4	CORE	Inspect Aviation Life Support System (ALSS) pyrotechnics
E4	CORE	Inspect Cartridge Actuated Device (CAD) systems
E4	CORE	Inspect installed service life cycle of explosive ordnance (Cartridge Actuated Device (CAD)/Propellant Actuated Device (PAD))
E4	CORE	Maintain Aviation Life Support System (ALSS) pyrotechnics
E4	CORE	Maintain Cartridge Actuated Device (CAD) systems
E6	CORE	Manage Aviation Life Support System (ALSS) ordnance certification programs
E6	CORE	Manage installed service life cycle of explosive ordnance (Cartridge Actuated Device (CAD)/Propellant Actuated Device (PAD))
E4	CORE	Repair Cartridge Actuated Device (CAD) systems
E4	CORE	Replace Cartridge Actuated Device (CAD) systems
E4	CORE	Troubleshoot Cartridge Actuated Device (CAD) systems

ORDNANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Validate installed service life cycle of explosive ordnance (Cartridge Actuated Device (CAD)/Propellant Actuated Device (PAD))

OXYGEN, NITROGEN, AND LIQUID OXYGEN SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Inspect Aviators Breathing Oxygen (ABO) systems
E4	CORE	Inspect emergency oxygen equipment
E4	CORE	Inspect gaseous oxygen equipment
E4	CORE	Inspect Liquid Oxygen (LOX) equipment
E4	CORE	Inspect oxygen systems (e.g., concentrators, converters, regulators, etc.)
E4	CORE	Maintain Aviators Breathing Oxygen (ABO) systems
E4	CORE	Maintain emergency oxygen equipment
E4	CORE	Maintain gaseous oxygen equipment
E4	CORE	Maintain Liquid Oxygen (LOX) equipment
E4	CORE	Maintain oxygen systems (e.g., concentrators, converters, regulators, etc.)
E4	CORE	Repair Aviators Breathing Oxygen (ABO) systems
E4	CORE	Repair emergency oxygen equipment
E4	CORE	Repair gaseous oxygen equipment
E4	CORE	Repair Liquid Oxygen (LOX) equipment
E4	CORE	Repair oxygen systems (e.g., concentrators, converters, regulators, etc.)
E4	CORE	Replace Aviators Breathing Oxygen (ABO) systems
E4	CORE	Replace emergency oxygen equipment
E4	CORE	Replace gaseous oxygen equipment
E4	CORE	Replace Liquid Oxygen (LOX) equipment
E4	CORE	Replace oxygen systems (e.g., concentrators, converters, regulators, etc.)
E4	CORE	Troubleshoot Aviators Breathing Oxygen (ABO) systems
E4	CORE	Troubleshoot emergency oxygen equipment
E4	CORE	Troubleshoot gaseous oxygen equipment
E4	CORE	Troubleshoot Liquid Oxygen (LOX) equipment
E4	CORE	Troubleshoot oxygen systems (e.g., concentrators, converters, regulators, etc.)

QUALITY ASSURANCE (QA)

Paygrade	Task Type	Task Statements
E5	CORE	Audit Naval Aviation Maintenance Programs (NAMP) (e.g., Aviation Life Support System (ALSS), Aviators Breathing Oxygen (ABO), Egress, etc.)
E5	CORE	Conduct Quality Assurance (QA) inspections
E6	CORE	Consolidate assets from support organizations
E6	CORE	Coordinate Technical Directives (TD) compliance
E6	CORE	Distribute assets to operational organizations
E6	CORE	Inspect Aviation Life Support System (ALSS) programs

QUALITY ASSURANCE (QA) (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Maintain inventory records for Aviation Life Support System (ALSS) parts and stocks
E6	CORE	Manage Aviation Life Support System (ALSS) programs
E6	CORE	Manage breathable compressed air for Aviation Life Support System (ALSS)
E6	CORE	Manage compliance with Technical Directives (TD) program
E6	CORE	Manage support equipment Planned Maintenance System (PMS) programs
E5	CORE	Process inventory records for Aviation Life Support System (ALSS) parts and stocks
E5	CORE	Validate parts' information for accuracy
E4	CORE	Verify Naval Aviation Maintenance Programs (NAMP)
E4	CORE	Verify Naval Aviation Maintenance Programs (NAMP) (e.g., Aviation Life Support System (ALSS), Aviators Breathing Oxygen (ABO), Egress, etc.)
E4	CORE	Verify Technical Directives (TD)

SURVIVAL AND RESCUE GEAR

Paygrade	Task Type	Task Statements
E4	CORE	Inspect aircraft Search and Rescue (SAR) equipment
E4	CORE	Inspect emergency breathing devices
E4	CORE	Inspect flotation equipment (e.g., life preserver, life rafts, etc.)
E4	CORE	Inspect Mobile Refill Stations (MRS III)
E4	CORE	Inspect Search and Rescue (SAR) personal equipment
E4	CORE	Inspect Seat Kit Unit (SKU)
E4	CORE	Inspect survival items (e.g., medical kits, mirrors, sea dye, etc.)
E4	CORE	Inspect survival radios
E4	CORE	Maintain aircraft Search and Rescue (SAR) equipment
E4	CORE	Maintain aircrew survival equipment
E4	CORE	Maintain auxiliary life support equipment
E4	CORE	Maintain emergency breathing devices
E4	CORE	Maintain flotation equipment (e.g., life preserver, life rafts, etc.)
E4	NON-CORE	Maintain parachutists' helmets
E4	CORE	Maintain Search and Rescue (SAR) personnel equipment
E4	CORE	Maintain Seat Kit Unit (SKU)
E4	CORE	Maintain survival items (e.g., medical kits, mirrors, sea dye, etc.)
E4	CORE	Maintain survival radios
E4	CORE	Repair aircraft Search and Rescue (SAR) equipment
E4	CORE	Repair emergency breathing devices
E4	CORE	Repair flotation equipment (e.g., life preserver, life rafts, etc.)
E4	CORE	Repair Mobile Refill Stations (MRS III)
E4	CORE	Repair Search and Rescue (SAR) personal equipment
E4	CORE	Repair Seat Kit Unit (SKU)

SURVIVAL AND RESCUE GEAR (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair survival items (e.g., medical kits, mirrors, sea dye, etc.)
E4	CORE	Repair survival radios
E4	CORE	Replace aircraft Search and Rescue (SAR) equipment
E4	CORE	Replace emergency breathing devices
E4	CORE	Replace flotation equipment (e.g., life preserver, life rafts, etc.)
E4	CORE	Replace Mobile Refill Stations (MRS III)
E4	CORE	Replace Search and Rescue (SAR) personal equipment
E4	CORE	Replace Seat Kit Unit (SKU)
E4	CORE	Replace survival items (e.g., medical kits, mirrors, sea dye, etc.)
E4	CORE	Replace survival radios
E4	CORE	Troubleshoot aircraft Search and Rescue (SAR) equipment
E4	CORE	Troubleshoot emergency breathing devices
E4	CORE	Troubleshoot flotation equipment (e.g., life preserver, life rafts, etc.)
E4	CORE	Troubleshoot Mobile Refill Stations (MRS III)
E4	CORE	Troubleshoot Search and Rescue (SAR) personal equipment
E4	CORE	Troubleshoot Seat Kit Unit (SKU)
E4	CORE	Troubleshoot survival items (e.g., medical kits, mirrors, sea dye, etc.)
E4	CORE	Troubleshoot survival radios

TRAINING

Paygrade	Task Type	Task Statements
E4	CORE	Brief flight crews
E4	NON-CORE	Conduct air operations (e.g., static line parachuting, military free fall, fast rope, rappel, etc.)
E5	CORE	Conduct aircraft-installed life support equipment training
E4	CORE	Conduct aircrew personal survival equipment training
E4	CORE	Conduct Search and Rescue (SAR) equipment training
E4	CORE	Debrief flight crews
E5	NON-CORE	Instruct aircrew survival equipment training
E5	NON-CORE	Instruct survival equipment training

Job Title **Job Code**

Special Operations Parachute Rigger 001705

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	SPECIAL OP PARACHUTE RIGGER	SPEC OP RIGGER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	PR	NEC 773A

Job Description

Special Operations Parachute Riggers work with Naval Special Warfare (NSW) and Explosive Ordnance Disposal (EOD) units throughout the world; inspect, maintain, pack, and use specialized premeditated personnel static-line and free-fall parachute systems; use and maintain specialized aerial delivery and re-supply systems and helicopter insertion and extraction systems unique to NSW and EOD units; function as Parachute Jump (PJ) and Helicopter Rope Suspension Techniques (HRST) masters; perform paraloft management, administrative functions, ordnance handling functions, and Quality Assurance (QA) inspections; and operate and maintain sewing (e.g., adjustments, lubrication, etc.).

DoD Relationship

Group Title	*DoD Code*
Forward Area Equipment Support, General	186000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Quality Control Systems Managers	11-3051.01	Management

Skills	Abilities
Equipment Maintenance	*Multi-limb Coordination*
Repairing	*Wrist-Finger Speed*
Equipment Selection	*Oral Expression*
Management of Material Resources	*Written Comprehension*
Installation	*Speech Clarity*
Instructing	*Visualization*
Management of Financial Resources	*Dynamic Flexibility*
Operation and Control	*Information Ordering*
Reading Comprehension	*Perceptual Speed*
Quality Control Analysis	*Stamina*

AIRCREW PERSONAL PROTECTION GEAR

Paygrade	Task Type	Task Statements
E4	NON-CORE	Inspect parachutists' helmets
E4	NON-CORE	Repair parachutists' helmets
E4	NON-CORE	Replace parachutists' helmets
E4	NON-CORE	Troubleshoot parachutists' helmets

FABRICATION AND MANUFACTURING

Paygrade	Task Type	Task Statements
E4	CORE	Design fabrication patterns
E4	CORE	Inspect fabrication hardware and materials
E4	CORE	Maintain fabrication hardware and materials
E4	NON-CORE	Manufacture products for parachutists
E4	CORE	Manufacture templates for patterns
E4	CORE	Repair fabrication hardware and materials
E4	CORE	Replace fabrication hardware and materials
E4	CORE	Troubleshoot fabrication hardware and materials

GENERAL MAINTENANCE

Paygrade	Task Type	Task Statements
E5	NON-CORE	Derig helicopter insertion and extraction equipment
E5	NON-CORE	Derig special operations platforms
E4	NON-CORE	Inspect air operations equipment
E4	NON-CORE	Inspect cargo parachute systems
E5	NON-CORE	Inspect helicopter insertion and extraction equipment
E4	CORE	Inspect parachute systems
E4	NON-CORE	Inspect Premeditated Personnel Parachuting (P3) assemblies and equipment
E4	NON-CORE	Inspect Premeditated Personnel Parachuting (P3) support equipment
E5	NON-CORE	Inspect special operations platforms
E4	NON-CORE	Maintain air operations equipment (e.g., static line parachutes, fast ropes, etc.)
E4	CORE	Maintain aircraft restraint systems
E4	NON-CORE	Maintain cargo parachute systems
E4	CORE	Maintain parachute systems
E4	NON-CORE	Maintain Premeditated Personnel Parachuting (P3) support equipment
E4	NON-CORE	Repair air operations equipment
E4	NON-CORE	Repair cargo parachute systems
E4	CORE	Repair parachute systems
E4	NON-CORE	Repair Premeditated Personnel Parachuting (P3) assemblies and equipment
E4	NON-CORE	Repair Premeditated Personnel Parachuting (P3) support equipment
E5	NON-CORE	Repair special operations platforms
E4	NON-CORE	Replace air operations equipment
E4	NON-CORE	Replace cargo parachute systems
E5	NON-CORE	Replace helicopter insertion and extraction equipment
E4	CORE	Replace parachute systems
E4	NON-CORE	Replace Premeditated Personnel Parachuting (P3) assemblies and equipment
E4	NON-CORE	Replace Premeditated Personnel Parachuting (P3) support equipment
E5	NON-CORE	Replace special operations platforms
E4	NON-CORE	Replenish Premeditated Personnel Parachuting (P3) parts inventories
E5	NON-CORE	Rig helicopter insertion and extraction equipment
E5	NON-CORE	Rig special operations platforms
E4	NON-CORE	Troubleshoot air operations equipment
E4	NON-CORE	Troubleshoot cargo parachute systems
E4	CORE	Troubleshoot parachute systems
E4	NON-CORE	Troubleshoot Premeditated Personnel Parachuting (P3) assemblies and equipment
E4	NON-CORE	Troubleshoot Premeditated Personnel Parachuting (P3) support equipment

MAINTENANCE ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Inspect Aviation Life Support Equipment (ALSE) maintenance records
E4	NON-CORE	Inspect Premeditated Personnel Parachuting (P3) parts inventories
E4	CORE	Maintain Aviation Life Support Equipment (ALSE) maintenance records
E5	NON-CORE	Maintain Premeditated Personnel Parachuting (P3) parts inventories
E6	NON-CORE	Manage Dive Jump Reporting System (DJRS)
E4	CORE	Update Aviation Life Support Equipment (ALSE) maintenance records
E7	CORE	Validate Aviation Life Support System (ALSS) assets
E5	CORE	Verify equipment status reports

MECHANICAL MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Inspect industrial sewing machines
E4	CORE	Maintain industrial sewing machines
E4	CORE	Repair industrial sewing machines
E4	CORE	Troubleshoot industrial sewing machines

ORDNANCE

Paygrade	Task Type	Task Statements
E5	CORE	Conduct explosive devices training

QUALITY ASSURANCE (QA)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct Premeditated Personnel Parachuting (P3) systems Quality Assurance (QA) training
E5	CORE	Conduct Quality Assurance (QA) inspections
E5	NON-CORE	Conduct tests and evaluations on Premeditated Personnel Parachuting (P3) systems
E6	CORE	Consolidate assets from support organizations
E7	CORE	Develop Aviation Life Support System (ALSS) programs
E6	CORE	Distribute assets to operational organizations
E6	NON-CORE	Ensure compliance of Weight and Balance (W&B) programs
E6	CORE	Inspect Aviation Life Support System (ALSS) programs
E4	NON-CORE	Inspect Premeditated Personnel Parachute (P3)
E6	CORE	Maintain inventory records for Aviation Life Support System (ALSS) parts and stocks
E6	NON-CORE	Manage Naval Special Warfare (NSW) and Explosive Ordnance Disposal (EOD) training programs
E6	CORE	Manage support equipment Planned Maintenance System (PMS) programs
E5	CORE	Process inventory records for Aviation Life Support System (ALSS) parts and stocks
E5	CORE	Validate parts' information for accuracy

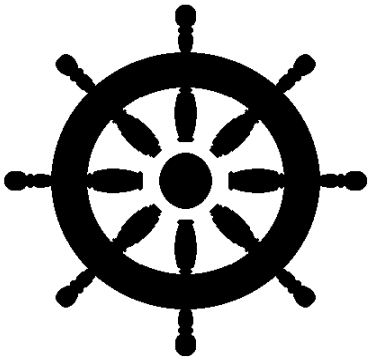
SURVIVAL AND RESCUE GEAR

Paygrade	Task Type	Task Statements
E4	CORE	Inspect flotation equipment (e.g., life preserver, life rafts, etc.)
E4	CORE	Inspect parachute assemblies and equipment
E4	CORE	Maintain flotation equipment (e.g., life preserver, life rafts, etc.)
E4	CORE	Maintain parachute assemblies and equipment
E4	NON-CORE	Maintain parachutists' helmets
E4	NON-CORE	Maintain Premeditated Personnel Parachuting (P3) assemblies and equipment
E4	CORE	Repair flotation equipment (e.g., life preserver, life rafts, etc.)
E4	CORE	Repair parachute assemblies and equipment
E4	CORE	Replace flotation equipment (e.g., life preserver, life rafts, etc.)
E4	CORE	Replace parachute assemblies and equipment
E4	CORE	Troubleshoot flotation equipment (e.g., life preserver, life rafts, etc.)
E4	CORE	Troubleshoot parachute assemblies and equipment

TRAINING

Paygrade	Task Type	Task Statements
E4	CORE	Brief flight crews
E4	NON-CORE	Conduct air operations (e.g., static line parachuting, military free fall, fast rope, rappel, etc.)
E5	CORE	Conduct aircraft-installed life support equipment training
E5	NON-CORE	Conduct parachutists training
E5	NON-CORE	Conduct Premeditated Personnel Parachuting (P3) system training
E5	NON-CORE	Conduct training on aircraft-installed life support equipment (e.g., Helicopter Rope Suspension Technique (HRST), etc.)
E4	CORE	Debrief flight crews

CHAPTER 66



QUARTERMASTER (QM)

NAVPERS 18068F-66H
Change 105

Updated: January 2026

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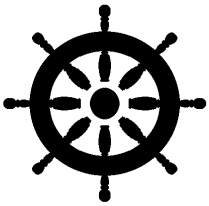
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

QUARTERMASTER (QM)



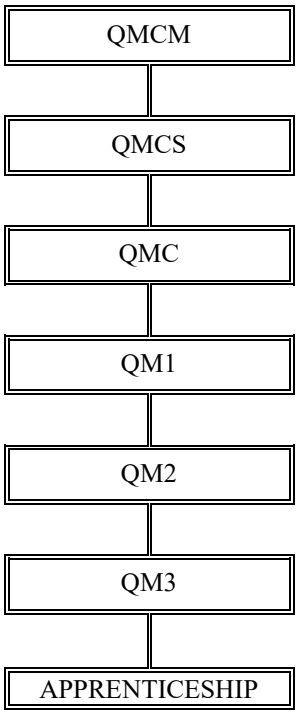
SCOPE OF RATING

Quartermasters (QM)) assist the Officer of the Deck (OOD) and Navigator in all methods of navigation aboard ship, including celestial means, they are responsible for: safe navigation of the ship; adhering to international and inland rules and regulations, maintaining reliable communication with other vessels and shore stations; monitoring and recording the weather; maintaining Electronic Chart Display Information System (ECDIS), publications, charts, navigational instruments, and records for the ship's logs; and rendering honors and ceremonies.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 66.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Navigation Specialist

Job Code

003744

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	NAVIGATION SPECIALIST	NAVIGATN SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	QM	NEC WXXX Series and other NECs as assigned

Job Description

Navigation Specialists stand watch as assistants to the Officer of the Deck (OOD) and are a direct representative of the Navigator; perform ship control, navigation, and bridge watch duties; select charts for voyage planning; determine danger angles and danger bearings; use, update and inventory navigation publications and charts; use international and inland rules and regulations; use basic course-plotting instruments, lead lines, depth sounders, and compasses; maintain the compass book; determine ship's position by celestial observations; identify aids to navigation; serve as weather observers; recognize the significance of dew point, relative humidity, temperature, atmospheric pressure, wind force and direction, cloud formation, and sea state in general weather forecasting; maintain the weather observation sheet; handle plain language radio communications and visual communications; and as experienced Navigation Specialists, supervise bridge personnel.

DoD Relationship

Group Title	*DoD Code*
Navigators	106100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Captains, Mates, and Pilots of Water Vessels	53-5021.00	Transportation and Material Moving

Skills	Abilities
Mathematics	*Deductive Reasoning*
Science	*Mathematical Reasoning*
Complex Problem Solving	*Information Ordering*
Critical Thinking	*Spatial Orientation*
Operation and Control	*Inductive Reasoning*
Judgment and Decision Making	*Problem Sensitivity*
Monitoring	*Written Comprehension*
Coordination	*Finger Dexterity*
Management of Material Resources	*Written Expression*
Active Listening	*Perceptual Speed*

CELESTIAL NAVIGATION

Paygrade	Task Type	Task Statements
E4	CORE	Calculate a fix by advancing celestial lines of position
E4	CORE	Calculate celestial event times (e.g., sunrise, sunset, civil/nautical twilights, etc.)
E4	CORE	Calculate gyro error by Polaris
E4	CORE	Calculate latitude at Local Apparent Noon (LAN)
E4	CORE	Calculate latitude by Polaris
E4	CORE	Calculate time of moonrise/moonset
E4	CORE	Determine a celestial fix using morning or evening stars
E4	CORE	Determine gyro error by amplitude at sunset/sunrise
E4	CORE	Determine gyro error by azimuth
E4	CORE	Plan for morning and evening stars
E6	CORE	Supervise day's work of celestial navigation and Dead Reckoning (DR) in a Global Positioning System (GPS) denied environment

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Perform ship-to-ship and ship-to-shore external voice communications
E4	CORE	Perform ship-to-ship and ship-to-shore visual communications (e.g., flashing lights, flags, morse code, etc.)
E4	CORE	Signal watercraft or boats (i.e., visually and audibly)
E4	CORE	Test internal and external visual and audible communications equipment (e.g., portable ship's whistle, sound powered phones, yard arm blinkers, etc.)
E4	CORE	Verify the completion of internal communications tests (e.g.,1 Main Circuit (1MC), sound power phones, headsets, etc.)

ELECTRONIC SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust radar scope presentation to align with Commanding Officer's (CO) standing orders
E4	CORE	Compare fathometer readings to charted depth
E4	CORE	Configure navigation and task lights
E6	CORE	Demonstrate functionality of helm and lee helm equipment operations
E4	CORE	Detect indications of spoofing/jamming
E4	CORE	Manage non-technical equipment inventory (e.g., flags, day shapes, binoculars, etc.)
E4	CORE	Prepare electronic navigation systems (e.g., navigation plans, charts loaded, applying correct system configuration, etc.)
E4	CORE	Verify ship's position data between sources (e.g., radar, paper, Voyage Management System (VMS), etc.)
E4	CORE	Verify water depth is safe for navigation

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Inventory controlled equipment
E5	CORE	Manage controlled equipment inventories
E4	CORE	Perform preventive maintenance on navigation equipment (e.g., telescopic alidades, signal lights, ship mounted binoculars, etc.)

LOOKOUT AND SIGNALING OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct man overboard procedures (e.g., signal light, raise Oscar flag, weather reports, etc.)
E4	CORE	Conduct sunrise, morning and evening colors
E4	CORE	Correlate lighted aids to navigation on electronic charts
E4	CORE	Maintain halyards, halyard blocks, and tie downs
E4	CORE	Prepare weather observation reports
E4	CORE	Report audible and visual information (e.g., sound signals, lights, navigational alarms, etc.)
E4	CORE	Report contacts (i.e., air and surface)
E4	CORE	Report flags to higher authority (e.g., country flags, signal flags, etc.)

NAVIGATION

Paygrade	Task Type	Task Statements
E4	CORE	Calculate basic maneuvering board solutions (e.g., winds, Closest Point of Approach (CPA), etc.)
E4	CORE	Calculate compensating and correcting courses and speeds
E4	CORE	Calculate danger bearings and ranges
E4	CORE	Calculate relative bearings
E4	CORE	Calculate required Speed Of Advance (SOA)
E4	CORE	Calculate set and drift
E4	CORE	Compare ship's position ahead/behind relative to Plan of Intended Movement (PIM)
E4	CORE	Compute advance and transfer
E4	CORE	Compute anchor chain scopes
E4	CORE	Compute course and speed made good
E4	CORE	Compute Estimated Time of Arrival (ETA)
E4	CORE	Compute expected times of radar landfall
E4	CORE	Compute gyro error
E4	CORE	Compute magnetic compass errors using gyrocompass
E4	CORE	Compute visibility of lights and expected times of sighting
E4	CORE	Compute Zone Time (ZT) using Zone Description (ZD)
E4	CORE	Convert arc to time and time to arc
E4	CORE	Correlate lookout information with radar presentations
E4	CORE	Determine latitude and longitude from plotted positions on navigational charts
E4	CORE	Determine ship's position (e.g., electronic, visual, radar, etc.)
E4	CORE	Determine tides and currents
E4	CORE	Determine variation on charts
E4	CORE	Graph tides and currents
E4	CORE	Identify type of ocean bottom
E4	CORE	Incorporate lookout information with navigation plot
E4	CORE	Measure distances on navigational charts
E4	CORE	Navigate ship during reduced visibility (e.g., fog, sandstorms, rain, etc.)
E4	CORE	Observe helmsman and lee helmsman for compliance with orders given from Commanding Officer
E4	CORE	Obtain visual bearings using alidades
E5	CORE	Plan anchorage areas
E4	CORE	Prepare bridge for special evolutions
E4	CORE	Prepare Movement Reports (MOVREP)
E4	CORE	Prepare navigational charts
E4	CORE	Prepare restricted water transits
E7	NON-CORE	Recommend restricted water transits
E5	CORE	Recommend transit plans to higher authority

NAVIGATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Report aids to navigation
E4	CORE	Report Navigation Rules and Regulations signals (e.g., task lights, day shapes, sound signals, etc.)
E4	CORE	Shift navigation control to secondary location
E4	NON-CORE	Steer ship using aft steering
E4	CORE	Submit weather observation reports to Joint Observations Submissions (J-OBS) or message traffic
E6	CORE	Verify Dead Reckoning (DR) tracks on a universal plotting sheet in a Global Positioning System (GPS) denied environment
E5	NON-CORE	Verify Movement Reports (MOVREP)
E6	CORE	Verify restricted water transits
E4	CORE	Verify ship's position data in the Combat Information Center (CIC)

PLOTTING

Paygrade	Task Type	Task Statements
E4	CORE	Plot advance and transfer
E4	CORE	Plot anchorage area
E4	CORE	Plot danger bearings and ranges
E4	CORE	Plot Dead Reckoning (DR) tracks on a universal plotting sheet in a Global Positioning System (GPS) denied environment
E4	CORE	Plot distress signals, bearings, and ranges
E4	CORE	Plot great circle sailing routes
E4	CORE	Plot man overboard positions
E4	CORE	Plot mine danger information
E4	CORE	Plot navigation hazards
E4	CORE	Plot navigation points
E4	CORE	Plot pickup and drop-off points
E4	CORE	Plot Plan of Intended Movement (PIM) tracks
E4	CORE	Plot relative bearings
E4	CORE	Plot ship's position during navigation detail
E4	CORE	Plot ship's position using visual bearings
E4	CORE	Plot surface contact information
E4	CORE	Plot swept channels
E4	CORE	Plot weather message information

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Collect information from Naval and navigation publications, technical briefs, notices, and bulletins
E4	CORE	Correct navigational charts (i.e., paper and electronic)
E4	CORE	Maintain administrative records (e.g., deck logs, position logs, bearing books, etc.)

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain chart and publication inventories
E4	CORE	Prepare navigation briefs

Job Title **Job Code**

Navigation Administrator 003743

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	NAVIGATION ADMINISTRATOR	NAVIGATN ADMIN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	QM	NEC WXXX Series and other NECs as assigned

Job Description

Navigation Administrators provide navigation expertise to shipboard personnel; serve as advisors by providing actionable navigation recommendations under all navigational conditions and during special evolutions In Accordance With (IAW) Fleet directives; use charted visual aids to navigation, tides, and current data; select, use and correct nautical charts; maintain chart allowance inventories; prepare weather observation messages; maintain and review equipment and navigation logs; extract and record maintenance data from appropriate navigation publications; prepare weekly and quarterly schedules of preventive maintenance; ensure maintenance schedules are implemented; coordinate shipboard honors and ceremonies; and execute sunrise, morning, and evening colors.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Navigators	106100	Captains, Mates, and Pilots of Water Vessels	53-5021.00	Transportation and Material Moving

Skills	Abilities
Mathematics	*Deductive Reasoning*
Complex Problem Solving	*Mathematical Reasoning*
Science	*Information Ordering*
Critical Thinking	*Spatial Orientation*
Judgment and Decision Making	*Inductive Reasoning*
Monitoring	*Written Comprehension*
Operation and Control	*Written Expression*
Coordination	*Problem Sensitivity*
Management of Material Resources	*Finger Dexterity*
Reading Comprehension	*Perceptual Speed*

CELESTIAL NAVIGATION

Paygrade	Task Type	Task Statements
E4	CORE	Calculate a fix by advancing celestial lines of position
E4	CORE	Calculate celestial event times (e.g., sunrise, sunset, civil/nautical twilights, etc.)
E4	CORE	Calculate gyro error by Polaris
E4	CORE	Calculate latitude at Local Apparent Noon (LAN)
E4	CORE	Calculate latitude by Polaris
E4	CORE	Calculate time of moonrise/moonset
E4	CORE	Determine a celestial fix using morning or evening stars
E4	CORE	Determine gyro error by amplitude at sunset/sunrise
E4	CORE	Determine gyro error by azimuth
E4	CORE	Plan for morning and evening stars

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Perform ship-to-ship and ship-to-shore external voice communications
E4	CORE	Perform ship-to-ship and ship-to-shore visual communications (e.g., flashing lights, flags, morse code, etc.)
E4	CORE	Signal watercraft or boats (i.e., visually and audibly)

COMMUNICATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Verify the completion of internal communications tests (e.g.,1 Main Circuit (1MC), sound power phones, headsets, etc.)

ELECTRONIC SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust radar scope presentation to align with Commanding Officer's (CO) standing orders
E5	CORE	Archive electronic navigation data
E4	CORE	Compare fathometer readings to charted depth
E4	CORE	Configure navigation and task lights
E4	CORE	Detect indications of spoofing/jamming
E4	CORE	Manage non-technical equipment inventory (e.g., flags, day shapes, binoculars, etc.)
E4	CORE	Prepare electronic navigation systems (e.g., navigation plans, charts loaded, applying correct system configuration, etc.)
E4	CORE	Verify ship's position data between sources (e.g., radar, paper, Voyage Management System (VMS), etc.)
E4	CORE	Verify water depth is safe for navigation

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Coordinate with other entities for corrective maintenance on navigation equipment (e.g., telescopic alidades, signal lights, ship mounted binoculars, etc.)
E5	CORE	Coordinate with other entities to troubleshoot internal and external visual and audible communications equipment (e.g., portable ship's whistle, sound powered phones, yard arm blinkers, etc.)
E4	CORE	Inventory controlled equipment
E5	CORE	Manage controlled equipment inventories
E4	CORE	Perform preventive maintenance on navigation equipment (e.g., telescopic alidades, signal lights, ship mounted binoculars, etc.)

LOOKOUT AND SIGNALING OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct man overboard procedures (e.g., signal light, raise Oscar flag, weather reports, etc.)
E4	CORE	Conduct sunrise, morning and evening colors
E6	CORE	Coordinate shipboard honors and ceremonies (e.g., up and overs, passing honors, dress ship, etc.)
E4	CORE	Correlate lighted aids to navigation on electronic charts
E4	CORE	Maintain halyards, halyard blocks, and tie downs
E4	CORE	Prepare weather observation reports
E4	CORE	Report audible and visual information (e.g., sound signals, lights, navigational alarms, etc.)
E4	CORE	Report contacts (i.e., air and surface)

LOOKOUT AND SIGNALING OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Report flags to higher authority (e.g., country flags, signal flags, etc.)
E7	CORE	Supervise procedural compliance of shipboard honors and ceremonies (e.g., up and overs, passing honors, dress ship, etc.)
E6	CORE	Support lookout training program (e.g., Rules of the Road (ROR) training and examinations, regular and low visibility lookout training, etc.)

NAVIGATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Calculate advanced maneuvering board solutions (e.g., station changes, avoidance courses, etc.)
E4	CORE	Calculate basic maneuvering board solutions (e.g., winds, Closest Point of Approach (CPA), etc.)
E4	CORE	Calculate compensating and correcting courses and speeds
E4	CORE	Calculate danger bearings and ranges
E4	CORE	Calculate relative bearings
E4	CORE	Calculate required Speed Of Advance (SOA)
E4	CORE	Calculate set and drift
E4	CORE	Compare ship's position ahead/behind relative to Plan of Intended Movement (PIM)
E4	CORE	Compute advance and transfer
E4	CORE	Compute anchor chain scopes
E4	CORE	Compute course and speed made good
E4	CORE	Compute Estimated Time of Arrival (ETA)
E4	CORE	Compute expected times of radar landfall
E4	CORE	Compute gyro error
E4	CORE	Compute magnetic compass errors using gyrocompass
E4	CORE	Compute visibility of lights and expected times of sighting
E4	CORE	Compute Zone Time (ZT) using Zone Description (ZD)
E4	CORE	Convert arc to time and time to arc
E4	CORE	Correlate lookout information with radar presentations
E4	CORE	Determine latitude and longitude from plotted positions on navigational charts
E4	CORE	Determine ship's position (e.g., electronic, visual, radar, etc.)
E4	CORE	Determine tides and currents
E4	CORE	Determine variation on charts
E4	CORE	Graph tides and currents
E4	CORE	Identify type of ocean bottom
E4	CORE	Incorporate lookout information with navigation plot
E4	CORE	Measure distances on navigational charts
E4	CORE	Navigate ship during reduced visibility (e.g., fog, sandstorms, rain, etc.)
E4	CORE	Observe helmsman and lee helmsman for compliance with orders given from Commanding Officer

NAVIGATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Plan anchorage areas
E4	CORE	Prepare bridge for special evolutions
E4	CORE	Prepare Movement Reports (MOVREP)
E4	CORE	Prepare navigational charts
E4	CORE	Prepare position reports
E4	CORE	Prepare restricted water transits
E7	NON-CORE	Recommend Movement Reports
E7	NON-CORE	Recommend restricted water transits
E5	CORE	Recommend transit plans to higher authority
E4	CORE	Report aids to navigation
E4	CORE	Report Navigation Rules and Regulations signals (e.g., task lights, day shapes, sound signals, etc.)
E6	CORE	Review navigation briefs for accuracy and currency (e.g., tides and currents, pilots pick up points, arrival times, etc.)
E4	CORE	Shift navigation control to secondary location
E4	NON-CORE	Steer ship using aft steering
E4	CORE	Submit weather observation reports to Joint Observations Submissions (J-OBS) or message traffic
E6	CORE	Supervise shift of navigation control from bridge to secondary location
E7	CORE	Validate day's work of celestial navigation and Dead Reckoning (DR) for accuracy
E7	CORE	Validate day's work of celestial navigation and Dead Reckoning (DR) in a Global Positioning System (GPS) denied environment for accuracy
E7	CORE	Validate Dead Reckoning (DR) tracks on a universal plotting sheet in a Global Positioning System (GPS) denied environment for accuracy
E6	CORE	Validate navigational charts
E6	CORE	Verify Dead Reckoning (DR) tracks on a universal plotting sheet in a Global Positioning System (GPS) denied environment
E5	NON-CORE	Verify Movement Reports (MOVREP)
E7	CORE	Verify navigation briefs for accuracy and currency (e.g., tides and currents, pilots pick up points, arrival times, etc.)
E6	CORE	Verify position reports for submission
E6	CORE	Verify restricted water transits
E4	CORE	Verify ship's position data in the Combat Information Center (CIC)

PLOTTING

Paygrade	Task Type	Task Statements
E4	CORE	Plot advance and transfer
E4	CORE	Plot anchorage area
E4	CORE	Plot danger bearings and ranges
E4	CORE	Plot Dead Reckoning (DR) tracks on a universal plotting sheet in a Global Positioning System (GPS) denied environment

PLOTTING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Plot distress signals, bearings, and ranges
E4	CORE	Plot great circle sailing routes
E4	CORE	Plot man overboard positions
E4	CORE	Plot mine danger information
E4	CORE	Plot navigation hazards
E4	CORE	Plot navigation points
E4	CORE	Plot pickup and drop-off points
E4	CORE	Plot Plan of Intended Movement (PIM) tracks
E4	CORE	Plot relative bearings
E4	CORE	Plot ship's position during navigation detail
E4	CORE	Plot ship's position using visual bearings
E4	CORE	Plot surface contact information
E4	CORE	Plot swept channels
E4	CORE	Plot weather message information

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Analyze environmental hazards utilizing Protective Measures Assessment Protocol (PMAP) program
E4	CORE	Collect information from Naval and navigation publications, technical briefs, notices, and bulletins
E4	CORE	Correct navigational charts (i.e., paper and electronic)
E4	CORE	Maintain administrative records (e.g., deck logs, position logs, bearing books, etc.)
E4	CORE	Maintain chart and publication inventories
E5	NON-CORE	Manage administrative programs (e.g., maintenance management systems, Relational Administrative Data Management (RADM), etc.)
E5	CORE	Manage administrative records (e.g., deck logs, position logs, bearing books, etc.)
E4	CORE	Prepare navigation briefs
E5	CORE	Verify navigational charts

Job Title

Navigation Manager

Job Code

003745

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	NAVIGATION MANAGER	NAVIGATN MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	QM	NEC WXXX Series and other NECs as assigned

Job Description

Navigation Managers provide navigation and piloting expertise to bridge personnel; manage navigation certification processes; serve as advisors by providing actionable navigation recommendations under all navigational conditions In Accordance With (IAW) Fleet directives; conduct navigation briefs; select and use appropriate nautical charts; select anchorages; utilize appropriate electronic navigation systems; validate day's work of celestial navigation; oversee voyage planning; plan emergency drills; train and evaluate personnel in the Navigation department.

DoD Relationship

Group Title	*DoD Code*
Navigators	106100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Captains, Mates, and Pilots of Water Vessels	53-5021.00	Transportation and Material Moving

Skills	Abilities
Complex Problem Solving	*Deductive Reasoning*
Mathematics	*Information Ordering*
Monitoring	*Written Comprehension*
Judgment and Decision Making	*Inductive Reasoning*
Coordination	*Problem Sensitivity*
Critical Thinking	*Written Expression*
Management of Material Resources	*Mathematical Reasoning*
Operation and Control	*Spatial Orientation*
Quality Control Analysis	*Perceptual Speed*
Speaking	*Time Sharing*

CELESTIAL NAVIGATION

Paygrade	Task Type	Task Statements
E6	CORE	Supervise day's work of celestial navigation and Dead Reckoning (DR) in a Global Positioning System (GPS) denied environment

COMMUNICATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Perform ship-to-ship and ship-to-shore external voice communications
E4	CORE	Perform ship-to-ship and ship-to-shore visual communications (e.g., flashing lights, flags, morse code, etc.)
E4	CORE	Signal watercraft or boats (i.e., visually and audibly)

ELECTRONIC SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust radar scope presentation to align with Commanding Officer's (CO) standing orders
E5	CORE	Archive electronic navigation data
E6	CORE	Demonstrate functionality of helm and lee helm equipment operations
E4	CORE	Detect indications of spoofing/jamming
E4	CORE	Manage non-technical equipment inventory (e.g., flags, day shapes, binoculars, etc.)
E4	CORE	Prepare electronic navigation systems (e.g., navigation plans, charts loaded, applying correct system configuration, etc.)

ELECTRONIC SYSTEMS OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Verify ship's position data between sources (e.g., radar, paper, Voyage Management System (VMS), etc.)
E4	CORE	Verify water depth is safe for navigation

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Coordinate with other entities for corrective maintenance on navigation equipment (e.g., telescopic alidades, signal lights, ship mounted binoculars, etc.)
E5	CORE	Coordinate with other entities to troubleshoot internal and external visual and audible communications equipment (e.g., portable ship's whistle, sound powered phones, yard arm blinkers, etc.)
E5	CORE	Manage controlled equipment inventories
E6	CORE	Manage equipment certifications and recertifications (e.g., benchmarks, Voyage Management System (VMS), Navigation Certifications (NAVCERT), etc.)
E6	NON-CORE	Verify equipment installation, testing, and alterations

LOOKOUT AND SIGNALING OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct man overboard procedures (e.g., signal light, raise Oscar flag, weather reports, etc.)
E6	CORE	Coordinate shipboard honors and ceremonies (e.g., up and overs, passing honors, dress ship, etc.)
E7	CORE	Supervise procedural compliance of shipboard honors and ceremonies (e.g., up and overs, passing honors, dress ship, etc.)
E6	CORE	Support lookout training program (e.g., Rules of the Road (ROR) training and examinations, regular and low visibility lookout training, etc.)

NAVIGATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Calculate advanced maneuvering board solutions (e.g., station changes, avoidance courses, etc.)
E4	CORE	Calculate basic maneuvering board solutions (e.g., winds, Closest Point of Approach (CPA), etc.)
E4	CORE	Calculate compensating and correcting courses and speeds
E4	CORE	Calculate required Speed Of Advance (SOA)
E4	CORE	Compare ship's position ahead/behind relative to Plan of Intended Movement (PIM)
E4	CORE	Incorporate lookout information with navigation plot
E4	CORE	Navigate ship during reduced visibility (e.g., fog, sandstorms, rain, etc.)
E4	CORE	Observe helmsman and lee helmsman for compliance with orders given from Commanding Officer
E5	CORE	Plan anchorage areas
E4	CORE	Prepare Movement Reports (MOVREP)
E4	CORE	Prepare position reports
E7	NON-CORE	Recommend Movement Reports

NAVIGATION (CONT'D)

Paygrade	Task Type	Task Statements
E7	NON-CORE	Recommend restricted water transits
E5	CORE	Recommend transit plans to higher authority
E6	CORE	Review navigation briefs for accuracy and currency (e.g., tides and currents, pilots pick up points, arrival times, etc.)
E4	CORE	Submit weather observation reports to Joint Observations Submissions (J-OBS) or message traffic
E6	CORE	Supervise bridge team during special evolutions (e.g., Underway Replenishments (UNREP), sea and anchor details, navigation details, etc.)
E6	CORE	Supervise shift of navigation control from bridge to secondary location
E7	CORE	Validate day's work of celestial navigation and Dead Reckoning (DR) for accuracy
E7	CORE	Validate day's work of celestial navigation and Dead Reckoning (DR) in a Global Positioning System (GPS) denied environment for accuracy
E7	CORE	Validate Dead Reckoning (DR) tracks on a universal plotting sheet in a Global Positioning System (GPS) denied environment for accuracy
E6	CORE	Validate navigational charts
E6	CORE	Verify Dead Reckoning (DR) tracks on a universal plotting sheet in a Global Positioning System (GPS) denied environment
E5	NON-CORE	Verify Movement Reports (MOVREP)
E7	CORE	Verify navigation briefs for accuracy and currency (e.g., tides and currents, pilots pick up points, arrival times, etc.)
E6	CORE	Verify position reports for submission
E6	CORE	Verify restricted water transits
E4	CORE	Verify ship's position data in the Combat Information Center (CIC)

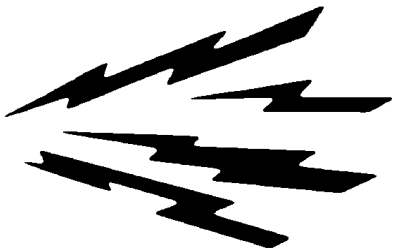
PLOTTING

Paygrade	Task Type	Task Statements
E4	CORE	Plot ship's position during navigation detail

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Analyze environmental hazards utilizing Protective Measures Assessment Protocol (PMAP) program
E4	CORE	Collect information from Naval and navigation publications, technical briefs, notices, and bulletins
E5	NON-CORE	Manage administrative programs (e.g., maintenance management systems, Relational Administrative Data Management (RADM), etc.)
E5	CORE	Manage administrative records (e.g., deck logs, position logs, bearing books, etc.)
E6	CORE	Manage chart and publication allowances
E4	CORE	Prepare navigation briefs
E5	CORE	Verify navigational charts

CHAPTER 67



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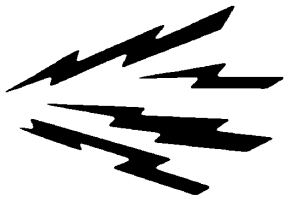
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

INFORMATION SYSTEMS TECHNICIAN (IT)



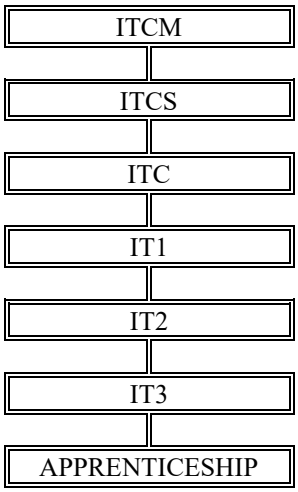
SCOPE OF RATING

Information Systems Technicians (IT) perform the following core and specialty functions: Information Systems (IS) Administration (i.e., build, configure, deploy, operate, maintain networks and information systems and perform tiered customer service support); Cybersecurity (i.e., plan, manage, secure, implement security controls to protect and defend networks to include IS across platforms, fleets, and services); Communications Operations (i.e., establish, monitor, and maintain Radio Frequency (RF) communications systems, perform spectrum management to support Joint, Fleet, and tactical communications and handle, store, transmit, and retrieve Naval messages); Communications Security (COMSEC) (i.e., secure, handle, account for, report, and control COMSEC materials, systems, and equipment).

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 67.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Technical Support Specialist 002776

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	IT TECH SPECIALIST	IT TECH SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IT	NEC HXXX, UXXX, 7XXX series and other NECs as assigned

Job Description

Technical Support Specialists provide end user tiered-level customer support by coordinating software, hardware, and network installations, configurations, and troubleshooting; perform maintenance; conduct training; and perform messaging, system monitoring, fault isolation, and circuit restoration of communications.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
ADP Computers, General	115000	Computer User Support Specialists	15-1232.00	Computer and Mathematical

Skills	Abilities
Operation and Control	*Deductive Reasoning*
Management of Material Resources	*Information Ordering*
Systems Analysis	*Problem Sensitivity*
Critical Thinking	*Written Comprehension*
Technology Design	*Inductive Reasoning*
Troubleshooting	*Visualization*
Complex Problem Solving	*Written Expression*
Systems Evaluation	*Oral Expression*
Quality Control Analysis	*Selective Attention*
Repairing	*Oral Comprehension*

COMMUNICATIONS SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Conduct Emergency Action Plans (EAP)
E4	CORE	Destroy Communication Security (COMSEC) material
E4	CORE	Handle Communications Security (COMSEC) material
E4	CORE	Identify Communications Security (COMSEC) discrepancies
E6	CORE	Implement Communications Security (COMSEC) changes
E4	NON-CORE	Initialize Key Management Infrastructure (KMI) devices (e.g., fill devices, Inline Network Encryption (INE), bulk encryption, etc.)
E4	CORE	Inspect security containers
E4	NON-CORE	Issue Public Key Infrastructure (PKI) token
E4	CORE	Load Communications Security (COMSEC) equipment
E4	NON-CORE	Maintain Certificate Revocation List (CRL)
E4	CORE	Maintain Crypto Ignition Keys (CIK)
E4	CORE	Maintain cryptographic equipment
E4	CORE	Maintain physical security of Sensitive Compartmented Information (SCI) of Information Systems (IS)
E4	CORE	Perform inventory of Communications Security (COMSEC) materials
E5	CORE	Prepare local element Communication Security (COMSEC) reports
E4	CORE	Process Communications Security (COMSEC) changes
E4	CORE	Receive Communications Security (COMSEC) material
E4	CORE	Set up cryptographic equipment
E4	CORE	Set up cryptographic networks
E5	CORE	Transfer custody of Communications Security (COMSEC) material

COMMUNICATIONS SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Validate Communications Security (COMSEC) material
E4	CORE	Verify cryptographic equipment settings

COMMUNICATIONS SYSTEMS AND RADIO FREQUENCY OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Complete communication certification checklists
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E4	CORE	Configure message processing systems
E5	CORE	Configure portable communications systems
E4	CORE	Configure Radio Frequency (RF) systems (e.g., High Frequency (HF), Very High Frequency (VHF), Ultra High Frequency (UHF), Super High Frequency (SHF), Extremely High Frequency (EHF), etc.)
E4	NON-CORE	Configure switching equipment (e.g., Automated Single Audio System (ASAS), Automated Network Control Center (ANCC), Tactical Variant Switch (TVS), etc.)
E4	NON-CORE	Configure tactical waveforms (e.g., Low Probability of Exploitation (LPE), High Performance Waveform (HPW), etc.)
E4	NON-CORE	Configure test equipment (e.g., Spectrum Analyzer, Oscilloscope, Firebird, etc.)
E4	CORE	Connect data links
E7	NON-CORE	Coordinate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E5	CORE	Coordinate with off-site technical support (e.g., restoral, installs, parts, etc.)
E5	CORE	Deploy Tactical Radio Frequency (RF) systems (e.g., field expedient Tactical Communications Satellite (TACSAT), etc.)
E4	CORE	Disconnect data links
E4	CORE	Download Naval messages via automated systems
E4	CORE	Draft Communications Spot Reports (COMSPOT)
E5	CORE	Establish services with communications center
E5	NON-CORE	Establish unit and command certificates
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E5	CORE	Implement communication restoral priorities
E5	CORE	Implement Communications Plans (COMMPLAN)
E5	CORE	Implement non-repudiation controls
E4	NON-CORE	Install certificates (e.g., security, system, etc.)
E5	CORE	Install Tactical Command and Control (C2) systems (e.g., airborne, vehicle, etc.)
E5	CORE	Integrate portable communications systems
E5	CORE	Investigate loss of Facilities Control (FACCON)
E4	CORE	Load image software
E4	CORE	Maintain antenna systems
E4	CORE	Maintain communication publications
E5	CORE	Maintain communication reports (e.g., Master Station Log, Communications Spot Report (COMSPOT), Command, Control, Communications, Computers, and Intelligence (C4I), etc.)

