MANUAL OF

NAVY ENLISTED

MANPOWER AND PERSONNEL

CLASSIFICATIONS

AND

OCCUPATIONAL STANDARDS

VOLUME II

NAVY ENLISTED

CLASSIFICATIONS

(NECs)

NAVPERS 18068F

JULY 2001

DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
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From: Director, Total Force Programming, Manpower and Information Resource Management (N12)
To: All Ships and Stations (less Marine Corps field addressees not having Navy personnel attached)

Subj: PROMULGATION OF VOLUME II (NAVY ENLISTED CLASSIFICATIONS) OF THE MANUAL OF NAVY ENLISTED MANPOWER AND PERSONNEL CLASSIFICATIONS AND OCCUPATIONAL STANDARDS, NAVPERS 18068F DATED JULY 2001

1. Volume II of NAVPERS 18068F is the official manual of Navy Enlisted Classifications (NECs) code identification for enlisted personnel and billets. This edition includes the latest information available at the time of revision.

2. The effectiveness of this manual in providing correct and timely identification of skilled personnel and requirements depends upon support from all command echelons. Command activities are encouraged to forward recommendations concerning NEC changes, establishment, or disestablishment.

3. Requests to have an activity added to the CD-ROM automatic distribution list should be addressed to the following:

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4. The BUPERS CD-ROM will be distributed quarterly. The next scheduled release is October 2001.

J. C. HARVEY, JR.

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SUMMARY OF CHANGES

The NEC manual is published quarterly (JAN, APR, JUL, OCT) to provide updated NEC information in a timely manner. Changes (additions, deletions, revisions) to NECs identified by code numbers listed below were made in this revision. Revised NECs are those for which a significant change was made (title change, description, course information, sequence code, source rating, component NEC, note). Revisions to the manual are shown using shaded print.

A. CHAPTER IV.

ADDITIONS

GM-0979	FC-1139	FC-1156	FC-1165	FC-1337	GSE-4141
AZ-6303	AZ-6304	AO-6811	AE-7139	7226	8316
8800	9535				

REVISIONS

STS-0425	TM-0750	TM-0751	FT-1314	SK-2814	SK-2820
SK-2824	IS-3926	CE-5601	CE-5642	EO-5707	EO-5708
6529	AT-6621	AM-7225	7875	8205	8241
8303	8305	8306	8307	8310	8312
8313	8314	8315	8318	8391	8332
8335	8341	8342	8343	8345	8346
8347	8351	8361	8370	8375	8376
8377	8378	8379	8380	8388	8389
8391	8805	8806	8807	8808	8809
8819	8832	8841	8842	8843	8847
8868	8876	8877	8878	CT-9102	CT-9124
9545					

DELETIONS

B. CHAPTER V.

ADDITIONS

REVISIONS

DELETIONS

C. NEC RECODING ACTIONS.

Billets and personnel assigned the NECs listed below will be recoded by the Chief of Naval Operations, Navy Personnel Command or Naval Reserve Personnel Center, as appropriate, unless indicated otherwise.

NEC	Billet Recoding	Personnel Recoding
NONE		

D. FUTURE NEC REVIEW ACTIONS

The NECs listed are retained pending further action and review at a later date. Cognizant reviewing authority provides comments to NAVMAC not later than 30 days after review date.

NEC	Cognizant Reviewing Authority	Date	Review Remarks
NONE			

CHAPTER I

INTRODUCTION TO THE NAVY ENLISTED CLASSIFICATION SYSTEM

A. PURPOSE

1. The Navy Enlisted Classification (NEC) system, of which the NEC coding system is a part, supplements the enlisted rating structure in identifying personnel on active or inactive duty and billets in manpower authorizations. NEC codes identify a non-rating wide skill, knowledge, aptitude, or qualification that must be documented to identify both people and billets for management purposes.

2. The NEC coding system facilitates management control over enlisted skills by identifying billets and personnel and enhancing efficient use of personnel in distribution and detailing. In cases where NECs reflect special training, inventories of coded billets and coded personnel are also the basis for planning and controlling input of personnel into formal courses that earn NECs. Consequently, the continuing enlisted strength of the Navy, particularly petty officer allocations, and funds authorized for rating and specialty training depends, to an increasing extent, upon the accuracy, thoroughness, and timeliness of NEC coding. Personnel required to support ratings and special programs must be identified by the correct combinations of rates and/or NECs.