COMMUNICATIONS SYSTEMS AND RADIO FREQUENCY OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain communications archives
E5	CORE	Maintain communications status boards
E4	CORE	Maintain general message files
E4	CORE	Maintain local media and technical libraries
E5	CORE	Maintain portable communications systems
E5	CORE	Maintain Radio Frequency (RF) systems (e.g., High Frequency (HF), Very High Frequency (VHF), Ultra High Frequency (UHF), Super High Frequency (SHF), Extremely High Frequency (EHF), etc.)
E4	CORE	Maintain terminal processors (e.g., Naval Modular Automated Communications System (NAVMACS), etc.)
E5	CORE	Manage messaging systems
E4	CORE	Monitor message queues (e.g., activity, backlog, etc.)
E4	CORE	Monitor messaging systems (e.g., system performance, special handling, message traffic flow, etc.)
E4	CORE	Perform communications checks
E5	CORE	Perform communications shifts
E4	CORE	Perform End of Mission Sanitizations (EOMS)
E4	CORE	Perform minimize condition procedures
E4	NON-CORE	Perform Over-The-Air-Rekey (OTAR)
E4	NON-CORE	Perform Over-The-Air-Transmission (OTAT)
E4	CORE	Prepare message system status reports
E4	CORE	Process messages (e.g., special handling, American Red Cross (AMCROSS), Situation Reports (SITREP), etc.)
E4	NON-CORE	Provide Radio over Internet Protocol (RoIP) connectivity
E5	CORE	Respond to Communications Spot Reports (COMSPOT)
E5	CORE	Restore loss of Facilities Control (FACCON)
E4	CORE	Sanitize communication centers
E4	CORE	Set Emission Control (EMCON) conditions
E4	CORE	Set Hazards of Electromagnetic Radiation (e.g., Hazards of Electromagnetic Radiation to Ordnance (HERO)/Hazards of Electromagnetic Radiation to Personnel (HERP) conditions, etc.)
E4	NON-CORE	Troubleshoot data links
E4	CORE	Update communication logs
E5	CORE	Validate Naval message formatting
E6	CORE	Validate unit and command certificates
E6	CORE	Verify currency of communications guidance (e.g., Operations Order (OPORD), Signature Control (SIGCON), etc.)
E4	CORE	Verify end to end circuit diagrams

DEPARTMENT OF DEFENSE INFORMATION NETWORK (DODIN) CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Determine patterns of non-compliance (e.g., risk levels, Cyber Security program effectiveness, etc.)
E6	CORE	Enforce procedures, guidelines and cybersecurity policies
E4	CORE	Identify Information Systems Security (ISS) violations and vulnerabilities
E4	CORE	Identify security issues (e.g., protection, aggregation, inter-connectivity, etc.)
E4	NON-CORE	Implement Information Assurance Vulnerability Alerts (IAVA)
E4	NON-CORE	Implement Information Assurance Vulnerability Bulletins (IAVB)
E4	CORE	Maintain Information System (IS) antivirus definitions
E5	CORE	Maintain Information Systems (IS) logs
E5	CORE	Perform security actions
E4	NON-CORE	Provide technical support to resolve cyber incidents
E5	CORE	Report Information Systems Security (ISS) incidents
E5	CORE	Test Information Systems (IS)
E5	CORE	Validate migration/installation computer software

NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer cloud services
E4	NON-CORE	Administer Information System (IS) accounts
E4	CORE	Administer network system databases
E7	NON-CORE	Advise senior management (e.g., Chief Information Officer (CIO) on cost/benefit analysis of information security programs, policies, processes, systems, and elements, etc.)
E5	CORE	Conduct computer software migration
E5	CORE	Conduct Information Systems (IS) Testing and Evaluation (T&E)
E4	CORE	Configure computer application software
E4	NON-CORE	Configure network hardware
E5	CORE	Configure network services
E4	CORE	Configure peripherals
E4	CORE	Configure router and switching devices
E4	CORE	Configure virtual environments
E4	CORE	Configure workstation core components
E4	CORE	Configure workstation network connectivity
E4	CORE	Configure workstation Operating System (OS) software
E5	CORE	Coordinate the scheduling of backups
E5	CORE	Develop Information System (IS) Standard Operating Procedures (SOP)
E4	CORE	Document Information System (IS) errors
E4	CORE	Document network outages
E4	CORE	Document off-site technical support actions
E4	CORE	Document server outages
E7	NON-CORE	Evaluate cost-benefit, economic, and risk analysis for Information Systems (IS) in decision-making process
E4	CORE	Identify Information Systems (IS) anomalies

NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Implement remediation plans for identified vulnerabilities
E5	CORE	Implement River City conditions on Information Systems (IS)
E4	NON-CORE	Initialize network servers
E4	CORE	Inspect Information Systems (IS) (e.g., network components, system hardware, etc.)
E4	CORE	Install Information Systems (IS) hardware components
E5	CORE	Integrate embarkable Information Systems (IS) (e.g., squadron, Immediate Superior in Command (ISIC), Staff, lettered Agencies, Marines, etc.)
E4	CORE	Isolate infected systems
E5	CORE	Maintain cross-domain solutions (e.g., Radiant Mercury, NOVA, etc.)
E5	CORE	Maintain Information System (IS) servers (e.g., connectivity, updating, modifying, etc.)
E7	CORE	Maintain Information Systems (IS) (e.g., Program of Record (POR), authorized, system backups, etc.)
E4	CORE	Maintain network cabling
E6	NON-CORE	Maintain network documentation (e.g., System Operational Verification Testing (SOVT), Interactive Electronic Technical Manual (IETM), Hosted Application and Connected Systems Implementation Manual (HACSIM), etc.)
E4	CORE	Maintain network printers
E4	CORE	Maintain network system databases
E5	CORE	Maintain network topologies
E5	CORE	Maintain software application scripts
E5	CORE	Maintain system certificates and licenses
E5	CORE	Manage collaboration software (e.g., Secure Video Teleconference (SVTC), Video Teleconference (VTC), TEAMS, Global Video Services (GVS), etc.)
E4	CORE	Manage file and folder access
E5	CORE	Manage Information System (IS) queues
E5	CORE	Manage Information System (IS) servers (e.g., settings, sites, applications, etc.)
E5	CORE	Manage network monitoring software performance
E5	NON-CORE	Manage networking solutions (e.g., Afloat Forward Staging Base (AFSB), Commercial Solutions for Classified Program (CSfC), etc.)
E7	NON-CORE	Manage system life-cycle plans
E4	CORE	Monitor network equipment status (e.g., overheating, connectivity, usability, etc.)
E4	CORE	Monitor routing and switching devices
E4	CORE	Patch Information Systems (IS)
E4	CORE	Perform data transfers
E4	CORE	Perform disk administration
E4	CORE	Perform file system maintenance
E4	CORE	Perform File Transfer Protocol (FTP) functions
E4	NON-CORE	Perform Information Systems (IS) backups
E4	CORE	Perform Information Systems (IS) equipment and media disposition requirements (e.g., destruction, disposal, transfer, etc.)
E4	CORE	Perform inventory of Information System (IS) assets
E4	CORE	Perform start-up/shut down procedures

NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Perform trend analysis (e.g., hardware, software, network, etc.)
E5	CORE	Prepare network status reports
E4	CORE	Process customer trouble calls
E7	CORE	Provide Information Systems (IS) incident details to external organizations (e.g., law enforcement personnel, Inspector General (IG), higher authority, etc.)
E4	NON-CORE	Restore computer Information Systems (IS)
E4	NON-CORE	Restore from backups (e.g., server, switches, routers, databases, etc.)
E4	CORE	Scan for viruses
E4	CORE	Troubleshoot client Operating Systems (OS)
E5	CORE	Troubleshoot end-to-end communications
E4	CORE	Troubleshoot file and folder access problems
E4	CORE	Troubleshoot network hardware
E4	CORE	Troubleshoot peripherals
E4	NON-CORE	Troubleshoot router and switching devices
E5	CORE	Troubleshoot server Operating Systems (OS)
E5	CORE	Troubleshoot storage devices
E4	NON-CORE	Troubleshoot virtual environments
E5	CORE	Troubleshoot Wide Area Networks (WAN) connections
E4	CORE	Troubleshoot workstation network connectivity
E4	CORE	Troubleshoot workstations
E6	CORE	Validate inventory of Information System (IS) assets
E7	CORE	Validate network operating procedures
E4	CORE	Verify backups
E7	CORE	Verify Information Systems (IS) equipment and media disposition requirements (e.g., destruction, disposal, transfer, etc.)
E4	NON-CORE	Verify network system operations

Job Title

System Administrator

Job Code

002777

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	SYSTEM ADMINISTRATOR	SYS ADMIN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IT	NEC HXXX, UXXX, 7XXX series and other NECs as assigned

Job Description

System Administrators manage and secure commercial and government network Operating Systems (OS) and cloud-based services within the functional areas of configuration, systems, and performance management; manage and maintain internal site networks, conduct tier-level network software and hardware corrective actions; demonstrate knowledge of and apply general security concepts; identify potential risks, monitor activity; secure network environments; and enforce security policies and procedures.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
ADP Computers, General	115000	Network and Computer Systems Administrators	15-1244.00	Computer and Mathematical

Skills	Abilities
Operation and Control	*Deductive Reasoning*
Management of Material Resources	*Information Ordering*
Critical Thinking	*Problem Sensitivity*
Technology Design	*Inductive Reasoning*
Systems Analysis	*Visualization*
Complex Problem Solving	*Written Comprehension*
Troubleshooting	*Written Expression*
Writing	*Oral Expression*
Systems Evaluation	*Selective Attention*
Quality Control Analysis	*Speed of Closure*

COMMUNICATIONS SECURITY

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer client platform securities
E4	CORE	Conduct Emergency Action Plans (EAP)
E4	CORE	Destroy Communication Security (COMSEC) material
E6	CORE	Develop Emergency Action Plans (EAP)
E4	CORE	Handle Communications Security (COMSEC) material
E4	CORE	Identify Communications Security (COMSEC) discrepancies
E6	CORE	Implement Communications Security (COMSEC) changes
E4	CORE	Inspect security containers
E4	CORE	Load Communications Security (COMSEC) equipment
E4	CORE	Maintain Crypto Ignition Keys (CIK)
E4	CORE	Maintain cryptographic equipment
E4	CORE	Maintain physical security of Sensitive Compartmented Information (SCI) of Information Systems (IS)
E4	CORE	Perform inventory of Communications Security (COMSEC) materials
E5	CORE	Prepare local element Communication Security (COMSEC) reports
E4	CORE	Process Communications Security (COMSEC) changes
E4	CORE	Receive Communications Security (COMSEC) material
E4	CORE	Set up cryptographic equipment
E4	CORE	Set up cryptographic networks
E5	CORE	Transfer custody of Communications Security (COMSEC) material

COMMUNICATIONS SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Validate Communications Security (COMSEC) material
E4	CORE	Verify cryptographic equipment settings

COMMUNICATIONS SYSTEMS AND RADIO FREQUENCY OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E5	CORE	Configure data rate allocations
E4	CORE	Configure message processing systems
E5	CORE	Configure portable communications systems
E4	CORE	Connect data links
E6	CORE	Coordinate communication restoral priorities
E5	NON-CORE	Coordinate tactical Communications on the Move (COTM)
E7	NON-CORE	Coordinate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E5	CORE	Coordinate with off-site technical support (e.g., restoral, installs, parts, etc.)
E4	NON-CORE	Deploy Mobile Ad-hoc Networks (MANET)
E4	NON-CORE	Deploy tactical non-standard communications
E5	CORE	Determine system configuration requirements
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E4	CORE	Disconnect data links
E4	CORE	Download Naval messages via automated systems
E4	CORE	Draft Communications Spot Reports (COMSPOT)
E5	CORE	Establish services with communications center
E5	NON-CORE	Establish unit and command certificates
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E5	CORE	Implement communication restoral priorities
E5	CORE	Implement non-repudiation controls
E4	NON-CORE	Install certificates (e.g., security, system, etc.)
E5	CORE	Install Tactical Command and Control (C2) systems (e.g., airborne, vehicle, etc.)
E5	NON-CORE	Integrate Intelligence, Surveillance, and Reconnaissance (ISR) services (e.g., Global Broadcasting Systems (GBS), Communications Data Link System (CDLS), etc.)
E5	CORE	Integrate portable communications systems
E5	CORE	Investigate loss of Facilities Control (FACCON)
E4	CORE	Load image software
E5	CORE	Maintain communication reports (e.g., Master Station Log, Communications Spot Report (COMSPOT), Command, Control, Communications, Computers, and Intelligence (C4I), etc.)
E4	CORE	Maintain local media and technical libraries
E5	CORE	Maintain portable communications systems

COMMUNICATIONS SYSTEMS AND RADIO FREQUENCY OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Manage messaging systems
E4	CORE	Monitor message queues (e.g., activity, backlog, etc.)
E4	CORE	Monitor messaging systems (e.g., system performance, special handling, message traffic flow, etc.)
E4	CORE	Perform End of Mission Sanitizations (EOMS)
E4	CORE	Perform minimize condition procedures
E5	CORE	Plan communication system outages
E4	NON-CORE	Provide Radio over Internet Protocol (RoIP) connectivity
E5	CORE	Respond to Communications Spot Reports (COMSPOT)
E5	CORE	Restore loss of Facilities Control (FACCON)
E4	CORE	Sanitize communication centers
E4	CORE	Set Emission Control (EMCON) conditions
E4	CORE	Set Hazards of Electromagnetic Radiation (e.g., Hazards of Electromagnetic Radiation to Ordnance (HERO)/Hazards of Electromagnetic Radiation to Personnel (HERP) conditions, etc.)
E6	CORE	Supervise minimize condition procedures
E4	NON-CORE	Troubleshoot data links
E4	CORE	Update communication logs
E6	CORE	Validate unit and command certificates
E6	CORE	Verify currency of communications guidance (e.g., Operations Order (OPORD), Signature Control (SIGCON), etc.)

DEPARTMENT OF DEFENSE INFORMATION NETWORK (DODIN) CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Advise leadership of changes affecting the organization's cybersecurity posture
E5	CORE	Complete network security assessment checklists
E5	CORE	Configure network firewalls
E7	CORE	Determine patterns of non-compliance (e.g., risk levels, Cyber Security program effectiveness, etc.)
E7	CORE	Develop bandwidth management instructions
E7	NON-CORE	Develop critical infrastructure protection policies and procedures
E7	CORE	Draft Continuity of Operations Program (COOP)
E6	CORE	Enforce procedures, guidelines and cybersecurity policies
E7	CORE	Forecast service demands
E5	NON-CORE	Identify applications and Operating Systems (OS) of a network device based on network traffic
E4	CORE	Identify Information Systems Security (ISS) violations and vulnerabilities
E7	NON-CORE	Identify Information Technology (IT) security program implications of new technologies or technology upgrades
E4	CORE	Identify security issues (e.g., protection, aggregation, inter-connectivity, etc.)
E6	NON-CORE	Implement alternative Information Security (INFOSEC) strategies
E4	NON-CORE	Implement Information Assurance Vulnerability Alerts (IAVA)
E4	NON-CORE	Implement Information Assurance Vulnerability Bulletins (IAVB)
E6	CORE	Implement Information Systems Security (ISS) policies

DEPARTMENT OF DEFENSE INFORMATION NETWORK (DODIN) CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Implement network security applications
E5	CORE	Implement policies and procedures to ensure protection of critical infrastructure
E5	NON-CORE	Install dedicated cyber defense systems
E4	CORE	Maintain Information System (IS) antivirus definitions
E5	CORE	Maintain Information Systems (IS) logs
E7	CORE	Manage cyber certification requirements
E5	CORE	Perform cybersecurity assessments
E5	CORE	Perform security actions
E4	NON-CORE	Provide technical support to resolve cyber incidents
E7	CORE	Recommend Information Security (INFOSEC) requirements
E5	CORE	Report Information Systems Security (ISS) incidents
E6	CORE	Review Information Systems Security (ISS) requirements
E5	CORE	Test Information Systems (IS)
E5	CORE	Track audit findings for mitigation actions
E6	NON-CORE	Validate Information Assurance Vulnerability Alerts (IAVA)
E6	NON-CORE	Validate Information Assurance Vulnerability Bulletins (IAVB)
E5	CORE	Validate migration/installation computer software
E7	CORE	Validate network security assessment checklists
E6	CORE	Validate network security remediation actions

NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer cloud services
E4	NON-CORE	Administer Information System (IS) accounts
E4	CORE	Administer network system databases
E7	NON-CORE	Advise senior management (e.g., Chief Information Officer (CIO) on cost/benefit analysis of information security programs, policies, processes, systems, and elements, etc.)
E5	CORE	Conduct computer software migration
E5	CORE	Conduct Information Systems (IS) Testing and Evaluation (T&E)
E4	CORE	Configure computer application software
E5	CORE	Configure domain system policies
E4	NON-CORE	Configure network hardware
E5	CORE	Configure network services
E4	CORE	Configure peripherals
E5	CORE	Configure router Access Control Lists (ACL)
E4	CORE	Configure router and switching devices
E5	CORE	Configure server Operating System (OS) software
E4	CORE	Configure virtual environments
E5	NON-CORE	Configure virus scanners
E4	CORE	Configure workstation core components

NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Configure workstation network connectivity
E4	CORE	Configure workstation Operating System (OS) software
E5	CORE	Construct networks
E5	CORE	Coordinate the scheduling of backups
E6	CORE	Determine network migration and installation potential problems and time requirements
E7	CORE	Develop disaster recovery contingency plans
E5	CORE	Develop Information System (IS) Standard Operating Procedures (SOP)
E7	CORE	Develop network plans and policies
E7	CORE	Develop remediation plans for identified vulnerabilities
E4	CORE	Document Information System (IS) errors
E4	CORE	Document network outages
E4	CORE	Document off-site technical support actions
E4	CORE	Document server outages
E7	NON-CORE	Estimate network migration, installation or repair costs
E7	NON-CORE	Evaluate cost-benefit, economic, and risk analysis for Information Systems (IS) in decision-making process
E4	CORE	Identify Information Systems (IS) anomalies
E5	CORE	Implement domain policies
E5	CORE	Implement network policies
E6	CORE	Implement remediation plans for identified vulnerabilities
E5	CORE	Implement River City conditions on Information Systems (IS)
E4	NON-CORE	Initialize network servers
E4	CORE	Inspect Information Systems (IS) (e.g., network components, system hardware, etc.)
E4	CORE	Install Information Systems (IS) hardware components
E5	CORE	Integrate embarkable Information Systems (IS) (e.g., squadron, Immediate Superior in Command (ISIC), Staff, lettered Agencies, Marines, etc.)
E4	CORE	Isolate infected systems
E5	CORE	Maintain cross-domain solutions (e.g., Radiant Mercury, NOVA, etc.)
E5	CORE	Maintain Information System (IS) servers (e.g., connectivity, updating, modifying, etc.)
E7	CORE	Maintain Information Systems (IS) (e.g., Program of Record (POR), authorized, system backups, etc.)
E5	CORE	Maintain Local Area Network (LAN) architecture
E4	CORE	Maintain network cabling
E6	NON-CORE	Maintain network documentation (e.g., System Operational Verification Testing (SOVT), Interactive Electronic Technical Manual (IETM), Hosted Application and Connected Systems Implementation Manual (HACSIM), etc.)
E4	CORE	Maintain network printers
E4	CORE	Maintain network system databases
E5	CORE	Maintain network topologies
E5	CORE	Maintain software application scripts

NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Maintain system certificates and licenses
E7	CORE	Manage audit data
E5	NON-CORE	Manage cloud services
E5	CORE	Manage collaboration software (e.g., Secure Video Teleconference (SVTC), Video Teleconference (VTC), TEAMS, Global Video Services (GVS), etc.)
E4	CORE	Manage file and folder access
E5	CORE	Manage Information System (IS) queues
E5	CORE	Manage Information System (IS) servers (e.g., settings, sites, applications, etc.)
E6	CORE	Manage Local Area Network (LAN) architecture
E5	CORE	Manage network monitoring software performance
E5	CORE	Manage network system configurations
E5	CORE	Manage network system updates
E5	NON-CORE	Manage networking solutions (e.g., Afloat Forward Staging Base (AFSB), Commercial Solutions for Classified Program (CSfC), etc.)
E4	NON-CORE	Manage software containers in virtualization
E7	NON-CORE	Manage system life-cycle plans
E4	NON-CORE	Manage virtual environments
E4	CORE	Monitor network equipment status (e.g., overheating, connectivity, usability, etc.)
E4	CORE	Monitor routing and switching devices
E7	NON-CORE	Oversee network migrations and installation
E4	CORE	Patch Information Systems (IS)
E4	CORE	Perform data transfers
E4	CORE	Perform disk administration
E4	CORE	Perform file system maintenance
E4	CORE	Perform File Transfer Protocol (FTP) functions
E4	NON-CORE	Perform Information Systems (IS) backups
E4	CORE	Perform Information Systems (IS) equipment and media disposition requirements (e.g., destruction, disposal, transfer, etc.)
E5	CORE	Perform Internet Protocol (IP) shift
E4	CORE	Perform inventory of Information System (IS) assets
E4	CORE	Perform start-up/shut down procedures
E5	NON-CORE	Perform trend analysis (e.g., hardware, software, network, etc.)
E7	NON-CORE	Plan network restorations
E7	NON-CORE	Plan network upgrades
E5	CORE	Prepare network status reports
E4	CORE	Process customer trouble calls
E7	CORE	Provide Information Systems (IS) incident details to external organizations (e.g., law enforcement personnel, Inspector General (IG), higher authority, etc.)
E4	NON-CORE	Restore computer Information Systems (IS)
E4	NON-CORE	Restore from backups (e.g., server, switches, routers, databases, etc.)
E4	CORE	Scan for viruses
E7	CORE	Supervise Internet Protocol (IP) shift

NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise Local Area Network (LAN) operations
E4	CORE	Troubleshoot client Operating Systems (OS)
E5	CORE	Troubleshoot end-to-end communications
E4	CORE	Troubleshoot file and folder access problems
E4	CORE	Troubleshoot network hardware
E4	CORE	Troubleshoot peripherals
E4	NON-CORE	Troubleshoot router and switching devices
E5	CORE	Troubleshoot server Operating Systems (OS)
E5	CORE	Troubleshoot storage devices
E4	NON-CORE	Troubleshoot virtual environments
E5	CORE	Troubleshoot Wide Area Networks (WAN) connections
E4	CORE	Troubleshoot workstation network connectivity
E4	CORE	Troubleshoot workstations
E5	NON-CORE	Update network policies
E7	CORE	Validate baseline security safeguard installation
E6	CORE	Validate inventory of Information System (IS) assets
E7	CORE	Validate network operating procedures
E5	CORE	Validate network topologies
E6	CORE	Validate River City conditions on Information Systems (IS)
E4	CORE	Verify backups
E7	CORE	Verify Information Systems (IS) equipment and media disposition requirements (e.g., destruction, disposal, transfer, etc.)
E4	NON-CORE	Verify network system operations
E5	NON-CORE	Write software application scripts

Job Title **Job Code**

Information Systems Security Manager 002779

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	INFO SYSTEMS SECURITY MANAGER	ISSM

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IT	NEC HXXX, UXXX, 7XXX series and other NECs as assigned

Job Description

Information Systems Security Managers serve as principal advisors to the Commanding Officer for all information security matters: ensure cybersecurity and risk management program requirement conformity; review the accreditation plan and reaccreditation activities; confirm site accreditation support documentation is developed, maintained, and verified for an acceptable level of risk; track Cyberspace Workforce (CWF) compliance; confirm required personnel qualification achievement and maintenance; verify proper execution and documentation of security tests; ensure that Information System (IS) users are monitored to verify compliance with security policies and procedures; maintain an activity Cybersecurity Plan (CSP); and ensure the development of System Security Plans (SSP) for systems that contain sensitive information.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
ADP Computers, General	115000	Information Security Engineers	15-1299.05	Computer and Mathematical

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Operation and Control	*Information Ordering*
Management of Material Resources	*Problem Sensitivity*
Writing	*Written Expression*
Complex Problem Solving	*Inductive Reasoning*
Systems Analysis	*Visualization*
Technology Design	*Written Comprehension*
Time Management	*Oral Expression*
Judgment and Decision Making	*Flexibility of Closure*
Quality Control Analysis	*Category Flexibility*

COMMUNICATIONS SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Conduct Emergency Action Plans (EAP)
E4	CORE	Destroy Communication Security (COMSEC) material
E6	CORE	Develop Emergency Action Plans (EAP)
E4	CORE	Inspect security containers
E4	CORE	Maintain physical security of Sensitive Compartmented Information (SCI) of Information Systems (IS)

COMMUNICATIONS SYSTEMS AND RADIO FREQUENCY OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E7	NON-CORE	Coordinate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E5	CORE	Coordinate with off-site technical support (e.g., restoral, installs, parts, etc.)
E5	CORE	Determine system configuration requirements
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E4	CORE	Maintain local media and technical libraries
E4	CORE	Sanitize communication centers

DEPARTMENT OF DEFENSE INFORMATION NETWORK (DODIN) CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Advise leadership of changes affecting the organization's cybersecurity posture
E5	NON-CORE	Analyze Information Systems (IS) security posture trends
E5	NON-CORE	Analyze organizational security posture trends
E5	NON-CORE	Analyze Risk Management Framework (RMF) artifacts
E5	CORE	Complete network security assessment checklists
E7	CORE	Determine patterns of non-compliance (e.g., risk levels, Cyber Security program effectiveness, etc.)
E7	NON-CORE	Develop critical infrastructure protection policies and procedures
E7	NON-CORE	Develop domain policies
E6	NON-CORE	Develop Information Systems Security (ISS) plans
E7	NON-CORE	Develop Information Systems Security (ISS) policies
E6	CORE	Develop network security instructions
E5	CORE	Disseminate cyber event information
E5	CORE	Disseminate technical documents, incident reports, findings from computer examinations, summaries, and other situational awareness information to higher headquarters
E7	CORE	Draft Continuity of Operations Program (COOP)
E6	CORE	Enforce procedures, guidelines and cybersecurity policies
E7	NON-CORE	Evaluate Information Systems Security (ISS) incidents for operational impact
E7	CORE	Evaluate security improvement actions for effectiveness
E7	CORE	Forecast service demands
E6	NON-CORE	Identify critical cyber defense infrastructure and key resources to meet mission requirements
E4	CORE	Identify Information Systems Security (ISS) violations and vulnerabilities
E7	NON-CORE	Identify Information Technology (IT) security program implications of new technologies or technology upgrades
E4	CORE	Identify security issues (e.g., protection, aggregation, inter-connectivity, etc.)
E6	NON-CORE	Implement alternative Information Security (INFOSEC) strategies
E6	CORE	Implement Information Systems Security (ISS) policies
E5	CORE	Implement network security applications
E5	CORE	Implement policies and procedures to ensure protection of critical infrastructure
E7	NON-CORE	Maintain Information Systems Security (ISS) certification and accreditation documentation (e.g., Authority to Operate (ATO), Interim Approval to Operate (IATO), etc.)
E7	CORE	Manage cyber certification requirements
E7	CORE	Manage cyberspace workforce programs
E7	CORE	Manage electronic spillage process
E7	CORE	Manage Information Security (INFOSEC) incident reporting processes
E7	CORE	Manage Information Security (INFOSEC) training and awareness programs
E7	CORE	Manage Information Systems Security (ISS) programs
E7	CORE	Manage Information Technology (IT) resources and security personnel

DEPARTMENT OF DEFENSE INFORMATION NETWORK (DODIN) CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage Information Technology (IT) resources and security personnel
E7	CORE	Manage Information Technology (IT) security priorities
E7	CORE	Manage intranet/Department of Defense Information Network (DODIN) security policies
E5	CORE	Perform cybersecurity assessments
E5	CORE	Perform security actions
E4	NON-CORE	Provide technical support to resolve cyber incidents
E7	CORE	Recommend Information Security (INFOSEC) requirements
E5	CORE	Report Information Systems Security (ISS) incidents
E7	CORE	Report organizational security posture trends
E6	CORE	Review Information Systems Security (ISS) requirements
E6	CORE	Review security risk assumptions
E5	CORE	Track audit findings for mitigation actions
E6	NON-CORE	Validate Information Assurance Vulnerability Alerts (IAVA)
E6	NON-CORE	Validate Information Assurance Vulnerability Bulletins (IAVB)
E5	NON-CORE	Validate Intrusion Detection System (IDS) alerts
E5	CORE	Validate migration/installation computer software
E7	CORE	Validate network security assessment checklists
E6	CORE	Validate network security remediation actions
E7	NON-CORE	Verify acquisitions, procurements, and outsourcing efforts of information security requirements

NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	NON-CORE	Advise senior management (e.g., Chief Information Officer (CIO) on cost/benefit analysis of information security programs, policies, processes, systems, and elements, etc.)
E5	CORE	Conduct computer software migration
E7	CORE	Coordinate cybersecurity inspections, tests, and reviews
E6	CORE	Determine network migration and installation potential problems and time requirements
E7	CORE	Develop disaster recovery contingency plans
E5	CORE	Develop Information System (IS) Standard Operating Procedures (SOP)
E7	CORE	Develop network plans and policies
E7	CORE	Develop remediation plans for identified vulnerabilities
E4	CORE	Document Information System (IS) errors
E4	CORE	Document network outages
E4	CORE	Document off-site technical support actions
E7	NON-CORE	Estimate network migration, installation or repair costs
E7	NON-CORE	Evaluate cost-benefit, economic, and risk analysis for Information Systems (IS) in decision-making process
E4	CORE	Identify Information Systems (IS) anomalies
E6	CORE	Implement remediation plans for identified vulnerabilities

NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Inspect Information Systems (IS) (e.g., network components, system hardware, etc.)
E5	CORE	Maintain cross-domain solutions (e.g., Radiant Mercury, NOVA, etc.)
E7	CORE	Maintain Information Systems (IS) (e.g., Program of Record (POR), authorized, system backups, etc.)
E6	NON-CORE	Maintain network documentation (e.g., System Operational Verification Testing (SOVT), Interactive Electronic Technical Manual (IETM), Hosted Application and Connected Systems Implementation Manual (HACSIM), etc.)
E5	CORE	Maintain network topologies
E7	NON-CORE	Maintain Risk Management Framework (RMF)/Security Assessment and Authorization (SA&A) requirements for dedicated cyber defense systems
E5	CORE	Maintain system certificates and licenses
E7	CORE	Manage audit data
E7	NON-CORE	Manage information security budget, staffing, and contracting
E6	CORE	Manage Local Area Network (LAN) architecture
E5	CORE	Manage network system configurations
E5	CORE	Manage network system updates
E5	NON-CORE	Manage networking solutions (e.g., Afloat Forward Staging Base (AFSB), Commercial Solutions for Classified Program (CSfC), etc.)
E7	NON-CORE	Manage system life-cycle plans
E7	NON-CORE	Oversee network migrations and installation
E4	CORE	Perform data transfers
E4	CORE	Perform inventory of Information System (IS) assets
E7	NON-CORE	Plan network restorations
E7	NON-CORE	Plan network upgrades
E5	CORE	Prepare network status reports
E7	CORE	Provide Information Systems (IS) incident details to external organizations (e.g., law enforcement personnel, Inspector General (IG), higher authority, etc.)
E5	CORE	Report Information Systems (IS) security posture trends
E6	CORE	Supervise Local Area Network (LAN) operations
E5	NON-CORE	Update network policies
E7	CORE	Validate baseline security safeguard installation
E7	CORE	Validate Information Technology (IT) security requirements in all phases of the system life cycle
E7	CORE	Validate network operating procedures
E5	CORE	Validate network topologies
E7	CORE	Verify Information Systems (IS) equipment and media disposition requirements (e.g., destruction, disposal, transfer, etc.)

Job Title **Job Code**

Communications Security (COMSEC) Account Manager (CAM) 002780

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	COMSEC ACCT MANAGER	COMSEC CAM

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IT	NEC HXXX, UXXX, 7XXX series and other NECs as assigned

Job Description

Communications Security (COMSEC) Account Managers (CAM) serve as the Commanding Officer's primary advisor on all COMSEC related matters; acquire, monitor, and maintain an organization's COMSEC allowance; ensure proper storage and adequate physical security for all COMSEC material held within an account; operate and maintain the Management Client/Advanced Key Processor (MGC/AKP) to manage material, and support local key generation, encryption, decryption, and destruction.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
ADP Computers, General	115000	Computer and Information Systems Manager	11-3021.00	Management

Skills	Abilities
Operation and Control	*Information Ordering*
Critical Thinking	*Deductive Reasoning*
Management of Material Resources	*Inductive Reasoning*
Systems Analysis	*Problem Sensitivity*
Complex Problem Solving	*Written Comprehension*
Writing	*Written Expression*
Technology Design	*Visualization*
Judgment and Decision Making	*Oral Expression*
Troubleshooting	*Control Precision*
Coordination	*Speed of Closure*

COMMUNICATIONS SECURITY

Paygrade	Task Type	Task Statements
E6	NON-CORE	Administer access to symmetric Crypto Net Key Management Infrastructure (KMI)
E5	NON-CORE	Administer client platform securities
E6	NON-CORE	Administer client platforms Key Management Infrastructure (KMI)
E5	NON-CORE	Administer deployed cryptologic tactical systems Key Management Infrastructure (KMI)
E6	NON-CORE	Administer High Assurance Platform (HAP) securities
E6	NON-CORE	Administer High Assurance Platforms (HAP)
E6	NON-CORE	Administer Key Management Infrastructure (KMI) Key Operating Accounts (KOA)
E5	NON-CORE	Administer Key Management Infrastructure (KMI) user accounts
E5	NON-CORE	Administer token securities
E6	NON-CORE	Assign product requestors
E5	NON-CORE	Audit Key Management Infrastructure (KMI) management data
E5	NON-CORE	Backup Key Management Infrastructure (KMI) accounts
E4	CORE	Conduct Emergency Action Plans (EAP)
E6	NON-CORE	Deregister Key Management Infrastructure (KMI) devices
E4	CORE	Destroy Communication Security (COMSEC) material
E6	NON-CORE	Destroy Key Management Infrastructure (KMI) storefront products
E6	CORE	Develop Emergency Action Plans (EAP)
E6	CORE	Develop local Communications Security (COMSEC) handling instructions
E6	NON-CORE	Endorse Key Management Infrastructure (KMI) devices

COMMUNICATIONS SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Establish Key Management Infrastructure (KMI) new product requirements
E6	NON-CORE	Generate Key Management Infrastructure (KMI) cryptologic product requests
E5	NON-CORE	Generate local keys
E4	CORE	Handle Communications Security (COMSEC) material
E4	CORE	Identify Communications Security (COMSEC) discrepancies
E6	CORE	Implement Communications Security (COMSEC) changes
E7	CORE	Implement Emergency Action Plans (EAP)
E4	NON-CORE	Initialize Key Management Infrastructure (KMI) devices (e.g., fill devices, Inline Network Encryption (INE), bulk encryption, etc.)
E4	CORE	Inspect security containers
E5	NON-CORE	Issue Communication Security (COMSEC) material
E5	NON-CORE	Issue Key Management Infrastructure (KMI) materials
E4	CORE	Load Communications Security (COMSEC) equipment
E4	CORE	Maintain Crypto Ignition Keys (CIK)
E4	CORE	Maintain cryptographic equipment
E5	NON-CORE	Maintain Key Management Infrastructure (KMI) databases
E4	CORE	Maintain physical security of Sensitive Compartmented Information (SCI) of Information Systems (IS)
E5	CORE	Manage Communications Security (COMSEC) training programs
E6	NON-CORE	Manage Key Management Infrastructure (KMI) Device Distribution Profiles (DDP)
E5	NON-CORE	Manage Key Management Infrastructure (KMI) network connectivity
E5	NON-CORE	Manage Key Management Infrastructure (KMI) production
E5	NON-CORE	Manage Key Management Infrastructure (KMI) system configurations
E5	NON-CORE	Manage Key Management Infrastructure (KMI) system reports
E5	NON-CORE	Manage Key Management Infrastructure (KMI) tokens
E5	CORE	Monitor Communications Security (COMSEC) platform security
E5	NON-CORE	Order Communications Security (COMSEC) products
E4	CORE	Perform inventory of Communications Security (COMSEC) materials
E5	CORE	Prepare local element Communication Security (COMSEC) reports
E4	CORE	Process Communications Security (COMSEC) changes
E4	CORE	Receive Communications Security (COMSEC) material
E5	NON-CORE	Register Key Management Infrastructure (KMI) Key Operating Account (KOA) agents
E5	NON-CORE	Register Key Management Infrastructure (KMI) users
E5	NON-CORE	Register local Key Management Infrastructure (KMI) elements
E5	CORE	Report Communications Security (COMSEC) compliance
E6	CORE	Report Communications Security (COMSEC) compliance to higher authority (e.g., Commanding Officer (CO), Officer in Charge (OIC), etc.)
E5	NON-CORE	Review Key Management Infrastructure (KMI) databases
E4	CORE	Set up cryptographic equipment
E4	CORE	Set up cryptographic networks
E5	CORE	Transfer custody of Communications Security (COMSEC) material

COMMUNICATIONS SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Troubleshoot Key Management Infrastructure (KMI) suite
E5	NON-CORE	Update Device Distribution Profiles (DDP)
E4	CORE	Validate Communications Security (COMSEC) material
E6	CORE	Validate inventory of Communications Security (COMSEC) materials
E4	CORE	Verify cryptographic equipment settings

COMMUNICATIONS SYSTEMS AND RADIO FREQUENCY OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E7	NON-CORE	Coordinate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E5	CORE	Coordinate with off-site technical support (e.g., restoral, installs, parts, etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E4	CORE	Maintain communication publications
E4	CORE	Maintain local media and technical libraries
E4	CORE	Perform End of Mission Sanitizations (EOMS)
E4	NON-CORE	Perform Over-The-Air-Rekey (OTAR)
E4	NON-CORE	Perform Over-The-Air-Transmission (OTAT)
E5	CORE	Restore loss of Facilities Control (FACCON)
E4	CORE	Sanitize communication centers
E6	CORE	Verify communications security policies

DEPARTMENT OF DEFENSE INFORMATION NETWORK (DODIN) CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Draft Continuity of Operations Program (COOP)
E7	CORE	Forecast service demands
E4	CORE	Identify security issues (e.g., protection, aggregation, inter-connectivity, etc.)
E4	NON-CORE	Implement Information Assurance Vulnerability Alerts (IAVA)
E4	NON-CORE	Implement Information Assurance Vulnerability Bulletins (IAVB)
E4	CORE	Maintain Information System (IS) antivirus definitions
E5	CORE	Maintain Information Systems (IS) logs
E7	NON-CORE	Maintain Information Systems Security (ISS) certification and accreditation documentation (e.g., Authority to Operate (ATO), Interim Approval to Operate (IATO), etc.)
E5	CORE	Perform security actions
E5	CORE	Track audit findings for mitigation actions

NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	NON-CORE	Advise senior management (e.g., Chief Information Officer (CIO) on cost/benefit analysis of information security programs, policies, processes, systems, and elements, etc.)
E5	CORE	Conduct computer software migration
E5	CORE	Configure network services
E4	CORE	Configure peripherals
E4	CORE	Configure workstation network connectivity
E4	CORE	Configure workstation Operating System (OS) software
E5	CORE	Coordinate the scheduling of backups
E6	CORE	Determine network migration and installation potential problems and time requirements
E7	CORE	Develop disaster recovery contingency plans
E5	CORE	Develop Information System (IS) Standard Operating Procedures (SOP)
E4	CORE	Document Information System (IS) errors
E4	CORE	Document network outages
E4	CORE	Document off-site technical support actions
E7	NON-CORE	Estimate network migration, installation or repair costs
E7	NON-CORE	Evaluate cost-benefit, economic, and risk analysis for Information Systems (IS) in decision-making process
E4	CORE	Identify Information Systems (IS) anomalies
E6	CORE	Implement remediation plans for identified vulnerabilities
E4	CORE	Inspect Information Systems (IS) (e.g., network components, system hardware, etc.)
E4	CORE	Install Information Systems (IS) hardware components
E7	CORE	Maintain Information Systems (IS) (e.g., Program of Record (POR), authorized, system backups, etc.)
E6	NON-CORE	Maintain network documentation (e.g., System Operational Verification Testing (SOVT), Interactive Electronic Technical Manual (IETM), Hosted Application and Connected Systems Implementation Manual (HACSIM), etc.)
E4	CORE	Maintain network system databases
E5	CORE	Maintain system certificates and licenses
E7	CORE	Manage audit data
E5	CORE	Manage network system configurations
E5	CORE	Manage network system updates
E7	NON-CORE	Manage system life-cycle plans
E4	CORE	Monitor network equipment status (e.g., overheating, connectivity, usability, etc.)
E7	NON-CORE	Oversee network migrations and installation
E4	CORE	Patch Information Systems (IS)
E4	CORE	Perform data transfers
E4	CORE	Perform disk administration
E4	CORE	Perform file system maintenance
E4	NON-CORE	Perform Information Systems (IS) backups
E4	CORE	Perform Information Systems (IS) equipment and media disposition requirements (e.g., destruction, disposal, transfer, etc.)

NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform inventory of Information System (IS) assets
E4	CORE	Perform start-up/shut down procedures
E7	NON-CORE	Plan network restorations
E7	NON-CORE	Plan network upgrades
E7	CORE	Provide Information Systems (IS) incident details to external organizations (e.g., law enforcement personnel, Inspector General (IG), higher authority, etc.)
E4	NON-CORE	Restore computer Information Systems (IS)
E4	NON-CORE	Restore from backups (e.g., server, switches, routers, databases, etc.)
E4	CORE	Troubleshoot client Operating Systems (OS)
E5	CORE	Troubleshoot end-to-end communications
E4	CORE	Troubleshoot peripherals
E5	CORE	Troubleshoot Wide Area Networks (WAN) connections
E4	CORE	Troubleshoot workstation network connectivity
E4	CORE	Troubleshoot workstations
E5	NON-CORE	Update network policies
E6	CORE	Validate inventory of Information System (IS) assets
E4	CORE	Verify backups
E7	CORE	Verify Information Systems (IS) equipment and media disposition requirements (e.g., destruction, disposal, transfer, etc.)
E4	NON-CORE	Verify network system operations

Job Title **Job Code**

Vulnerability Assessment Analyst 002783

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	VULN ASSESSMENT ANALYST	VULN ANALYST

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IT	NEC HXXX, UXXX, 7XXX series and other NECs as assigned

Job Description

Vulnerability Assessment Analysts identify vulnerabilities and perform corrective actions to ensure system confidentiality, integrity, and availability; administer and operate installed Computer Network Defense (CND) systems and applications in accordance with current doctrine; use approved software and Operating System (OS) specific tools to perform virus protection and detection, system backups, data recovery, and auditing functions; install security software and document all security issues or breaches; and develop, implement, and assess solutions, with regard to protocol and proxy service vulnerabilities, guarding against hostile attempts of compromise or inadvertent disclosure of sensitive material.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
ADP Computers, General	115000	Information Security Analysts	15-1212.00	Computer and Mathematical

Skills	Abilities
Operation and Control	*Deductive Reasoning*
Critical Thinking	*Information Ordering*
Management of Material Resources	*Problem Sensitivity*
Systems Analysis	*Inductive Reasoning*
Technology Design	*Written Expression*
Complex Problem Solving	*Visualization*
Writing	*Written Comprehension*
Systems Evaluation	*Oral Expression*
Quality Control Analysis	*Flexibility of Closure*
Time Management	*Speed of Closure*

COMMUNICATIONS SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Conduct Emergency Action Plans (EAP)
E4	CORE	Destroy Communication Security (COMSEC) material
E4	CORE	Inspect security containers
E4	CORE	Maintain physical security of Sensitive Compartmented Information (SCI) of Information Systems (IS)

COMMUNICATIONS SYSTEMS AND RADIO FREQUENCY OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E7	NON-CORE	Coordinate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E5	CORE	Coordinate with off-site technical support (e.g., restoral, installs, parts, etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E5	NON-CORE	Establish unit and command certificates
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E4	NON-CORE	Install certificates (e.g., security, system, etc.)
E4	CORE	Maintain local media and technical libraries
E4	CORE	Sanitize communication centers

DEPARTMENT OF DEFENSE INFORMATION NETWORK (DODIN) CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Advise leadership of changes affecting the organization's cybersecurity posture
E5	NON-CORE	Analyze Information Systems (IS) security posture trends
E5	NON-CORE	Analyze malicious activity
E5	NON-CORE	Analyze metadata in network traffic
E5	NON-CORE	Analyze organizational security posture trends
E5	CORE	Complete network security assessment checklists
E5	NON-CORE	Configure dedicated cyber defense systems
E5	CORE	Configure network firewalls
E7	CORE	Determine patterns of non-compliance (e.g., risk levels, Cyber Security program effectiveness, etc.)
E7	NON-CORE	Develop critical infrastructure protection policies and procedures
E6	CORE	Develop network security instructions
E5	CORE	Disseminate cyber event information
E5	CORE	Disseminate technical documents, incident reports, findings from computer examinations, summaries, and other situational awareness information to higher headquarters
E7	CORE	Draft Continuity of Operations Program (COOP)
E6	CORE	Enforce procedures, guidelines and cybersecurity policies
E7	NON-CORE	Evaluate Information Systems Security (ISS) incidents for operational impact
E7	CORE	Evaluate security improvement actions for effectiveness
E5	NON-CORE	Identify applications and Operating Systems (OS) of a network device based on network traffic
E4	CORE	Identify Information Systems Security (ISS) violations and vulnerabilities
E7	NON-CORE	Identify Information Technology (IT) security program implications of new technologies or technology upgrades
E4	CORE	Identify security issues (e.g., protection, aggregation, inter-connectivity, etc.)
E6	NON-CORE	Implement alternative Information Security (INFOSEC) strategies
E4	NON-CORE	Implement Information Assurance Vulnerability Alerts (IAVA)
E4	NON-CORE	Implement Information Assurance Vulnerability Bulletins (IAVB)
E6	CORE	Implement Information Systems Security (ISS) policies
E5	CORE	Implement network security applications
E5	CORE	Implement policies and procedures to ensure protection of critical infrastructure
E5	NON-CORE	Install dedicated cyber defense systems
E4	CORE	Maintain Information System (IS) antivirus definitions
E5	CORE	Maintain Information Systems (IS) logs
E7	CORE	Manage cyber certification requirements
E5	CORE	Perform cybersecurity assessments
E5	NON-CORE	Perform network mapping to identify vulnerabilities
E5	NON-CORE	Perform Operating System (OS) fingerprinting to identify vulnerabilities
E5	CORE	Perform security actions
E4	NON-CORE	Provide technical support to resolve cyber incidents
E7	CORE	Recommend Information Security (INFOSEC) requirements

DEPARTMENT OF DEFENSE INFORMATION NETWORK (DODIN) CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Report Information Systems Security (ISS) incidents
E7	CORE	Report organizational security posture trends
E6	CORE	Review Information Systems Security (ISS) requirements
E6	CORE	Review security risk assumptions
E5	CORE	Test Information Systems (IS)
E5	CORE	Track audit findings for mitigation actions
E6	NON-CORE	Validate Information Assurance Vulnerability Alerts (IAVA)
E6	NON-CORE	Validate Information Assurance Vulnerability Bulletins (IAVB)
E5	NON-CORE	Validate Intrusion Detection System (IDS) alerts
E7	CORE	Validate network security assessment checklists
E6	CORE	Validate network security remediation actions

NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer cloud services
E4	CORE	Administer network system databases
E7	NON-CORE	Advise senior management (e.g., Chief Information Officer (CIO) on cost/benefit analysis of information security programs, policies, processes, systems, and elements, etc.)
E5	CORE	Conduct computer software migration
E5	CORE	Conduct Information Systems (IS) Testing and Evaluation (T&E)
E4	CORE	Configure computer application software
E5	CORE	Configure domain system policies
E4	NON-CORE	Configure network hardware
E5	CORE	Configure network services
E5	CORE	Configure router Access Control Lists (ACL)
E5	CORE	Configure server Operating System (OS) software
E4	CORE	Configure virtual environments
E5	NON-CORE	Configure virus scanners
E6	CORE	Determine network migration and installation potential problems and time requirements
E5	CORE	Develop Information System (IS) Standard Operating Procedures (SOP)
E7	CORE	Develop network plans and policies
E7	CORE	Develop remediation plans for identified vulnerabilities
E4	CORE	Document Information System (IS) errors
E4	CORE	Document network outages
E4	CORE	Document off-site technical support actions
E4	CORE	Document server outages
E7	NON-CORE	Evaluate cost-benefit, economic, and risk analysis for Information Systems (IS) in decision-making process
E4	CORE	Identify Information Systems (IS) anomalies
E5	CORE	Implement domain policies

NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Implement network policies
E6	CORE	Implement remediation plans for identified vulnerabilities
E4	NON-CORE	Initialize network servers
E4	CORE	Inspect Information Systems (IS) (e.g., network components, system hardware, etc.)
E5	CORE	Integrate embarkable Information Systems (IS) (e.g., squadron, Immediate Superior in Command (ISIC), Staff, lettered Agencies, Marines, etc.)
E4	CORE	Isolate infected systems
E5	CORE	Maintain cross-domain solutions (e.g., Radiant Mercury, NOVA, etc.)
E5	CORE	Maintain Information System (IS) servers (e.g., connectivity, updating, modifying, etc.)
E7	CORE	Maintain Information Systems (IS) (e.g., Program of Record (POR), authorized, system backups, etc.)
E6	NON-CORE	Maintain network documentation (e.g., System Operational Verification Testing (SOVT), Interactive Electronic Technical Manual (IETM), Hosted Application and Connected Systems Implementation Manual (HACSIM), etc.)
E4	CORE	Maintain network system databases
E5	CORE	Maintain network topologies
E5	CORE	Maintain software application scripts
E5	CORE	Maintain system certificates and licenses
E7	CORE	Manage audit data
E5	NON-CORE	Manage cloud services
E5	CORE	Manage Information System (IS) servers (e.g., settings, sites, applications, etc.)
E5	CORE	Manage network monitoring software performance
E5	CORE	Manage network system updates
E4	NON-CORE	Manage software containers in virtualization
E7	NON-CORE	Manage system life-cycle plans
E4	NON-CORE	Manage virtual environments
E4	CORE	Monitor network equipment status (e.g., overheating, connectivity, usability, etc.)
E4	CORE	Patch Information Systems (IS)
E4	CORE	Perform data transfers
E4	CORE	Perform File Transfer Protocol (FTP) functions
E4	CORE	Perform inventory of Information System (IS) assets
E4	CORE	Perform start-up/shut down procedures
E5	NON-CORE	Perform trend analysis (e.g., hardware, software, network, etc.)
E7	NON-CORE	Plan network restorations
E7	NON-CORE	Plan network upgrades
E5	CORE	Prepare network status reports
E7	CORE	Provide Information Systems (IS) incident details to external organizations (e.g., law enforcement personnel, Inspector General (IG), higher authority, etc.)
E5	CORE	Report Information Systems (IS) security posture trends
E4	CORE	Scan for viruses
E4	CORE	Troubleshoot client Operating Systems (OS)

NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Troubleshoot Wide Area Networks (WAN) connections
E7	CORE	Validate baseline security safeguard installation
E7	CORE	Validate network operating procedures
E5	CORE	Validate network topologies

Job Title **Job Code**

Radio Frequency Operator 002784

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	RADIO FREQUENCY OPERATOR	RF OPERATOR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IT	NEC HXXX, UXXX, 7XXX series and other NECs as assigned

Job Description

Radio Frequency Operators perform messaging, system monitoring, fault isolation, and circuit restoration of communications suites across the frequency spectrum to include communication transmission paths, input/output devices, cryptographic devices, and patch panels; demonstrate in-depth knowledge of signals, multiplexers, modulators/demodulators, transmission security, and applicable system transmitters, receivers, couplers and antenna subsystems; maintain signal quality through the use of system performance testing; determine signal distortion and identify preventive or corrective action as required; prepare and maintain all circuit, operational and administrative logs; and ensure accountability of publications and associated materials; and provide knowledge and expertise in fleet spectrum management.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
ADP Computers, General	115000	Telecommunications Engineering Specialist	15-1241.01	Computer and Mathematical

Skills	Abilities
Operation and Control	*Deductive Reasoning*
Management of Material Resources	*Information Ordering*
Critical Thinking	*Problem Sensitivity*
Complex Problem Solving	*Written Comprehension*
Technology Design	*Written Expression*
Systems Analysis	*Visualization*
Writing	*Inductive Reasoning*
Coordination	*Oral Expression*
Judgment and Decision Making	*Speed of Closure*
Systems Evaluation	*Selective Attention*

COMMUNICATIONS SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Conduct Emergency Action Plans (EAP)
E4	CORE	Destroy Communication Security (COMSEC) material
E6	CORE	Develop Emergency Action Plans (EAP)
E4	CORE	Handle Communications Security (COMSEC) material
E4	CORE	Identify Communications Security (COMSEC) discrepancies
E6	CORE	Implement Communications Security (COMSEC) changes
E4	NON-CORE	Initialize Key Management Infrastructure (KMI) devices (e.g., fill devices, Inline Network Encryption (INE), bulk encryption, etc.)
E4	CORE	Inspect security containers
E4	CORE	Load Communications Security (COMSEC) equipment
E4	CORE	Maintain Crypto Ignition Keys (CIK)
E4	CORE	Maintain cryptographic equipment
E4	CORE	Maintain physical security of Sensitive Compartmented Information (SCI) of Information Systems (IS)
E4	CORE	Perform inventory of Communications Security (COMSEC) materials
E5	CORE	Prepare local element Communication Security (COMSEC) reports
E4	CORE	Process Communications Security (COMSEC) changes
E4	CORE	Receive Communications Security (COMSEC) material
E4	CORE	Set up cryptographic equipment
E4	CORE	Set up cryptographic networks

COMMUNICATIONS SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Transfer custody of Communications Security (COMSEC) material
E4	CORE	Validate Communications Security (COMSEC) material
E6	CORE	Validate inventory of Communications Security (COMSEC) materials
E4	CORE	Verify cryptographic equipment settings

COMMUNICATIONS SYSTEMS AND RADIO FREQUENCY OPERATIONS

Paygrade	Task Type	Task Statements
E6	NON-CORE	Administer spectrum data (e.g., Real Time Spectrum Operations (RTSO), Spectrum XXI, etc.)
E5	NON-CORE	Collect spectrum requirements
E5	CORE	Complete communication certification checklists
E5	CORE	Conduct training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E5	CORE	Configure data rate allocations
E4	CORE	Configure message processing systems
E5	CORE	Configure portable communications systems
E4	CORE	Configure Radio Frequency (RF) systems (e.g., High Frequency (HF), Very High Frequency (VHF), Ultra High Frequency (UHF), Super High Frequency (SHF), Extremely High Frequency (EHF), etc.)
E4	NON-CORE	Configure switching equipment (e.g., Automated Single Audio System (ASAS), Automated Network Control Center (ANCC), Tactical Variant Switch (TVS), etc.)
E4	NON-CORE	Configure tactical waveforms (e.g., Low Probability of Exploitation (LPE), High Performance Waveform (HPW), etc.)
E4	NON-CORE	Configure test equipment (e.g., Spectrum Analyzer, Oscilloscope, Firebird, etc.)
E4	CORE	Connect data links
E5	NON-CORE	Coordinate all operational spectrum requirements (e.g., Identification Friend or Foe (IFF), LINK, etc.)
E6	CORE	Coordinate communication restoral priorities
E5	NON-CORE	Coordinate tactical Communications on the Move (COTM)
E7	NON-CORE	Coordinate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E5	CORE	Coordinate with off-site technical support (e.g., restoral, installs, parts, etc.)
E5	NON-CORE	Deconflict Electromagnetic Interference (EMI)
E4	NON-CORE	Deploy Mobile Ad-hoc Networks (MANET)
E4	NON-CORE	Deploy tactical non-standard communications
E5	CORE	Deploy Tactical Radio Frequency (RF) systems (e.g., field expedient Tactical Communications Satellite (TACSAT), etc.)
E6	NON-CORE	Designate circuit frequency assignments
E6	NON-CORE	Determine Joint restricted frequencies
E5	CORE	Determine system configuration requirements
E7	NON-CORE	Develop communications policies
E6	CORE	Develop communications Primary, Alternate, Contingency and Emergency (PACE) plan
E6	NON-CORE	Develop Electromagnetic Spectrum (EMS) policies and procedures
E6	NON-CORE	Develop Joint Communications Electronics Operation Instructions (JCEOI)

COMMUNICATIONS SYSTEMS AND RADIO FREQUENCY OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Develop spectrum management plans
E6	NON-CORE	Develop spectrum requirements data call messages
E6	NON-CORE	Develop spectrum requirements summaries
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E4	CORE	Disconnect data links
E6	NON-CORE	Disseminate Joint Restricted Frequency List (JRFL)
E5	CORE	Disseminate spectrum management plans
E4	CORE	Download Naval messages via automated systems
E5	CORE	Draft Communications Plans (COMMPLAN)
E4	CORE	Draft Communications Spot Reports (COMSPOT)
E6	NON-CORE	Draft Operational Task Communications (OPTASK COMMS)
E5	CORE	Establish services with communications center
E5	NON-CORE	Establish unit and command certificates
E6	CORE	Evaluate Radio Frequency (RF) communications policies
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), etc.)
E5	CORE	Identify electromagnetic interference (EMI)
E6	NON-CORE	Identify source of Electromagnetic Interference (EMI)
E5	CORE	Implement communication restoral priorities
E5	CORE	Implement Communications Plans (COMMPLAN)
E5	CORE	Implement non-repudiation controls
E4	NON-CORE	Install certificates (e.g., security, system, etc.)
E5	CORE	Install Tactical Command and Control (C2) systems (e.g., airborne, vehicle, etc.)
E5	NON-CORE	Integrate Intelligence, Surveillance, and Reconnaissance (ISR) services (e.g., Global Broadcasting Systems (GBS), Communications Data Link System (CDLS), etc.)
E5	CORE	Integrate portable communications systems
E5	CORE	Investigate loss of Facilities Control (FACCON)
E4	CORE	Load image software
E4	CORE	Maintain antenna systems
E4	CORE	Maintain communication publications
E5	CORE	Maintain communication reports (e.g., Master Station Log, Communications Spot Report (COMSPOT), Command, Control, Communications, Computers, and Intelligence (C4I), etc.)
E4	CORE	Maintain communications archives
E5	CORE	Maintain communications status boards
E4	CORE	Maintain general message files
E4	CORE	Maintain local media and technical libraries
E5	CORE	Maintain portable communications systems
E5	CORE	Maintain Radio Frequency (RF) systems (e.g., High Frequency (HF), Very High Frequency (VHF), Ultra High Frequency (UHF), Super High Frequency (SHF), Extremely High Frequency (EHF), etc.)

COMMUNICATIONS SYSTEMS AND RADIO FREQUENCY OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain terminal processors (e.g., Naval Modular Automated Communications System (NAVMACS), etc.)
E7	CORE	Manage communications certification requirements
E5	CORE	Manage messaging systems
E6	CORE	Manage Radio Frequency (RF) systems (e.g., High Frequency (HF), Very High Frequency (VHF), Ultra High Frequency (UHF), Super High Frequency (SHF), Extremely High Frequency (EHF), etc.)
E7	CORE	Manage Satellite Access Request (SAR) process
E4	CORE	Monitor message queues (e.g., activity, backlog, etc.)
E4	CORE	Monitor messaging systems (e.g., system performance, special handling, message traffic flow, etc.)
E4	CORE	Perform communications checks
E5	CORE	Perform communications shifts
E4	CORE	Perform End of Mission Sanitizations (EOMS)
E4	CORE	Perform minimize condition procedures
E4	NON-CORE	Perform Over-The-Air-Rekey (OTAR)
E4	NON-CORE	Perform Over-The-Air-Transmission (OTAT)
E5	CORE	Plan communication system outages
E4	CORE	Prepare message system status reports
E5	CORE	Prepare Satellite Access Requests (SAR)/Gateway Access Request (GAR)/After Action Reports (AAR)/End of Service Report (ESR)
E4	CORE	Process messages (e.g., special handling, American Red Cross (AMCROSS), Situation Reports (SITREP), etc.)
E6	NON-CORE	Project potential Electromagnetic Interference (EMI) sources
E4	NON-CORE	Provide Radio over Internet Protocol (RoIP) connectivity
E5	CORE	Report electromagnetic interference (EMI)
E5	NON-CORE	Resolve electromagnetic interference (EMI)
E5	CORE	Respond to Communications Spot Reports (COMSPOT)
E5	CORE	Restore loss of Facilities Control (FACCON)
E4	CORE	Sanitize communication centers
E4	CORE	Set Emission Control (EMCON) conditions
E4	CORE	Set Hazards of Electromagnetic Radiation (e.g., Hazards of Electromagnetic Radiation to Ordnance (HERO)/Hazards of Electromagnetic Radiation to Personnel (HERP) conditions, etc.)
E6	NON-CORE	Submit all spectrum requests and packages for national or host approval
E6	NON-CORE	Submit electromagnetic interference (EMI) reports
E6	CORE	Supervise minimize condition procedures
E4	NON-CORE	Troubleshoot data links
E4	CORE	Update communication logs
E6	NON-CORE	Update spectrum-use databases
E7	CORE	Validate communication certification checklists
E6	NON-CORE	Validate electromagnetic interference (EMI) resolution
E7	NON-CORE	Validate Electromagnetic Spectrum (EMS) documentation

COMMUNICATIONS SYSTEMS AND RADIO FREQUENCY OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Validate Naval message formatting
E6	CORE	Validate unit and command certificates
E6	CORE	Verify communications security policies
E6	CORE	Verify currency of communications guidance (e.g., Operations Order (OPORD), Signature Control (SIGCON), etc.)
E4	CORE	Verify end to end circuit diagrams

DEPARTMENT OF DEFENSE INFORMATION NETWORK (DODIN) CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Develop bandwidth management instructions
E7	CORE	Draft Continuity of Operations Program (COOP)
E7	CORE	Forecast service demands
E4	CORE	Identify security issues (e.g., protection, aggregation, inter-connectivity, etc.)
E5	CORE	Maintain Information Systems (IS) logs
E5	CORE	Perform security actions
E5	CORE	Report Information Systems Security (ISS) incidents
E5	CORE	Test Information Systems (IS)

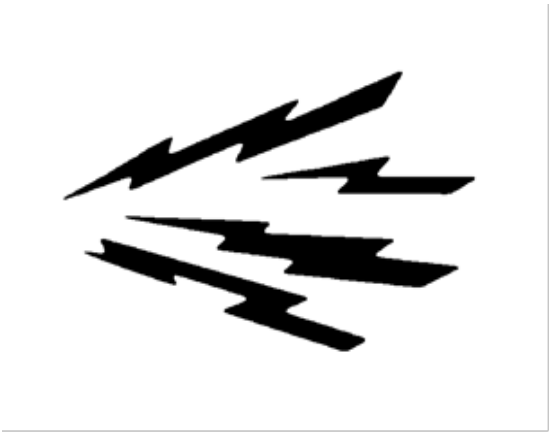
NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	NON-CORE	Advise senior management (e.g., Chief Information Officer (CIO) on cost/benefit analysis of information security programs, policies, processes, systems, and elements, etc.)
E5	CORE	Conduct Information Systems (IS) Testing and Evaluation (T&E)
E4	CORE	Configure peripherals
E7	CORE	Develop disaster recovery contingency plans
E5	CORE	Develop Information System (IS) Standard Operating Procedures (SOP)
E4	CORE	Document Information System (IS) errors
E4	CORE	Document network outages
E4	CORE	Document off-site technical support actions
E7	NON-CORE	Evaluate cost-benefit, economic, and risk analysis for Information Systems (IS) in decision-making process
E4	CORE	Identify Information Systems (IS) anomalies
E6	CORE	Implement remediation plans for identified vulnerabilities
E5	CORE	Implement River City conditions on Information Systems (IS)
E4	CORE	Inspect Information Systems (IS) (e.g., network components, system hardware, etc.)
E4	CORE	Install Information Systems (IS) hardware components
E5	CORE	Integrate embarkable Information Systems (IS) (e.g., squadron, Immediate Superior in Command (ISIC), Staff, lettered Agencies, Marines, etc.)
E5	CORE	Maintain cross-domain solutions (e.g., Radiant Mercury, NOVA, etc.)
E7	CORE	Maintain Information Systems (IS) (e.g., Program of Record (POR), authorized, system backups, etc.)
E4	CORE	Maintain network cabling

NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Maintain network documentation (e.g., System Operational Verification Testing (SOVT), Interactive Electronic Technical Manual (IETM), Hosted Application and Connected Systems Implementation Manual (HACSIM), etc.)
E5	CORE	Manage collaboration software (e.g., Secure Video Teleconference (SVTC), Video Teleconference (VTC), TEAMS, Global Video Services (GVS), etc.)
E5	CORE	Manage network monitoring software performance
E7	NON-CORE	Manage system life-cycle plans
E4	CORE	Monitor network equipment status (e.g., overheating, connectivity, usability, etc.)
E4	CORE	Perform data transfers
E4	CORE	Perform disk administration
E4	CORE	Perform File Transfer Protocol (FTP) functions
E4	CORE	Perform Information Systems (IS) equipment and media disposition requirements (e.g., destruction, disposal, transfer, etc.)
E5	CORE	Perform Internet Protocol (IP) shift
E4	CORE	Perform inventory of Information System (IS) assets
E4	CORE	Perform start-up/shut down procedures
E4	CORE	Process customer trouble calls
E7	CORE	Provide Information Systems (IS) incident details to external organizations (e.g., law enforcement personnel, Inspector General (IG), higher authority, etc.)
E4	NON-CORE	Restore computer Information Systems (IS)
E7	CORE	Supervise Internet Protocol (IP) shift
E5	CORE	Troubleshoot end-to-end communications
E4	CORE	Troubleshoot peripherals
E5	CORE	Troubleshoot Wide Area Networks (WAN) connections
E4	CORE	Troubleshoot workstation network connectivity
E4	CORE	Troubleshoot workstations
E6	CORE	Validate inventory of Information System (IS) assets
E6	CORE	Validate River City conditions on Information Systems (IS)
E7	CORE	Verify Information Systems (IS) equipment and media disposition requirements (e.g., destruction, disposal, transfer, etc.)
E4	NON-CORE	Verify network system operations

CHAPTER 67



INFORMATION SYSTEMS TECHNICIANS, SUBMARINES, ELECTRONIC WARFARE (ITE)

NAVPERS 18068F-67A
Change 102

Updated: April 2025

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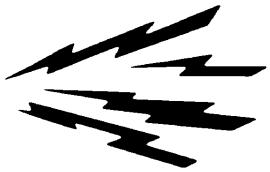
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

INFORMATION SYSTEMS TECHNICIANS, SUBMARINES, ELECTRONIC WARFARE (ITE)



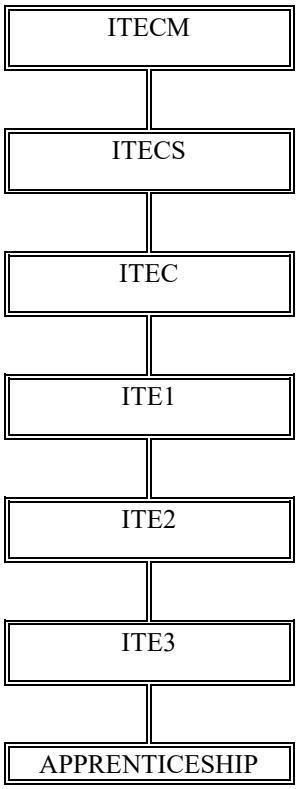
SCOPE OF RATING

Information Systems Technicians, Submarines, Electronic Warfare (ITE) operate and maintain Electronic Intelligence (ELINT)/Electronic Warfare Support (ES) receiving/processing systems and peripheral equipment to provide threat assessments, situational awareness and Indications and Warnings (I&W); aid in the safe operation of the submarine while transiting on the surface or at periscope depth; formulate ES techniques and tactics; perform installations, tests, and preventive and corrective maintenance on electrical and Electronic Warfare (EW) and ancillary systems used for communications, analysis, monitoring, tracking, recognition and identification, ES, and physical security; process and interpret Radio Detection and Ranging (RADAR) emissions for tactical and strategic value; operate, maintain, and repair complex electronic and electro-mechanical equipment; provide safety of forces, I&W, and Information Operations (IO); apply diagnostic and restoration techniques using knowledge of electronic and systems operation theory; provide technical and tactical guidance to Warfare Commanders and National consumers in support of surface, subsurface, air, and special warfare operations; prepare materials providing detailed descriptions of strategic and tactical areas worldwide; provide relevant intelligence to strategic, operational, and tactical level decision-makers; collect, analyze, exploit, and disseminate ELINT in accordance with National and Fleet tasking; advise on capabilities, limitations and equipment conditions of Command, Control, Computer, and Intelligence (C3I) systems; implement and monitor security protocols of C3I systems; implement production control procedures including input/output quality control support of C3I systems; perform organizational level maintenance and repair of C3I systems; operate, maintain, repair and manage Local Area Networks (LAN), Automated Information Systems (AIS), and local databases; operate and maintain General Purpose Test Equipment (GPTE) and auxiliary equipment; and ensure the proper security, handling, accounting, reporting, and control of Communications Security (COMSEC) materials, systems, and equipment.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 67.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Electronic Warfare Technician 002786

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Protective Service	TBD	ELECTRONIC WARFARE TECHNICIAN	EW TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ITE	NEC TXXX series and other NECs as assigned

Job Description

Electronic Warfare Technicians operate and maintain Electronic Warfare (EW) system equipment to perform advanced analysis, conduct fusion analysis of Signals of Interests (SOI) from platform emitters, and exploit SOI to identify, locate and report hazards and threat platforms; perform advanced electronic intelligence (ELINT) and communication intelligence (COMINT) analysis that include managing submarine electronic support equipment and tasking, analyzing ELINT and COMINT SOI, analyzing ELINT and COMINT using national databases, classifying platforms, and disseminating ELINT and COMINT information; provide current intelligence and knowledge of National Overhead Systems (NOS) software, databases, and platform identification on all submarine platforms while both underway and in-port for mission planning and execution; perform core and specialty functions of network administration within physical and virtual environments; troubleshoot and assist with the use of computer hardware and software including printers and software applications; conduct system backups and restores; install applications and peripherals; monitor and protect network computer systems by detecting and reporting threats of network intrusion and unauthorized access; protect information from and recover information after loss or damage using backups, virus detection, and recovery software procedures; utilize Information Assurance (IA) and Computer Network Defense (CND) programs; conduct threat and vulnerability assessments; perform network accreditations and certifications; and receive, inventory, load, and destroy Communications Security (COMSEC) material.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
ADP Computers, General	115000	Intelligence Analysts	33-3021.06	Protective Service

Skills	Abilities
Operation and Control	*Deductive Reasoning*
Management of Material Resources	*Information Ordering*
Critical Thinking	*Problem Sensitivity*
Quality Control Analysis	*Inductive Reasoning*
Monitoring	*Written Comprehension*
Operation Monitoring	*Perceptual Speed*
Equipment Maintenance	*Flexibility of Closure*
Judgment and Decision Making	*Time Sharing*
Systems Analysis	*Mathematical Reasoning*
Coordination	*Speed of Closure*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Construct Order of Battle (OOB)
E4	CORE	Determine adversary capabilities and limitations
E4	CORE	Determine Intelligence Community (IC) databases
E5	CORE	Determine jamming sources
E5	CORE	Develop Electronic Warfare Support (ES) search plans (i.e., Radio Detection and Ranging (RADAR), communications)
E5	CORE	Develop operational products based on Pattern of Life (PoL)
E5	CORE	Disseminate Electronic Warfare Support (ES) data and reports
E5	NON-CORE	Draft Naval messages
E5	CORE	Generate Requests for Information (RFI)
E5	CORE	Maintain network documentation (e.g., Systems Authorization Access Request-Navy (SAAR-N), Privileged Access Agreement (PAA), etc.)
E4	CORE	Maintain Top Secret (TS)/Sensitive Compartmented Information (SCI) accountability
E5	CORE	Prioritize mission threats
E4	CORE	Report Electromagnetic Interference (EMI)

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Report jamming sources
E5	CORE	Search Electronic Intelligence (ELINT) databases
E6	CORE	Supervise signals analysis and reporting
E5	CORE	Update computer configuration documentation (e.g., AN/BLQ-10 workstations and servers, Submarine Local Area Network (SUBLAN)/ Consolidated Afloat Network and Enterprise Services (CANES), etc.)
E6	CORE	Validate Electronic Warfare Support (ES) logs
E4	NON-CORE	Verify Emissions Control (EMCON) conditions are in effect

COMMUNICATIONS SECURITY (COMSEC)

Paygrade	Task Type	Task Statements
E4	CORE	Destroy Communication Security (COMSEC) materials
E4	CORE	Identify Communications Security (COMSEC) discrepancies
E4	CORE	Inventory Communications Security (COMSEC) materials
E4	CORE	Load Communications Security (COMSEC) equipment
E4	CORE	Load Communications Security (COMSEC) materials
E6	NON-CORE	Monitor Communications Security (COMSEC) platform security
E4	CORE	Receive Communications Security (COMSEC) materials
E4	CORE	Store Communications Security (COMSEC) material

CYBER SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Information Systems Security (ISS) requirements
E5	CORE	Evaluate system vulnerabilities (e.g., Electronic Warfare (EW), AN/BLQ-10, etc.)
E4	CORE	Maintain Information Systems Security (ISS) logs
E7	CORE	Report Information Security (INFOSEC) compliance
E4	CORE	Report Information Systems Security (ISS) incidents
E4	CORE	Report Information Systems Security (ISS) violations
E4	CORE	Report Information Systems Security (ISS) vulnerabilities
E5	NON-CORE	Update network security tools

ELECTRONIC WARFARE SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Electromagnetic (EM) spectrum
E4	CORE	Analyze national systems broadcast data (e.g., Integrated Broadcast System/Common Integrated Broadcast (IBS/CIB), etc.)
E5	CORE	Analyze operational environment for Radio Frequency (RF) systems frequency requirements
E5	CORE	Analyze Signals of Interest (SOI)
E4	CORE	Analyze signals using Electronic Warfare Support (ES) systems (e.g., Pulse Repetition Intervals (PRI), pulse width, Pulse Repetition Frequency (PRF), etc.)
E4	CORE	Assess Indication & Warning (I&W) threats
E5	CORE	Calculate Radio Detection and Ranging (RADAR) parameters (e.g., Maximum Unambiguous Ranges (MUR), minimum range, etc.)

ELECTRONIC WARFARE SYSTEMS OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Conduct Electronic Warfare Support (ES) systems operations
E5	CORE	Conduct Pattern of Life (PoL) analysis
E5	NON-CORE	Conduct Radio Frequency (RF) propagation modeling
E5	CORE	Conduct Specific Emitter Identification (SEI) collections (e.g., Unintentional Modulation on Pulse (UMOP), etc.)
E4	CORE	Configure Common Integrated Broadcast (CIB) radio receiving equipment
E4	CORE	Configure Electronic Warfare Support (ES) systems
E4	CORE	Configure software-based analysis tools
E5	CORE	Configure systems for optimal signals collection
E4	CORE	Correlate national systems data to platform
E4	CORE	Demodulate Radio Frequency (RF) signals
E4	CORE	Determine jamming sources
E4	CORE	Determine Radio Detection and Ranging (RADAR) systems capabilities
E4	CORE	Determine target source utilizing Unintentional Modulation on Pulse (UMOP)
E4	CORE	Employ cyclic routine
E5	CORE	Evaluate emitter signal quality
E5	CORE	Evaluate mission threats
E4	CORE	Identify Electromagnetic Interference (EMI)
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E5	CORE	Monitor own force for electronic emissions
E5	CORE	Perform fusion analysis
E5	CORE	Perform modulation analysis (e.g., Pulse Repetition Frequency (PRF), Amplitude Modulation on Pulse (AMOP), etc.)
E5	CORE	Perform Operational Electronic Intelligence (OPELINT) analysis (e.g., situational Awareness, etc.)
E4	CORE	Perform Pre-Planned Responses (PPR)
E4	CORE	Perform Radio Direction Findings (RDF) of Signals of Interest (SOI)
E5	CORE	Perform waveform analysis
E5	CORE	Perform wavelength to frequency conversions
E5	CORE	Predict equipment performance characteristics based on atmospheric data
E5	CORE	Provide tactical communication intercept support

EQUIPMENT MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Analyze network audit logs
E5	NON-CORE	Implement Emissions Control (EMCON)
E5	NON-CORE	Recover systems using Disaster Recovery Plan (DRP)
E5	CORE	Repair Electronic Warfare Support (ES) systems
E5	CORE	Repair mast and antenna systems

EQUIPMENT MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Review equipment status for proper operation
E5	CORE	Supervise construction of emitter libraries
E6	CORE	Supervise mast and antenna maintenance
E5	CORE	Troubleshoot Electronic Warfare Support (ES) systems
E5	NON-CORE	Troubleshoot Identification, Friend or Foe (IFF) systems
E5	CORE	Troubleshoot mast and antenna systems
E5	CORE	Validate system Radio Frequency (RF) distribution paths

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Apply Information Systems (IS) file and folder permissions
E5	CORE	Manage network databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E5	CORE	Repair databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E5	NON-CORE	Troubleshoot virtual network environments

NETWORK OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Administer computer Information System (IS) user accounts
E4	CORE	Analyze Information System (IS) trends (e.g., hardware, software, network, etc.)
E5	CORE	Troubleshoot databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E5	CORE	Verify delivered Information Systems (IS) functionality (i.e., System Operational Verification Test (SOVT))
E5	CORE	Verify delivered network components functionality (i.e., System Operational Verification Test (SOVT))
E5	CORE	Verify delivered system hardware functionality (i.e., System Operational Verification Test (SOVT))

Job Title **Job Code**

Electronic Warfare Manager 002787

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Business and Financial Operations	TBD	ELECTRONIC WARFARE MANAGER	EW MANAGER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ITE	NEC TXXX series and other NECs as assigned

Job Description

Electronic Warfare Managers assess Electronic Warfare (EW) system training, audit EW records, and coordinate EW system maintenance; coordinate EW equipment modifications; develop EW employment plans and shipboard instructions; prepare EW emergency destruction plans; supervise EW watchstanders in advanced Electronic Intelligence (ELINT) and Communication Intelligence (COMINT) analysis that include managing submarine electronic support equipment and tasking, analyzing ELINT and COMINT Signals of Interest (SOI), analyzing ELINT and COMINT using national databases, classifying platforms and disseminating ELINT and COMINT information; provide current intelligence and knowledge of National Overhead Systems (NOS) software, databases and platform identification on all submarine platforms while both underway and in-port for mission planning and execution; serve as principal advisor to the Commanding Officer in all aspects of EW, Electronic Operations (EO), Indication & Warning (I&W) Operations, EW capabilities, EW offensive and defensive tactics, EW manning concerns, training, and electromagnetic and communication spectrum management; supervise the storage, receipt, load, and destruction of Communication Security (COMSEC) material; monitor maintenance quality control; coordinate and manage unit-level Information Systems (IS) security and integration across platforms, fleets, and services; approve policies for and direct Information Assurance (IA) programs; manage and implement IS security countermeasures and network security programs; develop and review IS security assessment and authorization packages; plan and prepare for network expansions and upgrades; manage administrative functions and security procedures governing the special security program; serve as unit Information Systems Security Manager (ISSM) or unit Systems Administrator (SYSADMIN).

DoD Relationship

Group Title	*DoD Code*
ADP Computers, General	115000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Management Analysts	13-1111.00	Business and Financial Operations

Skills	Abilities
Management of Material Resources	*Deductive Reasoning*
Operation and Control	*Information Ordering*
Critical Thinking	*Problem Sensitivity*
Quality Control Analysis	*Written Comprehension*
Coordination	*Inductive Reasoning*
Judgment and Decision Making	*Perceptual Speed*
Monitoring	*Flexibility of Closure*
Systems Evaluation	*Time Sharing*
Operation Monitoring	*Written Expression*
Systems Analysis	*Speed of Closure*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	NON-CORE	Approve Information Systems (IS) Standard Operating Procedures (SOP)
E5	CORE	Construct Order of Battle (OOB)
E6	CORE	Coordinate Electronic Warfare (EW) test range runs
E6	CORE	Coordinate System Operation Verification Testing (SOVT)
E4	CORE	Determine adversary capabilities and limitations
E4	CORE	Determine Intelligence Community (IC) databases
E5	CORE	Determine jamming sources
E7	CORE	Develop Electronic Warfare (EW) tactics
E5	CORE	Develop Electronic Warfare Support (ES) search plans (i.e., Radio Detection and Ranging (RADAR), communications)
E7	NON-CORE	Develop joint service Electronic Warfare (EW) plans
E5	CORE	Develop operational products based on Pattern of Life (PoL)
E5	CORE	Disseminate Electronic Warfare Support (ES) data and reports

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Draft Naval messages
E6	CORE	Evaluate Electronic Warfare (EW) Measures of Effectiveness (MOE)
E5	CORE	Generate Requests for Information (RFI)
E6	NON-CORE	Interpret test and evaluation range results
E6	NON-CORE	Maintain Information Systems Security (ISS) assessment and authorization documentation
E5	CORE	Maintain network documentation (e.g., Systems Authorization Access Request-Navy (SAAR-N), Privileged Access Agreement (PAA), etc.)
E4	CORE	Maintain Top Secret (TS)/Sensitive Compartmented Information (SCI) accountability
E5	CORE	Prioritize mission threats
E4	CORE	Report Electromagnetic Interference (EMI)
E4	CORE	Report jamming sources
E5	CORE	Search Electronic Intelligence (ELINT) databases
E6	CORE	Supervise Pre-Planned Responses (PPR) executions
E6	CORE	Supervise signals analysis and reporting
E5	CORE	Update computer configuration documentation (e.g., AN/BLQ-10 workstations and servers, Submarine Local Area Network (SUBLAN)/ Consolidated Afloat Network and Enterprise Services (CANES), etc.)
E6	CORE	Validate Electronic Warfare Support (ES) logs
E4	NON-CORE	Verify Emissions Control (EMCON) conditions are in effect

COMMUNICATIONS SECURITY (COMSEC)

Paygrade	Task Type	Task Statements
E4	CORE	Destroy Communication Security (COMSEC) materials
E4	CORE	Identify Communications Security (COMSEC) discrepancies
E4	CORE	Inventory Communications Security (COMSEC) materials
E4	CORE	Load Communications Security (COMSEC) equipment
E4	CORE	Load Communications Security (COMSEC) materials
E6	NON-CORE	Monitor Communications Security (COMSEC) platform security
E4	CORE	Receive Communications Security (COMSEC) materials
E4	CORE	Store Communications Security (COMSEC) material

CYBER SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Information Systems Security (ISS) requirements
E6	NON-CORE	Evaluate Information Systems Security (ISS) incidents
E6	NON-CORE	Evaluate Information Systems Security (ISS) violations
E6	NON-CORE	Evaluate Information Systems Security (ISS) vulnerabilities
E5	CORE	Evaluate system vulnerabilities (e.g., Electronic Warfare (EW), AN/BLQ-10, etc.)
E7	NON-CORE	Implement Information Systems Security (ISS) directives (e.g., policies, plans, instructions, Standard Operating Procedures (SOP), etc.)
E4	CORE	Maintain Information Systems Security (ISS) logs
E7	NON-CORE	Manage Information Security (INFOSEC) system programs

CYBER SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Report Information Security (INFOSEC) compliance
E4	CORE	Report Information Systems Security (ISS) incidents
E4	CORE	Report Information Systems Security (ISS) violations
E4	CORE	Report Information Systems Security (ISS) vulnerabilities
E5	NON-CORE	Update network security tools

ELECTRONIC WARFARE SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Electromagnetic (EM) spectrum
E4	CORE	Analyze national systems broadcast data (e.g., Integrated Broadcast System/Common Integrated Broadcast (IBS/CIB), etc.)
E5	CORE	Analyze operational environment for Radio Frequency (RF) systems frequency requirements
E5	CORE	Analyze Signals of Interest (SOI)
E4	CORE	Analyze signals using Electronic Warfare Support (ES) systems (e.g., Pulse Repetition Intervals (PRI), pulse width, Pulse Repetition Frequency (PRF), etc.)
E4	CORE	Assess Indication & Warning (I&W) threats
E5	CORE	Calculate Radio Detection and Ranging (RADAR) parameters (e.g., Maximum Unambiguous Ranges (MUR), minimum range, etc.)
E4	CORE	Conduct Electronic Warfare Support (ES) systems operations
E5	CORE	Conduct Pattern of Life (PoL) analysis
E5	NON-CORE	Conduct Radio Frequency (RF) propagation modeling
E5	CORE	Conduct Specific Emitter Identification (SEI) collections (e.g., Unintentional Modulation on Pulse (UMOP), etc.)
E4	CORE	Configure Common Integrated Broadcast (CIB) radio receiving equipment
E4	CORE	Configure Electronic Warfare Support (ES) systems
E4	CORE	Configure software-based analysis tools
E5	CORE	Configure systems for optimal signals collection
E4	CORE	Correlate national systems data to platform
E4	CORE	Demodulate Radio Frequency (RF) signals
E4	CORE	Determine jamming sources
E4	CORE	Determine Radio Detection and Ranging (RADAR) systems capabilities
E4	CORE	Determine target source utilizing Unintentional Modulation on Pulse (UMOP)
E6	NON-CORE	Develop Embedded Training Device (ETD) scenarios
E4	CORE	Employ cyclic routine
E5	CORE	Evaluate emitter signal quality
E5	CORE	Evaluate mission threats
E4	CORE	Identify Electromagnetic Interference (EMI)
E6	CORE	Manage Electronic Warfare (EW) operations
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E5	CORE	Monitor own force for electronic emissions
E5	CORE	Perform fusion analysis

ELECTRONIC WARFARE SYSTEMS OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Perform modulation analysis (e.g., Pulse Repetition Frequency (PRF), Amplitude Modulation on Pulse (AMOP), etc.)
E5	CORE	Perform Operational Electronic Intelligence (OPELINT) analysis (e.g., situational Awareness, etc.)
E4	CORE	Perform Pre-Planned Responses (PPR)
E4	CORE	Perform Radio Direction Findings (RDF) of Signals of Interest (SOI)
E5	CORE	Perform waveform analysis
E5	CORE	Perform wavelength to frequency conversions
E5	CORE	Predict equipment performance characteristics based on atmospheric data
E5	CORE	Provide tactical communication intercept support
E6	NON-CORE	Validate Embedded Training Device (ETD) scenarios

EQUIPMENT MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Analyze network audit logs
E6	CORE	Coordinate Electronic Warfare (EW) equipment installation
E6	CORE	Coordinate Electronic Warfare (EW) equipment removal
E5	NON-CORE	Implement Emissions Control (EMCON)
E5	NON-CORE	Recover systems using Disaster Recovery Plan (DRP)
E5	CORE	Repair Electronic Warfare Support (ES) systems
E5	CORE	Repair mast and antenna systems
E4	CORE	Review equipment status for proper operation
E5	CORE	Supervise construction of emitter libraries
E6	CORE	Supervise mast and antenna maintenance
E5	CORE	Troubleshoot Electronic Warfare Support (ES) systems
E5	NON-CORE	Troubleshoot Identification, Friend or Foe (IFF) systems
E5	CORE	Troubleshoot mast and antenna systems
E6	CORE	Validate mission plans
E5	CORE	Validate system Radio Frequency (RF) distribution paths

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Apply Information Systems (IS) file and folder permissions
E6	NON-CORE	Coordinate catastrophic disaster recoveries
E5	CORE	Manage network databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E6	CORE	Plan network restorations
E5	CORE	Repair databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E5	NON-CORE	Troubleshoot virtual network environments

NETWORK OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Administer computer Information System (IS) user accounts
E4	CORE	Analyze Information System (IS) trends (e.g., hardware, software, network, etc.)

NETWORK OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Troubleshoot databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E5	CORE	Verify delivered Information Systems (IS) functionality (i.e., System Operational Verification Test (SOVT))
E5	CORE	Verify delivered network components functionality (i.e., System Operational Verification Test (SOVT))
E5	CORE	Verify delivered system hardware functionality (i.e., System Operational Verification Test (SOVT))

Job Title **Job Code**

Electronic Warfare Specialist 002792

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Architecture and Engineering	TBD	ELECTRONIC WARFARE SPECIALIST	EW SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ITE	NEC TXXX series and other NECs as assigned

Job Description

Electronic Warfare Specialists operate Electronic Warfare (EW) system equipment to perform basic analysis and exploit Signals of Interest (SOI) to identify, locate and report hazards and threat platforms; perform core and specialty functions of network administration within physical and virtual environments; troubleshoot and assist with the use of computer hardware and software including printers and software applications; conduct system backups and restores; install applications and peripherals; monitor and protect network computer systems by detecting and reporting threats of network intrusion and unauthorized access; protect information from and recover information after loss or damage using backups, virus detection, and recovery software procedures; utilize Information Assurance (IA) and Computer Network Defense (CND) programs; perform network accreditations and certifications; and receive, inventory, load, and destroy Communications Security (COMSEC) material.

DoD Relationship

Group Title	*DoD Code*
ADP Computers, General	115000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Electro-Mechanical and Mechatronics Technologists and Technicians	17-3024.00	Architecture and Engineering

Skills	Abilities
Operation and Control	*Deductive Reasoning*
Management of Material Resources	*Information Ordering*
Critical Thinking	*Inductive Reasoning*
Quality Control Analysis	*Problem Sensitivity*
Monitoring	*Written Comprehension*
Operation Monitoring	*Perceptual Speed*
Coordination	*Time Sharing*
Complex Problem Solving	*Flexibility of Closure*
Mathematics	*Speed of Closure*
Reading Comprehension	*Mathematical Reasoning*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Determine adversary capabilities and limitations
E4	CORE	Determine Intelligence Community (IC) databases
E5	CORE	Disseminate Electronic Warfare Support (ES) data and reports
E5	CORE	Maintain network documentation (e.g., Systems Authorization Access Request-Navy (SAAR-N), Privileged Access Agreement (PAA), etc.)
E4	CORE	Report Electromagnetic Interference (EMI)
E4	NON-CORE	Verify Emissions Control (EMCON) conditions are in effect

COMMUNICATIONS SECURITY (COMSEC)

Paygrade	Task Type	Task Statements
E4	CORE	Destroy Communication Security (COMSEC) materials
E4	CORE	Identify Communications Security (COMSEC) discrepancies
E4	CORE	Inventory Communications Security (COMSEC) materials
E4	CORE	Load Communications Security (COMSEC) equipment
E4	CORE	Load Communications Security (COMSEC) materials
E6	NON-CORE	Monitor Communications Security (COMSEC) platform security

COMMUNICATIONS SECURITY (COMSEC) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Receive Communications Security (COMSEC) materials
E4	CORE	Store Communications Security (COMSEC) material

CYBER SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Information Systems Security (ISS) requirements
E4	CORE	Maintain Information Systems Security (ISS) logs
E4	CORE	Report Information Systems Security (ISS) incidents
E4	CORE	Report Information Systems Security (ISS) violations
E4	CORE	Report Information Systems Security (ISS) vulnerabilities
E5	NON-CORE	Update network security tools

ELECTRONIC WARFARE SYSTEMS OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Electromagnetic (EM) spectrum
E4	CORE	Analyze national systems broadcast data (e.g., Integrated Broadcast System/Common Integrated Broadcast (IBS/CIB), etc.)
E5	CORE	Analyze operational environment for Radio Frequency (RF) systems frequency requirements
E5	CORE	Analyze Signals of Interest (SOI)
E4	CORE	Analyze signals using Electronic Warfare Support (ES) systems (e.g., Pulse Repetition Intervals (PRI), pulse width, Pulse Repetition Frequency (PRF), etc.)
E4	CORE	Assess Indication & Warning (I&W) threats
E5	CORE	Calculate Radio Detection and Ranging (RADAR) parameters (e.g., Maximum Unambiguous Ranges (MUR), minimum range, etc.)
E4	CORE	Conduct Electronic Warfare Support (ES) systems operations
E4	CORE	Configure Common Integrated Broadcast (CIB) radio receiving equipment
E4	CORE	Configure Electronic Warfare Support (ES) systems
E4	CORE	Configure software-based analysis tools
E4	CORE	Correlate national systems data to platform
E4	CORE	Demodulate Radio Frequency (RF) signals
E4	CORE	Determine jamming sources
E4	CORE	Determine Radio Detection and Ranging (RADAR) systems capabilities
E4	CORE	Determine target source utilizing Unintentional Modulation on Pulse (UMOP)
E4	CORE	Employ cyclic routine
E5	CORE	Evaluate emitter signal quality
E5	CORE	Evaluate mission threats
E4	CORE	Identify Electromagnetic Interference (EMI)
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E5	CORE	Monitor own force for electronic emissions
E5	CORE	Perform fusion analysis
E5	CORE	Perform modulation analysis (e.g., Pulse Repetition Frequency (PRF), Amplitude Modulation on Pulse (AMOP), etc.)

ELECTRONIC WARFARE SYSTEMS OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Perform Operational Electronic Intelligence (OPELINT) analysis (e.g., situational Awareness, etc.)
E4	CORE	Perform Pre-Planned Responses (PPR)
E4	CORE	Perform Radio Direction Findings (RDF) of Signals of Interest (SOI)
E5	CORE	Perform waveform analysis
E5	CORE	Perform wavelength to frequency conversions

EQUIPMENT MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Analyze network audit logs
E5	NON-CORE	Implement Emissions Control (EMCON)
E4	CORE	Review equipment status for proper operation

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Apply Information Systems (IS) file and folder permissions

NETWORK OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Administer computer Information System (IS) user accounts
E4	CORE	Analyze Information System (IS) trends (e.g., hardware, software, network, etc.)
E5	CORE	Verify delivered Information Systems (IS) functionality (i.e., System Operational Verification Test (SOVT))
E5	CORE	Verify delivered network components functionality (i.e., System Operational Verification Test (SOVT))
E5	CORE	Verify delivered system hardware functionality (i.e., System Operational Verification Test (SOVT))

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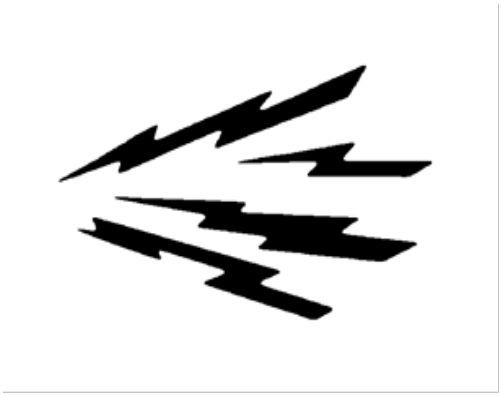

INFORMATION SYSTEMS TECHNICIANS, SUBMARINES, NETWORK (ITN)

NAVPERS 18068F-67A
Change 102

Updated: April 2025

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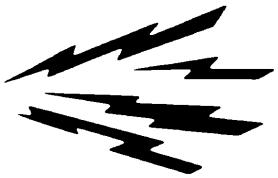
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

INFORMATION SYSTEMS TECHNICIANS, SUBMARINES, NETWORK (ITN)



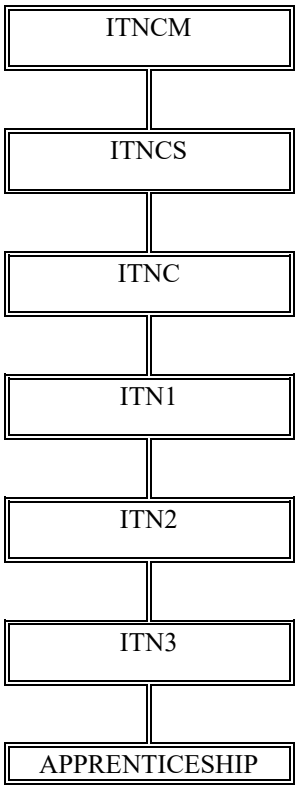
SCOPE OF RATING

Information System Technicians, Submarines, Network (ITN) perform core and specialty functions in network administration, cybersecurity, and Information Technology (IT) operations; secure, defend, and preserve data, networks, and net-centric capabilities; build, configure, deploy, operate, and maintain IT networks and capabilities; troubleshoot and assist with the use of computer hardware, software, printers, and peripherals; implement security controls and defensive countermeasures; monitor and protect network computer systems, and handle threat and vulnerability assessments; conduct system backups and restores; train end-users on new technologies and systems, and perform network accreditations and certifications; manage unit-level Information Systems Security (ISS) and integration across platforms, fleets, and services; operate and maintain General Purpose Test Equipment (GPTE) and auxiliary equipment; ensure quality control, and develop strategic plans to define long-term goals and objectives.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 67.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Information Technology Network (ITN) Specialist 002836

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	IT NETWORK SPECIALIST	IT NET SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ITN	NEC TXXX series and other NECs as assigned

Job Description

Information Technology Network (ITN) Specialists perform core and specialty functions of network administration within physical and virtual environments; troubleshoot and assist with the use of computer hardware and software including printers and software applications; conduct system backups and restores; install applications and peripherals; monitor and protect network computer systems by detecting and reporting threats of network intrusion and unauthorized access; protect information from and recover information after loss or damage using backups, virus detection, and recovery software procedures; utilize Information Assurance (IA) and Computer Network Defense (CND) programs; conduct threat and vulnerability assessments; provide specialized technical support for network-related issues; identify and resolve complex technical problems; perform hands-on system maintenance; train end-users on new technologies and systems; and perform network accreditations and certifications.

DoD Relationship

Group Title	*DoD Code*
ADP Computers, General	115000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Communications Network Support Specialists	15-1231.00	Computer and Mathematical

Skills	Abilities
Operation and Control	*Written Comprehension*
Technology Design	*Information Ordering*
Equipment Maintenance	*Deductive Reasoning*
Repairing	*Problem Sensitivity*
Troubleshooting	*Inductive Reasoning*
Management of Material Resources	*Written Expression*
Installation	*Category Flexibility*
Systems Evaluation	*Flexibility of Closure*
Quality Control Analysis	*Originality*
Reading Comprehension	*Selective Attention*

COMMUNICATIONS SECURITY (COMSEC)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Destroy Communication Security (COMSEC) materials
E4	NON-CORE	Identify Communications Security (COMSEC) discrepancies
E4	NON-CORE	Load Communications Security (COMSEC) equipment
E4	NON-CORE	Load Communications Security (COMSEC) materials
E4	NON-CORE	Receive Communications Security (COMSEC) materials
E4	NON-CORE	Store Communications Security (COMSEC) material
E4	NON-CORE	Validate Communications Security (COMSEC) material

CYBER SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Information Systems Security (ISS) requirements
E4	CORE	Maintain Information Systems Security (ISS) logs
E4	CORE	Report Information Systems Security (ISS) incidents
E4	CORE	Report Information Systems Security (ISS) violations
E4	CORE	Report Information Systems Security (ISS) vulnerabilities
E4	CORE	Scan Information Systems (IS) for vulnerabilities
E4	CORE	Verify Information Systems Security (ISS) software programs operations

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Apply Information Systems (IS) file and folder permissions
E5	CORE	Install network components

NETWORK OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Information System (IS) trends (e.g., hardware, software, network, etc.)
E4	CORE	Analyze network audit logs
E4	CORE	Archive computer Information System (IS) logs
E4	CORE	Backup Information Systems (IS)
E4	CORE	Configure anti-virus software
E4	CORE	Configure Information Systems (IS) application software
E4	CORE	Configure Information Systems (IS) network hardware
E4	CORE	Configure peripherals
E4	CORE	Configure print services
E5	CORE	Configure server Operating System (OS) software
E5	CORE	Configure server-based applications (e.g., Threat Management Gateway (TMG), eTagout, etc.)
E4	CORE	Configure software-based analysis tools
E4	CORE	Configure storage devices
E4	CORE	Configure workstation network connectivity
E4	CORE	Configure workstation Operating System (OS) software
E4	CORE	Create workstation images
E5	NON-CORE	Design intranet websites
E4	CORE	Document server Operating System (OS) errors
E4	CORE	Document trouble tickets
E5	NON-CORE	Implement Emissions Control (EMCON)
E4	CORE	Implement system vulnerability patches
E4	CORE	Install network software
E4	CORE	Install Operating Systems (OS)
E4	CORE	Install peripherals
E4	CORE	Install storage devices
E4	CORE	Inventory computer Information Systems (IS) assets
E4	CORE	Load image software
E4	CORE	Maintain domain accounts
E4	CORE	Maintain Information Systems (IS) assets
E4	NON-CORE	Maintain intranet websites
E4	CORE	Maintain network databases
E4	CORE	Maintain onboard training systems (e.g., Submarine on Board Training (SOBT), Non-Tactical Data Processing System (NOSIS), etc.)
E4	CORE	Maintain Program of Record (POR) applications (e.g., eTagout, Non-Tactical Data Processing System (NOSIS), etc.)

NETWORK OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain Virtual Private Networks (VPN)
E4	CORE	Perform system file maintenance
E4	CORE	Prepare network status reports
E4	CORE	Recover computer Information Systems (IS)
E5	CORE	Recover systems using Disaster Recovery Plan (DRP)
E4	CORE	Remove storage devices
E4	CORE	Repair client software
E4	CORE	Repair computer Information Systems (IS)
E4	NON-CORE	Repair intranet websites
E4	CORE	Repair network components (e.g., Local Area Network (LAN) cables, modules, etc.)
E4	NON-CORE	Repair peripherals
E4	CORE	Review equipment status for proper operation
E4	CORE	Shut down computer Information Systems (IS)
E4	CORE	Start up computer Information Systems (IS)
E4	CORE	Transfer files (e.g., Trivial File Transfer Protocol (TFTP), Secure Shell Protocol (SSP), etc.)
E4	CORE	Troubleshoot client applications
E4	CORE	Troubleshoot computer Information Systems (IS)
E5	CORE	Troubleshoot databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E4	CORE	Troubleshoot file and folder access problems
E4	NON-CORE	Troubleshoot intranet websites
E4	CORE	Troubleshoot network components
E4	CORE	Troubleshoot networks
E4	CORE	Troubleshoot Operating Systems (OS)
E4	CORE	Troubleshoot peripherals
E4	CORE	Troubleshoot Program of Record (POR) applications (e.g., eTagout, Non-Tactical Data Processing System (NOSIS), etc.)
E4	CORE	Troubleshoot storage devices
E4	CORE	Troubleshoot system hardware
E5	CORE	Troubleshoot virtual network environments
E4	CORE	Troubleshoot workstation network connectivity
E4	CORE	Update computer Information System (IS) anti-virus definitions
E4	CORE	Update local media and technical libraries (e.g., Submarine on Board Training (SOBT), Advanced Technical Information System (ATIS), etc.)
E5	CORE	Update network security tools
E4	CORE	Update Program of Record (POR) systems
E4	CORE	Update trouble tickets
E5	CORE	Update virtual network environments

Job Title **Job Code**

Information Technology Network (ITN) Technician 002837

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	IT NETWORK TECHNICIAN	IT NET TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ITN	NEC TXXX series and other NECs as assigned

Job Description

Information Technology Network (ITN) Technicians perform core and specialty functions of network administration within physical and virtual environments; troubleshoot and assist with the use of computer hardware and software including printers and software applications; conduct system backups and restores; install applications and peripherals; monitor and protect network computer systems by detecting and reporting threats of network intrusion and unauthorized access; protect information from and recover information after loss or damage using backups, virus detection, and recovery software procedures; utilize Information Assurance (IA) and Computer Network Defense (CND) programs; conduct threat and vulnerability assessments; configure, and maintain various network types including Local Area Network (LAN) and Wide Area Network (WAN); manage user accounts, grant network access, and monitor network activity; monitor network performance to ensure service levels and network operations efficiencies; maintain and document network configurations, setups, changes, and related processes; and perform network accreditations and certifications.

DoD Relationship

Group Title	*DoD Code*
ADP Computers, General	115000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Network and Computer Systems Administrators	15-1244.00	Computer and Mathematical

Skills	Abilities
Operation and Control	*Written Comprehension*
Technology Design	*Information Ordering*
Repairing	*Deductive Reasoning*
Equipment Maintenance	*Problem Sensitivity*
Management of Material Resources	*Inductive Reasoning*
Troubleshooting	*Written Expression*
Quality Control Analysis	*Category Flexibility*
Installation	*Flexibility of Closure*
Systems Evaluation	*Selective Attention*
Coordination	*Control Precision*

COMMUNICATIONS SECURITY (COMSEC)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Destroy Communication Security (COMSEC) materials
E4	NON-CORE	Identify Communications Security (COMSEC) discrepancies
E4	NON-CORE	Load Communications Security (COMSEC) equipment
E4	NON-CORE	Load Communications Security (COMSEC) materials
E4	NON-CORE	Receive Communications Security (COMSEC) materials
E4	NON-CORE	Store Communications Security (COMSEC) material
E4	NON-CORE	Validate Communications Security (COMSEC) material

CYBER SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Information Systems Security (ISS) requirements
E6	CORE	Draft electronic spillage response reports
E6	CORE	Draft Information Systems Security (ISS) directives (e.g., policies, plans, instructions, Standard Operating Procedures (SOP), etc.)
E4	CORE	Report Information Systems Security (ISS) incidents

CYBER SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Report Information Systems Security (ISS) violations
E4	CORE	Report Information Systems Security (ISS) vulnerabilities
E4	CORE	Verify Information Systems Security (ISS) software programs operations

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Apply Information Systems (IS) file and folder permissions
E6	CORE	Configure group policy objects
E6	CORE	Configure router Access Control Lists (ACL)
E5	CORE	Install network components
E6	CORE	Maintain domain backup policies
E5	NON-CORE	Maintain Top Secret (TS)/Sensitive Compartmented Information (SCI) inventories
E5	CORE	Manage Information System (IS) accounts
E6	CORE	Manage network databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E6	CORE	Manage network firewall policies
E5	NON-CORE	Manage test equipment
E6	CORE	Validate network status reports
E5	CORE	Verify delivered Information Systems (IS) functionality
E5	CORE	Verify delivered network components functionality
E5	CORE	Verify delivered system hardware functionality

NETWORK OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Information System (IS) trends (e.g., hardware, software, network, etc.)
E4	CORE	Analyze network audit logs
E4	CORE	Archive computer Information System (IS) logs
E4	CORE	Backup Information Systems (IS)
E4	CORE	Configure anti-virus software
E4	CORE	Configure Information Systems (IS) application software
E4	CORE	Configure Information Systems (IS) network hardware
E4	CORE	Configure print services
E5	CORE	Configure server Operating System (OS) software
E5	CORE	Configure server-based applications (e.g., Threat Management Gateway (TMG), eTagout, etc.)
E4	CORE	Configure software-based analysis tools
E4	CORE	Configure storage devices
E4	CORE	Configure workstation network connectivity
E4	CORE	Configure workstation Operating System (OS) software
E4	CORE	Create workstation images
E5	NON-CORE	Design intranet websites
E5	NON-CORE	Implement Emissions Control (EMCON)

NETWORK OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Install network software
E4	CORE	Install Operating Systems (OS)
E5	CORE	Install virtual network environments
E4	CORE	Load image software
E4	CORE	Maintain network databases
E4	CORE	Maintain onboard training systems (e.g., Submarine on Board Training (SOBT), Non-Tactical Data Processing System (NOSIS), etc.)
E4	CORE	Maintain Program of Record (POR) applications (e.g., eTagout, Non-Tactical Data Processing System (NOSIS), etc.)
E4	CORE	Recover computer Information Systems (IS)
E5	CORE	Recover systems using Disaster Recovery Plan (DRP)
E4	CORE	Repair client software
E4	CORE	Repair computer Information Systems (IS)
E5	CORE	Repair databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E4	CORE	Repair network components (e.g., Local Area Network (LAN) cables, modules, etc.)
E5	CORE	Repair Program of Record (POR) applications (e.g., eTagout, Non-Tactical Data Processing System (NOSIS), etc.)
E5	CORE	Repair virtual network environments
E4	CORE	Transfer files (e.g., Trivial File Transfer Protocol (TFTP), Secure Shell Protocol (SSP), etc.)
E4	CORE	Troubleshoot client applications
E4	CORE	Troubleshoot computer Information Systems (IS)
E5	CORE	Troubleshoot databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E4	CORE	Troubleshoot file and folder access problems
E4	CORE	Troubleshoot network components
E4	CORE	Troubleshoot networks
E4	CORE	Troubleshoot Operating Systems (OS)
E4	CORE	Troubleshoot Program of Record (POR) applications (e.g., eTagout, Non-Tactical Data Processing System (NOSIS), etc.)
E4	CORE	Troubleshoot storage devices
E4	CORE	Troubleshoot system hardware
E5	CORE	Troubleshoot virtual network environments
E4	CORE	Troubleshoot workstation network connectivity
E5	CORE	Update network security tools
E4	CORE	Update Program of Record (POR) systems
E4	CORE	Update trouble tickets
E5	CORE	Update virtual network environments

Job Title **Job Code**

Information Technology Network (ITN) Manager 002838

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	IT NETWORK MANAGER	IT NET MANAGER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ITN	NEC TXXX series and other NECs as assigned

Job Description

Information Technology Network (ITN) Managers are responsible for overseeing network operations and ensuring the quality of maintenance through effective monitoring; plan, coordinate, and manage unit-level Information Systems (IS) security and integration across platforms, fleets, and services; approve policies for and direct Information Assurance (IA) programs; manage and implement IS security countermeasures and network security programs; develop and review IS security assessment and authorization packages; plan and prepare for network expansions and upgrades and overall operations; oversee production processes to ensure efficiency; manage administrative functions and security procedures governing the special security program; serve as unit Information Systems Security Manager (ISSM) or unit Systems Administrator (SYSADMIN); ensure quality control through risk analyses and standard implementation; engage with Commanding Officers and key personnel to address operational issues and challenges; manage operational performance and evaluate team performance; and develop training plans to define long-term goals and objectives.

DoD Relationship

Group Title	*DoD Code*
ADP Computers, General	115000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Computer and Information Systems Managers	11-3021.00	Management

Skills	Abilities
Operation and Control	*Information Ordering*
Systems Evaluation	*Written Comprehension*
Technology Design	*Deductive Reasoning*
Coordination	*Inductive Reasoning*
Quality Control Analysis	*Problem Sensitivity*
Equipment Maintenance	*Written Expression*
Writing	*Flexibility of Closure*
Judgment and Decision Making	*Category Flexibility*
Management of Material Resources	*Oral Expression*
Management of Personnel Resources	*Originality*

COMMUNICATIONS SECURITY (COMSEC)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Monitor Communications Security (COMSEC) platform security

CYBER SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Information Systems Security (ISS) requirements
E6	CORE	Draft electronic spillage response reports
E6	CORE	Draft Information Systems Security (ISS) directives (e.g., policies, plans, instructions, Standard Operating Procedures (SOP), etc.)
E6	CORE	Evaluate Information Systems Security (ISS) incidents
E6	CORE	Evaluate Information Systems Security (ISS) violations
E6	CORE	Evaluate Information Systems Security (ISS) vulnerabilities
E6	CORE	Evaluate system vulnerabilities (e.g., Submarine Local Area Network (SUBLAN)/ Consolidated Afloat Network and Enterprise Services (CANES), etc.)
E7	CORE	Implement Information Systems Security (ISS) directives (e.g., policies, plans, instructions, Standard Operating Procedures (SOP), etc.)
E6	CORE	Maintain Information Systems Security (ISS) assessment and authorization documentation

CYBER SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage electronic spillage response operations
E7	CORE	Manage Information Security (INFOSEC) incident reporting processes
E7	CORE	Manage Information Security (INFOSEC) system programs
E7	CORE	Report Information Security (INFOSEC) compliance
E4	CORE	Report Information Systems Security (ISS) incidents
E4	CORE	Report Information Systems Security (ISS) violations
E4	CORE	Report Information Systems Security (ISS) vulnerabilities
E6	CORE	Update Information Systems Security (ISS) directives (e.g., policies, plans, instructions, Standard Operating Procedures (SOP), etc.)

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Apply Information Systems (IS) file and folder permissions
E7	CORE	Approve Information Systems (IS) Standard Operating Procedures (SOP)
E6	CORE	Configure group policy objects
E6	CORE	Configure router Access Control Lists (ACL)
E6	CORE	Coordinate catastrophic disaster recoveries
E7	CORE	Coordinate network migrations and installations
E6	CORE	Coordinate System Operation Verification Testing (SOVT)
E6	CORE	Maintain domain backup policies
E6	CORE	Maintain network documentation (e.g., Systems Authorization Access Request-Navy (SAAR-N), Privileged Access Agreement (PAA), etc.)
E5	CORE	Manage Information System (IS) accounts
E6	CORE	Manage Information Systems (IS) file and folder permissions
E6	CORE	Manage network databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E6	CORE	Manage network firewall policies
E6	CORE	Plan network restorations
E6	CORE	Prepare disaster recovery contingency plans
E6	CORE	Prepare system security assessment and authorization documentation packages
E6	CORE	Update computer configuration documentation
E6	CORE	Validate network status reports
E5	CORE	Verify delivered Information Systems (IS) functionality
E5	CORE	Verify delivered network components functionality
E5	CORE	Verify delivered system hardware functionality

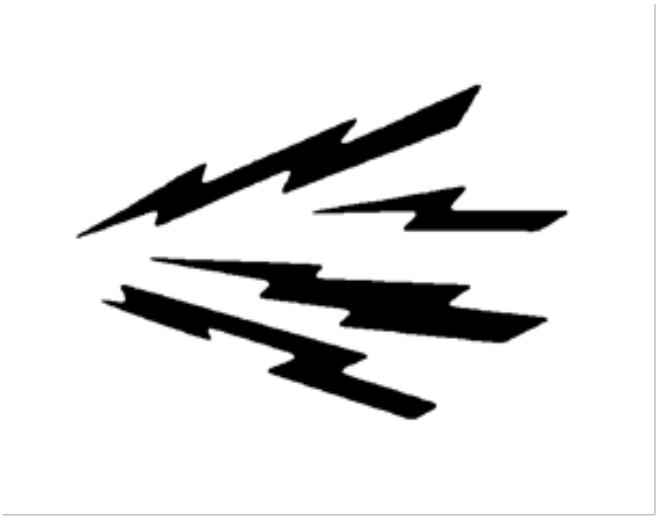
NETWORK OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Information System (IS) trends (e.g., hardware, software, network, etc.)
E4	CORE	Analyze network audit logs
E5	CORE	Configure server Operating System (OS) software
E5	CORE	Configure server-based applications (e.g., Threat Management Gateway (TMG), eTagout, etc.)

NETWORK OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Configure workstation Operating System (OS) software
E5	CORE	Install virtual network environments
E5	CORE	Recover systems using Disaster Recovery Plan (DRP)
E5	CORE	Repair databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E5	CORE	Repair Program of Record (POR) applications (e.g., eTagout, Non-Tactical Data Processing System (NOSIS), etc.)
E5	CORE	Repair virtual network environments
E4	CORE	Transfer files (e.g., Trivial File Transfer Protocol (TFTP), Secure Shell Protocol (SSP), etc.)
E4	CORE	Troubleshoot Program of Record (POR) applications (e.g., eTagout, Non-Tactical Data Processing System (NOSIS), etc.)
E4	CORE	Update Program of Record (POR) systems

CHAPTER 67



INFORMATION SYSTEMS TECHNICIANS, SUBMARINES, COMMUNICATIONS (ITR)

NAVPERS 18068F-67A
Change 102

Updated: April 2025

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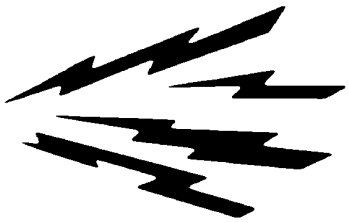
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

INFORMATION SYSTEMS TECHNICIANS, SUBMARINES, COMMUNICATIONS (ITR)



SCOPE OF RATING

Information System Technicians, Submarines, Communications (ITR) operate and maintain the equipment used for communications, cryptographic operations, and communications security; operate and maintain General Purpose Test Equipment (GPTE) and auxiliary equipment to perform assigned mission organization level maintenance and repair for Command, Control, Communications, Computers, and Intelligence (C4I) systems while standing watch on associated equipment; apply general working knowledge of electricity and electronics repair to electronics and electronic cables and connectors; localize malfunctions and repair/replace faulty parts or subassemblies; align, adjust, calibrate, and perform corrective maintenance on communications equipment; generate, transmit, and account for Naval messages; perform specialty functions on communication-based network systems; manage Common Submarine Radio Room (CSRR) routers, switches, and network equipment; assist with and operate carry-on equipment; and ensure the proper security, handling, accounting, reporting, and control of Communications Security (COMSEC) materials, systems, and equipment.

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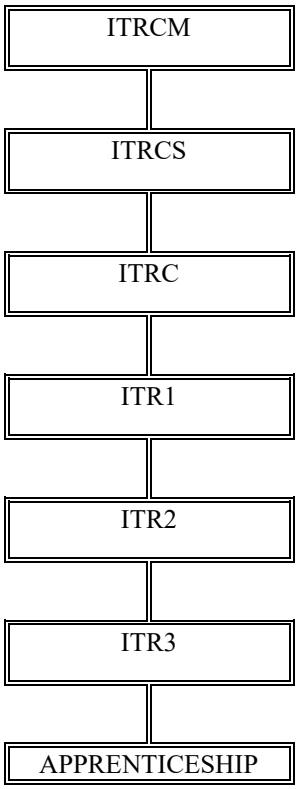
This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 67.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Communications Specialist 002789

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	COMMUNICATIONS SPECIALIST	COMMS SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ITR	NEC TXXX series and other NECs as assigned

Job Description

Communications Specialists operate and maintain Common Submarine Radio Room (CSRR) equipment for routing voice and data Internet Protocol (IP) communications to and from external sources; generate, transmit, and account for Naval messages; operate, maintain, monitor, and control Information Systems (IS) in support of the world-wide telecommunications network while standing watch on related equipment; perform core and specialty functions of network administration within physical and virtual environments; troubleshoot and assist with the use of computer hardware and software including printers and software applications; conduct system backups and restores; install applications and peripherals; monitor and protect networked computer systems by detecting and reporting threats of network intrusion and unauthorized access; protect information from and recover information after loss or damage using backups, virus detection, and recovery software procedures; maintain cybersecurity; and receive, inventory, load, and destroy Communications Security (COMSEC) material.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
ADP Computers, General	115000	Computer Network Support Specialists	15-1231.00	Computer and Mathematical

Skills	Abilities
Operation and Control	*Information Ordering*
Equipment Maintenance	*Written Comprehension*
Technology Design	*Deductive Reasoning*
Management of Material Resources	*Problem Sensitivity*
Repairing	*Inductive Reasoning*
Troubleshooting	*Written Expression*
Quality Control Analysis	*Category Flexibility*
Systems Evaluation	*Flexibility of Closure*
Installation	*Selective Attention*
Operation Monitoring	*Control Precision*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Conduct controlled evolution briefs
E4	CORE	Draft Naval messages
E4	CORE	Inventory computer Information Systems (IS) assets
E4	CORE	Inventory Top Secret (TS)/Sensitive Compartmented Information (SCI) materials
E4	CORE	Maintain General Message Files (GMF)
E6	CORE	Maintain network documentation (e.g., Systems Authorization Access Request-Navy (SAAR-N), Privileged Access Agreement (PAA), etc.)
E4	CORE	Prepare network status reports

COMMUNICATIONS SECURITY (COMSEC)

Paygrade	Task Type	Task Statements
E4	CORE	Control access to Communications Security (COMSEC) usage areas
E4	CORE	Destroy Communication Security (COMSEC) materials
E4	CORE	Identify Communications Security (COMSEC) discrepancies
E4	CORE	Inventory Communications Security (COMSEC) materials
E4	CORE	Load Communications Security (COMSEC) equipment
E4	CORE	Load Communications Security (COMSEC) materials

COMMUNICATIONS SECURITY (COMSEC) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Prepare local element Communication Security (COMSEC) reports
E4	CORE	Receive Communications Security (COMSEC) materials
E4	CORE	Store Communications Security (COMSEC) material
E4	CORE	Validate Communications Security (COMSEC) materials

COMMUNICATIONS SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze record message traffic data
E4	CORE	Communicate information on in-port circuits
E4	CORE	Communicate information using Radio Frequency (RF) systems
E4	CORE	Configure radio workstations
E4	CORE	Employ Identification, Friend or Foe (IFF) systems
E4	CORE	Establish Information Systems (IS) off-hull connectivity
E5	CORE	Implement Emissions Control (EMCON)
E4	CORE	Perform Pre-Planned Responses (PPR)
E4	CORE	Provide tactical communication support
E5	CORE	Recover systems using Disaster Recovery Plan (DRP)
E4	NON-CORE	Report Electromagnetic Interference (EMI)
E4	CORE	Review equipment status for proper operation
E4	NON-CORE	Set up Channel Service Units/Data Service Units (CSU/DSU) for Fiber Distributed Data Interface (FDDI) operations
E4	CORE	Transmit information using emergency antenna systems
E5	CORE	Troubleshoot Identification, Friend or Foe (IFF) systems
E5	CORE	Troubleshoot mast and antenna systems
E5	CORE	Troubleshoot Radio Frequency (RF)/communications systems
E4	CORE	Update Program of Record (POR) systems
E5	CORE	Validate system Radio Frequency (RF) distribution paths
E4	CORE	Verify Emissions Control (EMCON) conditions are in effect

CYBER SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Information Systems Security (ISS) requirements
E4	CORE	Configure anti-virus software
E4	CORE	Maintain Information Systems (IS) assets
E4	CORE	Maintain Information Systems Security (ISS) logs
E4	CORE	Report Information Systems Security (ISS) incidents
E4	CORE	Report Information Systems Security (ISS) violations
E4	CORE	Report Information Systems Security (ISS) vulnerabilities
E4	CORE	Scan Information Systems (IS) for vulnerabilities
E4	CORE	Update computer Information System (IS) anti-virus definitions
E5	NON-CORE	Update network security tools

EQUIPMENT MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Analyze network audit logs
E4	CORE	Archive computer Information System (IS) logs
E4	CORE	Backup Information Systems (IS)
E4	CORE	Maintain Identification, Friend or Foe (IFF) systems
E4	CORE	Maintain mast and antenna systems
E5	CORE	Maintain Radio Frequency (RF)/communications systems
E5	NON-CORE	Manage test equipment
E4	CORE	Perform system file maintenance
E4	CORE	Repair network components (e.g., Local Area Network (LAN) cables, modules, etc.)
E4	NON-CORE	Repair peripherals
E4	CORE	Troubleshoot system hardware

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Apply Information Systems (IS) file and folder permissions
E5	CORE	Configure Information Systems (IS) application software
E5	CORE	Configure server Operating System (OS) software
E4	CORE	Maintain domain system accounts
E4	NON-CORE	Maintain intranet websites
E4	CORE	Maintain network databases
E4	NON-CORE	Maintain Program of Record (POR) applications (e.g., eTagout, Non-Tactical Data Processing System (NOSIS), etc.)
E4	NON-CORE	Maintain Virtual Private Networks (VPN)
E6	CORE	Manage Information Systems (IS) file and folder permissions
E4	CORE	Repair client software
E4	CORE	Repair computer Information Systems (IS)
E4	NON-CORE	Repair intranet websites
E5	CORE	Repair virtual network environments
E5	CORE	Troubleshoot virtual network environments
E5	CORE	Update virtual network environments
E4	CORE	Verify Information Systems Security (ISS) software programs operations

NETWORK OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Administer computer Information System (IS) user accounts
E4	CORE	Analyze Information System (IS) trends (e.g., hardware, software, network, etc.)
E5	CORE	Configure Information Systems (IS) network hardware
E4	CORE	Configure peripherals
E4	CORE	Configure print services
E4	CORE	Configure software-based analysis tools
E4	CORE	Configure storage devices

NETWORK OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Configure workstation network connectivity
E4	CORE	Configure workstation Operating System (OS) software
E4	CORE	Create workstation images
E4	CORE	Document server Operating System (OS) errors
E4	NON-CORE	Implement system vulnerability patches
E5	CORE	Install network components
E5	CORE	Install network software
E5	CORE	Install Operating Systems (OS)
E4	CORE	Install peripherals
E4	CORE	Install storage devices
E5	CORE	Install virtual network environments
E4	CORE	Load image software
E4	CORE	Recover computer Information Systems (IS)
E4	CORE	Remove storage devices
E4	CORE	Shut down computer Information Systems (IS)
E4	CORE	Start up computer Information Systems (IS)
E4	CORE	Transfer files (e.g., Trivial File Transfer Protocol (TFTP), Secure Shell Protocol (SSP), etc.)
E4	CORE	Troubleshoot client applications
E4	CORE	Troubleshoot computer Information Systems (IS)
E4	CORE	Troubleshoot file and folder access problems
E4	CORE	Troubleshoot network components
E4	CORE	Troubleshoot networks
E4	CORE	Troubleshoot Operating Systems (OS)
E4	CORE	Troubleshoot peripherals
E4	CORE	Troubleshoot Program of Record (POR) applications (e.g., eTagout, Non-Tactical Data Processing System (NOSIS), etc.)
E4	CORE	Troubleshoot storage devices
E4	CORE	Troubleshoot workstation network connectivity
E5	CORE	Verify delivered Information Systems (IS) functionality
E5	CORE	Verify delivered network components functionality
E5	CORE	Verify delivered system hardware functionality

Job Title **Job Code**

Communications Technician 002790

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	COMMUNICATIONS TECHNICIAN	COMMS TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ITR	NEC TXXX series and other NECs as assigned

Job Description

Communications Technicians perform organizational level maintenance on Common Submarine Radio Room (CSRR) equipment for routing voice and data Internet Protocol (IP) communications to and from external sources; perform Information Systems (IS) administration on unit-level equipment for world-wide telecommunications networks, General Purpose Test Equipment (GPTE), and auxiliary support equipment; interpret schematics and block diagrams; apply general working knowledge of electricity and electronics in order to repair electronics and electronic cables and connectors; localize malfunctions and repairs; replace faulty parts or subassemblies; generate, transmit, and account for Naval messages; develop communication division training; coordinate and supervise communication division maintenance; collect communication equipment performance data; maintain communication division records; and receive, inventory, load, and destroy Communications Security (COMSEC) material.

DoD Relationship

Group Title	*DoD Code*
ADP Computers, General	115000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Telecommunications Engineering Specialists	15-1241.01	Computer and Mathematical

Skills	Abilities
Operation and Control	*Information Ordering*
Equipment Maintenance	*Written Comprehension*
Technology Design	*Deductive Reasoning*
Management of Material Resources	*Problem Sensitivity*
Repairing	*Inductive Reasoning*
Troubleshooting	*Written Expression*
Quality Control Analysis	*Category Flexibility*
Systems Evaluation	*Selective Attention*
Installation	*Oral Expression*
Operation Monitoring	*Flexibility of Closure*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Conduct controlled evolution briefs
E6	CORE	Coordinate System Operation Verification Testing (SOVT)
E4	CORE	Draft Naval messages
E5	CORE	Generate Requests For Information (RFI)
E4	CORE	Inventory computer Information Systems (IS) assets
E4	CORE	Inventory Top Secret (TS)/Sensitive Compartmented Information (SCI) materials
E4	CORE	Maintain General Message Files (GMF)
E6	CORE	Maintain network documentation (e.g., Systems Authorization Access Request-Navy (SAAR-N), Privileged Access Agreement (PAA), etc.)
E5	CORE	Maintain Top Secret (TS)/Sensitive Compartmented Information (SCI) inventories
E6	CORE	Prepare disaster recovery contingency plans
E4	CORE	Prepare network status reports
E6	CORE	Update computer configuration documentation

COMMUNICATIONS SECURITY (COMSEC)

Paygrade	Task Type	Task Statements
E4	CORE	Control access to Communications Security (COMSEC) usage areas

COMMUNICATIONS SECURITY (COMSEC) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Destroy Communication Security (COMSEC) materials
E6	CORE	Develop Emergency Action Plans (EAP)
E6	CORE	Develop Emergency Destruction Plans (EDP)
E4	CORE	Identify Communications Security (COMSEC) discrepancies
E4	CORE	Inventory Communications Security (COMSEC) materials
E4	CORE	Load Communications Security (COMSEC) equipment
E4	CORE	Load Communications Security (COMSEC) materials
E6	CORE	Manage Communications Security (COMSEC) training programs
E6	CORE	Manage Key Management Infrastructure (KMI) system accounts
E6	CORE	Monitor Communications Security (COMSEC) platform security
E4	CORE	Prepare local element Communication Security (COMSEC) reports
E4	CORE	Receive Communications Security (COMSEC) materials
E4	CORE	Store Communications Security (COMSEC) material
E6	CORE	Supervise Key Management Infrastructure (KMI) system users
E4	CORE	Validate Communications Security (COMSEC) materials

COMMUNICATIONS SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze record message traffic data
E4	CORE	Communicate information on in-port circuits
E4	CORE	Communicate information using Radio Frequency (RF) systems
E4	CORE	Configure radio workstations
E5	CORE	Develop communication employment plans
E4	CORE	Employ Identification, Friend or Foe (IFF) systems
E4	CORE	Establish Information Systems (IS) off-hull connectivity
E5	CORE	Implement Emissions Control (EMCON)
E4	CORE	Perform Pre-Planned Responses (PPR)
E4	CORE	Provide tactical communication support
E5	CORE	Recover systems using Disaster Recovery Plan (DRP)
E4	NON-CORE	Report Electromagnetic Interference (EMI)
E4	CORE	Review equipment status for proper operation
E4	NON-CORE	Set up Channel Service Units/Data Service Units (CSU/DSU) for Fiber Distributed Data Interface (FDDI) operations
E6	CORE	Supervise Pre-Planned Responses (PPR) executions
E4	CORE	Transmit information using emergency antenna systems
E5	CORE	Troubleshoot Identification, Friend or Foe (IFF) systems
E5	CORE	Troubleshoot mast and antenna systems
E5	CORE	Troubleshoot Radio Frequency (RF)/communications systems
E4	CORE	Update Program of Record (POR) systems
E5	CORE	Validate system Radio Frequency (RF) distribution paths
E4	CORE	Verify Emissions Control (EMCON) conditions are in effect

CYBER SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Information Systems Security (ISS) requirements
E4	CORE	Configure anti-virus software
E4	CORE	Maintain Information Systems (IS) assets
E4	CORE	Maintain Information Systems Security (ISS) logs
E6	CORE	Manage network firewall policies
E4	CORE	Report Information Systems Security (ISS) incidents
E4	CORE	Report Information Systems Security (ISS) violations
E4	CORE	Report Information Systems Security (ISS) vulnerabilities
E4	CORE	Scan Information Systems (IS) for vulnerabilities
E4	CORE	Update computer Information System (IS) anti-virus definitions
E5	NON-CORE	Update network security tools

EQUIPMENT MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Analyze network audit logs
E4	CORE	Archive computer Information System (IS) logs
E4	CORE	Backup Information Systems (IS)
E4	CORE	Maintain Identification, Friend or Foe (IFF) systems
E4	CORE	Maintain mast and antenna systems
E5	CORE	Maintain Radio Frequency (RF)/communications systems
E5	NON-CORE	Manage test equipment
E4	CORE	Perform system file maintenance
E5	CORE	Repair Identification, Friend or Foe (IFF) systems
E5	CORE	Repair mast and antenna systems
E4	CORE	Repair network components (e.g., Local Area Network (LAN) cables, modules, etc.)
E4	NON-CORE	Repair peripherals
E5	CORE	Repair Radio Frequency (RF)/communications systems
E4	CORE	Troubleshoot system hardware

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Apply Information Systems (IS) file and folder permissions
E6	CORE	Configure group policy objects
E5	CORE	Configure Information Systems (IS) application software
E6	CORE	Configure router Access Control Lists (ACL)
E5	CORE	Configure server Operating System (OS) software
E6	NON-CORE	Maintain domain backup policies
E4	CORE	Maintain domain system accounts
E4	NON-CORE	Maintain intranet websites
E4	CORE	Maintain network databases

NETWORK MANAGEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Maintain Program of Record (POR) applications (e.g., eTagout, Non-Tactical Data Processing System (NOSIS), etc.)
E4	NON-CORE	Maintain Virtual Private Networks (VPN)
E6	CORE	Manage Information Systems (IS) file and folder permissions
E6	CORE	Manage network databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E4	CORE	Repair client software
E4	CORE	Repair computer Information Systems (IS)
E5	CORE	Repair databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E4	NON-CORE	Repair intranet websites
E5	CORE	Repair virtual network environments
E5	CORE	Troubleshoot virtual network environments
E5	CORE	Update virtual network environments
E4	CORE	Verify Information Systems Security (ISS) software programs operations

NETWORK OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Administer computer Information System (IS) user accounts
E4	CORE	Analyze Information System (IS) trends (e.g., hardware, software, network, etc.)
E5	CORE	Configure Information Systems (IS) network hardware
E4	CORE	Configure peripherals
E4	CORE	Configure print services
E4	CORE	Configure software-based analysis tools
E4	CORE	Configure storage devices
E4	CORE	Configure workstation network connectivity
E4	CORE	Configure workstation Operating System (OS) software
E4	CORE	Create workstation images
E4	CORE	Document server Operating System (OS) errors
E4	NON-CORE	Implement system vulnerability patches
E5	CORE	Install network components
E5	CORE	Install network software
E5	CORE	Install Operating Systems (OS)
E4	CORE	Install peripherals
E4	CORE	Install storage devices
E5	CORE	Install virtual network environments
E4	CORE	Load image software
E4	CORE	Recover computer Information Systems (IS)
E4	CORE	Remove storage devices
E4	CORE	Shut down computer Information Systems (IS)
E4	CORE	Start up computer Information Systems (IS)
E4	CORE	Transfer files (e.g., Trivial File Transfer Protocol (TFTP), Secure Shell Protocol (SSP), etc.)

NETWORK OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot client applications
E4	CORE	Troubleshoot computer Information Systems (IS)
E5	CORE	Troubleshoot databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E4	CORE	Troubleshoot file and folder access problems
E4	CORE	Troubleshoot network components
E4	CORE	Troubleshoot networks
E4	CORE	Troubleshoot Operating Systems (OS)
E4	CORE	Troubleshoot peripherals
E4	CORE	Troubleshoot Program of Record (POR) applications (e.g., eTagout, Non-Tactical Data Processing System (NOSIS), etc.)
E4	CORE	Troubleshoot storage devices
E4	CORE	Troubleshoot workstation network connectivity
E5	CORE	Verify delivered Information Systems (IS) functionality
E5	CORE	Verify delivered network components functionality
E5	CORE	Verify delivered system hardware functionality

Job Title **Job Code**

Communications Manager 002791

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	COMMUNICATIONS MANAGER	COMMS MANAGER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	ITR	NEC TXXX series and other NECs as assigned

Job Description

Communications Managers assess communication division training, audit communication division records, and manage communication division maintenance quality control; account for all transmitted and received message traffic; review Naval correspondence; coordinate communication division equipment modifications; develop communications system employment plans and shipboard instructions; prepare Emergency Action Plans (EAP) and Emergency Destruct Plans (EDP); plan, coordinate, and manage unit-level Information Systems (IS) security and integration across platforms, fleets, and services; perform Key Management Infrastructure (KMI) Operating Account Manager (KOAM) and Communications Security (COMSEC) Account Manager (CAM) duties and responsibilities; verify communication plans; validate preventive maintenance schedules; review completed maintenance data forms; supervise the repair of electronic systems and subsystems; use accounting procedures to maintain control of inventories and work flow; estimate time and support required for repair of equipment; provide technical and supervisory liaison between work centers; and implement and administer maintenance and repair programs.

DoD Relationship

Group Title	*DoD Code*
ADP Computers, General	115000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Computer and Information Systems Managers	11-3021.00	Management

Skills	Abilities
Management of Material Resources	*Information Ordering*
Operation and Control	*Written Comprehension*
Quality Control Analysis	*Problem Sensitivity*
Reading Comprehension	*Deductive Reasoning*
Management of Personnel Resources	*Inductive Reasoning*
Systems Evaluation	*Written Expression*
Coordination	*Oral Expression*
Equipment Maintenance	*Flexibility of Closure*
Judgment and Decision Making	*Selective Attention*
Writing	*Category Flexibility*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	CORE	Approve Information Systems (IS) Standard Operating Procedures (SOP)
E4	CORE	Conduct controlled evolution briefs
E6	CORE	Coordinate System Operation Verification Testing (SOVT)
E4	CORE	Draft Naval messages
E5	CORE	Generate Requests For Information (RFI)
E4	CORE	Inventory Top Secret (TS)/Sensitive Compartmented Information (SCI) materials
E6	NON-CORE	Maintain Information Systems Security (ISS) assessment and authorization documentation
E6	CORE	Maintain network documentation (e.g., Systems Authorization Access Request-Navy (SAAR-N), Privileged Access Agreement (PAA), etc.)
E5	CORE	Maintain Top Secret (TS)/Sensitive Compartmented Information (SCI) inventories
E6	CORE	Prepare disaster recovery contingency plans
E6	CORE	Update computer configuration documentation

COMMUNICATIONS SECURITY (COMSEC)

Paygrade	Task Type	Task Statements
E4	CORE	Control access to Communications Security (COMSEC) usage areas

COMMUNICATIONS SECURITY (COMSEC) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Destroy Communication Security (COMSEC) materials
E6	CORE	Develop Emergency Action Plans (EAP)
E6	CORE	Develop Emergency Destruction Plans (EDP)
E6	CORE	Develop local Communications Security (COMSEC) handling instructions
E4	CORE	Identify Communications Security (COMSEC) discrepancies
E6	CORE	Implement Communications Security (COMSEC) changes
E4	CORE	Inventory Communications Security (COMSEC) materials
E6	CORE	Issue Communication Security (COMSEC) materials
E4	CORE	Load Communications Security (COMSEC) equipment
E4	CORE	Load Communications Security (COMSEC) materials
E6	CORE	Manage Communications Security (COMSEC) training programs
E6	CORE	Manage Key Management Infrastructure (KMI) system accounts
E6	CORE	Monitor Communications Security (COMSEC) platform security
E6	CORE	Order Communications Security (COMSEC) products
E4	CORE	Receive Communications Security (COMSEC) materials
E4	CORE	Store Communications Security (COMSEC) material
E6	CORE	Supervise Key Management Infrastructure (KMI) system users
E6	CORE	Transfer custody of Communications Security (COMSEC) materials
E6	CORE	Update Key Management Infrastructure (KMI) trouble tickets
E4	CORE	Validate Communications Security (COMSEC) materials

COMMUNICATIONS SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze record message traffic data
E5	CORE	Develop communication employment plans
E5	CORE	Implement Emissions Control (EMCON)
E4	CORE	Perform Pre-Planned Responses (PPR)
E4	CORE	Provide tactical communication support
E5	CORE	Recover systems using Disaster Recovery Plan (DRP)
E4	NON-CORE	Report Electromagnetic Interference (EMI)
E4	CORE	Review equipment status for proper operation
E6	CORE	Supervise Pre-Planned Responses (PPR) executions
E4	CORE	Verify Emissions Control (EMCON) conditions are in effect

CYBER SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Information Systems Security (ISS) requirements
E6	CORE	Evaluate Information Systems Security (ISS) incidents
E6	CORE	Evaluate Information Systems Security (ISS) violations
E6	CORE	Evaluate Information Systems Security (ISS) vulnerabilities

CYBER SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Evaluate system vulnerabilities (e.g., network managers, various enclaves of Unclass, Top Secret, SCI, etc.)
E7	CORE	Implement Information Systems Security (ISS) directives (e.g., policies, plans, instructions, Standard Operating Procedures (SOP), etc.)
E4	CORE	Maintain Information Systems (IS) assets
E7	CORE	Manage Information Security (INFOSEC) system programs
E6	CORE	Manage network firewall policies
E7	CORE	Report Information Security (INFOSEC) compliance
E4	CORE	Report Information Systems Security (ISS) incidents
E4	CORE	Report Information Systems Security (ISS) violations
E4	CORE	Report Information Systems Security (ISS) vulnerabilities
E4	CORE	Update computer Information System (IS) anti-virus definitions
E5	NON-CORE	Update network security tools

EQUIPMENT MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Analyze network audit logs
E6	CORE	Supervise mast and antenna maintenance

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Configure group policy objects
E6	CORE	Configure router Access Control Lists (ACL)
E6	CORE	Coordinate catastrophic disaster recoveries
E7	CORE	Coordinate network migrations and installations
E6	NON-CORE	Maintain domain backup policies
E4	CORE	Maintain domain system accounts
E4	NON-CORE	Maintain Virtual Private Networks (VPN)
E6	CORE	Manage network databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E6	CORE	Plan network restorations
E5	CORE	Repair databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E4	CORE	Verify Information Systems Security (ISS) software programs operations

NETWORK OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Administer computer Information System (IS) user accounts
E4	CORE	Analyze Information System (IS) trends (e.g., hardware, software, network, etc.)
E6	CORE	Document Key Management Infrastructure (KMI) trouble tickets
E5	CORE	Troubleshoot databases (e.g., SQL, Oracle, Microsoft (MS) Access, etc.)
E5	CORE	Verify delivered Information Systems (IS) functionality
E5	CORE	Verify delivered network components functionality
E5	CORE	Verify delivered system hardware functionality

CHAPTER 68

RELIGIOUS PROGRAM SPECIALIST
(RP)

NAVPERS 18068F-68E
Change 107

Updated: July 2026

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NAVY ENLISTED OCCUPATIONAL STANDARDS

FOR

RELIGIOUS PROGRAM SPECIALIST (RP)

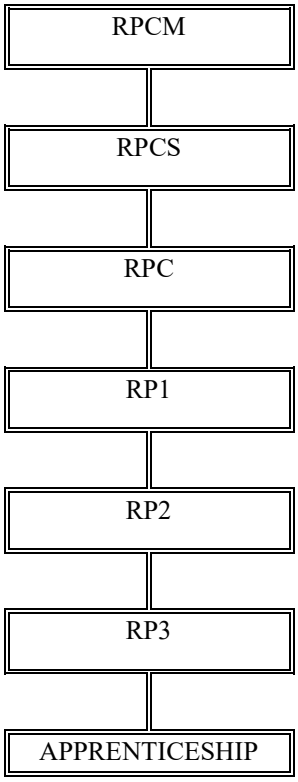
SCOPE OF RATING

Religious Program Specialists (RP) serve with Navy, Marine Corps, and Joint Services ashore and afloat; operate in pluralistic environments while safeguarding religious freedom and implementing Professional Naval Chaplaincy (PNC); support chaplains by applying program management principles to plan, coordinate, and execute the Command Religious Program (CRP) strengthening Spiritual Readiness (SR); deliver resilience and life-skills training; perform administrative, financial, and contracting functions to enable effective ministry support; assess and advise leadership on effectiveness and responsiveness of Command Religious Program (CRP) to meet the needs of warfighters and their families; implement and support force protection measures for Religious Ministry Teams (RMT) operating in expeditionary and combat environments.

These Occupational Standards are to be incorporated as Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 68.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Religious Program Specialist 001710

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Office and Administrative Support	TBD	RELIGIOUS PROGRAM SPECIALIST	RP SPECIALIST

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	RP	NEC AXXX series and other NECs as assigned.

Job Description

Religious Program Specialists serve with Navy, Marine Corps, and Joint Services ashore and afloat; contribute to the Command Religious Program (CRP) by assisting in the delivery of Religious Ministry (RM), consistent with the principles of Professional Naval Chaplaincy (PNC) that contribute to the Spiritual Readiness (SR) of warfighters and their families; perform under the direct or indirect supervision of chaplains to assist in the provision and facilitation of RM; support the delivery of resilience and life-skills training; assist in CRP execution by collecting data, coordinating logistics, and supporting research tasks; advise chaplains on observed morale and religious needs; perform administrative and supply functions for the CRP, including tracking supplies, maintaining records, and supporting routine purchasing and logistics in coordination with chaplains, Religious Program Senior Supervisors, and Religious Program Supervisors; and provide basic technical support for force protection requirements of Religious Ministry Teams (RMT) operating in expeditionary and combat environments.

DoD Relationship

Group Title	*DoD Code*
Chaplain's Assistants	156100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Office and Administrative Support Workers	43-1011.00	Office and Administrative Support

Skills	Abilities
Coordination	*Deductive Reasoning*
Critical Thinking	*Problem Sensitivity*
Management of Material Resources	*Inductive Reasoning*
Writing	*Oral Expression*
Monitoring	*Category Flexibility*
Quality Control Analysis	*Written Expression*
Service Orientation	*Information Ordering*
Speaking	*Written Comprehension*
Judgment and Decision Making	*Number Facility*
Equipment Maintenance	*Oral Comprehension*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Collect Command Religious Program (CRP) data
E4	CORE	Compile Command Religious Program (CRP) data
E4	NON-CORE	Document detainee and Prisoner of War (POW) Religious Ministry (RM) support requirements
E4	CORE	Document evacuee, expellee, migrant, refugee, and displaced persons Religious Ministry (RM) support requirements
E4	CORE	Document Religious Ministry (RM) delivered to casualties
E4	CORE	Draft Command Religious Program (CRP) informational materials (e.g., worship bulletins, workshops information, religious education, etc.)
E4	CORE	Maintain Command Religious Program (CRP) tickler systems
E4	NON-CORE	Maintain compliant document control procedures
E4	CORE	Organize Religious Education (RE) programs and events (e.g., support, enrollment, etc.)
E4	CORE	Prepare Command Religious Program (CRP) correspondence
E4	CORE	Prepare Command Religious Program (CRP) religious documents (e.g., baptismal certificates, wedding certificates, confirmation documents, etc.)
E4	CORE	Prepare Command Religious Program (CRP) rosters and schedules

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Process Command Religious Program (CRP) correspondence
E4	CORE	Protect written and verbal confidential information
E4	CORE	Schedule pastoral care visits (e.g., brig, hospital, daily binnacle, etc.)
E4	NON-CORE	Troubleshoot audio and visual equipment (e.g., projector, sound system, laptops, etc.)

COMMUNICATION

Paygrade	Task Type	Task Statements
E4	CORE	Publish Command Religious Program (CRP) services and events
E4	CORE	Relay confidential communications policies to authorized users
E4	CORE	Report combat and operational stress-related reactions to chaplains

MANAGING PEOPLE

Paygrade	Task Type	Task Statements
E4	CORE	Coordinate religious lay leader training on Command Religious Program (CRP) policy and procedures
E4	CORE	Determine the need for volunteers to support the Command Religious Program (CRP)

QUALITY IMPROVEMENT

Paygrade	Task Type	Task Statements
E4	NON-CORE	Assist in Religious Ministry Team (RMT) combat and operational readiness inspections
E4	CORE	Collect metrics to gauge the effectiveness of the Command Religious Program (CRP)
E4	CORE	Configure audio and visual equipment (e.g., projector, sound system, laptops, etc.)
E4	CORE	Validate Spiritual Readiness (SR) engagement, confidential counseling, and program data
E4	CORE	Verify Command Religious Program (CRP) request forms meet criteria/format (e.g., chapel usage, chaplain, officiant, etc.)

SERVICE FOCUS

Paygrade	Task Type	Task Statements
E4	CORE	Advise authorized users on religious ceremony requirements (e.g., wedding, baptisms, funerals, memorial services, etc.)
E4	CORE	Advise chaplains in the conduct of memorial service honors
E4	CORE	Advise chaplains on morale, well-being, and Quality of Life (QOL)
E4	CORE	Advise personnel on religious observances
E4	CORE	Assess referral requirements (e.g., chaplain, ombudsman, Fleet and Family Support Center (FFSC), etc.)
E4	CORE	Conduct Religious Needs Assessments (RNA)
E4	CORE	Gauge levels of Spiritual Readiness (SR) through deckplate engagements
E4	CORE	Identify combat and operational stress-related reactions
E4	NON-CORE	Identify operational stress factors (e.g., high Operational Tempo (OPTEMPO), command climate, family, etc.)
E4	CORE	Manage Command Religious Program (CRP) resource sharing operations (e.g., wine custody transfers, chaplain kits, religious gear, etc.)

SERVICE FOCUS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Religious Ministry (RM) triage in crisis situations (e.g., mishap, death, traumatic event, etc.)
E4	CORE	Provide customer service
E4	CORE	Provide information on local resources and schedules to authorized users
E4	CORE	Support Command Religious Program (CRP) services and programs (e.g., divine worship, lay-led programs, Religious Education (RE), etc.)
E4	CORE	Triage confidential referrals to chaplains (e.g., counseling, American Red Cross (ARC), medical, etc.)

STEWARDSHIP AND MANAGING RESOURCES

Paygrade	Task Type	Task Statements
E4	CORE	Collect local resources and schedules information to make referrals
E4	NON-CORE	Draft supply requests to meet geographic commander requirements
E4	CORE	Identify consumable and non-consumable supply needs of Command Religious Program (CRP)
E4	CORE	Implement Command Religious Program (CRP) budget spending plans
E4	CORE	Implement Religious Organizations (RO) procedures for disposal of religious items
E4	CORE	Inventory Command Religious Program (CRP) controlled equipage (e.g., chapel furniture, grand pianos, pipe organs, etc.)
E4	CORE	Maintain command alcohol programs (e.g., alcohol usage log, alcohol inventory, security control measures, etc.)
E4	CORE	Maintain Command Religious Program (CRP) facilities and spaces
E4	CORE	Maintain Command Religious Program (CRP) inventories (e.g., equipment, consumables, non-consumables, etc.)
E4	CORE	Maintain Command Religious Program (CRP) religious gear (e.g., vestments, furniture, etc.)
E4	CORE	Maintain operational religious gear (e.g., chaplain kits, mount-out boxes, etc.)
E4	CORE	Maintain Religious Education (RE) resources
E4	CORE	Maintain Religious Offering Fund (ROF) account (e.g., faith group collection, reconciliations, disbursement, safeguard money, etc.)
E4	CORE	Provide resources to religious lay leaders

STRATEGIC PLANNING

Paygrade	Task Type	Task Statements
E4	CORE	Implement Command Religious Program (CRP) crisis response plans
E4	CORE	Research Religious Organizations (RO) or Non-Federal Entities (NFE) to meet identified religious needs
E4	CORE	Research upcoming religious, humanitarian, and cultural events

Job Title **Job Code**

Religious Program Supervisor 001715

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Office and Administrative Support	TBD	RELIGIOUS PROGRAM SUPERV	RP SUP

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	RP	NEC AXXX series and other NECs as assigned.

Job Description

Religious Program Supervisors serve with Navy, Marine Corps, and Joint Services ashore and afloat; schedule and oversee Command Religious Program (CRP) activities to support Spiritual Readiness (SR) and Professional Naval Chaplaincy (PNC); coordinate the provision and facilitation of Religious Ministry (RM) and provide life-skills and resilience training; support the care of personnel and their families; advise chaplains and command leadership on morale and the planning and execution of religious programs; conduct needs assessments; supervise CRP data collection; collect and analyze CRP data to improve program delivery; manage administrative, financial, and supply functions for the CRP; initiate and coordinate routine contracting support; and provide technical expertise on force protection requirements for Religious Ministry Teams (RMT) operating in expeditionary and combat environments. May be assigned independent of a chaplain.

DoD Relationship

Group Title	*DoD Code*
Chaplain's Assistants	156100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Executive Secretaries and Executive Administrative Assistants	43-6011.00	Office and Administrative Support

Skills	Abilities
Coordination	*Deductive Reasoning*
Critical Thinking	*Inductive Reasoning*
Management of Material Resources	*Information Ordering*
Quality Control Analysis	*Problem Sensitivity*
Monitoring	*Oral Expression*
Speaking	*Written Comprehension*
Judgment and Decision Making	*Mathematical Reasoning*
Operation and Control	*Category Flexibility*
Writing	*Originality*
Management of Financial Resources	*Written Expression*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Create Command Religious Program (CRP) tickler systems
E5	CORE	Design Command Religious Program (CRP) audio-visual multi-media presentations
E5	CORE	Manage confidential communications practices within the Command Religious Program (CRP)
E5	CORE	Organize religious lay leader programs
E5	CORE	Prepare Command Religious Program (CRP) facilities schedules
E5	CORE	Process administrative requirements establishing Religious Organizations (RO) or Non-Federal Entities (NFE) partnerships
E5	CORE	Process Command Religious Program (CRP) request forms (e.g., chapel usage, chaplain, officiant, etc.)
E5	CORE	Schedule Command Religious Program (CRP) controlled equipage maintenance (e.g., grand pianos, pipe organs, etc.)
E5	CORE	Validate Command Religious Program (CRP) administrative requirements (e.g., Command Religious Program (CRP) volunteer status, religious lay leader appointments, etc.)
E5	CORE	Verify Command Religious Program (CRP) financial documents
E5	CORE	Verify Command Religious Program (CRP) rosters and schedules

COMMUNICATION

Paygrade	Task Type	Task Statements
E5	CORE	Implement Command Religious Program (CRP) media presence (e.g., social media)

MANAGING PEOPLE

Paygrade	Task Type	Task Statements
E5	CORE	Advise chain of command on volunteers and requirements
E5	CORE	Conduct Command Religious Program (CRP) personnel training (e.g., Professional Naval Chaplaincy (PNC) competencies and standards, office procedures, advising the command, etc.)
E5	CORE	Organize Command Religious Program (CRP) volunteer and outreach programs
E5	CORE	Screen Religious Ministry (RM) volunteer applications

QUALITY IMPROVEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Analyze Command Religious Program (CRP) Religious Needs Assessments (RNA) data
E5	CORE	Analyze data to identify key trends and insights related to personnel needs and Command Religious Program (CRP) effectiveness
E5	CORE	Develop analytical tools to identify Spiritual Readiness (SR) gaps
E5	CORE	Draft Religious Ministry (RM) After Action Reports (AAR) and lessons learned
E5	CORE	Evaluate the effectiveness of the Command Religious Program (CRP) using program metrics
E5	CORE	Verify Command Religious Program (CRP) informational materials (e.g., worship bulletins, workshops information, religious education, etc.)
E5	CORE	Verify Religious Offering Fund (ROF) account (e.g., training, faith group collection, reconciliations, disbursement, etc.)

SERVICE FOCUS

Paygrade	Task Type	Task Statements
E5	CORE	Advise chaplains on combat and operational stress-related reactions
E5	NON-CORE	Advise personnel on conscientious objection requirements
E5	CORE	Advise personnel on Religious Ministry (RM) accommodation request process
E5	CORE	Conduct command burials at sea
E5	CORE	Verify Command Religious Program (CRP) religious documents (e.g., baptismal certificates, wedding certificates, confirmation documents, etc.)

STEWARDSHIP AND MANAGING RESOURCES

Paygrade	Task Type	Task Statements
E5	CORE	Inspect Command Religious Program (CRP) religious items inventories (e.g., vestments, altars, menorahs, etc.)
E5	CORE	Manage Command Religious Program (CRP) facilities and spaces
E5	CORE	Manage Command Religious Program (CRP) supply expenditures
E5	CORE	Manage Religious Education (RE) programs and events
E5	CORE	Prepare Command Religious Program (CRP) budget spending plans
E5	CORE	Procure Command Religious Program (CRP) consumables and non-consumables
E5	NON-CORE	Support Humanitarian Assistance (HA) supply distributions with local organizations

STEWARDSHIP AND MANAGING RESOURCES (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Verify command alcohol programs (e.g., alcohol usage log, alcohol inventory, security control measures, etc.)

STRATEGIC PLANNING

Paygrade	Task Type	Task Statements
E5	CORE	Advise chain of command on Command Religious Program (CRP)
E5	CORE	Coordinate upcoming religious, humanitarian, and cultural events and materials
E5	CORE	Establish liaison with local civilian religious agencies and organizations
E5	CORE	Integrate Spiritual Readiness (SR) principles and guidelines into programs for resilience, readiness, and toughness within commands
E5	CORE	Plan Religious Ministry (RM) support efforts with medical personnel during mass casualty events
E5	CORE	Prepare Command Religious Program (CRP) crisis response plans
E5	NON-CORE	Prepare for Religious Ministry Team (RMT) combat and operational readiness inspections
E5	CORE	Research religious culture in Area of Operations (AO) for command leadership advisement

Job Title **Job Code**

Religious Program Senior Supervisor 002785

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Business and Financial Operations	TBD	RELIGIOUS PROGRAM SEN SUPERV	RP SEN SUP

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	RP	NEC AXXX series and other NECs as assigned.

Job Description

Religious Program Senior Supervisors serve with Navy, Marine Corps, and Joint Services ashore and afloat; direct and oversee local and subordinate Command Religious Program (CRP) to support Spiritual Readiness (SR) and Professional Naval Chaplaincy (PNC); supervise and facilitate the provision of Religious Ministry (RM); provide life-skills and resilience training; support the care of service members and their families; lead, mentor, and develop Religious Ministry Team (RMT) members; coach subordinate RMTs on use of existing administrative processes; advise chaplains and command leadership on morale, religious needs, and CRP execution; lead CRP assessments to identify systemic gaps, improve subordinate RMT performance, and meet evolving mission requirements; oversee CRP financial operations; supervise purchasing, manage contracts, and coordinate with supply and comptroller offices; and provide technical expertise on force protection requirements in expeditionary and combat environments.

DoD Relationship

Group Title	*DoD Code*
Chaplain's Assistants	156100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Management Analysts	13-1111.00	Business and Financial Operations

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Complex Problem Solving	*Oral Expression*
Instructing	*Inductive Reasoning*
Management of Personnel Resources	*Written Expression*
Speaking	*Problem Sensitivity*
Coordination	*Written Comprehension*
Judgment and Decision Making	*Fluency of Ideas*
Operation and Control	*Originality*
Writing	*Flexibility of Closure*
Management of Material Resources	*Speed of Closure*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate command burial at sea ceremonies and administration
E6	CORE	Direct Religious Education (RE) program operations
E6	CORE	Draft Command Religious Program (CRP) contracting documents (e.g., market research, Statements of Work (SOW), Performance of Work Statements (PWS), etc.)
E6	CORE	Draft Position Descriptions (PD) for civilian Command Religious Program (CRP) staff
E7	CORE	Generate Religious Ministry (RM) Request for Forces (RFF)
E7	NON-CORE	Reconcile Navy Activity Manning Document (AMD) discrepancies
E6	CORE	Update Position Descriptions (PD) for civilian Command Religious Program (CRP) staff
E6	CORE	Verify Command Religious Program (CRP) contracts and invoices
E6	CORE	Verify Command Religious Program (CRP) tickler systems
E7	CORE	Write Religious Ministry (RM) Master Scenario Event List (MSEL) exercise Injects

COMMUNICATION

Paygrade	Task Type	Task Statements
E6	CORE	Advise command leadership on confidential communications policies
E7	CORE	Advise command leadership on policies regarding burials at sea
E6	CORE	Brief chain of command on observed Command Religious Program (CRP) statistical trends
E6	CORE	Brief command leadership on complex information through data storytelling
E7	CORE	Brief host nation coordination plans to command leadership (e.g., joint training, Religious Ministry (RM) support, cooperative solutions, etc.)
E7	CORE	Communicate the vision of Spiritual Readiness (SR) as it aligns with organizational goals
E7	CORE	Deliver platform level assessments of Spiritual Readiness (SR)
E7	CORE	Prepare Religious Ministry (RM) Flag Officer/General Officer briefs

MANAGING PEOPLE

Paygrade	Task Type	Task Statements
E7	NON-CORE	Coordinate Religious Ministry Team (RMT) reserve mobilizations
E6	CORE	Direct Command Religious Program (CRP) volunteers
E6	CORE	Interview Religious Program Specialist (RP) applicants
E6	CORE	Prepare Religious Ministry (RM) volunteer scopes of responsibilities and descriptions of duties
E7	CORE	Supervise Command Religious Program (CRP) personnel training (e.g., Professional Naval Chaplaincy (PNC) competencies and standards, office procedures, advising the command, etc.)

QUALITY IMPROVEMENT

Paygrade	Task Type	Task Statements
E7	CORE	Assess Religious Ministry (RM) Master Scenario Event List (MSEL) exercise Injects
E6	CORE	Assess the effectiveness of the Command Religious Program (CRP) using program metrics across similar platforms
E6	CORE	Audit command alcohol programs for administrative compliance
E6	NON-CORE	Conduct Religious Ministry Team (RMT) combat and operational readiness inspections
E7	CORE	Derive content insights from Artificial Intelligence (AI) and Machine Learning (ML) platforms
E6	CORE	Evaluate Command Religious Program (CRP) personnel training (e.g., Professional Naval Chaplaincy (PNC) competencies and standards, office procedures, advising the command, etc.)
E7	CORE	Evaluate evacuee, expellee, migrant, refugee, and displaced persons Religious Ministry (RM) support operations
E7	CORE	Evaluate Religious Ministry (RM) data and information in computer-based analysis systems (e.g., Joint Lessons Learned Information System (JLLIS), Navy Lessons Learned Information System (NLLIS), etc.)
E7	NON-CORE	Evaluate Religious Ministry Team (RMT) combat and operational readiness inspection results
E7	CORE	Validate Command Religious Program (CRP) crisis response plans

QUALITY IMPROVEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Validate the effectiveness of the Command Religious Program (CRP) using program metrics across similar platforms
E6	CORE	Verify Command Religious Program (CRP) audio-visual multi-media presentations
E6	CORE	Verify Religious Ministry (RM) After Action Reports (AAR) and lessons learned

SERVICE FOCUS

Paygrade	Task Type	Task Statements
E6	CORE	Facilitate resolutions for needs identified in Religious Needs Assessments (RNA) data
E7	CORE	Supervise combat and operational stress related resilience programs

STEWARDSHIP AND MANAGING RESOURCES

Paygrade	Task Type	Task Statements
E6	CORE	Analyze data using emerging data analytics platforms
E6	CORE	Prepare Command Religious Program (CRP) budget requirements proposals
E7	CORE	Supervise command alcohol programs for compliance with local policy
E6	CORE	Supervise Command Religious Program (CRP) services and programs (e.g., divine worship, lay-led programs, Religious Education (RE), etc.)
E6	CORE	Supervise Religious Offering Fund (ROF) account sustainment (e.g., audits, command advisement, local policy compliance, etc.)
E6	CORE	Supervise the upkeep of Command Religious Program (CRP) facilities and spaces
E6	CORE	Validate Command Religious Program (CRP) inventories (e.g., equipment, consumables, non-consumables, etc.)

STRATEGIC PLANNING

Paygrade	Task Type	Task Statements
E7	CORE	Advise chain of command on Religious Ministry (RM) capability to meet Request for Forces (RFF)
E6	CORE	Advise chaplains on Command Religious Program (CRP) operational requirements
E6	CORE	Advise command leadership in the conduct of memorial service honors
E7	CORE	Advise command leadership on appropriate culture and religious factors as they relate to operations
E7	CORE	Advise command leadership on connecting mission with Spiritual Readiness (SR) initiatives
E6	CORE	Advise command leadership on religious accommodation requests
E6	CORE	Advise command leadership on Religious Ministry (RM) doctrine and policy
E6	CORE	Advise command leadership on religious observances requirements
E7	CORE	Advise command leadership on Religious Organizations (RO) or Non-Federal Entities (NFE) partnerships
E6	CORE	Align subordinate Religious Ministry Team (RMT) Spiritual Readiness (SR) efforts to organizational goals
E7	CORE	Assess Religious Ministry (RM) Request for Forces (RFF)
E7	CORE	Coordinate Religious Ministry (RM) plans with Non-Governmental Organizations (NGO), private volunteer organizations, and faith-based organizations
E6	CORE	Create Command Religious Program (CRP) crisis response plans
E6	CORE	Determine Command Religious Program (CRP) operational requirements

STRATEGIC PLANNING (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Develop Religious Ministry (RM) support plans to ensure faith group coverage for free exercise of religion
E7	CORE	Direct the Command Religious Program (CRP) data strategies for analytics
E6	CORE	Establish partnership with Religious Organizations (RO) or Non-Federal Entities (NFE)
E7	CORE	Establish priorities and standards for data collection and analysis
E7	CORE	Forecast Command Religious Program (CRP) budgets
E7	CORE	Forecast renovations of Command Religious Program (CRP) facilities and spaces
E6	CORE	Implement combat and operational stress related resilience programs
E6	CORE	Interpret complex datasets to advise command with actionable recommendations for improving Spiritual Readiness (SR)
E6	CORE	Organize evacuee, expellee, migrant, refugee, and displaced persons Religious Ministry (RM) support operations
E7	CORE	Perform Religious Key Leader Engagements (R-KLE)
E7	CORE	Plan host nation coordination (e.g., joint training, Religious Ministry (RM) support, Religious Key Leader Engagement (R-KLE), etc.)
E7	NON-CORE	Plan Religious Ministry (RM) support for contingency operations
E7	CORE	Prepare Operational Orders (OPORD) (e.g., warning, fragmentation, Marine Corps Five (5) Paragraph Order, etc.)
E7	CORE	Prepare Religious Ministry (RM) annexes to Operational Plans (OPLAN)
E6	CORE	Prepare Religious Ministry (RM) plans with Non-Governmental Organizations (NGO), private volunteer organizations, and faith-based organizations
E7	CORE	Prepare Religious Ministry Team (RMT) force laydown
E6	CORE	Update Command Religious Program (CRP) crisis response plans

CHAPTER 69

RETAIL SERVICES SPECIALIST
(RS)

NAVPERS 18068F-69G
Change 105

Updated: January 2026

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

RETAIL SERVICES SPECIALIST (RS)

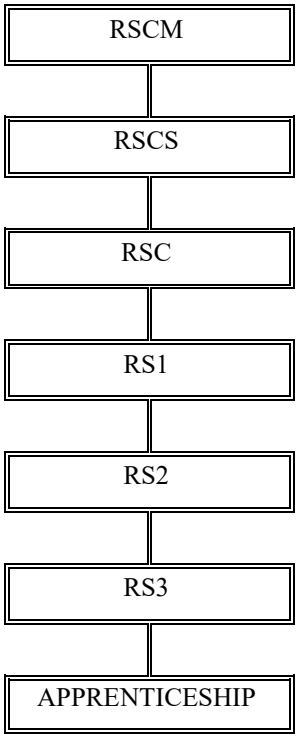
SCOPE OF RATING

Retail Services Specialists (RS) provide direct personal services by operating and managing retail and service activities to include: ship's stores, coffee bars, vending and Electronic Point of Sale (EPOS) machines, shipboard barbershops, laundry operations, postal services, and hotel services; and manage administrative and automated stock control functions for all activities operated.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 69.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Retail Operator

Job Code

001727

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Sales and Related	TBD	RETAIL OPERATOR	RETAIL OPER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	RS	NEC 7XXX and SXXX series and other NECs as assigned

Job Description

Retail Operators manage all shipboard retail activities; maintain vending and Electronic Point of Sale (EPOS) machines; operate ship's stores; receive, check, store, and inventory merchandise and materials; track items entering or leaving the storeroom and report damaged or spoiled goods; sustain material condition of storerooms; process orders, receipts, inventory adjustments, etc.; use financial and inventory software applications; develop marketing strategies for ship's stores; oversee sales and service operations; ensure cleanliness is maintained in all ship's store spaces; and provide quality customer service.

DoD Relationship

Group Title	*DoD Code*
Sales Store	182300

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Retail Sales Workers	41-1011.00	Sales and Related

Skills	Abilities
Management of Financial Resources	*Written Comprehension*
Management of Material Resources	*Deductive Reasoning*
Monitoring	*Inductive Reasoning*
Coordination	*Selective Attention*
Judgment and Decision Making	*Information Ordering*
Operation and Control	*Manual Dexterity*
Operations Analysis	*Visualization*
Systems Evaluation	*Written Expression*
Equipment Maintenance	*Number Facility*
Mathematics	*Problem Sensitivity*

GENERAL OPERATING PROCEDURES

Paygrade	Task Type	Task Statements
E6	CORE	Analyze customer survey data
E6	CORE	Analyze outgoing financial report data
E7	CORE	Assess retail and service operations
E6	CORE	Conduct material stowage inspections (e.g., secure for sea, deck grating, etc.)
E6	CORE	Conduct product and service Quality Assurance (QA)
E7	CORE	Coordinate retail and service systems updates
E7	CORE	Coordinate retail, postal, and service visits and training events
E6	CORE	Coordinate sanitation inspections with medical
E4	CORE	Determine operational conditions of retail, postal, and services machines and equipment
E6	CORE	Develop operational budgets (i.e., loadout plans)
E4	CORE	Display product prices
E7	CORE	Enforce retail, service, and postal policies and procedures (e.g., Standard Operating Procedures (SOP), publications, etc.)
E7	CORE	Enforce security procedure compliance for retail and postal activity spaces, merchandise, and funds
E7	CORE	Evaluate customer service
E7	CORE	Forecast retail, postal, and service operational needs (e.g., parts, supplies, etc.)
E6	CORE	Inspect retail and services work spaces

GENERAL OPERATING PROCEDURES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain key control logs
E7	CORE	Manage job completion of retail, postal, and services managers
E6	CORE	Manage retail and services stock items
E6	CORE	Manage retail, service, and postal policies and procedures (e.g., Standard Operating Procedures (SOP), publications, etc.)
E4	CORE	Organize retail and services storerooms
E4	CORE	Provide customer service
E6	CORE	Provide technical guidance and support to services and ship's stores afloat
E5	CORE	Replace Point of Sale (POS) equipment and components
E4	CORE	Report insect and pest infestations
E6	CORE	Resolve customer complaints
E4	CORE	Sanitize deep sinks
E4	CORE	Stow merchandise and supplies
E5	NON-CORE	Submit open purchase requests
E6	CORE	Survey crew to identify desired merchandise and services
E4	CORE	Transport materials to storerooms and activities
E7	CORE	Validate Coordinated Shipboard Allowance Lists (COSAL)
E6	CORE	Validate key control logs
E7	CORE	Validate operational budgets (i.e., loadout plans)
E6	CORE	Verify locally-generated logs (e.g., barbershop logs, key control logs, purchase order logs, etc.)
E6	CORE	Verify Point of Sale (POS) equipment and component replacements

RETAIL OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Accept change funds from disbursing
E4	CORE	Accept change funds in retail outlets
E5	CORE	Analyze retail and sale profit margins
E6	CORE	Analyze Retail Operations Management (ROM) data
E6	CORE	Analyze stock sales for trends
E7	CORE	Approve regular orders and special orders for retail merchandise
E4	CORE	Arrange retail merchandise items
E4	CORE	Arrange visual merchandise displays
E5	CORE	Assemble retained returns
E6	CORE	Audit receipt and expenditure documents
E6	CORE	Audit retained returns
E6	CORE	Audit the verifications and updates of Universal Product Codes (UPC)
E5	CORE	Balance cash collected from retail outlets
E4	CORE	Close register sessions
E5	CORE	Collect cash from retail outlets
E5	CORE	Conduct end of month closeouts

RETAIL OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Conduct physical merchandise inventories (i.e., spot, random, and full)
E5	CORE	Conduct special sales events (e.g., hangar bay sales, pier sales, etc.)
E5	CORE	Conduct storeroom validity checks
E6	CORE	Coordinate logistical support for retail operations (i.e., ship's store merchandise)
E7	CORE	Coordinate special sales events (e.g., hangar bay sales, pier sales, etc.)
E5	CORE	Count cash collected from retail outlets
E4	NON-CORE	Create new menu items (i.e., coffee bar)
E5	CORE	Deposit cash collected from retail outlets
E5	CORE	Determine authorized inventory levels
E7	CORE	Determine markdown prices
E5	CORE	Enter retail information (e.g., inventory, breakouts, receipts, etc.) into Retail Operations Management (ROM) systems
E5	CORE	Generate returned merchandise documentation (i.e., credit memorandums) Implement
E7	CORE	emergency fall back procedures for retail
E5	CORE	Initiate intra-store transfer documentation (i.e., breakout requirements)
E7	CORE	Investigate Electronic Point of Sale (EPOS) or Non-Electronic Point of Sale (Non-EPOS) overages and shortages
E7	CORE	Issue electronic payment system refund vouchers
E5	CORE	Maintain car seal, expenditure, requisition, and purchase order logs
E5	CORE	Maintain cash logs (i.e., Cash Register Record (NAVSUP Form 469) and Cash Receipt Book (NAVSUP Form 470))
E4	CORE	Maintain retail and policy signage
E5	CORE	Maintain retail financial reports
E5	CORE	Maintain stock record cards (e.g., item retail price, cost price, quantity, locations, etc.)
E5	CORE	Make future stock recommendations
E7	CORE	Manage cost control cards (e.g., coffee bar)
E5	CORE	Manage logistical support for retail operations (e.g., ship's store merchandise)
E7	CORE	Manage Retail Operations Management (ROM) system assignments
E4	CORE	Open register sessions
E5	CORE	Organize ship's store files
E4	CORE	Perform Electronic Point of Sale (EPOS) end of day procedures
E4	CORE	Perform Electronic Point of Sale (EPOS) transactions
E4	CORE	Perform Non-Electronic Point of Sale (Non-EPOS) end of day procedures
E4	CORE	Perform preventive maintenance on vending machines
E4	CORE	Perform price validity checks
E7	CORE	Prepare assumed liabilities estimates and projections (e.g., surveys, markdowns, etc.)
E4	CORE	Prepare beverages (e.g., standard recipes, special orders, etc.)
E4	CORE	Prepare intra-store transfer documentation (i.e., breakout requirements)
E5	CORE	Prepare public vouchers for purchases and services other than personal
E5	CORE	Prepare regular orders and special orders for retail merchandise

RETAIL OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Prepare requisition and invoice/shipping documents (i.e., Other Supply Officers (OSO) and issues to other appropriations)
E4	CORE	Prepare storeroom layouts
E5	CORE	Prepare surveys for lost or damaged merchandise (i.e., Financial Liability Investigation of Property Loss (DD FORM 200))
E4	CORE	Receive retail merchandise from vendors
E4	CORE	Receive storeroom stock
E5	CORE	Reconcile funds received (e.g., contributions, rebates, etc.)
E5	CORE	Reconcile unmatched expenditure listings
E5	CORE	Replace Card Accepting Devices (CAD)
E5	CORE	Replace vending machines and components
E4	CORE	Replenish ship's store merchandise
E4	CORE	Replenish vending machines
E5	CORE	Report Electronic Point of Sale (EPOS) or Non-Electronic Point of Sale (Non-EPOS) overages and shortages
E6	CORE	Report financial differences for retail operations
E4	CORE	Report lost or damaged merchandise
E5	CORE	Retain daily electronic payment system transaction reports
E5	CORE	Return merchandise to vendor
E4	CORE	Rotate ship's store stock
E4	CORE	Rotate storeroom stock
E4	NON-CORE	Sanitize beverage machines (i.e., coffee machines)
E4	CORE	Sanitize beverage preparation areas
E4	CORE	Sanitize beverage service areas
E4	CORE	Sanitize refrigerated spaces
E4	CORE	Sanitize storerooms
E4	CORE	Sanitize utensils
E4	CORE	Sanitize vending machines and components
E4	CORE	Secure Group III spaces and merchandise (e.g., ship's store, storeroom, vending, etc.)
E5	CORE	Submit Continuous Monitoring Program (CMP) reports
E5	CORE	Submit electronic payment system trouble calls
E5	CORE	Submit Navy Electronic Commerce Online (NECO) system procurement orders
E5	CORE	Submit Retail Operations Management (ROM) system trouble calls
E5	CORE	Submit retail service requests (i.e., vending machine repair)
E5	CORE	Update Universal Product Codes (UPC)
E7	CORE	Validate cash logs (i.e., Cash Register Record (NAVSUP Form 469) and Cash Receipt Book (NAVSUP Form 470))
E7	CORE	Validate electronic payment system and Retail Operations Management (ROM) cash reports (e.g., Navy Cash, Eagle Cash, etc.)
E7	CORE	Validate reconciliations of funds received (e.g., contributions, rebates, etc.)

RETAIL OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Validate surveys for lost or damaged merchandise (i.e., Financial Liability Investigation of Property Loss (DD FORM 200))
E6	CORE	Verify Card Accepting Device (CAD) replacements
E7	CORE	Verify cash collected from retail outlets
E6	CORE	Verify completion of storeroom validity checks
E6	CORE	Verify end of month closeouts
E5	CORE	Verify price validity checks
E6	CORE	Verify public vouchers for purchases and services other than personal
E6	CORE	Verify regular orders and special orders for retail merchandise
E6	CORE	Verify requisition and invoice/shipping documents (i.e., Other Supply Officers (OSO) and issues to other appropriations)
E6	CORE	Verify retail and sale profit margins
E6	CORE	Verify retail service requests (i.e., vending machine repair)
E6	CORE	Verify returned merchandise documentation (i.e., credit memorandums)
E6	CORE	Verify stock record cards (e.g., item retail price, cost price, quantity, locations, etc.)
E4	CORE	Verify Universal Product Codes (UPC)
E6	CORE	Verify unmatched expenditure listing reconciliations

Job Title

Laundry Operator

Job Code

001732

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	LAUNDRY OPERATOR	LAUNDRY OPER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	RS	NEC 7XXX and SXXX series and other NECs as assigned

Job Description

Laundry Operators receive, process, and issue shipboard laundry; operate washing machines to clean shipboard linen and uniform articles; maintain sanitation requirements; conduct and manage hotel services; and provide quality customer service.

DoD Relationship

Group Title	*DoD Code*
Laundry and Personnel Service, General	184000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Laundry and Dry-Cleaning Workers	51-6011.00	Production

Skills	Abilities
Coordination	*Written Comprehension*
Management of Material Resources	*Inductive Reasoning*
Quality Control Analysis	*Deductive Reasoning*
Monitoring	*Oral Expression*
Time Management	*Problem Sensitivity*
Judgment and Decision Making	*Spatial Orientation*
Service Orientation	*Written Expression*
Operation and Control	*Information Ordering*
Equipment Maintenance	*Selective Attention*
Management of Personnel Resources	*Static Strength*

GENERAL OPERATING PROCEDURES

Paygrade	Task Type	Task Statements
E6	CORE	Analyze customer survey data
E7	CORE	Assess retail and service operations
E6	CORE	Conduct material stowage inspections (e.g., secure for sea, deck grating, etc.)
E6	CORE	Conduct product and service Quality Assurance (QA)
E7	CORE	Coordinate retail and service systems updates
E7	CORE	Coordinate retail, postal, and service visits and training events
E6	CORE	Coordinate sanitation inspections with medical
E4	CORE	Determine operational conditions of retail, postal, and services machines and equipment
E6	CORE	Develop operational budgets (i.e., loadout plans)
E7	CORE	Enforce retail, service, and postal policies and procedures (e.g., Standard Operating Procedures (SOP), publications, etc.)
E7	CORE	Enforce security procedure compliance for service activity spaces
E7	CORE	Evaluate customer service
E7	CORE	Forecast retail, postal, and service operational needs (e.g., parts, supplies, etc.)
E6	CORE	Inspect retail and services work spaces
E4	CORE	Maintain key control logs
E7	CORE	Manage job completion of retail, postal, and services managers
E6	CORE	Manage retail and services stock items
E6	CORE	Manage retail, service, and postal policies and procedures (e.g., Standard Operating Procedures (SOP), publications, etc.)

GENERAL OPERATING PROCEDURES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Organize retail and services storerooms
E4	CORE	Provide customer service
E6	CORE	Provide technical guidance and support to services and ship's stores afloat
E4	CORE	Report insect and pest infestations
E6	CORE	Resolve customer complaints
E4	CORE	Sanitize deep sinks
E4	CORE	Secure Group IV spaces
E4	CORE	Stow merchandise and supplies
E5	NON-CORE	Submit open purchase requests
E6	CORE	Survey crew to identify desired merchandise and services
E4	CORE	Transport materials to storerooms and activities
E7	CORE	Validate Coordinated Shipboard Allowance Lists (COSAL)
E6	CORE	Validate key control logs
E7	CORE	Validate operational budgets (i.e., loadout plans)
E6	CORE	Verify locally-generated logs (e.g., barbershop logs, key control logs, purchase order logs, etc.)

HOTEL SERVICES

Paygrade	Task Type	Task Statements
E7	NON-CORE	Approve stateroom, barracks room, and key card assignments
E6	NON-CORE	Assign staterooms, barracks rooms, and key cards
E4	NON-CORE	Clean staterooms
E4	NON-CORE	Collect processed laundry
E4	NON-CORE	Collect soiled laundry
E5	NON-CORE	Conduct furniture inventories
E6	NON-CORE	Conduct stateroom and barracks room vacancy inspections
E6	NON-CORE	Coordinate logistical support for hotel services
E4	NON-CORE	Deliver processed laundry
E4	NON-CORE	Drop off soiled laundry
E5	NON-CORE	Inspect occupied barracks rooms
E5	NON-CORE	Inventory Very Important Person (VIP) stateroom and barracks consumables (e.g., sheets, robes, towels, etc.)
E4	CORE	Maintain hotel service and policy signage
E7	NON-CORE	Maintain hotel service key control
E4	NON-CORE	Maintain hotel services files
E6	NON-CORE	Maintain stateroom and key card assignment logs
E6	NON-CORE	Manage front desk operations
E7	NON-CORE	Manage hotel services administrative staff (e.g., civilian, military, etc.)
E7	NON-CORE	Manage hotel services maintenance personnel
E6	NON-CORE	Manage housekeeping personnel
E5	NON-CORE	Manage logistical support for hotel services

HOTEL SERVICES (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Manage occupied barracks rooms inspections
E7	NON-CORE	Manage phased replacement programs
E7	NON-CORE	Manage stateroom and barracks room vacancy inspections
E4	NON-CORE	Perform preventive maintenance on linen lockers
E5	NON-CORE	Requisition consumables
E5	NON-CORE	Supervise front desk operations
E6	NON-CORE	Supervise hotel services administrative staff (e.g., civilian, military, etc.)
E6	NON-CORE	Supervise hotel services maintenance personnel
E5	NON-CORE	Supervise housekeeping personnel
E6	NON-CORE	Supervise maintenance and upkeep of barracks grounds (e.g., common areas, parking lots, laundry facilities, etc.)
E6	NON-CORE	Verify furniture inventories
E6	NON-CORE	Verify Very Important Person (VIP) stateroom and barracks consumables (e.g., sheets, robes, towels, etc.)

LAUNDRY SERVICES

Paygrade	Task Type	Task Statements
E7	CORE	Approve laundry supply requests
E4	CORE	Classify laundry items
E4	NON-CORE	Clean ducts and vents
E4	CORE	Clean primary and secondary lint traps
E6	CORE	Coordinate logistical support for laundry operations (e.g., parts, supplies, washers, contract work, etc.)
E4	CORE	Document receipt of laundry
E5	NON-CORE	Inspect ducts and vents
E5	CORE	Investigate lost or damaged laundry
E4	CORE	Issue processed laundry items
E4	CORE	Maintain laundry logs (e.g., bulk, press deck, heat stress, maintenance, etc.)
E4	CORE	Maintain laundry service and policy signage (e.g., Safety Data Sheets (SDS), sanitation, etc.)
E5	CORE	Manage logistical support for laundry operations (e.g., parts, supplies, washers, contract work, etc.)
E4	CORE	Prepare laundry supply requests
E6	CORE	Process laundry claims
E4	CORE	Process ship's laundry (e.g., wash, dry, press, etc.)
E4	CORE	Receive laundry supplies
E6	CORE	Recommend laundry schedules
E4	CORE	Replace laundry press pads and covers
E5	CORE	Submit laundry supply requests
E7	CORE	Validate laundry claims
E7	CORE	Validate laundry logs (e.g., bulk, press deck, heat stress, maintenance, etc.)

LAUNDRY SERVICES (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Validate laundry schedules
E4	NON-CORE	Verify pickup and delivery of Very Important Person (VIP) laundry

Job Title

Barber

Job Code

001737

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Personal Care and Service	TBD	BARBER	BARBER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	RS	NEC 7XXX and SXXX series and other NECs as assigned

Job Description

Barbers provide military regulation haircuts and cosmetology services; maintain sanitation requirements; conduct and manage hotel services; and provide quality customer service.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Laundry and Personal Service, General	184000	Barbers	39-5011.00	Personal Care and Service

Skills	Abilities
Coordination	*Deductive Reasoning*
Management of Material Resources	*Written Comprehension*
Service Orientation	*Inductive Reasoning*
Time Management	*Oral Expression*
Quality Control Analysis	*Problem Sensitivity*
Monitoring	*Written Expression*
Judgment and Decision Making	*Spatial Orientation*
Management of Personnel Resources	*Information Ordering*
Operation and Control	*Manual Dexterity*
Equipment Maintenance	*Selective Attention*

BARBER SERVICES

Paygrade	Task Type	Task Statements
E7	CORE	Approve barber supply requests
E6	CORE	Coordinate logistical support for barber operations (e.g., supplies, equipment, etc.)
E4	CORE	Maintain barbershop and policy signage (e.g., Safety Data Sheets (SDS), sanitation, etc.)
E4	CORE	Maintain barbershop appointment lists
E4	CORE	Maintain barbershop logs
E5	CORE	Manage logistical support for barber operations (e.g., supplies, equipment, etc.)
E4	CORE	Perform preventive maintenance on barber equipment
E4	CORE	Prepare barber supply requests
E4	CORE	Provide barber and cosmetology services
E4	CORE	Sanitize barber equipment
E4	CORE	Sanitize barber stations
E5	CORE	Submit barber supply requests

GENERAL OPERATING PROCEDURES

Paygrade	Task Type	Task Statements
E6	CORE	Analyze customer survey data
E7	CORE	Assess retail and service operations
E6	CORE	Conduct material stowage inspections (e.g., secure for sea, deck grating, etc.)
E6	CORE	Conduct product and service Quality Assurance (QA)
E7	CORE	Coordinate retail, postal, and service visits and training events

GENERAL OPERATING PROCEDURES (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Coordinate sanitation inspections with medical
E4	CORE	Determine operational conditions of retail, postal, and services machines and equipment
E6	CORE	Develop operational budgets (i.e., loadout plans)
E7	CORE	Enforce retail, service, and postal policies and procedures (e.g., Standard Operating Procedures (SOP), publications, etc.)
E7	CORE	Enforce security procedure compliance for service activity spaces
E7	CORE	Evaluate customer service
E7	CORE	Forecast retail, postal, and service operational needs (e.g., parts, supplies, etc.)
E6	CORE	Inspect retail and services work spaces
E4	CORE	Maintain key control logs
E7	CORE	Manage job completion of retail, postal, and services managers
E6	CORE	Manage retail and services stock items
E6	CORE	Manage retail, service, and postal policies and procedures (e.g., Standard Operating Procedures (SOP), publications, etc.)
E4	CORE	Organize retail and services storerooms
E4	CORE	Provide customer service
E6	CORE	Provide technical guidance and support to services and ship's stores afloat
E4	CORE	Report insect and pest infestations
E6	CORE	Resolve customer complaints
E4	CORE	Secure Group IV spaces
E4	CORE	Stow merchandise and supplies
E5	NON-CORE	Submit open purchase requests
E6	CORE	Survey crew to identify desired merchandise and services
E4	CORE	Transport materials to storerooms and activities
E7	CORE	Validate Coordinated Shipboard Allowance Lists (COSAL)
E6	CORE	Validate key control logs
E7	CORE	Validate operational budgets (i.e., loadout plans)
E6	CORE	Verify locally-generated logs (e.g., barbershop logs, key control logs, purchase order logs, etc.)

HOTEL SERVICES

Paygrade	Task Type	Task Statements
E7	NON-CORE	Approve stateroom, barracks room, and key card assignments
E6	NON-CORE	Assign staterooms, barracks rooms, and key cards
E4	NON-CORE	Clean staterooms
E4	NON-CORE	Collect processed laundry
E4	NON-CORE	Collect soiled laundry
E5	NON-CORE	Conduct furniture inventories
E6	NON-CORE	Conduct stateroom and barracks room vacancy inspections
E6	NON-CORE	Coordinate logistical support for hotel services

HOTEL SERVICES (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Deliver processed laundry
E4	NON-CORE	Drop off soiled laundry
E5	NON-CORE	Inspect occupied barracks rooms
E5	NON-CORE	Inventory Very Important Person (VIP) stateroom and barracks consumables (e.g., sheets, robes, towels, etc.)
E4	CORE	Maintain hotel service and policy signage
E7	NON-CORE	Maintain hotel service key control
E4	NON-CORE	Maintain hotel services files
E6	NON-CORE	Maintain stateroom and key card assignment logs
E6	NON-CORE	Manage front desk operations
E7	NON-CORE	Manage hotel services administrative staff (e.g., civilian, military, etc.)
E7	NON-CORE	Manage hotel services maintenance personnel
E6	NON-CORE	Manage housekeeping personnel
E5	NON-CORE	Manage logistical support for hotel services
E6	NON-CORE	Manage occupied barracks rooms inspections
E7	NON-CORE	Manage phased replacement programs
E7	NON-CORE	Manage stateroom and barracks room vacancy inspections
E4	NON-CORE	Perform preventive maintenance on linen lockers
E5	NON-CORE	Requisition consumables
E5	NON-CORE	Supervise front desk operations
E6	NON-CORE	Supervise hotel services administrative staff (e.g., civilian, military, etc.)
E6	NON-CORE	Supervise hotel services maintenance personnel
E5	NON-CORE	Supervise housekeeping personnel
E6	NON-CORE	Supervise maintenance and upkeep of barracks grounds (e.g., common areas, parking lots, laundry facilities, etc.)
E6	NON-CORE	Verify furniture inventories
E6	NON-CORE	Verify Very Important Person (VIP) stateroom and barracks consumables (e.g., sheets, robes, towels, etc.)

Job Title

Postal Clerk

Job Code

002806

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Office and Administrative Support	TBD	POSTAL CLERK	POSTAL CLERK

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	RS	NEC 7XXX and SXXX series and other NECs as assigned

Job Description

Postal Clerks are Retail Services Specialists (RS) that manage Military Post Offices (MPO), afloat and ashore; process and dispatch all classes of mail and parcel post; direct and route the transportation of mail; prepare and maintain postal records and reports; interact with United States Postal Service (USPS) and Department of Defense (DoD) automated systems; process postal customer service transactions; and provide quality customer service.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Postal	155400	Mail Clerks and Mail Machine Operators, Except Postal Service	43-9051.00	Office and Administrative Support

Skills	Abilities
Monitoring	*Written Comprehension*
Judgment and Decision Making	*Inductive Reasoning*
Coordination	*Deductive Reasoning*
Management of Material Resources	*Selective Attention*
Operation and Control	*Written Expression*
Service Orientation	*Information Ordering*
Quality Control Analysis	*Category Flexibility*
Time Management	*Problem Sensitivity*
Complex Problem Solving	*Speed of Closure*
Management of Financial Resources	*Perceptual Speed*

GENERAL OPERATING PROCEDURES

Paygrade	Task Type	Task Statements
E6	CORE	Analyze outgoing financial report data
E6	CORE	Conduct material stowage inspections (e.g., secure for sea, deck grating, etc.)
E6	CORE	Conduct product and service Quality Assurance (QA)
E7	CORE	Coordinate retail, postal, and service visits and training events
E4	CORE	Determine operational conditions of retail, postal, and services machines and equipment
E4	CORE	Display product prices
E7	CORE	Enforce retail, service, and postal policies and procedures (e.g., Standard Operating Procedures (SOP), publications, etc.)
E7	CORE	Enforce security procedure compliance for retail and postal activity spaces, merchandise, and funds
E7	CORE	Evaluate customer service
E7	CORE	Forecast retail, postal, and service operational needs (e.g., parts, supplies, etc.)
E4	CORE	Maintain key control logs
E7	CORE	Manage job completion of retail, postal, and services managers
E6	CORE	Manage retail, service, and postal policies and procedures (e.g., Standard Operating Procedures (SOP), publications, etc.)
E4	CORE	Provide customer service
E5	CORE	Replace Point of Sale (POS) equipment and components
E4	CORE	Report insect and pest infestations

GENERAL OPERATING PROCEDURES (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Resolve customer complaints
E4	CORE	Stow merchandise and supplies
E5	NON-CORE	Submit open purchase requests
E4	CORE	Transport materials to storerooms and activities
E7	CORE	Validate Coordinated Shipboard Allowance Lists (COSAL)
E6	CORE	Validate key control logs
E6	CORE	Verify locally-generated logs (e.g., barbershop logs, key control logs, purchase order logs, etc.)
E6	CORE	Verify Point of Sale (POS) equipment and component replacements

POSTAL SERVICES

Paygrade	Task Type	Task Statements
E7	CORE	Approve Application for Refund of Fees, Products and Withdrawal of Customer Accounts (PS Form 3533) forms
E7	CORE	Approve Daily Financial Report (PS Form 1412) forms
E4	CORE	Assign individual mailboxes in Automated Military Postal System (AMPS)
E5	CORE	Collect afloat meter finance data
E7	CORE	Coordinate Department of Defense (DoD) mail movements
E5	CORE	Coordinate local mail movements
E6	CORE	Coordinate logistical support for postal operations (e.g., Mail Routing Instructions (MRI), supplies, equipment, etc.)
E4	CORE	Deliver accountable mail (e.g., certified, registered, etc.)
E4	CORE	Deliver official mail
E4	CORE	Deliver personal mail (non-accountable)
E7	CORE	Document suspicious mail
E4	CORE	Implement suspicious mail response procedures
E4	CORE	Input accountable mail (e.g., certified, registered, etc.)
E7	CORE	Input afloat meter finance data
E4	CORE	Input Irregularities in Makeup and Dispatch of Mail (DD FORM 2273)
E4	CORE	Input nested retro-grade customs required mail
E5	CORE	Input official mail
E4	CORE	Input personal mail (non-accountable)
E4	CORE	Inspect mail containers
E7	CORE	Inspect mail handling procedures
E7	CORE	Inspect postal operations
E4	CORE	Maintain Individual Mail Lock Boxes (IMLB)
E4	CORE	Maintain post office and policy signage
E5	CORE	Maintain postal files
E5	CORE	Maintain postal services key control (i.e., mailboxes, post offices, and registered cages)
E7	CORE	Maintain postal services key control programs

POSTAL SERVICES (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Manage logistical support for postal operations (e.g., Mail Routing Instructions (MRI), supplies, equipment, etc.)
E5	CORE	Manage mail orderly programs
E7	CORE	Manage postal accounts
E5	NON-CORE	Manage postal stock materials and supplies
E5	CORE	Prepare Application for Refund of Fees, Products and Withdrawal of Customer Accounts (PS Form 3533) forms
E5	CORE	Prepare Daily Financial Report (PS Form 1412) forms
E5	CORE	Prepare Designation/Termination MPC-FPC-COPE-PFO (DD FORM 2257) forms
E4	CORE	Prepare manifest dispatch bills
E5	CORE	Prepare Registered Mail - Balance and Inventory (DD FORM 2261) forms
E4	CORE	Process accountable mail (e.g., certified, registered, etc.)
E4	CORE	Process customs endorsements
E4	CORE	Process money order transactions
E5	CORE	Process official mail
E4	CORE	Process personal mail (non-accountable)
E4	CORE	Process postage meter transactions
E5	CORE	Process postal claims and inquiries
E4	CORE	Process postal customer service transactions
E4	CORE	Process undeliverable mail
E5	CORE	Report accountable equipment inventories (i.e., Supplies and Equipment Receipt (PS Form 1590))
E7	CORE	Report postal offenses
E5	CORE	Requisition Mail Transportation Equipment (MTE)
E4	CORE	Sanitize mail containers
E5	CORE	Secure registered mail (e.g., cages, sections, etc.)
E7	CORE	Submit Postal Net Alerts (PNA)
E5	CORE	Update Military Post Office (MPO) profiles in Automated Military Postal System (AMPS)
E5	CORE	Validate accountable mail (e.g., certified, registered, etc.)
E5	CORE	Validate official mail
E7	CORE	Verify accountable mail (e.g., certified, registered, etc.)
E7	CORE	Verify Automated Military Postal System (AMPS) information
E4	CORE	Verify country restrictions
E4	CORE	Verify Fleet Post Office (FPO), Army Post Office (APO), and Diplomatic Post Office (DPO) restrictions
E7	CORE	Verify nested retro-grade ratios
E7	CORE	Verify official mail
E5	CORE	Verify postage meter transactions
E7	CORE	Verify Product Tracking and Reporting (PTR)
E7	CORE	Verify Registered Mail - Balance and Inventory (DD FORM 2261) forms

POSTAL SERVICES (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Verify security of postal spaces
E4	CORE	Verify United States Postal Service (USPS) Customs Declaration (PS Form 2976) forms

CHAPTER 72

SEAMAN
(SN)

NAVPERS 18068F-72G
Change 90

Updated: April 2022

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

SEAMAN (SN)
APPRENTICESHIP

SCOPE OF RATING

SEAMEN (SN) maintain ship's compartments, decks, deck machinery, equipment, external structure, lines, and riggings; prepare, preserve, and paint surfaces; stand pier sentry, fire security, anchor, and other command designated watches inport; and stand underway deck watches: helmsman, lee helmsman, lookout, and messenger.

These Occupational Standards are to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 72.

PATHS OF ADVANCEMENT

Per NAVADMIN 275/19, Professional Career Apprenticeship Track (PACT) Sailors will receive rating designating based upon the billet for which they are selected in MyNavy Assignment (MNA).

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title
Seaman

Job Code
002690

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	SEAMAN	SEAMAN

Pay Plan	Career Field	Other Relationships and Rules
ENLISTED	SN	N/A

Job Description
Seamen (SN) maintain ship's compartments, decks, deck machinery, equipment, external structure, lines, and riggings; prepare, preserve, and paint surfaces; stand pier sentry, fire security, anchor, and other command designated watches inport; and stand underway deck watches: helmsman, lee helmsman, lookout, and messenger.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Non Occupational	190000	Sailors and Marine Oilers	53-5011.00	Transportation and Material Moving

Skills	Abilities
Coordination	*Manual Dexterity*
Management of Material Resources	*Deductive Reasoning*
Speaking	*Problem Sensitivity*
Equipment Selection	*Oral Expression*
Quality Control Analysis	*Information Ordering*
Operation and Control	*Spatial Orientation*
Operation Monitoring	*Far Vision*
Equipment Maintenance	*Control Precision*
Active Learning	*Oral Comprehension*
Troubleshooting	*Glare Sensitivity*

AMPHIBIOUS OPERATIONS

Paygrade	Task Type	Task Statements
E3	CORE	Launch amphibious crafts (e.g., Landing Craft Air Cushion (LCAC), Landing Craft Utility (LCU), Landing Craft Mechanized (LCM), Combat Rubber Raiding Craft (CRRC), etc.)
E3	CORE	Load amphibious crafts (e.g., Landing Craft Air Cushion (LCAC), Landing Craft Utility (LCU), Landing Craft Mechanized (LCM), Combat Rubber Raiding Craft (CRRC), etc.)
E3	CORE	Load amphibious vehicles (e.g., assault vehicles, Lighter Amphibious Resupply Cargo (LARC) vehicles, etc.)
E3	CORE	Perform well deck Foreign Object Damage (FOD) walk downs
E3	CORE	Prepare crafts
E3	CORE	Prepare vehicles
E3	CORE	Prepare well deck equipment (e.g., capstans, lines, tie-downs, ventilations, padeyes, staples, etc.)
E3	CORE	Recover amphibious crafts (e.g., Landing Craft Air Cushion (LCAC), Landing Craft Utility (LCU), Landing Craft Mechanized (LCM), Combat Rubber Raiding Craft (CRRC), etc.)
E3	CORE	Repair well deck equipment (e.g., lines, tie-downs, chains, etc.)
E3	CORE	Report amphibious beach signals and flags
E3	CORE	Report amphibious craft markings and flags
E3	CORE	Report amphibious signals and markings
E3	CORE	Report corrective maintenance needs for well deck equipment (e.g., capstans, lines, tie-downs, ventilations, padeyes, staples, etc.)

AMPHIBIOUS OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E3	CORE	Secure crafts
E3	CORE	Secure vehicles
E3	CORE	Test well deck equipment (e.g., capstans, lines, tie-downs, ventilations, padeyes, staples, etc.)
E3	CORE	Unload amphibious crafts (e.g., Landing Craft Air Cushion (LCAC), Landing Craft Utility (LCU), Landing Craft Mechanized (LCM), Combat Rubber Raiding Craft (CRRC), etc.)
E3	CORE	Unload amphibious vehicles (e.g., assault vehicles, Lighter Amphibious Resupply Cargo (LARC) vehicles, etc.)

ANCHORING, MOORING, AND TOWING

Paygrade	Task Type	Task Statements
E3	CORE	Assist in anchor chain wash down
E3	CORE	Assist in hoisting and lowering ship's anchor
E3	CORE	Handle ground tackle (e.g., stoppers, shackles, etc.)
E3	CORE	Inspect mooring equipment
E3	CORE	Maintain mooring configurations (e.g., heavy weather, tidal range, etc.)
E3	CORE	Pass heaving lines
E3	CORE	Perform mooring and getting underway evolutions
E3	CORE	Perform the duties associated with anchor watch
E3	CORE	Prepare lines for mooring and getting underway evolutions
E3	CORE	Repair mooring equipment
E3	CORE	Report corrective maintenance needs for anchoring equipment
E3	CORE	Report corrective maintenance needs for mooring equipment
E3	CORE	Report corrective maintenance needs for towing equipment
E3	CORE	Report positions and tensions of anchor chains
E3	CORE	Rig for mooring to buoy
E3	CORE	Rig for towing
E3	CORE	Rig to be towed
E3	CORE	Secure mooring lines after getting underway
E3	CORE	Test anchoring communication equipment
E3	CORE	Test mooring communication equipment
E3	CORE	Test towing communication equipment
E3	CORE	Unrig from mooring buoy
E3	CORE	Unrig from tow

CARGO HANDLING, RIGGING, AND CRANES

Paygrade	Task Type	Task Statements
E3	CORE	Package cargo for transfer
E3	CORE	Perform Material Handling Equipment (MHE) evolutions
E3	CORE	Perform shipboard crane evolutions (e.g., line handling, rigger, etc.)
E3	CORE	Perform Weight Handling Equipment (WHE) evolutions (e.g., chain hoist, block and tackle, etc.)

CARGO HANDLING, RIGGING, AND CRANES (CONT'D)

Paygrade	Task Type	Task Statements
E3	CORE	Replace cargo handling equipment
E3	CORE	Report corrective maintenance needs for cargo handling equipment
E3	CORE	Rig cargo for transfer
E3	CORE	Rig cargo handling equipment
E3	CORE	Unrig cargo for transfer
E3	CORE	Unrig cargo handling equipment

DECK SEAMANSHIP

Paygrade	Task Type	Task Statements
E3	CORE	Apply whippings on lines
E3	CORE	Belay lines to deck fittings
E3	CORE	Conduct daily boat reports
E3	CORE	Control ship steering and speed
E3	CORE	Describe basic rules of the road for safety of navigation
E3	CORE	Execute boat hails, recalls, and salutes
E3	CORE	Execute line handling commands
E3	CORE	Follow safety precautions for deck operations (e.g., working aloft and over the side, handling and stowing lines, etc.)
E3	CORE	Handle lines for deck operations
E3	CORE	Identify safety precautions for handling, maintaining, and stowing wire ropes
E3	CORE	Identify ship's interior communication circuits located on the bridge and quarterdecks
E3	CORE	Identify ship's interior communication systems located on the bridge and quarterdecks
E3	CORE	Identify the roles and responsibilities of the members of the bridge watch team
E3	CORE	Inspect abandon ship equipment
E3	CORE	Inspect lifesaving equipment
E3	CORE	Make up lines (i.e., coil, fake, and flemish)
E3	CORE	Perform shipboard man overboard recovery procedures
E3	CORE	Perform the duties of messenger of the watch inport
E3	CORE	Perform the duties of messenger of the watch underway
E3	CORE	Perform the procedures of the Maintenance and Material Management (3M) system
E3	CORE	Replace abandon ship equipment
E3	CORE	Replace lifesaving equipment
E3	CORE	Report aids to navigation (e.g., buoys, day shapes, light configurations, etc.)
E3	CORE	Report air contacts
E3	CORE	Report man overboard
E3	CORE	Report Search And Rescue (SAR) signals
E3	CORE	Report sound signals
E3	CORE	Report surface contacts
E3	CORE	Report visual communications (e.g., signal flags, pennants, flares, etc.)
E3	CORE	Rig brows and gangways
E3	CORE	Rig deck equipment

DECK SEAMANSHIP (CONT'D)

Paygrade	Task Type	Task Statements
E3	CORE	Rig for davit operations
E3	CORE	Rig life lines
E3	CORE	Rig shipboard ladders
E3	CORE	Rig stages and boatswain's chairs
E3	CORE	Stow lines
E3	CORE	Test abandon ship equipment (e.g., life preservers)
E3	CORE	Test lifesaving equipment
E3	CORE	Unrig brows and gangways
E3	CORE	Unrig deck equipment
E3	CORE	Unrig from davit operations
E3	CORE	Unrig life lines
E3	CORE	Unrig shipboard ladders
E3	CORE	Unrig stages and boatswain's chairs
E3	CORE	Use shipboard communication terminology
E3	CORE	Utilize Personal Protective Equipment (PPE) (e.g., respirators, safety harnesses, lifejackets, etc.)

MARLINESPIKE SEAMANSHIP

Paygrade	Task Type	Task Statements
E3	CORE	Inspect lines (e.g., natural, synthetic, etc.)
E3	CORE	Repair lines (e.g., natural, synthetic, etc.)
E3	CORE	Replace lines (e.g., natural, synthetic, etc.)
E3	CORE	Replace synthetic and canvas products
E3	CORE	Replace wire ropes
E3	CORE	Splice 3-strand and 4-strand lines
E3	CORE	Tie knots, bends, and hitches

PAINTING AND PRESERVATION

Paygrade	Task Type	Task Statements
E3	CORE	Control aerial man lift vehicles
E3	CORE	Inventory primer, paint, and non-skid
E3	CORE	Paint prepared surfaces using primer, paint, and non-skid
E3	CORE	Prepare primer, paint, and non-skid
E3	CORE	Prepare surfaces for primer, paint, and non-skid
E3	CORE	Repair painting and preservation equipment
E3	CORE	Replace painting and preservation equipment
E3	CORE	Test painting and preservation equipment
E3	CORE	Troubleshoot painting and preservation equipment

SMALL BOAT OPERATIONS

Paygrade	Task Type	Task Statements
E3	CORE	Anchor small boats
E3	CORE	Inspect small boat equipment

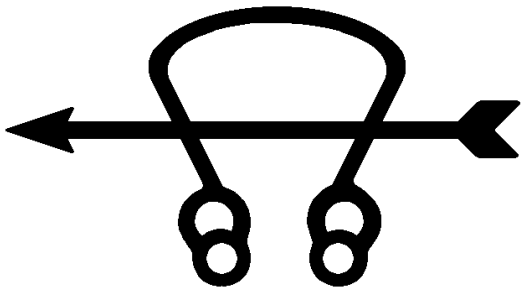
SMALL BOAT OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E3	CORE	Inspect small boat hulls and sponsons
E3	CORE	Launch small boats
E3	CORE	Load small boats (e.g., equipment, passengers, etc.)
E3	CORE	Moor small boats
E3	CORE	Perform small boat man overboard recovery procedures
E3	CORE	Perform the duties associated with boat watch
E3	CORE	Prepare small boats
E3	CORE	Recover small boats
E3	CORE	Repair small boat equipment (e.g., lines, floatation devices, etc.)
E3	CORE	Replace small boat davit components (e.g., man ropes, shackles, wire ropes, etc.)
E3	CORE	Report corrective maintenance needs for small boat davits
E3	CORE	Report corrective maintenance needs for small boats and equipment
E3	CORE	Test small boat equipment
E3	CORE	Test small boat sponsons
E3	CORE	Unload small boats (e.g., equipment, passengers, etc.)

UNDERWAY REPLENISHMENT (UNREP)

Paygrade	Task Type	Task Statements
E3	CORE	Inspect replenishment equipment
E3	CORE	Perform cargo replenishment evolutions
E3	CORE	Perform external communications (ship-to-ship)
E3	CORE	Perform fueling replenishment evolutions
E3	CORE	Repair replenishment equipment
E3	CORE	Replace replenishment equipment
E3	CORE	Report positions using phones and distance lines
E3	CORE	Rig cargo replenishment stations
E3	CORE	Rig for personnel transfer at sea
E3	CORE	Rig fueling replenishment stations
E3	CORE	Send and receive replenishment at sea signals
E3	CORE	Test replenishment equipment
E3	CORE	Troubleshoot replenishment equipment
E3	CORE	Unrig cargo replenishment stations
E3	CORE	Unrig from personnel transfer at sea
E3	CORE	Unrig fueling replenishment stations

CHAPTER 73



SONAR TECHNICIAN (SURFACE)
(STG)

NAVPERS 18068F-73H
Change 97

Updated: January 2024

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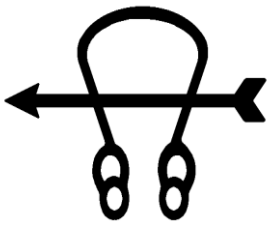
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

SONAR TECHNICIAN (SURFACE) (STG)



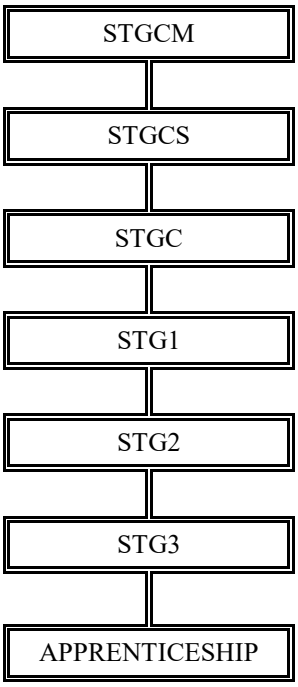
SCOPE OF RATING

Sonar Technicians (Surface) (STG) operate surface sonar and other oceanographic systems; search, track, analyze, and interpret acoustic and oceanographic data for surface and subsurface contacts; operate surface ship underwater fire control systems (with associated equipment) for the solution of Anti-Submarine Warfare (ASW) problems; support Surface Warfare (SUW); conduct ordnance evolutions; and perform organizational and intermediate maintenance on surface sonar and auxiliary equipment.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 73.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Anti-submarine Warfare Manager 003746

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	ASW MANAGER	ASW MANAGER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	STG	VXXX and 7XXX series and other NECs as assigned

Job Description

Anti-Submarine Warfare Managers manage and supervise the employment of sonar equipment; evaluate, disseminate, and make tactical Anti-Submarine Warfare (ASW) decisions; assist with Surface Warfare (SUW) decisions; coordinate communications; manage equipment maintenance; conduct ordnance oversight; manage training programs; and monitor watch team.

DoD Relationship

Group Title	*DoD Code*
Sonar, General	113000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Computer and Information System Managers	11-3021.00	Management

Skills	Abilities
Judgment and Decision Making	*Deductive Reasoning*
Quality Control Analysis	*Written Comprehension*
Management of Material Resources	*Problem Sensitivity*
Monitoring	*Oral Expression*
Critical Thinking	*Inductive Reasoning*
Complex Problem Solving	*Information Ordering*
Speaking	*Written Expression*
Coordination	*Control Precision*
Operation and Control	*Mathematical Reasoning*
Systems Analysis	*Flexibility of Closure*

AUXILIARY AND SUPPORT SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Configure Expendable Mobile Anti-Submarine Training Targets (EMATT)
E4	CORE	Configure sonobuoys
E4	CORE	Configure underwater communication systems
E7	CORE	Manage sonar dome pressurization system operations
E5	CORE	Supervise sonar dome pressurization system operations
E5	CORE	Supervise torpedo countermeasure stream and recovery operations
E4	CORE	Test shipboard communication systems
E4	CORE	Test valves
E6	CORE	Verify Expendable Mobile Anti-Submarine Training Target (EMATT) configurations
E6	CORE	Verify sonobuoy configurations

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	CORE	Administer Command, Control, Computer, Communication, and Intelligence (C4I) password accounts
E4	CORE	Analyze blueprints and ship's drawings
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E7	CORE	Approve equipment installations, testing, and alterations

EQUIPMENT ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Conduct sound isolation surveys
E7	CORE	Coordinate equipment certifications and recertifications
E6	CORE	Coordinate equipment installations, testing, and alterations
E7	CORE	Coordinate external agency support for major sonar equipment and evolutions
E7	CORE	Coordinate network software and firmware operations
E7	CORE	Coordinate ship's sound silencing programs
E4	CORE	Correct sound isolation deficiencies
E7	CORE	Draft Casualty Reports (CASREP)
E5	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E4	CORE	Inventory controlled equipment (e.g., Maintenance Assistance Modules (MAM))
E4	CORE	Inventory network software and firmware
E4	CORE	Maintain underwater system password accounts
E6	CORE	Manage Combat Systems Operational Sequencing System (CSOSS) operations
E6	CORE	Manage controlled equipment (e.g., Maintenance Assistance Modules (MAM))
E7	CORE	Manage divisional equipment and system configurations
E7	CORE	Manage divisional maintenance operations
E7	CORE	Manage equipment Casualty Reporting (CASREP) process
E6	CORE	Manage equipment certifications and recertifications
E6	CORE	Manage procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E6	CORE	Manage underwater system password accounts
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E5	CORE	Supervise controlled equipment inventories (e.g., Maintenance Assistance Modules (MAM))
E6	CORE	Supervise divisional equipment and system configurations
E6	CORE	Supervise divisional maintenance operations
E4	CORE	Supervise equipment installations, testing, and alterations
E6	CORE	Supervise sound silencing procedures
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center maintenance operations
E5	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E4	CORE	Update Command, Control, Computer, Communication, and Intelligence (C4I) password accounts
E7	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)
E7	CORE	Verify equipment installations, testing, and alterations
E7	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate ordnance handling evolutions
E7	CORE	Coordinate ordnance stowage
E6	CORE	Inspect ordnance containers
E6	CORE	Manage ordnance handling evolutions
E6	CORE	Manage ordnance inspections
E7	CORE	Manage ordnance spill (e.g., Otto Fuel II) containment and decontamination procedures
E6	CORE	Manage ordnance stowage
E7	CORE	Manage torpedo pre-launch procedures (i.e., weapons postures)
E7	CORE	Monitor ordnance handling evolutions (i.e., safety observer)
E6	NON-CORE	Supervise Ordnance Handling Equipment (OHE) testing
E5	CORE	Supervise ordnance handling evolutions
E5	CORE	Supervise ordnance inspections
E6	CORE	Supervise ordnance spill (e.g., Otto Fuel II) containment and decontamination procedures
E5	CORE	Supervise ordnance stowage
E6	CORE	Supervise torpedo pre-launch procedures (i.e., weapons postures)

SONAR SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust towed cable scopes
E4	CORE	Configure Tactical Display Systems (TDS)
E4	CORE	Manage system databases
E6	CORE	Monitor towed array stream and recovery operations (i.e., safety observer)
E4	CORE	Perform preventive maintenance on Tactical Display Systems (TDS)
E4	CORE	Perform towed array stream and recovery operations
E5	CORE	Supervise towed array stream and recovery operations
E4	CORE	Test Tactical Display Systems (TDS)
E6	CORE	Verify sonar System Employment Manuals (SEM)

UNDERSEA WARFARE (USW) PLANNING AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Expendable Bathythermograph (XBT) data
E4	CORE	Analyze projected and historical tactical oceanographic data
E5	CORE	Brief tactical, operational, and situational status reports
E4	CORE	Calculate best depths for submarines to avoid detection
E4	CORE	Calculate bottom loss predictions
E4	CORE	Collect acoustic data media recordings
E6	CORE	Conduct acoustic and non-acoustic training
E6	CORE	Conduct sensor operator proficiency training
E4	CORE	Configure environmental range prediction systems

UNDERSEA WARFARE (USW) PLANNING AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Configure sonar systems for stand-alone training operations
E5	CORE	Configure torpedo countermeasure systems and equipment
E7	CORE	Coordinate Anti-Submarine Warfare (ASW) missions
E7	CORE	Coordinate multi-force prosecutions (i.e., air, surface, and subsurface)
E7	CORE	Coordinate personnel qualification and certification programs
E7	CORE	Coordinate Surface Action Unit (SAU) procedures
E7	CORE	Coordinate towed systems handling operations
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E7	CORE	Develop Anti-Submarine Warfare (ASW) Pre-Planned Responses (PPR)
E5	CORE	Develop Anti-Submarine Warfare (ASW) search, attack, and evasion plans
E7	CORE	Develop Anti-Submarine Warfare (ASW) trip wires
E5	CORE	Develop Prevention of Mutual Interference (PMI) plans
E5	CORE	Develop sonar Tactical Decision Aid (TDA) plans
E7	CORE	Develop Surface Warfare (SUW) Pre-Planned Responses (PPR)
E7	CORE	Develop Surface Warfare (SUW) trip wires
E5	CORE	Develop threat briefs
E5	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Develop Water Space Management (WSM) plans
E6	CORE	Direct execution of operational messages and Commander's intentions
E6	CORE	Draft operational messages
E6	CORE	Evaluate Anti-Submarine Warfare (ASW) search, attack, and evasion plans
E6	CORE	Evaluate Prevention of Mutual Interference (PMI) plans
E6	CORE	Evaluate sonar Tactical Decision Aid (TDA) plans
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Evaluate Water Space Management (WSM) plans
E4	CORE	Handle Naval messages
E4	CORE	Interpret requirements from technical briefs, notices, and bulletins
E7	CORE	Manage Anti-Submarine Warfare (ASW) safety programs and instructions
E7	CORE	Manage coordinated Anti-Submarine Warfare (ASW) operations
E6	CORE	Manage personnel qualification and certification programs
E6	CORE	Manage shipboard Anti-Submarine Warfare (ASW) operations
E7	CORE	Manage sonar administration
E5	CORE	Mitigate biological and environmental effects on acoustic data
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E5	CORE	Prepare acoustic data media for shipment
E7	CORE	Review drafted operational messages for accuracy

UNDERSEA WARFARE (USW) PLANNING AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise personnel qualification and certification programs
E5	CORE	Supervise shipboard Anti-Submarine Warfare (ASW) operations
E5	CORE	Train technicians in casualty control procedures
E7	CORE	Validate Anti-Submarine Warfare (ASW) doctrine statements
E7	CORE	Validate Anti-Submarine Warfare (ASW) search, attack, and evasion plans
E7	CORE	Validate Prevention of Mutual Interference (PMI) plans
E7	CORE	Validate sonar Tactical Decision Aid (TDA) plans
E7	CORE	Validate Water Space Management (WSM) plans
E7	CORE	Verify compliance with operational messages and Commander's intentions

WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze active acoustic data
E4	CORE	Analyze in situ tactical oceanographic data
E4	CORE	Analyze passive acoustic data
E4	CORE	Analyze subsurface contacts
E4	CORE	Analyze surface contacts
E5	CORE	Assign subsurface contact priorities
E7	CORE	Assign subsurface engagement Battle Damage Assessments (BDA)
E5	CORE	Assign surface contact priorities
E4	CORE	Calculate real-time sound propagation changes
E5	CORE	Calculate subsurface contact ranges
E5	CORE	Calculate surface contact ranges
E4	CORE	Calculate turn counts and Shaft Revolutions Per Minute (SRPM)
E4	CORE	Collect Acoustic Intelligence (ACINT) data
E4	CORE	Compute subsurface contact course and speed
E4	CORE	Compute surface contact course and speed
E4	CORE	Conduct active sonar searches
E4	CORE	Conduct passive sonar searches
E5	CORE	Conduct Target Motion Analyses (TMA)
E4	CORE	Configure active sonar systems
E5	CORE	Configure Anti-Submarine Warfare (ASW) fire control systems
E4	CORE	Configure passive sonar systems
E5	CORE	Correlate Acoustic Intelligence (ACINT) data
E5	CORE	Correlate Anti-Submarine Warfare (ASW) targeting data
E5	CORE	Correlate multi-sensor data
E5	CORE	Correlate Surface Warfare (SUW) targeting data
E4	CORE	Deploy Expendable Mobile Anti-Submarine Training Targets (EMATT)
E5	CORE	Engage subsurface targets with anti-submarine weapons
E4	CORE	Evaluate subsurface contact acoustic information

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Evaluate surface contact acoustic information
E6	CORE	Evaluate Target Motion Analysis (TMA) solutions
E4	CORE	Identify subsurface contact Closest Point of Approach (CPA)
E4	CORE	Identify subsurface contact geometries
E4	CORE	Identify surface contact Closest Point of Approach (CPA)
E4	CORE	Identify surface contact geometries
E5	CORE	Implement Anti-Submarine Warfare (ASW) doctrine statements
E5	CORE	Input Anti-Submarine Warfare (ASW) fire control parameters
E4	CORE	Input sonar Tactical Decision Aid (TDA) data
E4	CORE	Log amplifying subsurface contact data
E4	CORE	Log amplifying surface contact data
E4	CORE	Make operational and situational reports
E6	CORE	Manage in situ tactical oceanographic data analyses
E7	CORE	Manage Integrated Undersea Surveillance System (IUSS) operations
E4	CORE	Perform external communications (i.e., ship-to-ship, ship-to-shore, ship-to-air, and ship-to-sub)
E5	CORE	Recommend actions to reduce own ship's detectability
E5	CORE	Recommend evasive steering actions
E4	CORE	Recommend own ship's course and speed changes
E7	CORE	Recommend subsurface contact priorities
E7	CORE	Recommend surface contact priorities
E6	CORE	Recommend Surface Warfare (SUW) search plans
E5	CORE	Recommend torpedo evasion actions
E5	CORE	Recommend torpedo evasion tactics
E5	CORE	Report assignment and engagement status of own ship's weapons systems
E4	CORE	Report break point and ambient limited speeds
E4	CORE	Report evasion devices and acoustic jamming
E4	CORE	Report initial subsurface contact classifications
E4	CORE	Report initial surface contact classifications
E4	CORE	Report sources of self-noise
E4	CORE	Report subsurface contacts
E4	CORE	Report subsurface engagement Battle Damage Assessments (BDA)
E4	CORE	Report surface contacts
E4	CORE	Report surface engagement Battle Damage Assessments (BDA)
E4	CORE	Resolve towed array ambiguities
E5	CORE	Supervise configuration of sonar systems for Emission Control (EMCON) conditions
E6	CORE	Supervise Integrated Undersea Surveillance System (IUSS) operations
E5	CORE	Supervise small object avoidance operations

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise sonar control during casualty conditions
E5	CORE	Supervise sonar control during special evolutions
E5	CORE	Supervise sonar watch team performance
E6	CORE	Transition sonar watch teams between conditions of readiness
E4	CORE	Update subsurface contact information
E4	CORE	Update surface contact information
E7	CORE	Validate subsurface contact classifications
E7	CORE	Validate surface contact classifications
E7	CORE	Validate Target Motion Analysis (TMA) solutions
E6	CORE	Verify Emission Control (EMCON) status
E5	CORE	Verify environmental range prediction system configurations
E7	CORE	Verify weapons presets

Job Title **Job Code**

Anti-submarine Warfare Operator 003747

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	ASW OPERATOR	ASW OPERATOR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	STG	VXXX and 7XXX series and other NECs as assigned

Job Description

Anti-Submarine Warfare Operators operate and maintain sonar systems, underwater fire control systems, and support equipment on surface ships and fixed shore stations; conduct undersea surveillance/Anti-Submarine Warfare (ASW) and aid in safe navigation; use shipboard equipment and fixed shore equipment to search, track, analyze, and interpret acoustic and oceanographic data for surface and subsurface contacts; and conduct ordnance handling

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Sonar, General	113000	Command and Control Center Specialists	55-3015.00	Military Specific

Skills	Abilities
Operation and Control	*Deductive Reasoning*
Quality Control Analysis	*Written Comprehension*
Complex Problem Solving	*Control Precision*
Judgment and Decision Making	*Manual Dexterity*
Systems Analysis	*Oral Expression*
Reading Comprehension	*Problem Sensitivity*
Operation Monitoring	*Inductive Reasoning*
Speaking	*Information Ordering*
Critical Thinking	*Mathematical Reasoning*
Management of Material Resources	*Written Expression*

AUXILIARY AND SUPPORT SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Configure auxiliary air and cooling water systems
E4	CORE	Configure depth sounding systems
E4	CORE	Configure Expendable Mobile Anti-Submarine Training Targets (EMATT)
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Configure sonar dome pressurization systems
E4	CORE	Configure sonobuoys
E4	CORE	Configure underwater communication systems
E4	CORE	Perform corrosion prevention and control procedures on Anti-Submarine Warfare (ASW) systems
E4	CORE	Perform preventive maintenance on auxiliary air and cooling water systems
E4	CORE	Perform preventive maintenance on depth sounding systems
E4	CORE	Perform preventive maintenance on Expendable Bathythermograph (XBT) equipment
E4	CORE	Perform preventive maintenance on interconnecting cables and connectors
E4	CORE	Perform preventive maintenance on sonar dome pressurization systems
E4	CORE	Perform preventive maintenance on torpedo countermeasure systems and equipment
E4	CORE	Perform preventive maintenance on underwater communication systems
E4	CORE	Perform preventive maintenance on valves

AUXILIARY AND SUPPORT SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform torpedo countermeasure stream and recovery operations
E4	CORE	Repair auxiliary air and cooling water systems
E4	CORE	Repair depth sounding systems
E4	CORE	Repair Expendable Bathythermograph (XBT) equipment
E4	CORE	Repair sonar dome pressurization systems
E4	CORE	Repair torpedo countermeasure systems and equipment
E4	CORE	Repair underwater communication systems
E4	CORE	Replace valves
E5	CORE	Supervise torpedo countermeasure stream and recovery operations
E4	CORE	Test Alternating Current (AC) circuits
E4	CORE	Test auxiliary air and cooling water systems
E4	CORE	Test depth sounding systems
E4	CORE	Test digital circuits
E4	CORE	Test Direct Current (DC) circuits
E4	CORE	Test Expendable Bathythermograph (XBT) equipment
E4	CORE	Test shipboard communication systems
E4	CORE	Test sonar dome pressurization systems
E4	CORE	Test torpedo countermeasure systems and equipment
E4	CORE	Test underwater communication systems
E4	CORE	Test valves
E4	CORE	Troubleshoot auxiliary air and cooling water systems
E4	CORE	Troubleshoot depth sounding systems
E4	CORE	Troubleshoot Expendable Bathythermograph (XBT) equipment
E4	CORE	Troubleshoot sonar dome pressurization systems
E4	CORE	Troubleshoot torpedo countermeasure systems and equipment
E4	CORE	Troubleshoot underwater communication systems
E4	CORE	Troubleshoot valves

EQUIPMENT ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze blueprints and ship's drawings
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E4	CORE	Conduct sound isolation surveys
E4	CORE	Correct sound isolation deficiencies
E5	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E4	CORE	Inspect work areas, tools, and equipment
E4	CORE	Inventory controlled equipment (e.g., Maintenance Assistance Modules (MAM))

EQUIPMENT ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E5	CORE	Supervise controlled equipment inventories (e.g., Maintenance Assistance Modules (MAM))
E4	CORE	Supervise equipment installations, testing, and alterations
E5	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E4	CORE	Update Command, Control, Computer, Communication, and Intelligence (C4I) password accounts
E7	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Inspect ordnance
E4	NON-CORE	Inspect ordnance magazines and lockers
E4	NON-CORE	Install torpedo flight accessories
E4	CORE	Inventory ordnance
E7	CORE	Manage torpedo pre-launch procedures (i.e., weapons postures)
E4	NON-CORE	Pack ordnance
E4	CORE	Perform Ordnance Handling Equipment (OHE) operations
E4	CORE	Perform ordnance spill (e.g., Otto Fuel II) containment and decontamination procedures
E4	CORE	Perform torpedo pre-launch procedures (i.e., weapons postures)
E4	CORE	Stow ordnance
E6	CORE	Supervise torpedo pre-launch procedures (i.e., weapons postures)
E4	NON-CORE	Test Ordnance Handling Equipment (OHE)
E4	NON-CORE	Transfer ordnance
E4	NON-CORE	Transport ordnance
E4	NON-CORE	Unpack ordnance

SONAR SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust towed cable scopes
E4	CORE	Configure computer and peripheral systems
E4	CORE	Configure network interfaces (e.g., Aegis Weapon Systems (AWS), Embedded Training Systems (ETS), etc.)
E4	CORE	Configure network systems (e.g., Computer Information Systems Company (Cisco))
E4	CORE	Configure operating systems (e.g., Linux, Microsoft, etc.)
E4	CORE	Configure Tactical Display Systems (TDS)

SONAR SYSTEMS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Configure Undersea Warfare Decision Support System (USW-DSS)
E4	CORE	Control Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) effects on electronic systems
E4	CORE	Document equipment and system statuses
E4	CORE	Manage system databases
E4	CORE	Monitor equipment and system statuses
E4	CORE	Perform preventive maintenance on active sonar systems
E4	CORE	Perform preventive maintenance on Anti-Submarine Warfare (ASW) fire control systems
E4	CORE	Perform preventive maintenance on computer and peripheral systems
E4	CORE	Perform preventive maintenance on network systems (e.g., Computer Information Systems Company (Cisco))
E4	CORE	Perform preventive maintenance on passive sonar systems
E4	CORE	Perform preventive maintenance on Tactical Display Systems (TDS)
E4	CORE	Perform preventive maintenance on towed array and handling equipment
E4	CORE	Perform preventive maintenance on Undersea Warfare Decision Support System (USW-DSS)
E4	CORE	Perform torpedo tube interface tests
E4	CORE	Perform towed array stream and recovery operations
E4	CORE	Prepare towed array and handling equipment for deployment and recovery operations
E4	CORE	Repair Undersea Warfare Decision Support System (USW-DSS)
E5	CORE	Supervise towed array stream and recovery operations
E4	CORE	Test active sonar systems
E4	CORE	Test Anti-Submarine Warfare (ASW) fire control systems
E4	CORE	Test computer and peripheral systems
E4	CORE	Test network interfaces (e.g., Aegis Weapon Systems (AWS), Embedded Training Systems (ETS), etc.)
E4	CORE	Test network systems (e.g., Computer Information Systems Company (Cisco))
E4	CORE	Test operating systems (e.g., Linux, Microsoft, etc.)
E4	CORE	Test passive sonar systems
E4	CORE	Test Tactical Display Systems (TDS)
E4	CORE	Test towed array and handling equipment
E4	CORE	Test Undersea Warfare Decision Support System (USW-DSS)
E4	CORE	Troubleshoot active sonar systems
E4	CORE	Troubleshoot Anti-Submarine Warfare (ASW) fire control systems
E4	CORE	Troubleshoot computer and peripheral systems
E4	CORE	Troubleshoot passive sonar systems
E4	CORE	Troubleshoot towed array and handling equipment
E4	CORE	Troubleshoot Undersea Warfare Decision Support System (USW-DSS)

UNDERSEA WARFARE (USW) PLANNING AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Expendable Bathythermograph (XBT) data
E4	CORE	Analyze projected and historical tactical oceanographic data
E4	CORE	Calculate best depths for submarines to avoid detection
E4	CORE	Calculate bottom loss predictions
E4	CORE	Calculate environmental range predictions
E4	CORE	Collect acoustic data media recordings
E6	CORE	Conduct acoustic and non-acoustic training
E6	CORE	Conduct sensor operator proficiency training
E4	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E4	CORE	Configure environmental range prediction systems
E4	CORE	Configure sonar systems for stand-alone training operations
E5	CORE	Configure torpedo countermeasure systems and equipment
E4	CORE	Deploy sonobuoys
E5	CORE	Develop threat briefs
E4	CORE	Handle Naval messages
E4	CORE	Interpret requirements from technical briefs, notices, and bulletins
E5	CORE	Mitigate biological and environmental effects on acoustic data
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E5	CORE	Prepare acoustic data media for shipment

WATCH TEAM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze active acoustic data
E4	CORE	Analyze in situ tactical oceanographic data
E4	CORE	Analyze passive acoustic data
E4	CORE	Analyze subsurface contacts
E4	CORE	Analyze surface contacts
E5	CORE	Assign subsurface contact priorities
E5	CORE	Assign surface contact priorities
E4	CORE	Assign symbology to subsurface contacts
E4	CORE	Assign symbology to surface contacts
E4	CORE	Calculate real-time sound propagation changes
E5	CORE	Calculate subsurface contact ranges
E5	CORE	Calculate surface contact ranges
E4	CORE	Calculate turn counts and Shaft Revolutions Per Minute (SRPM)
E4	CORE	Collect Acoustic Intelligence (ACINT) data
E4	CORE	Compute subsurface contact course and speed
E4	CORE	Compute surface contact course and speed

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Conduct active sonar searches
E4	CORE	Conduct Integrated Undersea Surveillance System (IUSS) operations
E4	CORE	Conduct passive sonar searches
E4	CORE	Conduct small object avoidance operations
E5	CORE	Conduct Target Motion Analyses (TMA)
E4	CORE	Configure active sonar systems
E5	CORE	Configure Anti-Submarine Warfare (ASW) fire control systems
E4	CORE	Configure passive sonar systems
E5	CORE	Correlate Acoustic Intelligence (ACINT) data
E5	CORE	Correlate multi-sensor data
E4	NON-CORE	Deploy emergency signal devices
E4	CORE	Deploy Expendable Mobile Anti-Submarine Training Targets (EMATT)
E4	CORE	Document underwater communications
E5	CORE	Engage subsurface targets with anti-submarine weapons
E4	CORE	Evaluate subsurface contact acoustic information
E4	CORE	Evaluate surface contact acoustic information
E4	CORE	Identify subsurface contact Closest Point of Approach (CPA)
E4	CORE	Identify subsurface contact geometries
E4	CORE	Identify surface contact Closest Point of Approach (CPA)
E4	CORE	Identify surface contact geometries
E5	CORE	Implement Anti-Submarine Warfare (ASW) doctrine statements
E5	CORE	Input Anti-Submarine Warfare (ASW) fire control parameters
E4	CORE	Input sonar Tactical Decision Aid (TDA) data
E4	CORE	Launch Expendable Bathythermographs (XBT)
E4	CORE	Log amplifying subsurface contact data
E4	CORE	Log amplifying surface contact data
E4	CORE	Make operational and situational reports
E4	CORE	Perform external communications (i.e., ship-to-ship, ship-to-shore, ship-to-air, and ship-to-sub)
E4	CORE	Plot Water Space Management (WSM) areas
E5	CORE	Recommend actions to reduce own ship's detectability
E5	CORE	Recommend evasive steering actions
E4	CORE	Recommend own ship's course and speed changes
E5	CORE	Recommend torpedo evasion actions
E5	CORE	Recommend torpedo evasion tactics
E5	CORE	Report assignment and engagement status of own ship's weapons systems
E4	CORE	Report biological effects on acoustic data
E4	CORE	Report bottom depths
E4	CORE	Report break point and ambient limited speeds

WATCH TEAM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Report environmental effects on acoustic data
E4	CORE	Report evasion devices and acoustic jamming
E4	CORE	Report initial subsurface contact classifications
E4	CORE	Report initial surface contact classifications
E4	CORE	Report sources of self-noise
E4	CORE	Report subsurface contact bearings
E4	CORE	Report subsurface contacts
E4	CORE	Report subsurface engagement Battle Damage Assessments (BDA)
E4	CORE	Report surface contact bearings
E4	CORE	Report surface contacts
E4	CORE	Report surface engagement Battle Damage Assessments (BDA)
E4	CORE	Resolve towed array ambiguities
E4	CORE	Set Emission Control (EMCON) conditions
E6	CORE	Supervise Integrated Undersea Surveillance System (IUSS) operations
E4	CORE	Track subsurface contacts
E4	CORE	Track surface contacts
E6	CORE	Transition sonar watch teams between conditions of readiness
E4	CORE	Update status boards
E4	CORE	Update subsurface contact information
E4	CORE	Update surface contact information

Job Title **Job Code**

Anti-submarine Warfare Technician 003748

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	ASW TECHNICIAN	ASW TECHNICIAN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	STG	VXXX and 7XXX series and other NECs as assigned

Job Description

Anti-Submarine Warfare Technicians maintain, troubleshoot, and repair sonar systems, underwater fire control systems, Computer Information Systems Company (Cisco) switches, networks, blade servers, and auxiliary equipment on surface ships and fixed shore stations; conduct maintenance on hydraulic systems, valves, and pneumatic systems; use shipboard equipment and fixed shore equipment to search, track, analyze, and interpret acoustic and oceanographic data for surface and subsurface contacts; and conduct ordnance handling.

DoD Relationship

Group Title	*DoD Code*
Sonar, General	113000

O*NET Relationship

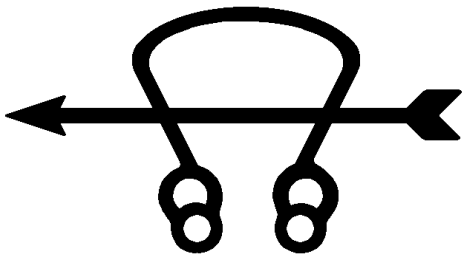
Occupation Title	*SOC Code*	*Job Family*
Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094.00	Installation, Maintenance, and Repair

Skills	Abilities
Quality Control Analysis	*Deductive Reasoning*
Systems Evaluation	*Written Comprehension*
Operation Monitoring	*Manual Dexterity*
Reading Comprehension	*Control Precision*
Repairing	*Problem Sensitivity*
Troubleshooting	*Inductive Reasoning*
Complex Problem Solving	*Oral Expression*
Operation and Control	*Written Expression*
Systems Analysis	*Information Ordering*
Equipment Maintenance	*Speech Clarity*

AUXILIARY AND SUPPORT SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Configure auxiliary air and cooling water systems
E4	CORE	Configure depth sounding systems
E4	CORE	Configure Expendable Mobile Anti-Submarine Training Targets (EMATT)
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Configure sonar dome pressurization systems
E4	CORE	Configure sonobuoys
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Configure underwater communication systems
E4	CORE	Perform corrosion prevention and control procedures on Anti-Submarine Warfare (ASW) systems
E4	CORE	Perform preventive maintenance on auxiliary air and cooling water systems
E4	CORE	Perform preventive maintenance on depth sounding systems
E4	CORE	Perform preventive maintenance on environmental range prediction systems
E4	CORE	Perform preventive maintenance on Expendable Bathythermograph (XBT) equipment
E4	CORE	Perform preventive maintenance on fiber optic cables and connectors
E4	CORE	Perform preventive maintenance on interconnecting cables and connectors

CHAPTER 74



SONAR TECHNICIAN (SUBMARINE)
(STS)

NAVPERS 18068F-74H
Change 103

Updated: July 2025

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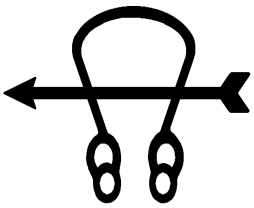
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

SONAR TECHNICIAN (SUBMARINE) (STS)



SCOPE OF RATING

Sonar Technicians, Submarine (STS) operate submarine sonar mainframe and auxiliary equipment to include controlling, evaluating and intercepting sonar data from oceanographic equipment; coordinate submarine sonar and underwater fire control interface; employ environmental monitoring equipment; and perform organizational and intermediate maintenance.

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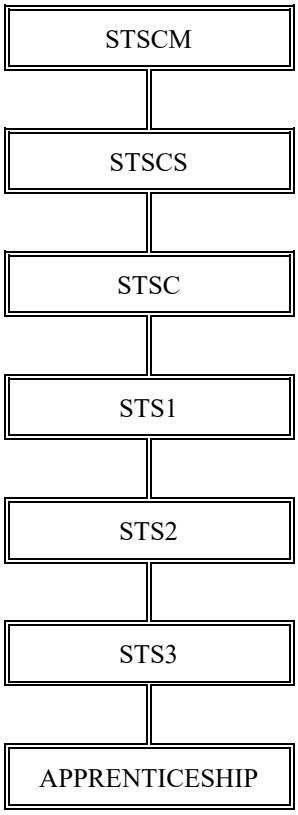
These Occupational Standards are to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 74.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN article 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Basic Sonar Operator

Job Code

001755

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Transportation and Material Moving	TBD	BASIC SONAR OPERATOR	BAS SONAR OPER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	STS	NEC TXXX and 7XXX series and other NECs as assigned

Job Description

Basic Sonar Operators detect, track, and classify surface and sub-surface contacts; conduct minor maintenance on and operate mainframe sonar systems, depth sounding equipment, and other auxiliary equipment; and perform towed array handling evolutions.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Sonar, General	113000	Air Traffic Controllers	53-2021.00	Transportation and Material Moving

Skills	Abilities
Complex Problem Solving	*Deductive Reasoning*
Critical Thinking	*Information Ordering*
Mathematics	*Flexibility of Closure*
Operation Monitoring	*Speed of Closure*
Systems Evaluation	*Auditory Attention*
Operation and Control	*Mathematical Reasoning*
Active Listening	*Problem Sensitivity*
Equipment Maintenance	*Written Comprehension*
Equipment Selection	*Control Precision*
Judgment and Decision Making	*Inductive Reasoning*

ACOUSTIC INTELLIGENCE

Paygrade	Task Type	Task Statements
E4	CORE	Calculate acoustic source relationships
E4	CORE	Calculate prime mover characteristics and component relationships
E4	CORE	Classify sonar contacts

ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Record towed array handling data

MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Conduct corrective maintenance on sonar equipment
E4	CORE	Conduct preventive maintenance on sonar equipment
E4	CORE	Correct sound isolation deficiencies
E4	CORE	Identify faults in fiber optic cabling, devices, and networks
E4	CORE	Identify sound isolation deficiencies
E4	CORE	Isolate electrical and hydraulic sonar equipment

OCEANOGRAPHY

Paygrade	Task Type	Task Statements
E4	CORE	Analyze data from tactical decision aids
E4	CORE	Analyze effects of environment on sonar operations
E4	CORE	Analyze real-time oceanographic data

OCEANOGRAPHY (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Develop recommendations based on real-time oceanographic data

SONAR EMPLOYMENT

Paygrade	Task Type	Task Statements
E4	CORE	Analyze contact data utilizing sonar equipment
E4	CORE	Analyze contact transient emissions
E4	CORE	Conduct towed array handling evolutions
E4	CORE	Configure workstation for system employment
E4	CORE	Correlate contacts utilizing multiple sensors (i.e., spherical array, towed array, and other hull sensors)
E4	CORE	Detect navigation hazards utilizing sonar equipment (active and passive)
E4	CORE	Provide contact management recommendations
E4	CORE	Track sonar contacts utilizing sonar equipment

SONAR FUNDAMENTALS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Doppler effects
E4	CORE	Analyze indications of contact range
E4	CORE	Analyze relative motion for contact management
E4	CORE	Calculate shaft Revolutions Per Minute (RPMs) by system employment
E4	CORE	Detect contacts utilizing passive sensors
E4	CORE	Report sonar data to sonar supervisor

Job Title

Advanced Sonar Operator

Job Code

001760

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Protective Service	TBD	SONAR OPERATOR	ADV SONAR OPER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	STS	NEC TXXX and 7XXX series and other NECs as assigned

Job Description

Advanced Sonar Operators maintain, troubleshoot, and repair sonar systems, fiber optic networks, and support equipment; operate mainframe sonar systems and auxiliary equipment to detect, track, and classify acoustic contacts; perform towed array handling and tactical oceanography employment; and collect and analyze oceanographic data.

DoD Relationship

O*NET Relationship

Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Sonar, General	113000	Intelligence Analysts	33-3021.06	Protective Service

Skills	Abilities
Complex Problem Solving	*Deductive Reasoning*
Operation Monitoring	*Information Ordering*
Systems Evaluation	*Flexibility of Closure*
Critical Thinking	*Problem Sensitivity*
Operation and Control	*Inductive Reasoning*
Mathematics	*Speed of Closure*
Coordination	*Written Comprehension*
Repairing	*Auditory Attention*
Systems Analysis	*Mathematical Reasoning*
Equipment Maintenance	*Visual Color Discrimination*

ACOUSTIC INTELLIGENCE

Paygrade	Task Type	Task Statements
E5	CORE	Analyze contact data to determine operational parameters
E4	CORE	Calculate acoustic source relationships
E4	CORE	Calculate prime mover characteristics and component relationships
E4	CORE	Classify sonar contacts
E5	CORE	Collect Acoustic Intelligence (ACINT) data

ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Manage Acoustic Signature Maintenance Log (ASML) entries
E5	CORE	Prepare Acoustic Intelligence (ACINT) recording packages
E4	CORE	Record towed array handling data

MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Conduct corrective maintenance on sonar equipment
E4	CORE	Conduct preventive maintenance on sonar equipment
E5	CORE	Correct fiber optic deficiencies
E4	CORE	Correct sound isolation deficiencies
E4	CORE	Identify faults in fiber optic cabling, devices, and networks
E4	CORE	Identify sound isolation deficiencies

MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Isolate electrical and hydraulic sonar equipment
E5	CORE	Maintain fiber optic network
E5	CORE	Monitor sonar system status
E5	NON-CORE	Prepare sonar dome for entry and ship's evolutions
E5	CORE	Troubleshoot sonar equipment

OCEANOGRAPHY

Paygrade	Task Type	Task Statements
E4	CORE	Analyze data from tactical decision aids
E4	CORE	Analyze effects of environment on sonar operations
E4	CORE	Analyze real-time oceanographic data
E5	CORE	Collect scientific oceanographic data
E4	CORE	Develop recommendations based on real-time oceanographic data
E5	CORE	Develop sonar search plans

SONAR EMPLOYMENT

Paygrade	Task Type	Task Statements
E5	CORE	Analyze active return characteristics
E4	CORE	Analyze contact data utilizing sonar equipment
E4	CORE	Analyze contact transient emissions
E4	CORE	Conduct towed array handling evolutions
E4	CORE	Configure workstation for system employment
E4	CORE	Correlate contacts utilizing multiple sensors (i.e., spherical array, towed array, and other hull sensors)
E4	CORE	Detect navigation hazards utilizing sonar equipment (active and passive)
E4	CORE	Provide contact management recommendations
E5	CORE	Provide recommendations for tactical security conditions
E4	CORE	Track sonar contacts utilizing sonar equipment

SONAR FUNDAMENTALS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Doppler effects
E4	CORE	Analyze indications of contact range
E5	CORE	Analyze own ship's noise offenders
E4	CORE	Analyze relative motion for contact management
E5	CORE	Analyze self-noise data to determine ship's signature
E4	CORE	Calculate shaft Revolutions Per Minute (RPMs) by system employment
E5	CORE	Collect self-noise data to determine ship signature
E5	CORE	Detect contacts utilizing own ship's active sonar
E4	CORE	Detect contacts utilizing passive sensors
E4	CORE	Report sonar data to sonar supervisor

Job Title

Sonar Supervisor

Job Code

001765

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	SONAR SUPERVISOR	SONAR SUPV

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	STS	NEC TXXX and 7XXX series and other NECs as assigned

Job Description

Sonar Supervisors manage the employment of undersea warfare equipment; evaluate, disseminate, and make tactical undersea warfare decisions; coordinate communications; oversee divisional and departmental operations, maintenance, training, tactical oceanography employment, and decision making; conduct critical work functions to support producing intelligence, processing and attacking targets; supervise equipment maintenance and repair; and provide personnel support.

DoD Relationship

Group Title	*DoD Code*
Sonar, General	113000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Command and Control Center Officers	55-1015.00	Military Specific

Skills	Abilities
Complex Problem Solving	*Information Ordering*
Operation Monitoring	*Deductive Reasoning*
Systems Evaluation	*Problem Sensitivity*
Coordination	*Flexibility of Closure*
Critical Thinking	*Inductive Reasoning*
Management of Material Resources	*Speed of Closure*
Operation and Control	*Written Comprehension*
Judgment and Decision Making	*Written Expression*
Mathematics	*Auditory Attention*
Management of Personnel Resources	*Mathematical Reasoning*

ACOUSTIC INTELLIGENCE

Paygrade	Task Type	Task Statements
E5	CORE	Analyze contact data to determine operational parameters
E4	CORE	Calculate acoustic source relationships
E4	CORE	Calculate prime mover characteristics and component relationships
E4	CORE	Classify sonar contacts
E5	CORE	Collect Acoustic Intelligence (ACINT) data

ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	CORE	Conduct tactical briefings (e.g., environmental conditions, expected frequencies, ship equipment characteristics, etc.)
E6	CORE	Coordinate data collection operations (e.g., exercise, mission set, torpedo testing, etc.)
E5	NON-CORE	Manage Acoustic Signature Maintenance Log (ASML) entries
E7	CORE	Manage sonar division administrative requirements (e.g., tactical decision aids, search plans, etc.)
E7	CORE	Manage sonar dome for entry and ship's evolutions
E6	CORE	Perform post-watch reconstruction for data collection and analysis
E5	CORE	Prepare Acoustic Intelligence (ACINT) recording packages
E4	CORE	Record towed array handling data

MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Conduct corrective maintenance on sonar equipment
E4	CORE	Conduct preventive maintenance on sonar equipment
E5	CORE	Correct fiber optic deficiencies
E4	CORE	Correct sound isolation deficiencies
E4	CORE	Identify faults in fiber optic cabling, devices, and networks
E4	CORE	Identify sound isolation deficiencies
E4	CORE	Isolate electrical and hydraulic sonar equipment
E5	CORE	Maintain fiber optic network
E5	CORE	Monitor sonar system status
E5	NON-CORE	Prepare sonar dome for entry and ship's evolutions
E7	CORE	Supervise sonar corrective maintenance evolutions
E6	CORE	Supervise sonar preventive maintenance evolutions
E5	CORE	Troubleshoot sonar equipment

OCEANOGRAPHY

Paygrade	Task Type	Task Statements
E4	CORE	Analyze data from tactical decision aids
E4	CORE	Analyze effects of environment on sonar operations
E4	CORE	Analyze real-time oceanographic data
E5	CORE	Collect scientific oceanographic data
E4	CORE	Develop recommendations based on real-time oceanographic data
E5	CORE	Develop sonar search plans

SONAR EMPLOYMENT

Paygrade	Task Type	Task Statements
E5	CORE	Analyze active return characteristics
E4	CORE	Analyze contact data utilizing sonar equipment
E4	CORE	Analyze contact transient emissions
E4	CORE	Conduct towed array handling evolutions
E4	CORE	Configure workstation for system employment
E4	CORE	Correlate contacts utilizing multiple sensors (i.e., spherical array, towed array, and other hull sensors)
E4	CORE	Detect navigation hazards utilizing sonar equipment (active and passive)
E4	CORE	Provide contact management recommendations
E5	CORE	Provide recommendations for tactical security conditions
E6	CORE	Provide recommendations for towed array employment
E6	CORE	Supervise sonar system employment
E6	CORE	Supervise towed array handling evolutions
E4	CORE	Track sonar contacts utilizing sonar equipment

SONAR FUNDAMENTALS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Doppler effects
E4	CORE	Analyze indications of contact range
E5	CORE	Analyze own ship's noise offenders
E4	CORE	Analyze relative motion for contact management
E5	CORE	Analyze self-noise data to determine ship's signature
E4	CORE	Calculate shaft Revolutions Per Minute (RPMs) by system employment
E5	CORE	Collect self-noise data to determine ship signature
E5	CORE	Detect contacts utilizing own ship's active sonar
E4	CORE	Detect contacts utilizing passive sensors

CHAPTER 75

STEELWORKER
(SW)

NAVPERS 18068F-75H
Change 100

Updated: October 2024

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

STEELWORKER (SW)

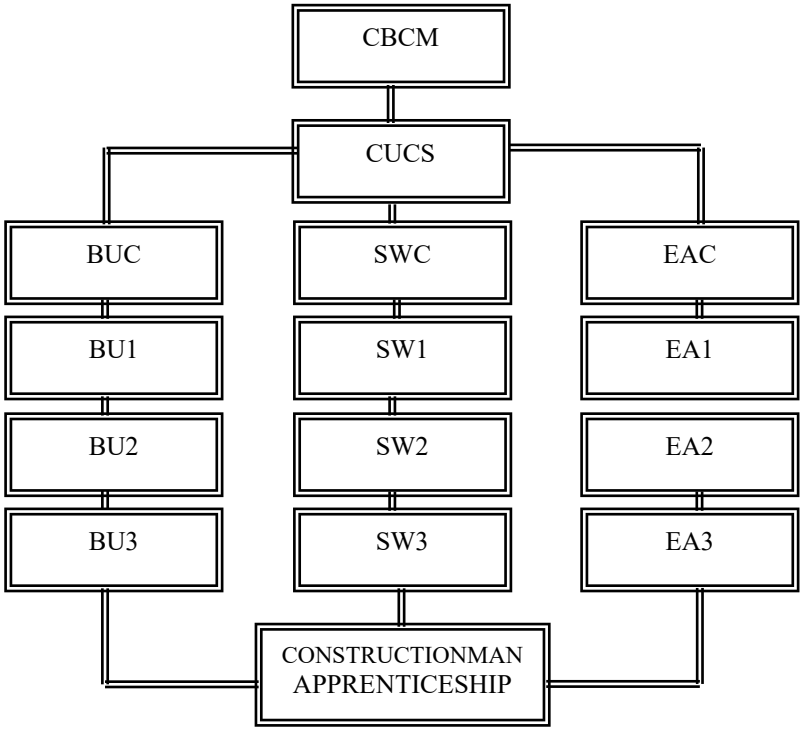
SCOPE OF RATING

Steelworkers (SW) perform tasks directly related to fabrication and erection of pre-engineered structures, including concrete and steel reinforcement; manage construction operations; deploy materials and equipment; direct and coordinate the composition of training and efforts of crews who fabricate, assemble, erect, position, and join structural members and fabricated sections; perform various welding and cutting operations; maintain combat readiness; and perform tasks required in combat and Defense Support of Civil Authorities (DSCA) and Humanitarian Assistance/Disaster Recovery (HADR) operations.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 75.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

* Career path updated to reflect rating name change to Seabee Master Chief (CBCM) – NAVADMIN 054/21 refers

Job Title
Steelworker

Job Code
001770

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	STEELWORKER	STEELWORKER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	SW	NEC BXXX series and other NECs as assigned

Job Description
Steelworkers (SW) perform tasks directly related to fabrication and erection of pre-engineered structures, including concrete and steel reinforcement; manage construction operations; deploy materials and equipment; direct and coordinate the composition of training and efforts of crews who fabricate, assemble, erect, position, and join structural members and fabricated sections; perform various welding and cutting operations; prepare progress reports, time records, construction schedules, material, labor, and tool and equipment estimates for construction projects; act as project managers, planning, staffing, directing, and controlling multiple construction projects to include problem solving, planning, estimating, scheduling, cost control, and personnel management ensuring compliance with specifications, code requirements, plans, and contracts; and act as project supervisors and trainers for junior personnel.

DoD Relationship

Group Title	*DoD Code*
Steelworking	171100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Welders, Cutters, Solderers, and Brazers	51-4121.00	Production

Skills	Abilities
Quality Control Analysis	*Problem Sensitivity*
Complex Problem Solving	*Deductive Reasoning*
Critical Thinking	*Information Ordering*
Operation and Control	*Dynamic Strength*
Equipment Selection	*Inductive Reasoning*
Management of Material Resources	*Oral Expression*
Judgment and Decision Making	*Written Comprehension*
Mathematics	*Arm-Hand Steadiness*
Reading Comprehension	*Visualization*
Monitoring	*Manual Dexterity*

ARC WELDING AND CUTTING

Paygrade	Task Type	Task Statements
E4	CORE	Cut ferrous metals using Plasma Arc Cutting (PAC) process
E4	CORE	Cut nonferrous metals using Plasma Arc Cutting (PAC) process
E4	CORE	Fabricate metal components
E4	CORE	Interpret welding symbols and standards from drawings and specifications
E4	CORE	Maintain arc welding and cutting equipment
E4	CORE	Perform arc welding operations in all positions (e.g., vertical, overhead, horizontal, etc.)
E6	CORE	Perform Certified Associate Welding Inspector (CAWI) functions
E7	CORE	Perform Certified Welding Inspector (CWI) functions
E4	NON-CORE	Perform destructive metal tests
E4	CORE	Perform flux cored arc welding operations in all positions (e.g., vertical, overhead, horizontal, etc.)
E5	NON-CORE	Perform maintenance welding operations
E4	NON-CORE	Perform metal stress relieving measures
E4	CORE	Perform non-destructive metal tests
E4	CORE	Prepare surfaces for welding
E5	CORE	Supervise arc welding and cutting operations

ARC WELDING AND CUTTING (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise flux cored arc welding operations
E5	CORE	Supervise metal component fabrications
E5	CORE	Validate weld in accordance with Welding Procedure Specifications (WPS)
E4	CORE	Weld ferrous and nonferrous metals using Gas Metal Arc Welding (GMAW) process
E4	CORE	Weld ferrous and nonferrous metals using Gas Tungsten Arc Welding (GTAW) process
E4	CORE	Weld ferrous and nonferrous metals using Shielded Metal Arc Welding (SMAW) process

CONCRETE CONSTRUCTION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Construct concrete forms
E5	NON-CORE	Establish building lines and elevations
E4	NON-CORE	Perform concrete finishes
E4	NON-CORE	Perform concrete mixing operations
E4	NON-CORE	Perform concrete placements
E4	NON-CORE	Place concrete formwork
E5	NON-CORE	Place embedments in formwork

CONSTRUCTION MANAGEMENT

Paygrade	Task Type	Task Statements
E6	CORE	Conduct construction project turnovers
E5	NON-CORE	Conduct safety inspections of projects
E6	NON-CORE	Conduct Three-Phase Quality Control inspections
E4	CORE	Develop construction activities
E4	CORE	Develop construction estimates
E5	CORE	Develop construction project packages
E4	CORE	Develop construction project sketches, diagrams, and shop drawings
E5	NON-CORE	Develop construction safety plans
E5	CORE	Develop environmental protection plans
E5	CORE	Develop master activities listing
E5	NON-CORE	Develop project Three-Phase Quality Control plans
E5	CORE	Establish construction site layouts
E4	CORE	Input project data into construction management software and tools
E5	CORE	Inspect construction materials
E5	CORE	Interpret construction project drawings and specifications
E4	CORE	Inventory project tools and materials
E4	CORE	Lead construction project crews
E6	CORE	Manage construction projects
E5	CORE	Manage construction safety plans
E6	CORE	Manage project Quality Control (QC) plans
E6	CORE	Manage Three-Phase Quality Control process

CONSTRUCTION MANAGEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Monitor construction project contracts
E5	CORE	Supervise construction project crews
E5	CORE	Supervise construction project safety operations
E5	CORE	Supervise construction projects
E5	CORE	Supervise environmental protection plans
E5	CORE	Supervise job site construction operations (e.g., Quality Control (QC) and safety plan implementation, job site information board, level III chart, etc.)
E5	CORE	Supervise planning and estimating operations
E5	CORE	Supervise project Three-Phase Quality Control process
E6	CORE	Validate construction project packages
E5	CORE	Validate project surveys and elevation data

EXPEDITIONARY CONSTRUCTION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Assess airfield damages (data collection)
E5	NON-CORE	Assess pier damages
E5	NON-CORE	Plan Airfield Damage Repairs (ADR) (e.g., operational length determination, repair quality criteria, operating surface selection, etc.)
E5	NON-CORE	Plan Pier Damage Repairs (PDR)
E4	NON-CORE	Repair damaged airfields (e.g., debris clearing, material staging, spall repair, crater repair, etc.)
E4	NON-CORE	Repair damaged piers
E7	NON-CORE	Supervise Airfield Damage Repair (ADR) operations
E7	NON-CORE	Supervise Pier Damage Repair (PDR) operations

OXYFUEL GAS CUTTING AND WELDING

Paygrade	Task Type	Task Statements
E4	NON-CORE	Bend pipes
E4	CORE	Cut ferrous metals using Oxyfuel Gas Cutting (OFC) equipment
E4	CORE	Fabricate pipes
E4	CORE	Interpret Oxyfuel Gas Cutting and Welding (OFC and OFW) symbols and standards from drawings and specifications
E4	CORE	Join metal using Brazing (B) process
E4	CORE	Maintain Oxyfuel Gas Cutting and Welding (OFC and OFW) equipment
E4	CORE	Prepare metal joints for Oxyfuel Gas Welding (OFW) and Brazing (B) processes
E4	CORE	Prepare oxyfuel gas equipment for cutting and welding
E4	CORE	Solder metals
E5	CORE	Supervise Oxyfuel Gas Cutting and Welding (OFC and OFW) operations
E5	CORE	Validate cutting process
E5	CORE	Validate Oxyfuel Gas Cutting and Welding (OFC and OFW) operations
E4	CORE	Weld metal joints using Oxyfuel Gas Welding (OFW) process

REINFORCING STEEL (RST)

Paygrade	Task Type	Task Statements
E4	CORE	Bend Reinforcing Steel (RST)
E4	CORE	Develop Reinforcing Steel (RST) bending schedules
E4	CORE	Fabricate Reinforcing Steel (RST) components
E4	CORE	Interpret Reinforcing Steel (RST) bending schedules
E4	CORE	Place Reinforcing Steel (RST) components
E5	CORE	Supervise Reinforcing Steel (RST) component fabrication and placement
E5	CORE	Validate Reinforcing Steel (RST) component fabrication and placement

SHEET METAL

Paygrade	Task Type	Task Statements
E4	CORE	Assemble sheet metal components
E5	CORE	Assemble sheet metal systems
E4	CORE	Develop sheet metal patterns
E4	CORE	Develop sheet metal sketches and diagrams
E4	CORE	Fabricate sheet metal components
E4	CORE	Interpret sheet metal drawings and specifications
E4	CORE	Maintain sheet metal tools and equipment
E5	CORE	Supervise sheet metal component fabrication operations
E5	CORE	Validate sheet metal component installations

SPECIAL CONSTRUCTION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct launch and recovery bridging systems operations (e.g., Mabey Johnson, Medium Girder Bridge (MGB), heavy timber)
E4	NON-CORE	Construct non-standard bridging (gap crossing)
E4	CORE	Erect pre-engineered structures (i.e., K-Span, tension fabric, Pre-Engineered Buildings (PEB), fabricated steel buildings, steel towers, and antennas)
E4	NON-CORE	Fabricate cold-formed steel floor, wall, and roof assemblies
E4	NON-CORE	Install cold-formed steel framing components and prefabricated assemblies
E4	NON-CORE	Install cold-formed steel wall and roof sheathing
E4	CORE	Interpret special construction drawings and specifications
E6	CORE	Manage special construction assembly operations
E5	NON-CORE	Manufacture cold-formed steel framing components
E5	NON-CORE	Manufacture cold-formed steel wall and roof sheathing
E5	CORE	Supervise special construction assembly operations

CHAPTER 76

TORPEDOMAN'S MATE
(TM)

NAVPERS 18068F-76I
Change 99

Updated: July 2024

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

TORPEDOMAN'S MATE (TM)

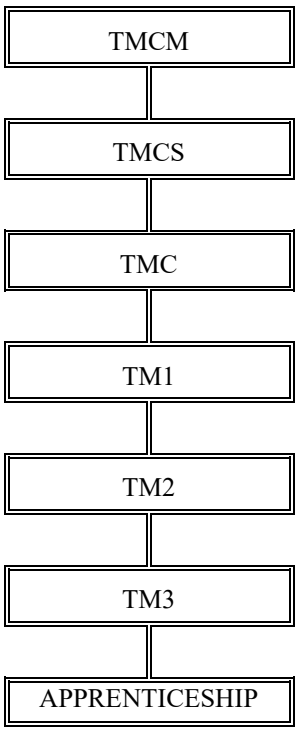
SCOPE OF RATING

Torpedoman's Mate (TM) perform organizational and intermediate level maintenance on test equipment, launching/firing systems, and stowage facilities associated with underwater ordnance, to include hydraulic systems, air systems, and seawater systems associated with launching/firing systems; perform organizational maintenance on underwater ordnance, small arms, and ammunition; prepare underwater ordnance for launching to include conducting pre-launch and post-launch routines; and perform operations and organizational maintenance on submarine anchoring systems

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 76.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Tactical Weapons Operator

Job Code

001537

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Military Specific	TBD	TACTICAL WEAPONS OPERATOR	TACT WEP OPER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	TM	NEC QXXX and 7XXX series and other NECs as assigned

Job Description

Tactical Weapons Operators perform operations and basic-level maintenance of submarine anchor systems, Arms, Ammunition, and Explosives (AA&E), weapons shipping and handling systems, submarine-launched mines, missiles, and torpedoes, weapons delivery systems, Vertical Launch Systems (VLS)/Virginia Payload Tubes (VPT), Virginia Payload Modules (VPM), and countermeasure systems; participate in weapons handling evolutions; support the processing and attack of targets; provide munitions to weapon systems and security for operational forces; and repair and maintain weapons systems and equipment.

DoD Relationship

Group Title	*DoD Code*
Torpedo Repair	112300

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members, All Others	55-3019.00	Military Specific

Skills	Abilities
Operation and Control	*Written Comprehension*
Operation Monitoring	*Problem Sensitivity*
Equipment Maintenance	*Manual Dexterity*
Management of Material Resources	*Multi-limb Coordination*
Reading Comprehension	*Finger Dexterity*
Quality Control Analysis	*Control Precision*
Active Listening	*Oral Comprehension*
Repairing	*Written Expression*
Systems Evaluation	*Near Vision*
Writing	*Selective Attention*

ARMS, AMMUNITION, AND EXPLOSIVES (AA&E)

Paygrade	Task Type	Task Statements
E4	CORE	Inspect Arms, Ammunition, and Explosives (AA&E)
E4	CORE	Inventory Arms, Ammunition, and Explosives (AA&E)
E4	CORE	Maintain magazines and lockers
E4	CORE	Maintain security force equipment
E4	CORE	Maintain small arms and crew-served weapons
E4	CORE	Perform ammunition and countermeasure transfers
E4	CORE	Test Arms, Ammunition, and Explosives (AA&E)

DAMAGE CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Combat torpedo room casualties
E4	CORE	Combat weapons casualties

EXTERNAL LAUNCH SYSTEM MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Employ Vertical Launch Systems (VLS)/Virginia Payload Tube (VPT)/Virginia Payload Modules (VPM)
E4	CORE	Maintain Vertical Launch Systems (VLS)/Virginia Payload Tube VPT)/Virginia Payload Modules (VPM)

EXTERNAL LAUNCH SYSTEM MAINTENANCE AND OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Repair Vertical Launch Systems (VLS)/Virginia Payload Tube (VPT)/Virginia Payload Modules (VPM)

ORDNANCE MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct receipt or transfer inspections
E4	CORE	Control operations of general purpose electronic test equipment (GPETE)
E4	CORE	Handle submarine ordnance
E4	CORE	Launch submarine ordnance
E4	CORE	Maintain submarine launched ordnance
E4	CORE	Test torpedoes
E4	CORE	Test Vertical Launch System (VLS)/Virginia Payload Tube (VPT) tomahawk cruise missiles/Virginia Payload Modules (VPM)

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E4	CORE	Perform Quality Assurance (QA) testing

SIGNAL EJECTOR SYSTEM MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust countermeasure launcher systems
E4	NON-CORE	Control operations of internal auxiliary launcher in all modes
E4	CORE	Control operations of internal countermeasure launcher in all modes
E4	CORE	Maintain countermeasure launcher systems
E4	CORE	Repair countermeasure launcher systems
E4	CORE	Test countermeasure launcher systems

SUPPORT SYSTEMS MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Control operations of air system components
E4	CORE	Control operations of anchor system components
E4	CORE	Control operations of hydraulic system components
E4	CORE	Control operations of manually controlled valves
E4	CORE	Control operations of weapons monitoring equipment
E4	CORE	Inspect seals, gaskets, and O-rings
E5	CORE	Inspect tanks and voids
E4	CORE	Maintain air system components
E4	CORE	Maintain anchor systems
E4	CORE	Maintain hydraulic system components
E4	CORE	Maintain shipboard valves
E4	CORE	Repair air system components
E4	CORE	Repair anchor systems
E4	CORE	Repair hydraulic system components
E4	CORE	Repair shipboard valves

SUPPORT SYSTEMS MAINTENANCE AND OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Replace seals, gaskets, and O-rings

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Maintain Arms, Ammunition, and Explosives (AA&E) records
E4	CORE	Maintain torpedo and missile record books
E4	CORE	Maintain weight test and calibration records

TORPEDO TUBE SYSTEM MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Control operations of nitrogen systems
E4	CORE	Employ weapons delivery systems
E4	CORE	Maintain weapons delivery systems
E4	CORE	Repair weapons delivery systems

WEAPONS HANDLING / SHIPPING SYSTEMS MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust weapons handling systems
E4	CORE	Adjust weapons shipping systems
E4	CORE	Clean weapons handling systems
E4	CORE	Clean weapons shipping systems
E4	CORE	Employ weapons handling systems
E4	CORE	Employ weapons shipping systems
E4	CORE	Maintain weapons handling systems
E4	CORE	Maintain weapons shipping systems
E4	CORE	Perform rigging operations
E4	CORE	Perform weapons delivery system evolutions
E4	CORE	Perform weapons handling evolutions
E4	CORE	Perform weapons shipping evolutions
E4	CORE	Repair weapons handling systems
E4	CORE	Repair weapons shipping systems

Job Title **Job Code**

Tactical Weapons Manager 001542

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Production	TBD	TACTICAL WEAPONS MANAGER	TACT WEP MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	TM	NEC QXXX and 7XXX series and other NECs as assigned

Job Description

Tactical Weapons Managers manage the operations of submarine anchor systems, Arms, Ammunition, and Explosives (AA&E), weapons shipping and handling systems, submarine-launched mines, missiles, and torpedoes, weapons delivery systems, Vertical Launch Systems (VLS)/Virginia Payload Tubes (VPT), Virginia Payload Modules (VPM), and countermeasure systems; supervise the employment of weapons systems and weapons handling evolutions; coordinate communications; and oversee divisional and departmental operations, maintenance, and training.

DoD Relationship

Group Title	*DoD Code*
Torpedo Repair	112300

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Production and Operating Workers	51-1011.00	Production

Skills	Abilities
Management of Personnel Resources	*Problem Sensitivity*
Coordination	*Written Comprehension*
Management of Material Resources	*Information Ordering*
Monitoring	*Selective Attention*
Reading Comprehension	*Inductive Reasoning*
Operation and Control	*Oral Expression*
Quality Control Analysis	*Visualization*
Complex Problem Solving	*Time Sharing*
Instructing	*Speech Clarity*
Writing	*Written Expression*

ARMS, AMMUNITION, AND EXPLOSIVES (AA&E)

Paygrade	Task Type	Task Statements
E4	CORE	Conduct force protection training
E5	NON-CORE	Conduct small arms qualifications
E6	CORE	Manage ammunition and countermeasure transfers

DAMAGE CONTROL

Paygrade	Task Type	Task Statements
E6	CORE	Direct torpedo room casualty procedures
E5	CORE	Direct weapons casualty procedures
E6	CORE	Manage weapons casualty procedures

EXTERNAL LAUNCH SYSTEM MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Conduct Vertical Launch System (VLS)/Virginia Payload Tube (VPT) /Virginia Payload Modules (VPM) evolutions
E7	CORE	Supervise Vertical Launch System (VLS)/Virginia Payload Tube VPT)/Virginia Payload Modules (VPM) operations

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E6	CORE	Audit Quality Assurance (QA) packages
E4	CORE	Create Quality Assurance (QA) packages
E6	CORE	Supervise Quality Assurance (QA) testing

QUALITY ASSURANCE (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Verify Quality Assurance (QA) packages

SUPPORT SYSTEMS MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Direct weapons monitoring equipment operations

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E7	NON-CORE	Audit Antiterrorism/Force Protection (AT/FP) security plans
E7	CORE	Audit Arms, Ammunition, and Explosives (AA&E) records
E7	CORE	Audit ordnance certification records
E7	NON-CORE	Audit ship's Antiterrorism/Force Protection (AT/FP) preplanned responses
E6	CORE	Audit torpedo and missile record books
E6	CORE	Audit weight test and calibration records
E6	CORE	Coordinate departmental maintenance
E5	CORE	Coordinate divisional maintenance
E7	CORE	Coordinate equipment alterations and modifications
E7	NON-CORE	Develop ship's Antiterrorism/Force Protection (AT/FP) preplanned responses
E7	CORE	Maintain ordnance handling certification records
E7	CORE	Validate Arms, Ammunition, and Explosives (AA&E) records
E5	CORE	Verify weight test and calibration records

TORPEDO TUBE SYSTEM MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Conduct weapons delivery systems evolutions
E7	CORE	Supervise weapons delivery system operations

WEAPONS HANDLING / SHIPPING SYSTEMS MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Direct rigging operations
E5	CORE	Direct weapons handling operations
E5	CORE	Direct weapons shipping operations
E6	CORE	Supervise rigging operations
E6	CORE	Supervise weapons handling operations
E7	CORE	Supervise weapons shipping operations

Job Title **Job Code**

Tactical Weapons Technician 001547

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	TACTICAL WEAPONS TECHNICIAN	TACT WEP TECH

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	TM	NEC QXXX and 7XXX series and other NECs as assigned

Job Description

Tactical Weapons Technicians perform organizational maintenance, intermediate maintenance, and advanced systems operations of submarine anchor systems, Arms, Ammunition, and Explosives (AA&E), weapons shipping and handling systems, submarine-launched mines, missiles, and torpedoes, weapons delivery systems, Vertical Launch Systems (VLS)/Virginia Payload Tubes (VPT), Virginia Payload Modules (VPM), and countermeasure systems; supervise divisional operations, maintenance, and training; supervise and participate in weapons handling evolutions; support the processing and attack of targets; provide munitions to weapon systems and security for operational forces; and repair and maintain weapons systems and equipment.

DoD Relationship

Group Title	*DoD Code*
Torpedo Repair	112300

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Control and Valve Installers and Repairers, Except Mechanical Door	49-9012.00	Installation, Maintenance, and Repair

Skills	Abilities
Operation and Control	*Written Comprehension*
Operation Monitoring	*Problem Sensitivity*
Equipment Maintenance	*Manual Dexterity*
Management of Material Resources	*Multi-limb Coordination*
Reading Comprehension	*Finger Dexterity*
Management of Personnel Resources	*Information Ordering*
Coordination	*Control Precision*
Quality Control Analysis	*Oral Comprehension*
Active Listening	*Selective Attention*
Repairing	*Oral Expression*

ARMS, AMMUNITION, AND EXPLOSIVES (AA&E)

Paygrade	Task Type	Task Statements
E4	CORE	Conduct force protection training
E5	NON-CORE	Conduct small arms qualifications
E4	CORE	Inspect Arms, Ammunition, and Explosives (AA&E)
E4	CORE	Inventory Arms, Ammunition, and Explosives (AA&E)
E4	CORE	Maintain magazines and lockers
E4	CORE	Maintain security force equipment
E4	CORE	Maintain small arms and crew-served weapons
E6	CORE	Manage ammunition and countermeasure transfers
E4	CORE	Perform ammunition and countermeasure transfers
E4	CORE	Test Arms, Ammunition, and Explosives (AA&E)

DAMAGE CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Combat torpedo room casualties
E4	CORE	Combat weapons casualties
E5	CORE	Direct weapons casualty procedures

EXTERNAL LAUNCH SYSTEM MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Conduct Vertical Launch System (VLS)/Virginia Payload Tube (VPT) /Virginia Payload Modules (VPM) evolutions
E4	CORE	Employ Vertical Launch Systems (VLS)/Virginia Payload Tube (VPT)/Virginia Payload Modules (VPM)
E4	CORE	Maintain Vertical Launch Systems (VLS)/Virginia Payload Tube VPT)/Virginia Payload Modules (VPM)
E6	CORE	Repair Vertical Launch Systems (VLS)/Virginia Payload Tube (VPT)/Virginia Payload Modules (VPM)

ORDNANCE MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct receipt or transfer inspections
E4	CORE	Control operations of general purpose electronic test equipment (GPETE)
E4	CORE	Handle submarine ordnance
E4	CORE	Launch submarine ordnance
E4	CORE	Maintain submarine launched ordnance
E4	CORE	Test torpedoes
E4	CORE	Test Vertical Launch System (VLS)/Virginia Payload Tube (VPT) tomahawk cruise missiles/Virginia Payload Modules (VPM)

QUALITY ASSURANCE

Paygrade	Task Type	Task Statements
E4	CORE	Create Quality Assurance (QA) packages
E4	CORE	Perform Quality Assurance (QA) testing

SIGNAL EJECTOR SYSTEM MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust countermeasure launcher systems
E4	NON-CORE	Control operations of internal auxiliary launcher in all modes
E4	CORE	Control operations of internal countermeasure launcher in all modes
E4	CORE	Maintain countermeasure launcher systems
E4	CORE	Repair countermeasure launcher systems
E4	CORE	Test countermeasure launcher systems

SUPPORT SYSTEMS MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Control operations of air system components
E4	CORE	Control operations of anchor system components
E4	CORE	Control operations of hydraulic system components
E4	CORE	Control operations of manually controlled valves
E4	CORE	Control operations of weapons monitoring equipment
E4	CORE	Coordinate tube draining operations
E4	CORE	Direct weapons monitoring equipment operations
E4	CORE	Inspect seals, gaskets, and O-rings
E5	CORE	Inspect tanks and voids

SUPPORT SYSTEMS MAINTENANCE AND OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain air system components
E4	CORE	Maintain anchor systems
E4	CORE	Maintain hydraulic system components
E4	CORE	Maintain shipboard valves
E4	CORE	Repair air system components
E4	CORE	Repair anchor systems
E4	CORE	Repair hydraulic system components
E4	CORE	Repair shipboard valves
E4	CORE	Replace seals, gaskets, and O-rings

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	CORE	Audit torpedo and missile record books
E5	CORE	Coordinate divisional maintenance
E5	CORE	Maintain Arms, Ammunition, and Explosives (AA&E) records
E4	CORE	Maintain torpedo and missile record books
E4	CORE	Maintain weight test and calibration records
E5	CORE	Verify weight test and calibration records

TORPEDO TUBE SYSTEM MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Repair weapons delivery systems
E6	CORE	Conduct weapons delivery systems evolutions
E4	CORE	Control operations of nitrogen systems
E4	CORE	Employ weapons delivery systems
E4	CORE	Maintain weapons delivery systems

WEAPONS HANDLING / SHIPPING SYSTEMS MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Adjust weapons handling systems
E4	CORE	Adjust weapons shipping systems
E4	CORE	Clean weapons handling systems
E4	CORE	Clean weapons shipping systems
E5	CORE	Direct rigging operations
E5	CORE	Direct weapons handling operations
E5	CORE	Direct weapons shipping operations
E4	CORE	Employ weapons handling systems
E4	CORE	Employ weapons shipping systems
E4	CORE	Maintain weapons handling systems
E4	CORE	Maintain weapons shipping systems
E4	CORE	Perform rigging operations
E4	CORE	Perform weapons delivery system evolutions

CHAPTER 77

UTILITIESMAN
(UT)

NAVPERS 18068F-77H
Change 100

Updated: October 2024

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

UTILITIESMAN (UT)

SCOPE OF RATING

Utilitiesmen (UT) plan, supervise, manage, and perform tasks involved in installation, maintenance, and repair of plumbing, heating, steam, compressed air, fuel storage and distribution systems, water treatment and distribution systems, air conditioning and refrigeration equipment, and waste water management systems, as prescribed by blueprints, drawings and specifications; schedule and evaluate installation and operational tasks; prepare records and reports; maintain individual combat readiness; and perform tasks required in combat and disaster preparedness or recovery operations.

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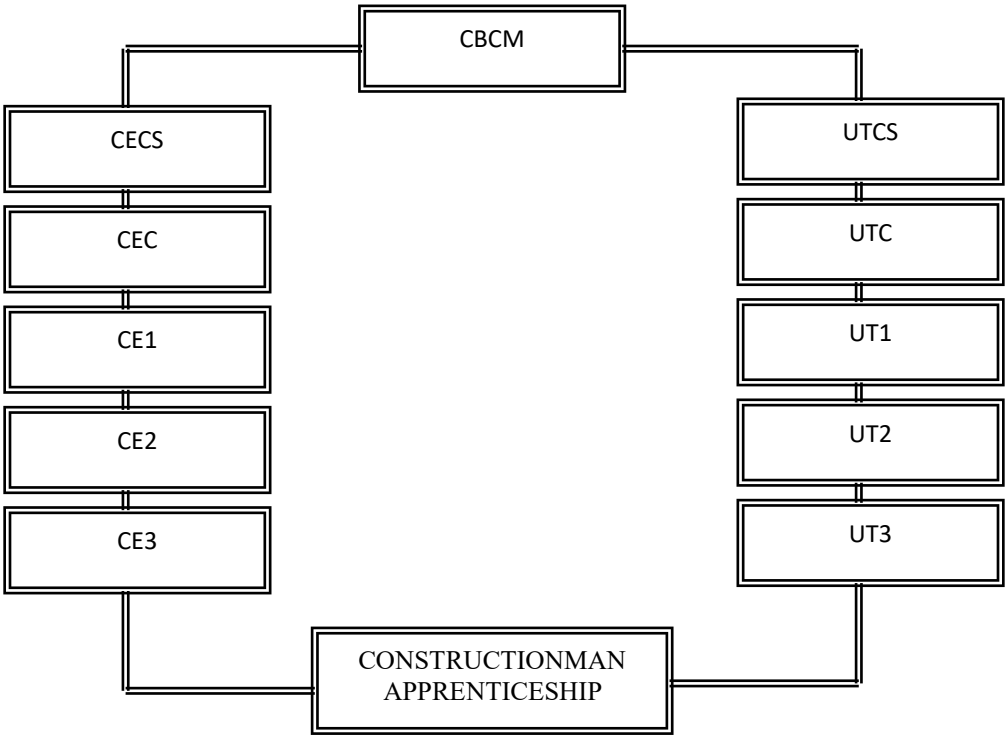
This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 77.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

*Career path updated to reflect rating name change to Seabee Master Chief (CBCM) – NAVADMIN 054/21 refers

Job Title
Utilitiesman

Job Code
001797

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Construction and Extraction	TBD	UTILITIESMAN	UTILITIESMAN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	UT	NEC BXXX series and other NECs as assigned

Job Description
Utilitiesmen (UT) plan, supervise, manage, and perform tasks involved in installation, maintenance, and repair of plumbing, heating, steam, compressed air, fuel storage and distribution systems, water treatment and distribution systems, air conditioning and refrigeration equipment, and waste water systems, as prescribed by blueprints, drawings and specifications; schedule and evaluate installation and operational tasks; prepare time records, progress reports, construction schedules, and material, labor, tool and equipment estimates for construction projects; act as project managers, staffing, directing, and controlling multiple construction projects to include problem solving, planning, estimating, scheduling, cost control, and personnel management ensuring compliance with specifications, code requirements, plans, and contracts; and function as a project supervisor and subject matter expert.

DoD Relationship

Group Title	*DoD Code*
Utilities, General	172000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Plumbers, Pipefitters, and Steamfitters	47-2152.00	Construction and Extraction

Skills	Abilities
Management of Material Resources	*Oral Expression*
Management of Personnel Resources	*Multi-limb Coordination*
Operation Monitoring	*Deductive Reasoning*
Repairing	*Inductive Reasoning*
Troubleshooting	*Problem Sensitivity*
Equipment Maintenance	*Visualization*
Equipment Selection	*Information Ordering*
Installation	*Written Comprehension*
Reading Comprehension	*Written Expression*
Systems Analysis	*Manual Dexterity*

BOILERS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct boiler system operational checks
E4	CORE	Conduct corrective maintenance on boiler systems
E4	CORE	Conduct preventive maintenance on boiler systems
E6	NON-CORE	Develop sketches and diagrams for boiler supply and return systems
E4	CORE	Install boiler systems
E4	CORE	Interpret boiler blueprints and specifications
E7	NON-CORE	Manage boiler installation and maintenance operations
E6	NON-CORE	Supervise boiler installation and maintenance operations
E4	CORE	Troubleshoot boiler electrical system components

CONSTRUCTION MANAGEMENT

Paygrade	Task Type	Task Statements
E5	CORE	Conduct construction project turnovers
E6	NON-CORE	Conduct Three-Phase Quality Control inspections
E4	CORE	Develop construction activities
E4	CORE	Develop construction estimates
E5	CORE	Develop construction project packages
E4	CORE	Develop construction project sketches, diagrams, and shop drawings
E4	CORE	Develop construction safety plans

CONSTRUCTION MANAGEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Develop environmental protection plans
E5	CORE	Develop master activities listing
E4	CORE	Develop project Three-Phase Quality Control plans
E5	CORE	Establish construction site layouts
E5	CORE	Input project data into construction management software and tools
E5	CORE	Inspect construction materials
E4	CORE	Interpret construction project blueprints and specifications
E4	CORE	Inventory project tools and materials
E5	CORE	Lead construction project crews
E7	CORE	Manage construction project resources
E7	CORE	Manage construction projects
E7	CORE	Manage construction safety plans
E7	CORE	Manage job site construction operations (e.g., Quality Control (QC) and safety plan implementation, job site information board, level III chart, etc.)
E7	CORE	Manage project Quality Control (QC) plans
E7	CORE	Manage Three-Phase Quality Control process
E6	CORE	Supervise construction project crews
E5	NON-CORE	Supervise construction project safety operations
E6	CORE	Supervise construction project turnovers
E5	CORE	Supervise environmental protection plans
E6	CORE	Supervise planning and estimating operations
E6	CORE	Supervise project Three-Phase Quality Control process
E6	CORE	Validate construction project packages
E6	NON-CORE	Validate construction project safety plans
E5	NON-CORE	Validate project surveys and elevation data
E5	NON-CORE	Verify construction project contract requirements

EXPEDITIONARY CONSTRUCTION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Assess airfield damages (i.e., data collection)
E5	NON-CORE	Assess pier damages
E6	NON-CORE	Plan Airfield Damage Repairs (ADR) (e.g., operational length determination, repair quality criteria, operating surface selection, etc.)
E6	NON-CORE	Plan Pier Damage Repairs (PDR)
E4	NON-CORE	Repair damaged airfields (e.g., debris clearing, material staging, spall repair, crater repair, etc.)
E4	NON-CORE	Repair damaged piers
E7	NON-CORE	Supervise Airfield Damage Repair (ADR) operations
E7	NON-CORE	Supervise Pier Damage Repairs (PDR)

FACILITIES MANAGEMENT

Paygrade	Task Type	Task Statements
E4	CORE	Conduct facilities corrective maintenance
E4	CORE	Conduct facilities preventive maintenance
E5	CORE	Inspect facilities systems
E7	NON-CORE	Manage facilities maintenance contracts
E6	CORE	Manage facilities maintenance operations (e.g., Camp Maintenance, 3M, MAXIMO, etc.)
E5	NON-CORE	Perform sewage treatment plant operations
E5	NON-CORE	Perform water treatment plant operations
E5	CORE	Supervise facilities maintenance (e.g., Camp Maintenance, 3M, MAXIMO, etc.)

HEATING, VENTILATING, AIR CONDITIONING, AND REFRIGERATION (HVAC/R)

Paygrade	Task Type	Task Statements
E4	CORE	Conduct corrective maintenance on Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) systems
E4	CORE	Conduct Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) system operational checks
E4	CORE	Conduct preventive maintenance on Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) systems
E5	NON-CORE	Develop sketches and diagrams for Heating, Ventilating, Air Conditioning, and Refrigeration (HVAC/R) systems
E4	CORE	Install Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) systems
E4	CORE	Interpret Heating, Ventilating, Air Conditioning, and Refrigeration (HVAC/R) blueprints and specifications
E7	CORE	Manage Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) installation and maintenance
E6	CORE	Supervise Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) installation and maintenance
E4	CORE	Troubleshoot Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) electrical system components

PLUMBING

Paygrade	Task Type	Task Statements
E4	CORE	Conduct corrective maintenance on Drain Waste Vent (DWV) systems
E4	CORE	Conduct corrective maintenance on sewer systems
E4	CORE	Conduct corrective maintenance on storm water drainage systems
E4	CORE	Conduct corrective maintenance on water distribution systems
E4	CORE	Conduct preventive maintenance on sewer systems
E4	CORE	Conduct preventive maintenance on storm water drainage systems
E4	CORE	Conduct preventive maintenance on water distribution systems
E4	CORE	Develop sketches and diagrams for Drain Waste Vent (DWV) systems
E4	CORE	Develop sketches and diagrams for plumbing systems
E4	CORE	Establish plumbing system elevations
E4	CORE	Install Drain Waste Vent (DWV) systems
E4	CORE	Install sewer systems
E4	CORE	Install storm water drainage systems

PLUMBING (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Install water distribution systems and components
E4	CORE	Interpret plumbing blueprints and specifications
E4	CORE	Interpret sewer system blueprints and specifications
E7	CORE	Manage Drain Waste Vent (DWV) installation and maintenance operations
E7	CORE	Manage plumbing systems installation and maintenance operations
E6	CORE	Supervise Drain Waste Vent (DWV) installation and maintenance operations
E6	CORE	Supervise plumbing system installation and maintenance operations

PUMPS AND COMPRESSED AIR SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct corrective maintenance on compressed air systems (i.e., general systems under 398 psi)
E4	CORE	Conduct corrective maintenance on pumps and compressors (i.e., general systems under 398 psi)
E4	CORE	Conduct preventive maintenance on compressed air systems (i.e., general systems under 398 psi)
E4	CORE	Conduct preventive maintenance on pumps and compressors (i.e., general systems under 398 psi)
E4	CORE	Develop sketches and diagrams for compressed air systems (i.e., general systems under 398 psi)
E4	CORE	Install compressed air systems (i.e., general systems under 398 psi)
E4	CORE	Install pumps and compressors (i.e., general systems under 398 psi)
E4	CORE	Interpret compressed air system blueprints and specifications (i.e., general systems under 398 psi)
E7	CORE	Manage compressed air systems installation and maintenance operations (i.e., general systems under 398 psi)
E7	CORE	Manage pumps and compressors installation and maintenance operations (i.e., general systems under 398 psi)
E6	CORE	Supervise compressed air systems installation and maintenance operations (i.e., general systems under 398 psi)
E6	CORE	Supervise pumps and compressors installation and maintenance operations (i.e., general systems under 398 psi)

UTILITIES EQUIPMENT

Paygrade	Task Type	Task Statements
E4	NON-CORE	Conduct bulk fuel storage system operational checks
E4	NON-CORE	Conduct corrective maintenance on galley equipment
E4	CORE	Conduct corrective maintenance on laundry equipment
E4	CORE	Conduct corrective maintenance on shower systems
E4	NON-CORE	Conduct preventive maintenance on galley equipment
E4	CORE	Conduct preventive maintenance on laundry equipment
E4	CORE	Conduct preventive maintenance on shower systems
E4	NON-CORE	Install bulk fuel storage systems
E4	NON-CORE	Install galley equipment
E4	CORE	Install laundry equipment

UTILITIES EQUIPMENT (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Install shower systems
E7	NON-CORE	Manage bulk fuel storage installation and maintenance operations
E7	CORE	Manage utilities equipment installation and maintenance operations (e.g., laundry systems, shower systems, etc.)
E4	NON-CORE	Perform corrective maintenance on bulk fuel storage systems
E4	NON-CORE	Perform preventive maintenance on bulk fuel storage systems
E6	NON-CORE	Supervise bulk fuel storage installation and maintenance operations
E6	CORE	Supervise utilities equipment installation and maintenance operations (e.g., laundry systems, shower systems, etc.)

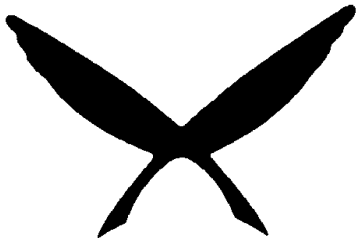
WASTE WATER SYSTEMS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct corrective maintenance on waste water treatment systems
E4	CORE	Conduct preventive maintenance on waste water treatment systems
E4	CORE	Conduct waste water treatment system operational checks
E4	CORE	Develop sketches and diagrams for waste water systems
E4	CORE	Install waste water treatment systems
E4	CORE	Interpret waste water system blueprints and specifications
E7	CORE	Manage waste water treatment system installation and maintenance operations
E6	CORE	Supervise waste water treatment system installation and maintenance operations

WATER TREATMENT

Paygrade	Task Type	Task Statements
E4	CORE	Conduct corrective maintenance on water treatment systems
E4	CORE	Conduct preventive maintenance on water treatment systems
E4	CORE	Conduct water treatment systems operational checks
E4	CORE	Install water treatment systems
E7	CORE	Manage water treatment system installation and maintenance operations
E5	CORE	Select water source locations
E6	CORE	Supervise water treatment system installation and maintenance operations

CHAPTER 79



YEOMAN
(YN)

NAVPERS 18068-79G
Change 105

Updated: January 2026

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

YEOMAN (YN)

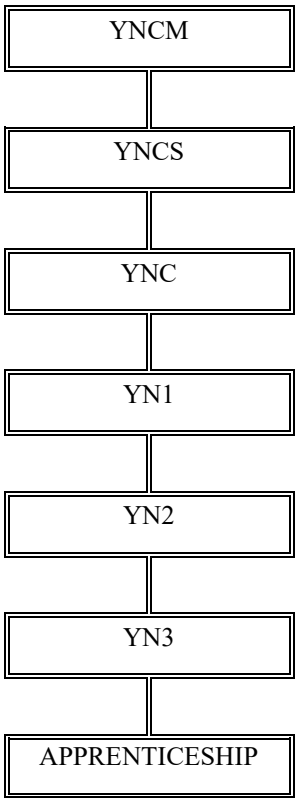
SCOPE OF RATING

Yeomen (YN) perform human resource duties to include the following: clerical, customer service, personnel/physical security, and general administrative duties; type, file, and route correspondence; address pay and personnel matters; maintain records, reports, and publications; prepare and distribute official mail; provide administrative support for legal proceedings and maintain legal files; provide guidance on social and protocol matters, and serve as executive office managers.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 79.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Administrative Assistant

Job Code

001802

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Office and Administrative Support	TBD	ADMINISTRATIVE ASSISTANT	ADMIN ASST

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	YN	NEC 7XXX, AXXX series and other NECs as assigned

Job Description

Administrative Assistants assist in daily office operations; prepare, type, and route correspondence and reports; and operate personal computers, reproduction machines, audio-recording devices, and other office machines.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Administrators, General	270100	Office Clerks, General	43-9061.00	Office and Administrative Support

Skills	Abilities
Reading Comprehension	*Written Comprehension*
Writing	*Written Expression*
Monitoring	*Information Ordering*
Coordination	*Inductive Reasoning*
Critical Thinking	*Oral Expression*
Management of Material Resources	*Oral Comprehension*
Systems Evaluation	*Category Flexibility*
Service Orientation	*Problem Sensitivity*
Mathematics	*Deductive Reasoning*
Speaking	*Selective Attention*

COMMAND PAY AND PERSONNEL ADMINISTRATOR (CPPA)

Paygrade	Task Type	Task Statements
E5	CORE	Create pay and entitlement allowance documents
E4	CORE	Create Salesforce pay and personnel transactions
E4	CORE	Draft dependent entry approval messages
E4	CORE	Prepare personnel documents (e.g., Transfer Information Sheet (TIS), Permanent Change of Station (PCS) notifications, etc.)
E5	CORE	Prepare separation and retirement documents
E4	CORE	Process pay documents

CORRESPONDENCE

Paygrade	Task Type	Task Statements
E4	CORE	Conduct annual directive reviews
E4	CORE	Draft classification markings on correspondence and directives
E4	CORE	Prepare command muster reports
E4	CORE	Prepare correspondence
E4	CORE	Prepare letters of authority (e.g., by direction, designation letters, etc.)
E4	CORE	Prepare naval messages (e.g., special duty assignment, overseas screening, delay reporting, etc.)
E4	CORE	Prepare Plan of the Day (POD)/Plan of the Week (POW)
E4	CORE	Process award recommendations and citations (e.g., personal, unit, etc.)
E4	CORE	Process correspondence
E4	CORE	Update ticklers (e.g., awards, correspondence, directives, personnel, etc.)

LEGAL

Paygrade	Task Type	Task Statements
E5	CORE	Draft Deserter/Absentee Wanted by Armed Forces (DD FORM 553) forms
E4	CORE	Prepare Administrative Separation (ADSEP) packages
E4	CORE	Prepare Non-Judicial Punishment (NJP) documents
E4	CORE	Prepare Record of Unauthorized Absence (NAVPERS 1070/606) forms
E4	CORE	Prepare Report and Disposition of Offense(s) (NAVPERS 1626/7) forms
E4	CORE	Record disciplinary proceedings actions

SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Administer inadvertent disclosure oaths
E4	NON-CORE	Assist personnel in completing security clearance paperwork (e.g., Defense Information System for Security (DISS), National Background Investigation Services (NBIS), etc.)
E5	NON-CORE	Conduct security briefings
E5	NON-CORE	Conduct Sensitive Compartmented Information (SCI) eligibility pre-screens
E4	CORE	Control classified mail
E4	NON-CORE	Distribute materials to Defense Courier Service (DCS) stations
E4	NON-CORE	Initiate security clearances (e.g., Tier 3, Tier 5, etc.)
E4	NON-CORE	Input data into Defense Information System for Security (DISS)
E4	NON-CORE	Inventory classified materials
E4	NON-CORE	Issue Sensitive Compartmented Information Facility (SCIF) security badges
E4	NON-CORE	Prepare classified materials for transport
E4	NON-CORE	Prepare inbound/outbound Defense Courier Service (DCS) inventories
E4	NON-CORE	Process security termination statements
E4	NON-CORE	Review National Background Investigation Services (NBIS) investigation questionnaires for accuracy
E4	NON-CORE	Verify Sensitive Compartmented Information Facility (SCIF) security badge system access requirements

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Archive awards documents
E5	CORE	Compute Pay Entry Base Dates (PEBD) and Active Duty Service Dates (ADSD)
E5	CORE	Counsel personnel on pay, allowances and entitlements
E5	CORE	Create formal invitations
E4	CORE	Create leave routing in Navy Standard Integrated Personnel System (NSIPS)
E4	CORE	Create records management files
E4	CORE	Create social/alpha rosters
E4	CORE	File administrative materials
E4	CORE	File separation and retirement documents
E4	CORE	File Servicemembers' Group Life Insurance (SGLI)/Family Servicemembers' Group Insurance (FSGLI) documents
E4	CORE	Maintain command directive case files
E4	CORE	Maintain social/alpha rosters

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Prepare directives (e.g., instructions, notices, publications, manuals, etc.)
E4	CORE	Prepare Electronic Service Record (ESR) entries
E4	CORE	Prepare failed to report messages
E4	CORE	Process official mail
E4	CORE	Validate Dependency Application (NAVPERS 1070/602) and Record of Emergency Data (DD FORM 93) forms

TRAVEL

Paygrade	Task Type	Task Statements
E4	NON-CORE	Create North Atlantic Treaty Organization (NATO) travel orders
E5	CORE	Prepare Request and Authorization for Temporary Duty (TDY) Travel of Department of Defense (DoD) Personnel (DD FORM 1610) forms
E4	CORE	Process funded emergency leave requests
E4	CORE	Process Government Travel Charge Card (GTCC) applications
E4	CORE	Review Defense Travel System (DTS) authorizations and vouchers
E4	CORE	Track travel claim submissions and liquidations

Job Title

Administrative Supervisor

Job Code

001810

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Office and Administrative Support	TBD	ADMINISTRATIVE SUPERVISOR	ADMIN SUPV

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	YN	NEC 7XXX, AXXX series and other NECs as assigned

Job Description

Administrative Supervisors train and supervise administrative personnel; organize and maintain files, records, and official publications; perform daily administrative operations; and support legal proceedings.

DoD Relationship

Group Title	*DoD Code*
Administration, General	151000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	43-6014.00	Office and Administrative Support

Skills	Abilities
Reading Comprehension	*Written Comprehension*
Monitoring	*Written Expression*
Writing	*Information Ordering*
Coordination	*Inductive Reasoning*
Systems Evaluation	*Oral Expression*
Critical Thinking	*Oral Comprehension*
Management of Material Resources	*Category Flexibility*
Mathematics	*Deductive Reasoning*
Active Listening	*Problem Sensitivity*
Instructing	*Visualization*

COMMAND PAY AND PERSONNEL ADMINISTRATOR (CPPA)

Paygrade	Task Type	Task Statements
E7	CORE	Certify separation and retirement documentation
E6	CORE	Certify Special Duty Assignment Pay (SDAP)
E5	CORE	Create pay and entitlement allowance documents
E4	CORE	Create Salesforce pay and personnel transactions
E4	CORE	Draft dependent entry approval messages
E4	CORE	Prepare personnel documents (e.g., Transfer Information Sheet (TIS), Permanent Change of Station (PCS) notifications, etc.)
E5	CORE	Prepare separation and retirement documents
E5	CORE	Process Navy Enlisted Classification (NEC) code change requests
E4	CORE	Process pay documents
E5	CORE	Verify expired gain and loss events
E6	CORE	Verify Special Duty Assignment Pay (SDAP) recertifications
E5	CORE	Verify transfer travel document submissions (e.g., Permanent Change of Station (PCS), Temporary Lodging Expense (TLE), Temporary Lodging Allowance (TLA), etc.)

CORRESPONDENCE

Paygrade	Task Type	Task Statements
E4	CORE	Conduct annual directive reviews
E5	CORE	Distribute message traffic
E4	CORE	Draft classification markings on correspondence and directives
E5	NON-CORE	Format inquiry replies (e.g., congressional, executive, etc.)

CORRESPONDENCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Prepare command muster reports
E4	CORE	Prepare correspondence
E4	CORE	Prepare letters of authority (e.g., by direction, designation letters, etc.)
E4	CORE	Prepare naval messages (e.g., special duty assignment, overseas screening, delay reporting, etc.)
E6	CORE	Prepare Sailing Lists
E4	CORE	Process award recommendations and citations (e.g., personal, unit, etc.)
E4	CORE	Process correspondence
E4	CORE	Update ticklers (e.g., awards, correspondence, directives, personnel, etc.)

LEGAL

Paygrade	Task Type	Task Statements
E6	CORE	Authenticate Deserter/Absentee Wanted by Armed Forces (DD FORM 553) data
E5	CORE	Control Court Memorandum (NAVPERS 1070/607) forms
E5	CORE	Draft Deserter/Absentee Wanted by Armed Forces (DD FORM 553) forms
E5	CORE	Maintain Unit Punishment Books (UPB)
E6	CORE	Prepare administrative board documents
E4	CORE	Prepare Administrative Separation (ADSEP) packages
E5	CORE	Prepare command investigation reports
E6	CORE	Prepare letters of reprimand or admonishment
E4	CORE	Prepare Non-Judicial Punishment (NJP) documents
E4	CORE	Prepare Record of Unauthorized Absence (NAVPERS 1070/606) forms
E4	CORE	Prepare Report and Disposition of Offense(s) (NAVPERS 1626/7) forms
E4	CORE	Record disciplinary proceedings actions
E5	CORE	Verify Administrative Separation (ADSEP) correspondence
E7	CORE	Verify command investigation records
E5	CORE	Verify Non-Judicial Punishment (NJP) actions (e.g., restrictions, reductions, Preliminary Investigation (PI), etc.)
E6	CORE	Verify Non-Judicial Punishment (NJP) documents

SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Administer inadvertent disclosure oaths
E4	NON-CORE	Assist personnel in completing security clearance paperwork (e.g., Defense Information System for Security (DISS), National Background Investigation Services (NBIS), etc.)
E7	NON-CORE	Assist personnel with Sensitive Compartmented Information (SCI) access ineligibility appeals
E5	NON-CORE	Brief Department of Defense Central Adjudication Facility (DODCAF) Letter of Intent (LOI) procedures
E5	NON-CORE	Change combination lock codes
E5	NON-CORE	Conduct Emergency Action Plan (EAP) training
E5	NON-CORE	Conduct security briefings
E5	NON-CORE	Conduct Sensitive Compartmented Information (SCI) eligibility pre-screens

SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct Special Security Representative (SSR) training
E4	CORE	Control classified mail
E7	NON-CORE	Coordinate construction of Sensitive Compartmented Information Facility (SCIF) (e.g., creation, modification, disestablishment, etc.)
E6	NON-CORE	Coordinate with Department of Defense Central Adjudication Facility (DODCAF) and Office of Personnel Management (OPM) on personnel security issues
E4	NON-CORE	Distribute materials to Defense Courier Service (DCS) stations
E5	NON-CORE	Implement Emergency Action Plans (EAP)
E4	NON-CORE	Initiate security clearances (e.g., Tier 3, Tier 5, etc.)
E4	NON-CORE	Input data into Defense Information System for Security (DISS)
E6	NON-CORE	Inspect Sensitive Compartmented Information Facilities (SCIF)
E4	NON-CORE	Inventory classified materials
E4	NON-CORE	Issue Sensitive Compartmented Information Facility (SCIF) security badges
E6	NON-CORE	Maintain physical and personnel security awareness programs
E5	NON-CORE	Monitor Defense Information System for Security (DISS) personnel security processes
E4	NON-CORE	Prepare classified materials for transport
E6	NON-CORE	Prepare foreign exception packages
E4	NON-CORE	Prepare inbound/outbound Defense Courier Service (DCS) inventories
E5	NON-CORE	Prepare monthly Sensitive Compartmented Information (SCI) personnel security violation reports
E5	NON-CORE	Prepare Security Access Eligibility Reports (SAER)
E5	NON-CORE	Process Defense Courier Service (DCS) Authorization Records (USTRANSCOM IMT 10)
E5	NON-CORE	Process foreign area clearance requests
E4	NON-CORE	Process security termination statements
E5	NON-CORE	Request Sensitive Compartmented Information (SCI) access upgrades
E4	NON-CORE	Review National Background Investigation Services (NBIS) investigation questionnaires for accuracy
E5	NON-CORE	Update Emergency Action Plans (EAP)
E6	NON-CORE	Verify personnel security investigation requests National Background Investigation Services (NBIS)
E4	NON-CORE	Verify Sensitive Compartmented Information Facility (SCIF) security badge system access requirements

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Compute Pay Entry Base Dates (PEBD) and Active Duty Service Dates (ADSD)
E5	NON-CORE	Control personal correspondence of executive level personnel
E6	CORE	Coordinate formal command ceremonies (e.g., Change of Command (CoC), commissioning, decommissioning, etc.)
E5	CORE	Counsel personnel on pay, allowances and entitlements
E5	CORE	Create formal invitations
E4	CORE	Create leave routing in Navy Standard Integrated Personnel System (NSIPS)

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Create records management files
E4	CORE	File administrative materials
E5	NON-CORE	Maintain command biographies
E4	CORE	Maintain command directive case files
E4	CORE	Maintain social/alpha rosters
E6	CORE	Manage command fitness report and evaluation programs (i.e., Reporting Senior Cumulative Average (RSCA))
E6	CORE	Manage directives review programs
E5	CORE	Manage forms control programs
E5	CORE	Manage Navy Family Accountability and Assessment System (NFAAS) command data
E6	CORE	Manage Navy Standard Integrated Personnel System (NSIPS) accounts
E6	CORE	Manage official mail control programs
E7	CORE	Manage records management programs
E5	CORE	Manage reports (e.g., action, control, recurring, etc.)
E4	CORE	Prepare directives (e.g., instructions, notices, publications, manuals, etc.)
E4	CORE	Prepare Electronic Service Record (ESR) entries
E5	CORE	Prepare seating charts
E5	CORE	Process fitness reports and enlisted performance evaluations
E6	CORE	Release naval messages
E5	CORE	Request Officer Distribution Control Reports (ODCR)
E5	CORE	Track formal invitation responses
E5	CORE	Update Personnel Tempo (PERSTEMPO) records
E4	CORE	Validate Dependency Application (NAVPERS 1070/602) and Record of Emergency Data (DD FORM 93) forms
E6	CORE	Verify command muster reports
E5	NON-CORE	Verify Electronic Service Record (ESR) entries
E6	NON-CORE	Verify interviewers' appraisal sheets
E5	CORE	Verify Leave Request/Authorization (NAVCOMPT Form 3065) forms

TRAVEL

Paygrade	Task Type	Task Statements
E6	CORE	Manage command Defense Travel System (DTS) programs
E6	CORE	Manage Government Travel Charge Card (GTCC) programs
E6	CORE	Manage Temporary Additional Duty (TAD) programs
E5	CORE	Prepare Request and Authorization for Temporary Duty (TDY) Travel of Department of Defense (DoD) Personnel (DD FORM 1610) forms
E6	CORE	Prepare Temporary Additional Duty Travel Target (TADTAR) funding budget reports
E4	CORE	Process Government Travel Charge Card (GTCC) applications
E4	CORE	Review Defense Travel System (DTS) authorizations and vouchers
E4	CORE	Track travel claim submissions and liquidations

Job Title

Office Manager

Job Code

001815

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	OFFICE MANAGER	OFFICE MANAGER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	YN	NEC 7XXX, AXXX series and other NECs as assigned

Job Description

Office Managers supervise personnel administration; distribute procedures and policies; manage office duty assignments and administrative work; provide customer service to increase compliance and evaluate job performance; and interface and advise executive level personnel.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Administration, General	151000	Administrative Services Managers	11-3012.00	Management

Skills	Abilities
Reading Comprehension	*Written Comprehension*
Monitoring	*Written Expression*
Writing	*Inductive Reasoning*
Coordination	*Information Ordering*
Critical Thinking	*Oral Expression*
Systems Evaluation	*Oral Comprehension*
Management of Material Resources	*Category Flexibility*
Mathematics	*Problem Sensitivity*
Instructing	*Number Facility*
Learning Strategies	*Selective Attention*

COMMAND PAY AND PERSONNEL ADMINISTRATOR (CPPA)

Paygrade	Task Type	Task Statements
E7	CORE	Certify separation and retirement documentation
E6	CORE	Certify Special Duty Assignment Pay (SDAP)
E4	CORE	Create Salesforce pay and personnel transactions
E4	CORE	Prepare personnel documents (e.g., Transfer Information Sheet (TIS), Permanent Change of Station (PCS) notifications, etc.)
E5	CORE	Process Navy Enlisted Classification (NEC) code change requests
E4	CORE	Process pay documents
E5	CORE	Verify expired gain and loss events
E6	CORE	Verify Special Duty Assignment Pay (SDAP) recertifications
E5	CORE	Verify transfer travel document submissions (e.g., Permanent Change of Station (PCS), Temporary Lodging Expense (TLE), Temporary Lodging Allowance (TLA), etc.)

CORRESPONDENCE

Paygrade	Task Type	Task Statements
E4	CORE	Conduct annual directive reviews
E5	CORE	Distribute message traffic
E5	NON-CORE	Format inquiry replies (e.g., congressional, executive, etc.)
E6	CORE	Prepare Sailing Lists
E4	CORE	Process award recommendations and citations (e.g., personal, unit, etc.)
E4	CORE	Process correspondence
E4	CORE	Update ticklers (e.g., awards, correspondence, directives, personnel, etc.)

LEGAL

Paygrade	Task Type	Task Statements
E6	CORE	Authenticate Deserter/Absentee Wanted by Armed Forces (DD FORM 553) data
E5	CORE	Control Court Memorandum (NAVPERS 1070/607) forms
E5	CORE	Maintain Unit Punishment Books (UPB)
E6	CORE	Prepare administrative board documents
E4	CORE	Prepare Administrative Separation (ADSEP) packages
E5	CORE	Prepare command investigation reports
E6	CORE	Prepare letters of reprimand or admonishment
E4	CORE	Prepare Non-Judicial Punishment (NJP) documents
E4	CORE	Prepare Record of Unauthorized Absence (NAVPERS 1070/606) forms
E4	CORE	Prepare Report and Disposition of Offense(s) (NAVPERS 1626/7) forms
E4	CORE	Record disciplinary proceedings actions
E5	CORE	Verify Administrative Separation (ADSEP) correspondence
E7	CORE	Verify command investigation records
E5	CORE	Verify Non-Judicial Punishment (NJP) actions (e.g., restrictions, reductions, Preliminary Investigation (PI), etc.)
E6	CORE	Verify Non-Judicial Punishment (NJP) documents

SECURITY

Paygrade	Task Type	Task Statements
E4	CORE	Administer inadvertent disclosure oaths
E7	NON-CORE	Assist personnel with Sensitive Compartmented Information (SCI) access ineligibility appeals
E5	NON-CORE	Brief Department of Defense Central Adjudication Facility (DODCAF) Letter of Intent (LOI) procedures
E5	NON-CORE	Change combination lock codes
E5	NON-CORE	Conduct Emergency Action Plan (EAP) training
E5	NON-CORE	Conduct security briefings
E5	NON-CORE	Conduct Sensitive Compartmented Information (SCI) eligibility pre-screens
E5	NON-CORE	Conduct Special Security Representative (SSR) training
E4	CORE	Control classified mail
E7	NON-CORE	Coordinate construction of Sensitive Compartmented Information Facility (SCIF) (e.g., creation, modification, disestablishment, etc.)
E6	NON-CORE	Coordinate with Department of Defense Central Adjudication Facility (DODCAF) and Office of Personnel Management (OPM) on personnel security issues
E4	NON-CORE	Distribute materials to Defense Courier Service (DCS) stations
E5	NON-CORE	Implement Emergency Action Plans (EAP)
E4	NON-CORE	Initiate security clearances (e.g., Tier 3, Tier 5, etc.)
E4	NON-CORE	Input data into Defense Information System for Security (DISS)
E6	NON-CORE	Inspect Sensitive Compartmented Information Facilities (SCIF)
E4	NON-CORE	Inventory classified materials
E4	NON-CORE	Issue Sensitive Compartmented Information Facility (SCIF) security badges
E6	NON-CORE	Maintain physical and personnel security awareness programs

SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Monitor Defense Information System for Security (DISS) personnel security processes
E4	NON-CORE	Prepare classified materials for transport
E6	NON-CORE	Prepare foreign exception packages
E4	NON-CORE	Prepare inbound/outbound Defense Courier Service (DCS) inventories
E5	NON-CORE	Prepare monthly Sensitive Compartmented Information (SCI) personnel security violation reports
E5	NON-CORE	Prepare Security Access Eligibility Reports (SAER)
E5	NON-CORE	Process Defense Courier Service (DCS) Authorization Records (USTRANSCOM IMT 10)
E5	NON-CORE	Process foreign area clearance requests
E5	NON-CORE	Request Sensitive Compartmented Information (SCI) access upgrades
E4	NON-CORE	Review National Background Investigation Services (NBIS) investigation questionnaires for accuracy
E7	CORE	Transport classified materials
E5	NON-CORE	Update Emergency Action Plans (EAP)
E6	NON-CORE	Verify personnel security investigation requests National Background Investigation Services (NBIS)
E4	NON-CORE	Verify Sensitive Compartmented Information Facility (SCIF) security badge system access requirements

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Control personal correspondence of executive level personnel
E6	CORE	Coordinate formal command ceremonies (e.g., Change of Command (CoC), commissioning, decommissioning, etc.)
E5	CORE	Counsel personnel on pay, allowances and entitlements
E7	CORE	Create Enlisted Manning Inquiry Reports (EMIRS)
E7	CORE	Create Personnel and Manning Activity Reports (PERSMAR)
E5	NON-CORE	Maintain command biographies
E4	CORE	Maintain command directive case files
E6	CORE	Manage command fitness report and evaluation programs (i.e., Reporting Senior Cumulative Average (RSCA))
E6	CORE	Manage directives review programs
E5	CORE	Manage forms control programs
E5	CORE	Manage Navy Family Accountability and Assessment System (NFAAS) command data
E6	CORE	Manage official mail control programs
E7	CORE	Manage records management programs
E5	CORE	Manage reports (e.g., action, control, recurring, etc.)
E4	CORE	Prepare directives (e.g., instructions, notices, publications, manuals, etc.)
E4	CORE	Prepare Electronic Service Record (ESR) entries
E7	NON-CORE	Prepare executive speeches
E5	CORE	Process fitness reports and enlisted performance evaluations
E7	NON-CORE	Process Navy-wide examination answer sheets

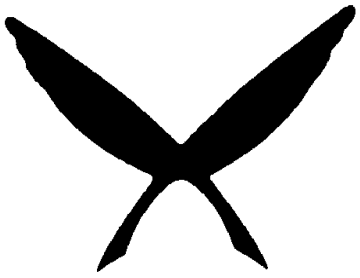
TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Process Personnel and Manning Activity Reports (PERSMAR)
E6	CORE	Release naval messages
E5	CORE	Request Officer Distribution Control Reports (ODCR)
E5	CORE	Track formal invitation responses
E5	CORE	Update Personnel Tempo (PERSTEMPO) records
E7	CORE	Validate Billet Sequence Code (BSC) change requests
E4	CORE	Validate Dependency Application (NAVPERS 1070/602) and Record of Emergency Data (DD FORM 93) forms
E7	CORE	Validate Distribution Navy Enlisted Classification (DNEC) code change requests
E7	CORE	Validate Enlisted Manning Inquiry Reports (EMIR)
E6	CORE	Verify command muster reports
E7	NON-CORE	Verify completion of enlisted advancement worksheets
E5	NON-CORE	Verify Electronic Service Record (ESR) entries
E6	NON-CORE	Verify interviewers' appraisal sheets
E5	CORE	Verify Leave Request/Authorization (NAVCOMPT Form 3065) forms

TRAVEL

Paygrade	Task Type	Task Statements
E7	CORE	Approve Defense Travel System (DTS) authorizations and vouchers
E6	CORE	Manage command Defense Travel System (DTS) programs
E6	CORE	Manage Government Travel Charge Card (GTCC) programs
E6	CORE	Manage Temporary Additional Duty (TAD) programs
E6	CORE	Prepare Temporary Additional Duty Travel Target (TADTAR) funding budget reports
E7	CORE	Verify collection of Defense Travel System (DTS) travel claim overpayments
E7	CORE	Verify Temporary Additional Duty Travel Target (TADTAR) funding budget reports

CHAPTER 79



YEOMAN (SUBMARINE)
(YNS)

NAVPERS 18068F-79B
Change 104

Updated: October 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

YEOMAN (SUBMARINE) (YNS)

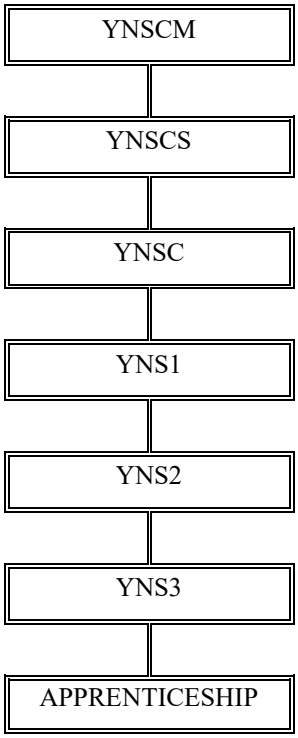
SCOPE OF RATING

Yeomen (Submarine) (YNS) perform clerical, customer service, and pay and personnel functions; perform personnel security; perform general administrative duties (e.g., typing, filing, preparation, and routing of correspondence and reports, making Electronic Service Record (ESR) entries, etc.); maintain records and publications; counsel office personnel on administrative matters; perform administrative actions in support of shipboard legal proceedings and maintain shipboard legal files; perform reporting and detaching procedures and retention and transition counseling; manage, arrange, review, and approve personnel travel; process and dispatch all classes of mail and parcel post; perform other personnel-related functions; and serve as executive office managers.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 79.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Submarine Administrative Assistant 002765

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Office and Administrative Support	TBD	SUB ADMINISTRATIVE ASSISTANT	SUB ADMIN ASST

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	YNS	NEC 7XXX series and other NECs as assigned

Job Description

Submarine Administrative Assistants assist in daily operations of administrative offices onboard submarines and at shore facilities; prepare, type, and route correspondence and reports; and operate personal computers, multi-function devices, media devices, and other office systems.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Administrators, General	270100	Executive Secretaries and Executive Administrative Assistants	43-6011.00	Office and Administrative Support

Skills	Abilities
Writing	*Speed of Closure*
Coordination	*Problem Sensitivity*
Monitoring	*Information Ordering*
Reading Comprehension	*Selective Attention*
Operation and Control	*Written Expression*
Management of Material Resources	*Written Comprehension*
Systems Evaluation	*Category Flexibility*
Management of Personnel Resources	*Deductive Reasoning*
Quality Control Analysis	*Inductive Reasoning*
Critical Thinking	*Mathematical Reasoning*

COMMAND PAY AND PERSONNEL ADMINISTRATION (CPPA)

Paygrade	Task Type	Task Statements
E4	CORE	Certify Authorization to Apply for A "No-Fee" Passport and/or Request for Visa (DD FORM 1056) applications
E4	CORE	Create routing organizations in E-Leave
E4	CORE	Create Salesforce pay and personnel transactions
E4	CORE	Obtain command-level access to Navy Standard Integrated Personnel System (NSIPS)
E4	CORE	Obtain command-view access to Electronic Service Records (ESR)
E4	CORE	Prepare Advance Pay Certification/Authorization (DD FORM 2560) forms
E4	CORE	Prepare applications for transfer and advances
E4	CORE	Prepare Electronic Service Records (ESR)
E4	CORE	Prepare Page 13 entries (i.e., Administrative Remarks (NAVPERS 1070/613))
E4	CORE	Prepare pay entitlement and allowance documents (e.g., Career Sea Pay Premium (CSPP), Special Duty Assignment Pay (SDAP), special pay, etc.)
E4	CORE	Prepare personnel documents (e.g., personnel receipts, Permanent Change of Station (PCS) notifications, command ceremonies, etc.)
E4	CORE	Prepare receipt transactions
E4	CORE	Prepare separation and retirement documents
E4	CORE	Process Dependency Application (NAVPERS 1070/602) forms
E4	CORE	Process dependent transportation requests
E4	NON-CORE	Process Electronic Funds Transfer (EFT) forms
E4	CORE	Process pay documents
E4	CORE	Process Temporary Lodging Allowance (TLA) forms

COMMAND PAY AND PERSONNEL ADMINISTRATION (CPPA) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Process Temporary Lodging Expense (TLE) forms
E4	CORE	Reconcile leave balances
E4	CORE	Verify Passenger Reservation Requests (PRR)
E4	CORE	Verify Servicemembers' Group Life Insurance (SGLI) (SGLV 8286)/Spouse Coverage Election and Certificate (SGLV 8286A) documents

CORRESPONDENCE

Paygrade	Task Type	Task Statements
E4	CORE	Conduct annual directive reviews
E4	CORE	Draft classification markings on correspondence and directives
E4	CORE	Draft Naval messages (e.g., overseas screening, delay reporting, etc.)
E4	CORE	File administrative materials
E4	CORE	Maintain award ticklers
E4	CORE	Manage forms control programs
E4	CORE	Manage official mail control programs
E4	CORE	Prepare advance travel of dependents
E4	CORE	Prepare command muster reports
E4	CORE	Prepare correspondence
E4	CORE	Prepare designation letters
E4	CORE	Prepare directives (e.g., instructions, notices, publications, manuals, etc.)
E4	CORE	Prepare personal award citations (i.e., Personal Award Recommendation (OPNAV 1650/3))
E4	CORE	Prepare requests for delayed travel of dependents
E4	CORE	Prepare statement of service documents
E4	CORE	Route correspondence
E4	CORE	Update command directive case files

LEGAL

Paygrade	Task Type	Task Statements
E4	CORE	Maintain legal directives and publications
E4	CORE	Maintain Unit Punishment Books (UPB)
E4	CORE	Prepare administrative board documents
E4	CORE	Prepare administrative separation packages
E4	CORE	Prepare Non-Judicial Punishment (NJP) documents
E4	CORE	Prepare Record of Unauthorized Absence (NAVPERS 1070/606) forms
E4	CORE	Record disciplinary proceedings actions

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Create records management files
E4	CORE	Distribute message traffic
E4	CORE	Draft dependent and family entry request messages
E4	CORE	Draft failed to report messages
E4	CORE	Maintain command biographies binders
E4	NON-CORE	Maintain interviewers' appraisal sheets
E4	CORE	Maintain personnel status reports
E4	CORE	Maintain reports control systems (e.g., Navy Standard Integrated Personnel System (NSIPS), Defense Travel System (DTS), Navy Family Accountability and Assessment System (NFAAS), etc.)
E4	NON-CORE	Prepare health records for mailing
E4	CORE	Prepare Request and Authorization for Temporary Duty (TDY) Travel of Department of Defense (DoD) Personnel (DD FORM 1610) forms
E4	CORE	Process awards
E4	CORE	Process fitness reports and enlisted performance evaluations
E4	CORE	Process official mail
E4	CORE	Track classified mail
E4	CORE	Verify disbursements of travel payment postings

Job Title **Job Code**

Submarine Administrative Manager 002766

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Office and Administrative Support	TBD	SUB ADMINISTRATIVE MANAGER	SUB ADMIN MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	YNS	NEC 7XXX series and other NECs as assigned

Job Description

Submarine Administrative Managers train and lead administrative personnel; organize and maintain files, records, and official publications; perform pay and personnel functions; manage travel programs; perform administrative daily operations; and support legal proceedings.

DoD Relationship

Group Title	*DoD Code*
Administration, General	151000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Office and Administrative Support Workers	43-1011.00	Office and Administrative Support

Skills	Abilities
Coordination	*Speed of Closure*
Writing	*Problem Sensitivity*
Monitoring	*Selective Attention*
Reading Comprehension	*Information Ordering*
Operation and Control	*Written Expression*
Quality Control Analysis	*Written Comprehension*
Critical Thinking	*Mathematical Reasoning*
Management of Material Resources	*Category Flexibility*
Management of Personnel Resources	*Deductive Reasoning*
Mathematics	*Inductive Reasoning*

COMMAND PAY AND PERSONNEL ADMINISTRATION (CPPA)

Paygrade	Task Type	Task Statements
E4	CORE	Certify Authorization to Apply for A "No-Fee" Passport and/or Request for Visa (DD FORM 1056) applications
E5	CORE	Counsel personnel on pay allowances and entitlements
E4	CORE	Create routing organizations in E-Leave
E4	CORE	Create Salesforce pay and personnel transactions
E5	CORE	Maintain pay transaction ticklers
E4	CORE	Obtain command-level access to Navy Standard Integrated Personnel System (NSIPS)
E4	CORE	Obtain command-view access to Electronic Service Records (ESR)
E5	CORE	Perform counseling on Permanent Change of Station (PCS) transfers
E4	CORE	Prepare Advance Pay Certification/Authorization (DD FORM 2560) forms
E4	CORE	Prepare applications for transfer and advances
E4	CORE	Prepare Electronic Service Records (ESR)
E4	CORE	Prepare Page 13 entries (i.e., Administrative Remarks (NAVPERS 1070/613))
E4	CORE	Prepare pay entitlement and allowance documents (e.g., Career Sea Pay Premium (CSPP), Special Duty Assignment Pay (SDAP), special pay, etc.)
E4	CORE	Prepare personnel documents (e.g., personnel receipts, Permanent Change of Station (PCS) notifications, command ceremonies, etc.)
E4	CORE	Prepare receipt transactions
E4	CORE	Prepare separation and retirement documents
E5	CORE	Process delayed travel of dependents
E4	CORE	Process Dependency Application (NAVPERS 1070/602) forms

COMMAND PAY AND PERSONNEL ADMINISTRATION (CPPA) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Process dependent transportation requests
E4	NON-CORE	Process Electronic Funds Transfer (EFT) forms
E5	CORE	Process Navy Enlisted Classification (NEC) code change requests
E4	CORE	Process pay documents
E4	CORE	Process Temporary Lodging Allowance (TLA) forms
E4	CORE	Process Temporary Lodging Expense (TLE) forms
E4	CORE	Reconcile leave balances
E5	CORE	Validate Dependency Application (NAVPERS 1070/602) forms
E5	CORE	Verify Electronic Service Record (ESR) entries
E5	CORE	Verify expired gain and loss events
E5	CORE	Verify leave balances
E5	CORE	Verify lump sum leave and correct days paid
E5	CORE	Verify member Career Sea Pay Premium (CSPP) eligibilities
E4	CORE	Verify Passenger Reservation Requests (PRR)
E5	CORE	Verify receipt transactions
E4	CORE	Verify Servicemembers' Group Life Insurance (SGLI) (SGLV 8286)/Spouse Coverage Election and Certificate (SGLV 8286A) documents
E5	CORE	Verify suspended debts (i.e., advanced debts)
E5	CORE	Verify transfer document submissions
E5	CORE	Verify travel liquidation forms

CORRESPONDENCE

Paygrade	Task Type	Task Statements
E4	CORE	Conduct annual directive reviews
E4	CORE	Draft classification markings on correspondence and directives
E5	NON-CORE	Draft congressional inquiry replies
E4	CORE	Draft Naval messages (e.g., overseas screening, delay reporting, etc.)
E4	CORE	File administrative materials
E4	CORE	Maintain award ticklers
E4	CORE	Manage forms control programs
E4	CORE	Manage official mail control programs
E4	CORE	Prepare advance travel of dependents
E4	CORE	Prepare command muster reports
E4	CORE	Prepare correspondence
E4	CORE	Prepare designation letters
E4	CORE	Prepare directives (e.g., instructions, notices, publications, manuals, etc.)
E4	CORE	Prepare personal award citations (i.e., Personal Award Recommendation (OPNAV 1650/3))
E4	CORE	Prepare requests for delayed travel of dependents
E5	CORE	Prepare Sailing Lists
E4	CORE	Prepare statement of service documents

CORRESPONDENCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Process North Atlantic Treaty Organization (NATO) travel orders
E4	CORE	Route correspondence
E4	CORE	Update command directive case files

LEGAL

Paygrade	Task Type	Task Statements
E4	CORE	Maintain legal directives and publications
E4	CORE	Maintain Unit Punishment Books (UPB)
E4	CORE	Prepare administrative board documents
E4	CORE	Prepare administrative separation packages
E5	CORE	Prepare command investigation reports
E5	CORE	Prepare letters of reprimand or admonishment
E4	CORE	Prepare Non-Judicial Punishment (NJP) documents
E4	CORE	Prepare Record of Unauthorized Absence (NAVPERS 1070/606) forms
E5	CORE	Prepare Sailors' disciplinary findings for service record entries (i.e., Administrative Remarks (NAVPERS 1070/613))
E5	CORE	Process Court Memorandum (NAVPERS 1070/607) adjustments
E5	CORE	Process Court Memorandum (NAVPERS 1070/607) forms
E5	CORE	Process Freedom of Information Act (FOIA) requests and responses
E4	CORE	Record disciplinary proceedings actions

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Authenticate Medical Evacuation (MEDEVAC) orders
E4	CORE	Create records management files
E4	CORE	Distribute message traffic
E4	CORE	Draft dependent and family entry request messages
E4	CORE	Draft failed to report messages
E4	CORE	Maintain command biographies binders
E4	NON-CORE	Maintain interviewers' appraisal sheets
E4	CORE	Maintain personnel status reports
E4	CORE	Maintain reports control systems (e.g., Navy Standard Integrated Personnel System (NSIPS), Defense Travel System (DTS), Navy Family Accountability and Assessment System (NFAAS), etc.)
E5	CORE	Manage personal correspondence of executive level personnel
E5	CORE	Prepare changes of homeport administration
E5	NON-CORE	Prepare executive speeches
E4	NON-CORE	Prepare health records for mailing
E4	CORE	Prepare Request and Authorization for Temporary Duty (TDY) Travel of Department of Defense (DoD) Personnel (DD FORM 1610) forms
E4	CORE	Process awards
E5	CORE	Process evacuation orders

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Process fitness reports and enlisted performance evaluations
E5	CORE	Process funded emergency leave requests
E4	CORE	Process official mail
E5	CORE	Review Defense Travel System (DTS) authorizations and vouchers for compliance
E4	CORE	Track classified mail
E5	CORE	Verify command muster reports
E4	CORE	Verify disbursements of travel payment postings

TRAVEL

Paygrade	Task Type	Task Statements
E5	CORE	Audit travel vouchers
E5	CORE	Authenticate advance travel of dependents
E5	CORE	Manage Government Travel Charge Card (GTCC) programs
E5	CORE	Manage Temporary Additional Duty (TAD) programs
E5	NON-CORE	Process non-Government Travel Charge Card (GTCC) travel advances within Defense Travel System (DTS)

Job Title **Job Code**

Submarine Administrative Office Supervisor 002767

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Office and Administrative Support	TBD	SUB ADMIN OFFICE SUPERVISOR	SUB ADMN SUPV

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	YNS	NEC 7XXX series and other NECs as assigned

Job Description

Submarine Administrative Office Supervisors mentor and direct the work of office and administrative personnel; communicate work procedures and policies to staff; provide customer service to ensure adherence to quality standards, deadlines, and proper procedures, correcting errors or problems; evaluate job performance and compliance with regulations and recommend appropriate personnel action; interface with and advise executive level personnel; and prepare and issue work schedules, deadlines, and duty assignments of office personnel.

DoD Relationship

Group Title	*DoD Code*
Administration, General	151000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
First-Line Supervisors of Office and Administrative Support Workers	43-1011.00	Office and Administrative Support

Skills	Abilities
Monitoring	*Speed of Closure*
Coordination	*Problem Sensitivity*
Writing	*Selective Attention*
Reading Comprehension	*Information Ordering*
Quality Control Analysis	*Written Comprehension*
Critical Thinking	*Written Expression*
Operation and Control	*Mathematical Reasoning*
Management of Personnel Resources	*Inductive Reasoning*
Systems Evaluation	*Category Flexibility*
Management of Material Resources	*Deductive Reasoning*

COMMAND PAY AND PERSONNEL ADMINISTRATION (CPPA)

Paygrade	Task Type	Task Statements
E6	CORE	Audit leave accounting records and reports
E6	CORE	Authenticate leave accounting records and reports
E7	CORE	Certify advance pay
E4	CORE	Certify Authorization to Apply for A "No-Fee" Passport and/or Request for Visa (DD FORM 1056) applications
E6	CORE	Certify pay correspondence
E7	CORE	Certify separation and retirement documentation
E7	CORE	Certify Special Duty Assignment Pay (SDAP)
E6	CORE	Certify travel advances
E6	NON-CORE	Correct sea duty and shore duty commencement dates
E6	CORE	Counsel personnel on indebtedness
E5	CORE	Counsel personnel on pay allowances and entitlements
E4	CORE	Create routing organizations in E-Leave
E4	CORE	Create Salesforce pay and personnel transactions
E5	CORE	Maintain pay transaction ticklers
E6	CORE	Manage Navy Standard Integrated Personnel System (NSIPS) accounts
E4	CORE	Obtain command-level access to Navy Standard Integrated Personnel System (NSIPS)
E4	CORE	Obtain command-view access to Electronic Service Records (ESR)
E5	CORE	Perform counseling on Permanent Change of Station (PCS) transfers

COMMAND PAY AND PERSONNEL ADMINISTRATION (CPPA) (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Prepare Advance Pay Certification/Authorization (DD FORM 2560) forms
E4	CORE	Prepare applications for transfer and advances
E4	CORE	Prepare Electronic Service Records (ESR)
E4	CORE	Prepare Page 13 entries (i.e., Administrative Remarks (NAVPERS 1070/613))
E4	CORE	Prepare pay entitlement and allowance documents (e.g., Career Sea Pay Premium (CSPP), Special Duty Assignment Pay (SDAP), special pay, etc.)
E4	CORE	Prepare personnel documents (e.g., personnel receipts, Permanent Change of Station (PCS) notifications, command ceremonies, etc.)
E4	CORE	Prepare receipt transactions
E4	CORE	Prepare separation and retirement documents
E5	CORE	Process delayed travel of dependents
E4	CORE	Process Dependency Application (NAVPERS 1070/602) forms
E4	CORE	Process dependent transportation requests
E4	NON-CORE	Process Electronic Funds Transfer (EFT) forms
E5	CORE	Process Navy Enlisted Classification (NEC) code change requests
E6	CORE	Process Overseas Tour Extension Incentives Program (OTEIP) requests
E4	CORE	Process pay documents
E4	CORE	Process Temporary Lodging Allowance (TLA) forms
E4	CORE	Process Temporary Lodging Expense (TLE) forms
E4	CORE	Reconcile leave balances
E5	CORE	Validate Dependency Application (NAVPERS 1070/602) forms
E6	CORE	Verify current duty station pay and allowance entitlements via Enhanced Unit Commander's Financial Reports (eUCFR)
E5	CORE	Verify Electronic Service Record (ESR) entries
E5	CORE	Verify expired gain and loss events
E5	CORE	Verify leave balances
E5	CORE	Verify lump sum leave and correct days paid
E5	CORE	Verify member Career Sea Pay Premium (CSPP) eligibilities
E4	CORE	Verify Passenger Reservation Requests (PRR)
E5	CORE	Verify receipt transactions
E4	CORE	Verify Servicemembers' Group Life Insurance (SGLI) (SGLV 8286)/Spouse Coverage Election and Certificate (SGLV 8286A) documents
E5	CORE	Verify suspended debts (i.e., advanced debts)
E5	CORE	Verify transfer document submissions
E5	CORE	Verify travel liquidation forms

CORRESPONDENCE

Paygrade	Task Type	Task Statements
E4	CORE	Conduct annual directive reviews
E4	CORE	Draft classification markings on correspondence and directives
E5	NON-CORE	Draft congressional inquiry replies
E4	CORE	Draft Naval messages (e.g., overseas screening, delay reporting, etc.)
E4	CORE	File administrative materials
E4	CORE	Maintain award ticklers
E4	CORE	Manage forms control programs
E4	CORE	Manage official mail control programs
E4	CORE	Prepare advance travel of dependents
E4	CORE	Prepare command muster reports
E4	CORE	Prepare correspondence
E4	CORE	Prepare designation letters
E4	CORE	Prepare directives (e.g., instructions, notices, publications, manuals, etc.)
E4	CORE	Prepare personal award citations (i.e., Personal Award Recommendation (OPNAV 1650/3))
E4	CORE	Prepare requests for delayed travel of dependents
E5	CORE	Prepare Sailing Lists
E4	CORE	Prepare statement of service documents
E5	CORE	Process North Atlantic Treaty Organization (NATO) travel orders
E4	CORE	Route correspondence
E4	CORE	Update command directive case files
E6	CORE	Verify administrative separation correspondence

LEGAL

Paygrade	Task Type	Task Statements
E6	NON-CORE	Authenticate Deserter/Absentee Wanted by the Armed Forces (DD FORM 553) data
E4	CORE	Maintain legal directives and publications
E4	CORE	Maintain Unit Punishment Books (UPB)
E4	CORE	Prepare administrative board documents
E4	CORE	Prepare administrative separation packages
E5	CORE	Prepare command investigation reports
E5	CORE	Prepare letters of reprimand or admonishment
E4	CORE	Prepare Non-Judicial Punishment (NJP) documents
E4	CORE	Prepare Record of Unauthorized Absence (NAVPERS 1070/606) forms
E5	CORE	Prepare Sailors' disciplinary findings for service record entries (i.e., Administrative Remarks (NAVPERS 1070/613))
E5	CORE	Process Court Memorandum (NAVPERS 1070/607) adjustments
E5	CORE	Process Court Memorandum (NAVPERS 1070/607) forms
E7	CORE	Process formal grievances
E5	CORE	Process Freedom of Information Act (FOIA) requests and responses
E4	CORE	Record disciplinary proceedings actions

LEGAL (CONT'D)

Paygrade	Task Type	Task Statements
E7	NON-CORE	Validate Record of Unauthorized Absence (NAVPERS 1070/606) forms
E7	CORE	Verify command investigation records
E7	CORE	Verify Non-Judicial Punishment (NJP) actions
E7	CORE	Verify Non-Judicial Punishment (NJP) documents

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	CORE	Audit recurring reports (e.g., quarterly, annually, periodically, etc.)
E5	CORE	Authenticate Medical Evacuation (MEDEVAC) orders
E6	CORE	Coordinate formal command ceremonies (e.g., Change of Command (CoC) ceremonies, commissioning, decommissioning, etc.)
E7	CORE	Create Billet Based Distribution (BBD) reports
E4	CORE	Create records management files
E4	CORE	Distribute message traffic
E4	CORE	Draft dependent and family entry request messages
E4	CORE	Draft failed to report messages
E4	CORE	Maintain command biographies binders
E4	NON-CORE	Maintain interviewers' appraisal sheets
E4	CORE	Maintain personnel status reports
E4	CORE	Maintain reports control systems (e.g., Navy Standard Integrated Personnel System (NSIPS), Defense Travel System (DTS), Navy Family Accountability and Assessment System (NFAAS), etc.)
E6	CORE	Manage command fitness report and evaluation programs (i.e., Reporting Senior Cumulative Average (RSCA))
E6	CORE	Manage directives review programs
E5	CORE	Manage personal correspondence of executive level personnel
E6	CORE	Manage records management programs
E7	CORE	Monitor command Defense Travel System (DTS) bank programs (e.g., repayment, collections, waiver, appeals, Line Of Accounting (LOA), etc.)
E5	CORE	Prepare changes of homeport administration
E5	NON-CORE	Prepare executive speeches
E4	NON-CORE	Prepare health records for mailing
E6	CORE	Prepare quarterly travel funding budgets
E4	CORE	Prepare Request and Authorization for Temporary Duty (TDY) Travel of Department of Defense (DoD) Personnel (DD FORM 1610) forms
E7	CORE	Prepare unplanned loss documentation (e.g., TAB A, Electronic Personnel Deficiency Report (EPDR), etc.)
E4	CORE	Process awards
E7	CORE	Process changes of homeport administration
E7	CORE	Process command history inputs
E5	CORE	Process evacuation orders
E4	CORE	Process fitness reports and enlisted performance evaluations

TECHNICAL ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Process funded emergency leave requests
E4	CORE	Process official mail
E7	CORE	Process special duty screenings
E6	CORE	Process Temporary Additional Duty (TEMADD) requests and orders
E7	CORE	Request Officer Distribution Control Report (ODCR) updates
E7	CORE	Request updates to Activity Manpower Documents (AMD)
E7	CORE	Respond to official inquiries (e.g., Defense Finance and Accounting Service (DFAS), advise of errors, Inspector General (IG), Board for Correction of Naval Records (BCNR), etc.)
E5	CORE	Review Defense Travel System (DTS) authorizations and vouchers for compliance
E4	CORE	Track classified mail
E7	CORE	Update Personnel Tempo (PERSTEMPO) records
E7	CORE	Validate Billet Based Distribution (BBD) reports
E7	CORE	Validate Distribution Navy Enlisted Codes (DNEC)
E6	CORE	Validate overseas assignment screenings
E6	CORE	Validate special duty screenings
E5	CORE	Verify command muster reports
E7	CORE	Verify command Personnel Manning Action Requests (PMAR), Projected Rotation Date (PRD) information, and End of Active Obligated Service (EAOS) information
E6	CORE	Verify deployments administration (e.g., Sailing Lists, personnel status reports, pre deployment sheets, ombudsman forms, etc.)
E4	CORE	Verify disbursements of travel payment postings
E6	CORE	Verify Government Travel Charge Card (GTCC) balances
E7	CORE	Verify Special Duty Assignment Pay (SDAP) recertifications

TRAVEL

Paygrade	Task Type	Task Statements
E6	CORE	Approve Defense Travel System (DTS) authorizations and vouchers
E5	CORE	Audit travel vouchers
E5	CORE	Authenticate advance travel of dependents
E6	CORE	Certify official travel documents
E6	CORE	Maintain Defense Travel System (DTS) account access forms
E5	CORE	Manage Government Travel Charge Card (GTCC) programs
E5	CORE	Manage Temporary Additional Duty (TAD) programs
E5	NON-CORE	Process non-Government Travel Charge Card (GTCC) travel advances within Defense Travel System (DTS)

CHAPTER 80

ROBOTICS WARFARE SPECIALIST (RW)

NAVPERS 18068F-80B
Change 106

Updated: April 2026

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

ROBOTICS WARFARE SPECIAIST (RW)

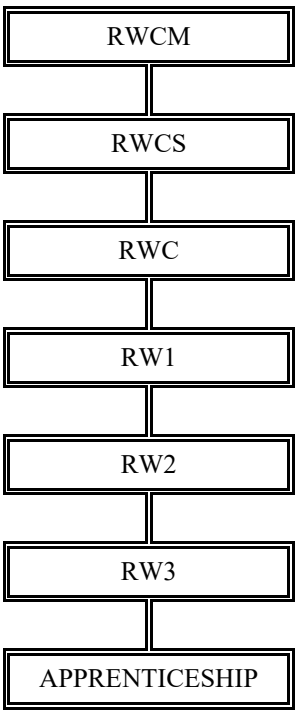
SCOPE OF RATING

Robotics Warfare Specialists (RW) plan, perform, supervise, and train personnel in the operational employment of Robotic Autonomous Systems (RAS); and plan, perform, supervise, and train personnel in both preventative and corrective levels of maintenance, configuration, testing, troubleshooting, data analysis, utilization of technical documentation, and test equipment.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 80.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories will be developed and located in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Robotics Warfare (RW) Systems Specialist 002822

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Architecture and Engineering	TBD	ROBOTICS WARFARE SYS SPEC	RW SYS SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	RW	NEC GXXX, EXXX, HXXX, VXXX, 7XXX, 8XXX series and other NECs as assigned

Job Description

Robotics Warfare (RW) Systems Specialists serve as operators/maintainers who plan and control the operations of Robotic Autonomous Systems (RAS) across all domains, during all phases of the mission; perform preventative and corrective maintenance on RAS and Support Equipment (SE); operate and maintain a variety of active and passive payload/sensors; apply a basic knowledge of oceanography, meteorology, bathymetry, aerodynamics, fluid dynamics, power plants, structural components; demonstrate knowledge of radio frequency theory, electrical theory, acoustics, information systems, programming, and networking; employ internal and external communication devices and circuits; analyze data; and perform associated administrative functions.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Unmanned Vehicle System (UVS) Operators, General	108000	Robotics Technician	17-3024.01	Architecture and Engineering

Skills	Abilities
Operation and Control	*Information Ordering*
Critical Thinking	*Problem Sensitivity*
Judgment and Decision Making	*Written Comprehension*
Monitoring	*Deductive Reasoning*
Systems Analysis	*Selective Attention*
Complex Problem Solving	*Inductive Reasoning*
Management of Material Resources	*Visualization*
Systems Evaluation	*Oral Expression*
Equipment Maintenance	*Written Expression*
Programming	*Category Flexibility*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Comply with naval cryptologic and national security requirements (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC), and directives and instructions associated with Secret Compartmented Information (SCI), etc.)
E5	CORE	Conduct Robotic and Autonomous Systems (RAS) proficiency training
E5	NON-CORE	Configure domain system policies
E5	CORE	Configure router Access Control Lists (ACL)
E5	CORE	Draft Robotic and Autonomous Systems (RAS) and support equipment Casualty Reports (CASREP)
E5	CORE	Facilitate Crew Resource Management (CRM) program
E5	CORE	Interpret Robotic and Autonomous Systems (RAS) technical briefs, notices, and bulletins
E4	NON-CORE	Inventory controlled equipment (e.g., Night Vision Goggles (NVG): laser designators; Arms, Ammunition, and Explosives (AA&E), etc.)
E4	CORE	Inventory Robotic and Autonomous Systems (RAS) Communications Security (COMSEC) materials
E4	CORE	Inventory Robotic and Autonomous Systems (RAS) equipment
E4	CORE	Maintain flight databases (i.e., Sierra Hotel Aviation Reporting Program (SHARP))

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Maintain Robotic and Autonomous Systems (RAS) Communications Security (COMSEC) local element documentation
E5	CORE	Maintain Robotic and Autonomous Systems (RAS) configuration control (e.g., software, firmware, patches, etc.)
E5	CORE	Maintain Robotic and Autonomous Systems (RAS) documentation of certifications and training (e.g., currency, proficiency, qualifications, etc.)
E5	CORE	Maintain Robotic and Autonomous Systems (RAS) maintenance program documents
E4	CORE	Maintain tactical publication library
E5	CORE	Manage software containers in virtualization
E5	CORE	Perform individual and crew tactical evaluations
E4	CORE	Perform Operational Reporting (OPREP) procedures
E4	CORE	Report Robotic and Autonomous Systems (RAS) Communications Security (COMSEC) discrepancies
E4	CORE	Research Linux fundamentals in support of Robotic and Autonomous Systems (RAS) employment
E4	CORE	Research network fundamentals in support of Robotic and Autonomous Systems (RAS) employment
E5	NON-CORE	Supervise inventories of controlled equipment (e.g., Night Vision Goggles (NVG); laser designators; Arms, Ammunition, and Explosives (AA&E), etc.)
E5	CORE	Supervise Robotic and Autonomous Systems (RAS) divisional equipment and system configurations
E5	CORE	Verify Robotic and Autonomous Systems (RAS) equipment inventories

MAINTENANCE

Paygrade	Task Type	Task Statements
E4	CORE	Calibrate Robotic and Autonomous Systems (RAS) electromechanical systems
E4	CORE	Configure network hardware
E4	CORE	Configure network services
E4	CORE	Configure peripherals
E4	CORE	Configure Robotic and Autonomous Systems (RAS) communications systems
E4	CORE	Configure Robotic and Autonomous Systems (RAS) electronic components and devices
E4	CORE	Configure Robotic and Autonomous Systems (RAS) navigation components
E4	CORE	Configure Robotic and Autonomous Systems (RAS) network components
E4	CORE	Configure Robotic and Autonomous Systems (RAS) power plant systems
E4	CORE	Configure Robotic and Autonomous Systems (RAS) structural components
E4	CORE	Configure router and switching devices
E4	CORE	Configure server Operating System (OS) software
E5	CORE	Configure virtual environments
E4	CORE	Configure workstation core components
E4	CORE	Configure workstation Operating System (OS) software
E5	CORE	Construct networks

MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Design basic additive manufacturing (i.e., 3-dimensional (3-D) printing)
E4	CORE	Document Robotic and Autonomous Systems (RAS) maintenance actions
E4	NON-CORE	Handle standard ordinance
E5	CORE	Inspect Robotic and Autonomous Systems (RAS) work areas, tools, and systems equipment
E4	CORE	Load Robotic and Autonomous Systems (RAS) Communications Security (COMSEC) systems
E4	CORE	Load Robotic and Autonomous Systems (RAS) image software
E4	CORE	Maintain Robotic and Autonomous Systems (RAS) Communications Security (COMSEC) system components
E5	NON-CORE	Manage network topologies
E5	NON-CORE	Manage Robotic and Autonomous Systems (RAS) test equipment calibration programs (e.g., load bearing, tools, scales, etc.)
E4	CORE	Monitor routing and switching devices
E4	CORE	Perform basic additive manufacturing (i.e., 3-dimensional (3-D) printing)
E4	CORE	Perform corrective maintenance on Robotic and Autonomous Systems (RAS) communications systems
E4	CORE	Perform corrective maintenance on Robotic and Autonomous Systems (RAS) electrical circuits (e.g., Alternating Current (AC) circuits/Direct Current (DC) circuits, interconnecting cables/circuits, etc.)
E4	CORE	Perform corrective maintenance on Robotic and Autonomous Systems (RAS) electronic components and devices
E4	CORE	Perform corrective maintenance on Robotic and Autonomous Systems (RAS) navigation components
E4	CORE	Perform corrective maintenance on Robotic and Autonomous Systems (RAS) network components
E4	CORE	Perform corrective maintenance on Robotic and Autonomous Systems (RAS) power plant systems
E4	CORE	Perform corrective maintenance on Robotic and Autonomous Systems (RAS) structural components
E4	CORE	Perform corrective maintenance Robotic and Autonomous Systems (RAS) electromechanical systems
E4	CORE	Perform Fiber Optics, Test and Repair (FOTR)
E4	CORE	Perform Internet Protocol (IP) shift
E5	NON-CORE	Perform Micro-Miniature (2M) repairs
E4	CORE	Perform preventative maintenance on Robotic and Autonomous Systems (RAS) communications systems
E4	CORE	Perform preventative maintenance on Robotic and Autonomous Systems (RAS) electrical circuits (e.g., Alternating Current (AC) circuits/Direct Current (DC) circuits, interconnecting cables/circuits, etc.)
E4	CORE	Perform preventative maintenance on Robotic and Autonomous Systems (RAS) electronic components and devices
E4	CORE	Perform preventative maintenance on Robotic and Autonomous Systems (RAS) navigation components

MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform preventative maintenance on Robotic and Autonomous Systems (RAS) network components
E4	CORE	Perform preventative maintenance on Robotic and Autonomous Systems (RAS) power plant systems
E4	CORE	Perform preventative maintenance on Robotic and Autonomous Systems (RAS) structural components
E4	CORE	Perform preventative maintenance on Robotic and Autonomous Systems (RAS) electromechanical systems
E4	CORE	Perform Robotic and Autonomous Systems (RAS) pre- and post-operational inspections
E4	NON-CORE	Perform Unmanned Aerial Systems (UAS) Functional Check Flight (FCF) inspections
E4	CORE	Restore systems from backups (e.g., server, switches, routers, databases, etc.)
E4	CORE	Set up Robotic and Autonomous Systems (RAS) electrical circuits (e.g., Alternating Current (AC) circuits/Direct Current (DC) circuits, interconnecting cables/circuits, etc.)
E5	CORE	Supervise Internet Protocol (IP) shift
E5	CORE	Supervise Robotic and Autonomous Systems (RAS) work center maintenance operations
E5	NON-CORE	Supervise Unmanned Aerial Systems (UAS) Functional Check Flight (FCF) inspections
E4	CORE	Test Robotic and Autonomous Systems (RAS) analog and digital General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Test Robotic and Autonomous Systems (RAS) communications systems
E4	CORE	Test Robotic and Autonomous Systems (RAS) electrical circuits (e.g., Alternating Current (AC) circuits/Direct Current (DC) circuits, interconnecting cables/circuits, etc.)
E4	CORE	Test Robotic and Autonomous Systems (RAS) electrical, electronic, and mechanical equipment
E4	CORE	Test Robotic and Autonomous Systems (RAS) electromechanical systems
E4	CORE	Test Robotic and Autonomous Systems (RAS) electronic components and devices
E4	CORE	Test Robotic and Autonomous Systems (RAS) navigation components
E4	CORE	Test Robotic and Autonomous Systems (RAS) network components
E4	CORE	Test Robotic and Autonomous Systems (RAS) power plant systems
E4	CORE	Test Robotic and Autonomous Systems (RAS) Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Test Robotic and Autonomous Systems (RAS) structural components
E4	NON-CORE	Transport standard ordinance
E4	CORE	Troubleshoot Robotic and Autonomous Systems (RAS) Communications Security (COMSEC) system components
E4	CORE	Troubleshoot Robotic and Autonomous Systems (RAS) communications systems

MAINTENANCE (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot Robotic and Autonomous Systems (RAS) electrical circuits (e.g., Alternating Current (AC) circuits/Direct Current (DC) circuits, interconnecting cables/circuits, etc.)
E4	CORE	Troubleshoot Robotic and Autonomous Systems (RAS) electromechanical systems
E4	CORE	Troubleshoot Robotic and Autonomous Systems (RAS) electronic components and devices
E4	CORE	Troubleshoot Robotic and Autonomous Systems (RAS) navigation components
E4	CORE	Troubleshoot Robotic and Autonomous Systems (RAS) network components
E4	CORE	Troubleshoot Robotic and Autonomous Systems (RAS) power plant systems
E4	CORE	Troubleshoot Robotic and Autonomous Systems (RAS) structural components
E4	CORE	Troubleshoot router and switching devices
E5	CORE	Troubleshoot virtual environments
E4	CORE	Verify calibration of Robotic and Autonomous Systems (RAS) electrical, electronic, and mechanical equipment
E5	CORE	Verify Fiber Optics, Test and Repair (FOTR)
E5	NON-CORE	Verify Unmanned Aerial Systems (UAS) Functional Check Flight (FCF) inspections

MISSION PLANNING

Paygrade	Task Type	Task Statements
E5	CORE	Analyze environmental factors on Robotic and Autonomous Systems (RAS) sensors and weapons
E4	CORE	Analyze Robotic and Autonomous Systems (RAS) weight and balance calculations
E4	CORE	Analyze threat data
E4	CORE	Assess predicted Robotic and Autonomous Systems (RAS) sensor effectiveness
E4	CORE	Assess Robotic and Autonomous Systems (RAS) operating constraints (e.g., terrain, depth, altitude, distance limitations, etc.)
E5	CORE	Brief Robotic and Autonomous Systems (RAS) mission plans
E4	CORE	Calculate Robotic and Autonomous Systems (RAS) fuel and energy consumption
E4	CORE	Configure Robotic and Autonomous Systems (RAS) hardware (e.g., sensor integration, weight and balance, payload control modules, etc.)
E4	CORE	Configure Robotic and Autonomous Systems (RAS) software (e.g., autonomy, payloads, patches/updates, etc.)
E5	CORE	Develop Robotic and Autonomous Systems (RAS) mission plans
E4	CORE	Establish satellite connection with Robotic and Autonomous Systems (RAS)
E5	CORE	Integrate environmental factors and recommendations into Robotic and Autonomous Systems (RAS) mission plans
E4	CORE	Interpret Naval messages for mission planning
E4	CORE	Monitor Crew Resource Management (CRM)

MISSION PLANNING (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Perform Air Insertion and extraction Operations (i.e., Helicopter Rope Suspension Techniques/ Cast (HRST/C), Special Purpose Insertion and Extraction (SPIE), Parachute)
E5	NON-CORE	Perform Mobile Tactical Operations Center (MTOC) loadmaster responsibilities
E4	CORE	Perform Robotic and Autonomous Systems (RAS) pre-mission checks
E5	CORE	Plan Robotic and Autonomous Systems (RAS) map or chart annotations (e.g., exclusion zones, Points of Interest (POI), Notice to Mariners (NOTM), etc.)
E5	CORE	Prepare flight schedules
E4	CORE	Prepare Robotic and Autonomous Systems (RAS) mission plans
E4	CORE	Validate Robotic and Autonomous Systems (RAS) navigational charts (e.g., National Oceanic Atmospheric Administration (NOAA), National Geospatial Agency (NGA), Notice to Mariners (NOTM), etc.)
E5	CORE	Validate Robotic and Autonomous Systems (RAS) readiness and configurations (e.g., hardware, software, pre-mission checks, logbook reviews, payloads, etc.)

POST MISSION ANALYSIS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze Robotic and Autonomous Systems (RAS) data (e.g., log file, mission file, sensor data, etc.)
E4	CORE	Archive Robotic and Autonomous Systems (RAS) data (e.g., log file, mission file, sensor data, etc.)
E4	CORE	Disseminate Robotic and Autonomous Systems (RAS) reports (e.g., Acoustic Intelligence (ACINT), Post Mission Data (PMD), asset positions, Image Intelligence (IMINT), etc.)
E4	CORE	Download Robotic and Autonomous Systems (RAS) data (e.g., log file, mission file, sensor data, etc.)
E4	CORE	Generate Robotic and Autonomous Systems (RAS) reports (e.g., Acoustic Intelligence (ACINT), Post Mission Data (PMD), asset positions, Image Intelligence (IMINT), etc.)
E5	CORE	Supervise Robotic and Autonomous Systems (RAS) data processing (e.g., log file, mission file, sensor data, etc.)
E5	CORE	Update tactical databases

SENSOR OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze contacts using Robotic and Autonomous Systems (RAS) passive payloads/sensors
E4	CORE	Conduct Identification Friend or Foe (IFF), Automated Identification System (AIS), and Selective Identification Feature (SIF) interrogations
E4	CORE	Correlate contacts using Robotic and Autonomous Systems (RAS) sensors
E4	CORE	Correlate Robotic and Autonomous Systems (RAS) multi-sensor data (i.e., sensor to sensor data)
E4	CORE	Employ Robotic and Autonomous Systems (RAS) payload/sensor systems
E4	CORE	Employ Robotic and Autonomous Systems (RAS) perception systems (e.g., Light Detection and Ranging (LIDAR), Sound Navigation and Ranging (SONAR), Radio Detection and Ranging (RADAR), etc.)

SENSOR OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Secure Internet Protocol Router Network (SIPRNET) chat operations
E4	CORE	Report real-time Robotic and Autonomous Systems (RAS) sensor contacts
E5	CORE	Supervise Robotic and Autonomous Systems (RAS) sensor operations

VEHICLE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze real-time operational impacts from environmental factors to Robotic and Autonomous Systems (RAS)
E4	CORE	Conduct small boat evolutions
E4	CORE	Employ auxiliary equipment in support of Robotic and Autonomous Systems (RAS)
E4	CORE	Employ expeditionary equipment Counter-Robotic and Autonomous Systems (C-RAS) (i.e., Counter-Unmanned Aerial Systems (C-UAS))
E4	CORE	Employ Robotic and Autonomous Systems (RAS) Command and Control (C2) systems (e.g., data link, acoustic communications, Radio Frequency (RF), etc.)
E4	CORE	Employ Robotic and Autonomous Systems (RAS) electrical/electronic systems
E4	CORE	Employ Robotic and Autonomous Systems (RAS) fuel/cell systems
E4	CORE	Employ Robotic and Autonomous Systems (RAS) navigation systems
E4	CORE	Monitor Robotic and Autonomous Systems (RAS) and subsystems (e.g., vehicle, control station, auxiliary equipment, etc.)
E4	CORE	Operate Robotic and Autonomous Systems RAS platform simulators
E4	CORE	Perform launch and recovery of auxiliary equipment in support of Robotic and Autonomous Systems (RAS)
E4	CORE	Perform on-station mission turnovers/swap procedures
E4	CORE	Perform Robotic and Autonomous Systems (RAS) coordination and reconnaissance operations (i.e., Surface Coordination and Reconnaissance (SCAR))
E4	CORE	Perform Robotic and Autonomous Systems (RAS) Intelligence, Surveillance, and Reconnaissance (ISR) operations
E4	CORE	Perform Robotic and Autonomous Systems (RAS) launch and recovery operations
E4	CORE	Pilot Robotic and Autonomous Systems (RAS)
E4	CORE	Report Robotic and Autonomous Systems (RAS) operation status
E5	CORE	Supervise expeditionary equipment Counter-Robotic and Autonomous Systems (C-RAS) employment (i.e., Counter-Unmanned Aerial Systems (C-UAS))
E5	CORE	Supervise Robotic and Autonomous Systems (RAS) launch and recovery operations
E5	CORE	Supervise Robotic and Autonomous Systems (RAS) operations execution
E4	CORE	Update Robotic and Autonomous Systems (RAS) mission parameters

Job Title **Job Code**

Robotics Warfare (RW) Systems Manager 002823

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	ROBOTICS WARFARE SYS MGR	RW SYS MGR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	RW	NEC GXXX, HXXX, 7XXX, and 8XXX series and other NECs as assigned

Job Description

Robotic Warfare (RW) Systems Managers supervise and train personnel who serve as Robotics Warfare (RW) Systems Specialist maintainers/operators in the planning and control of Robotic Autonomous System (RAS) across all domains, during all phases of the mission; manage preventative and corrective maintenance on RAS and Support Equipment (SE); supervise the operation and maintenance of a variety of active and passive payload/sensors; supervise the application of basic knowledge in oceanography, meteorology, bathymetry, aerodynamics, fluid dynamics, power plants, structural components and the demonstration of knowledge in radio frequency theory, electrical theory acoustics, information systems, programming, and networking; validate analysis of data; and perform and oversee associated administrative functions

DoD Relationship

Group Title	*DoD Code*
ADP Computers, General	115000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Computer and Information Systems Managers	11-3021.00	Management

Skills	Abilities
Judgment and Decision Making	*Information Ordering*
Management of Material Resources	*Written Comprehension*
Critical Thinking	*Visualization*
Coordination	*Inductive Reasoning*
Monitoring	*Selective Attention*
Complex Problem Solving	*Problem Sensitivity*
Programming	*Written Expression*
Reading Comprehension	*Category Flexibility*
Operation and Control	*Oral Expression*
Systems Analysis	*Originality*

ADMINISTRATION

Paygrade	Task Type	Task Statements
E6	CORE	Administer cloud services
E7	CORE	Coordinate Robotic and Autonomous Systems (RAS) deployment loadouts
E7	CORE	Coordinate Robotic and Autonomous Systems (RAS) pre-deployment work-ups
E7	CORE	Develop Robotic and Autonomous Systems (RAS) After Action Reports (AAR)
E6	CORE	Develop Robotic and Autonomous Systems (RAS) Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E7	CORE	Develop Robotic and Autonomous Systems (RAS) platform-specific training requirements (e.g., plans, tests, evaluations, etc.)
E6	CORE	Draft Robotic and Autonomous Systems (RAS) procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure from Specifications (DFS), etc.)
E6	CORE	Integrate new technologies and equipment
E6	CORE	Maintain personnel administrative records (i.e. qualifications, certifications, license, medical, etc.)
E7	CORE	Manage cloud services
E6	NON-CORE	Manage controlled equipment program (e.g., Night Vision Goggles (NVG); laser designators; Arms, Ammunition, and Explosives (AA&E), etc.)
E7	CORE	Manage Crew Resource Management (CRM) program

ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage Local Area Network (LAN) architecture
E6	CORE	Manage network system configurations
E6	NON-CORE	Manage operational site for Unmanned Aerial Systems (UAS)
E7	CORE	Manage Robotic and Autonomous Systems (RAS) and support equipment Casualty Reporting (CASREP) process
E6	CORE	Manage Robotic and Autonomous Systems (RAS) deployment loadouts
E6	CORE	Manage Robotic and Autonomous Systems (RAS) divisional equipment and system configurations
E6	CORE	Manage Robotic and Autonomous Systems (RAS) equipment certifications and recertifications
E6	CORE	Manage Robotic and Autonomous Systems (RAS) maintenance program
E6	CORE	Manage Robotic and Autonomous Systems (RAS) pre-deployment work-ups
E7	CORE	Report Robotic and Autonomous Systems (RAS) platform-specific training requirements (e.g., plans, tests, evaluations, etc.)
E7	CORE	Research new technologies and equipment
E7	CORE	Validate Operational Reporting (OPREP) reports
E6	CORE	Validate Robotic and Autonomous Systems (RAS) and support equipment Casualty Reports (CASREP)
E7	CORE	Validate Robotic and Autonomous Systems (RAS) procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure from Specifications (DFS), etc.)

MAINTENANCE

Paygrade	Task Type	Task Statements
E6	CORE	Manage basic additive manufacturing (i.e., 3-dimensional (3-D) printing)
E7	CORE	Manage Fiber Optics, Test and Repair (FOTR)
E6	CORE	Manage virtual environments
E6	CORE	Supervise Fiber Optics, Test and Repair (FOTR)
E6	CORE	Supervise Robotic and Autonomous Systems (RAS) equipment installations, testing, and alterations

MISSION PLANNING

Paygrade	Task Type	Task Statements
E7	CORE	Approve Robotic and Autonomous Systems (RAS) mission plans
E6	CORE	Coordinate joint all domain Robotic and Autonomous Systems (RAS) operations
E7	CORE	Coordinate Robotic and Autonomous Systems (RAS) operational space and deconfliction with governing authority (e.g., Watch floor, Air Traffic Control (ATC), Range Control, etc.)
E5	CORE	Develop Robotic and Autonomous Systems (RAS) Communication Plans (CP)
E7	CORE	Manage crew assignments
E6	NON-CORE	Plan Group I/II Unmanned Aerial Vehicle (UAV) flight operations
E6	CORE	Plan Robotic and Autonomous Systems (RAS) Intelligence, Surveillance, and Reconnaissance (ISR) operations

MISSION PLANNING (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Plan Robotic and Autonomous Systems (RAS) Surface Coordination and Reconnaissance (SCAR) operations
E6	CORE	Validate environmental factors on Robotic and Autonomous Systems (RAS) sensors and weapons
E6	CORE	Validate Robotic and Autonomous Systems (RAS) map or chart annotations (e.g., exclusion zones, Points of Interest (POI), Notice to Mariners (NOTM), etc.)
E6	CORE	Validate Robotic and Autonomous Systems (RAS) mission plans
E6	CORE	Validate Robotic and Autonomous Systems (RAS) weight and balance calculations

POST MISSION ANALYSIS

Paygrade	Task Type	Task Statements
E6	CORE	Prepare operational hour reports (i.e., flight, undersea, and surface operational hours)
E6	CORE	Validate Robotic and Autonomous Systems (RAS) data (e.g., log file, mission file, sensor data, etc.)
E6	CORE	Validate Robotic and Autonomous Systems (RAS) reports (e.g., Acoustic Intelligence (ACINT), Post Mission Data (PMD), asset positions, Image Intelligence (IMINT), etc.)

SENSOR OPERATIONS

Paygrade	Task Type	Task Statements
E7	NON-CORE	Collate Robotic and Autonomous Systems (RAS) real-time collection in support of operations
E6	NON-CORE	Employ deliverable effects (e.g., active, kinetic, Psychological Operations (PSYOP), etc.)
E7	NON-CORE	Inform kill-web decision makers to accelerate decision cycle
E6	NON-CORE	Integrate kill-web design into the execution management
E6	CORE	Manage Robotic and Autonomous Systems (RAS) sensor operations
E7	CORE	Provide recommendations for Robotic and Autonomous Systems (RAS) payload/sensor employment

VEHICLE OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Coordinate Robotic and Autonomous Systems (RAS) operations execution
E7	CORE	Direct Robotic and Autonomous Systems (RAS) Battlespace Management System (BMS) operations
E6	CORE	Manage Robotic and Autonomous Systems (RAS) operations execution