B. TYPES OF NECS

1. ***Entry Series NECs*** consist of Rating Conversion and Occupational Area - Defense Grouping (DG) NECs.

a. *Rating Conversion NECs* identify aptitudes and qualifications not discernible from rates alone and are assigned to identify petty officers or identified strikers who are in training for change of rating or status under approved programs.

b. *Occupational Area - Defense Groupings (DG) NECs* relate to groups of ratings for which there is an identification requirement. These NECs appear as DG-9700 through DG-9780, which reflect the location of Navy ratings in the Department of Defense Occupational Conversion Manual, Enlisted. The third digit in the codes specifies the DoD Occupational Area Grouping Code used in the DoD Occupational Conversion Manual. USN and USNR personnel in paygrades E-1 through E-3 (not already "rating associated" by HM or DT apprenticeship rates or by striker identification) must be assigned an appropriate DG NEC that identifies and indicates that these individuals have received training, are in training, or have aptitude for training in the areas identified by the DG code.

2. ***Rating Series NECs*** relate to a limited number of specific ratings. Rating Series NECs identify special or unique billet requirements beyond the skill and knowledge that the general rating would provide. When assigned to an individual, Rating Series NECs show that the person has obtained certain skills or knowledge and is qualified for detailing to a billet requirement.

3. ***Special Series NECs*** have the same purpose as Rating Series NECs but in general, relate to an unlimited number of ratings.

4. ***Alphanumeric NECs*** are used to identify discrete skills and training levels when justified by the complexity of training and management requirements. Alphanumeric NECs require dedicated personnel support to monitor and manage because of the intricacies of coordinating resources and support systems. Therefore, recommendations for alphanumeric NECs are to be submitted only through Warfare or Resource Sponsors after a development process that completely addresses all the elements required to make the program successful. These elements include:

a. Development of a training structure, in cooperation with appropriate training program coordinators.

b. A definite plan or program for tracking the inventory or requirements and personnel assets.

c. A commitment from the Warfare or Resource Sponsor to provide dedicated support personnel to management and monitoring of the program. Decisions on the feasibility of expanding use of alphanumeric NECs will be based on experience gained from the submarine community alphanumeric NECs. Use of alphanumeric NECs is limited to submarine ET and RM ratings and rating conversion NECs. Use of alphanumeric coding may be opened to other ratings only when all numeric codes have been depleted.

5. ***Numerical NECs*** not included in Rating Series or Special Series are grouped under EOD/DIVER/SEAL, Nuclear, Aircrew or Aircraft Systems Maintenance.

6. ***Planning NECs*** are NECs approved for planning purposes only and are listed in Chapter V of this manual. These NECs may be used in conjunction with Navy Training Plans, in developing planned training courses, and other applicable long-range projects. Planning NECs listed in Chapter V may be written in manpower authorizations to project requirements and used for other planning purposes; however, they are not assigned to personnel.

Submit requests for planning NECs to Commanding Officer, Navy Manpower and Analysis Center (NAVMAC) (Code 12) via the chain of command. A request must include a proposed title, a ready-for-training date (actual or estimated), billet paygrades, and point of contact. Submit requests to convert approved Planning NECs to Rating or Special series NECs 180 days before the date the NEC is to be awarded (i.e., 180 days before completion of initial course or factory training). Appendix A identifies requirements for establishing new NECs.

C. NEC CODE RELATIONSHIPS

1. ***Principal NECs*** identify stand alone skills and may include skills or abilities identified by Component and/or Related NECs. To earn a Principal NEC that includes a Component NEC, an individual must either already be assigned the Component NEC(s) or be fully qualified for such assignment. When an individual earns a Principal NEC, the individual will not be coded with the Component NEC listed with the Principle NEC. Component NECs are removed from the Enlisted Master Record (EMR) when a principal NEC is awarded.

2. ***Component NECs*** are prerequisite qualifications for assignment of the Principal NEC. Chapter IV lists component NECs with the Principal NEC with which they are associated.

3. ***Related NECs*** identify qualifications generally similar to those of the Principal NEC but are not prerequisites for earning the Principal NEC. Chapter IV lists Related NECs with the Principal NEC with which they are associated and are shown for information purposes only.

4. **NEC Sequencing**

a. NAVMAC (Code 10) has approval authority regarding the assignment of Sequence codes for proposed NECs. NAVMAC ensures adherence with established guidelines and will coordinate any exceptions with the ECM.

b. Change of Sequence codes are handled as an NEC revision and staffed for concurrence from Primary Advisor, Technical Advisor and ECM.

c. The primary consideration used to make a recommendation to determine assignment of a Sequence code is NEC seniority. An Operator NEC will have a "lower" position than a maintainer NEC; a basic maintainer/technician NEC will have a "lower" position than an advanced maintainer/technician and so on.

d. Sequence codes (positions) will be determined using the following guidelines:

Paygrade	Criteria	Position
E1/2/3	Entry series or Conversion NECs only.	1 (1)
E7/8/9	Senior Enlisted management NECs (i.e., 1332, 4206, 8300, 9580).	2
E5/E6	Supervisor/Management, Advanced Technical and Operational/Fleet Critical NECs.	3
E3 to E8	Operator, Maintainer, Analyst NECs (Career) and Special Warfare, EOD/Diver/SEAL PNECs	4 (2)
E4/E5	Intermediate level Technical, Operator/ maintainer NECs and Fleet critical E4 NECs (i.e., BM-0170 Surface Rescue Swimmer).	5
E3/4	First Tour/Initial NECs, Basic Operator, Organizational Maintenance.	6 (3)

Paygrade	Criteria	Position
Special Series NECs	Technical or Supervisor in nature. NECs that may be used again (i.e., Microminiature Repair, Instructor, Safety).	7
	Non-Technical single-use NECs (i.e., Recruit Instructor, Correctional Counselor) and personnel as candidates or under training (i.e., 5301, 8201, 9901).	8

Notes: Sequence Codes are determined by considering both Paygrade and Criteria to assign position (number).

1. Position 1 is reserved for Defense Grouping (DG) and Conversion NECs only. Defense Grouping NECs apply to non-designated E1/2/3 personnel who have attended some type of rate group (i.e., Seaman, Airman, Fireman, Constructionman) familiarization training before reporting to the fleet. Conversion NECs identify Petty Officers or strikers who are in training for change of rate or status under approved programs.

2. NECs encompassing a broad range of paygrades (E3-E8) will have a Sequence Code assigned that reflects the paygrade level having the largest number of billets/requirement for that NEC.

3. When an NEC is a component of/or a building block to a more advanced NEC, the Sequence Code assigned to the component NEC will normally be assigned a "lower" position than the principle NEC.

4. In cases where an individual earns two or more NECs with the same sequence code number, the NEC code that the individual most recently qualified for will take precedence except in unusual circumstances. NEC sequence code numbers are shown in Chapter IV.

5. ***Source Ratings*** are listed with each Rating Series NEC.

a. Rating Series NECs will be assigned only to personnel in designated source ratings or the apprenticeship rates and/or striker-identified rates applicable to a designated source rating including DG NEC-identified personnel leading to designated source ratings.

b. Personnel should be nominated or sent to courses of instruction earning NECs only if they are in the proper source rating or apprenticeship.

c. Personnel already specialized by a Rating Series NEC normally should not be nominated or sent to a course of instruction earning an additional NEC unless the course is a logical progression of the earlier specialty training, the NEC held embodies an outdated technology, or they are in an approved program for formal conversion to a new rating.

6. ***Paygrade restrictions*** for assignment of NECs to individuals and for application to billets are listed in Chapter IV. Refer to Chapter V for paygrade information for Planning Series NECs. Billet paygrades for NECs are provided as guidance in changing or recommending changes to Activity Manpower Document (AMD) or other enlisted manpower documents. The billet paygrade range information is based on one or more of the following:

a. Personnel paygrade restrictions (see Chapter IV).

b. Training course prerequisites contained in the Catalog of Navy Training Courses (CANTRAC) (NAVEDTRA 10500).

c. Authoritative judgment obtained from BUPERS Enlisted Community Managers, Primary Rating Advisors, and others possessing specialized knowledge.

d. Data provided in research studies and analyses.

D. NEC CODING USED IN MANPOWER, PERSONNEL AND TRAINING INFORMATION SYSTEM (MAPTIS)

1. An NEC is assigned to an individual when it is recorded in the Manpower, Personnel and Training Information System (MAPTIS). Page 4 service record entries reflect these authorized assignments as a 4-digit primary (PNEC) and a 4-digit secondary (SNEC) code. "0000" is used where no Entry, Rating, or Special Series NEC is assigned.

2. Entry Series NECs are always primary and are not removed until an individual has advanced to petty officer status, becomes an identified striker, or changes rating status.

3. Special Series NECs are always SNECs or lower.

4. Rating Series NECs are PNECs, SNECs, or lower (depending on the number of NECs earned by an individual) but may not replace an Entry Series NEC unless the individual has advanced to petty officer status, has become an identified striker, or has changed rating status.

E. APPLICABLE COURSES AND ON-THE-JOB TRAINING

Formal courses of instruction, satisfactory completion of which will earn an NEC, are listed in

Chapter IV with the applicable NEC. If a formal course is mandatory for earning an NEC, it will be shown in Chapter IV. Chapter IV will also show if a NEC may be awarded through on-the-job training (OJT) or, if appropriate, through factory training. See NEC assignment information for personnel (Chapter IV paragraph B.4) for additional information on recommending personnel for NECs based on OJT.

CHAPTER II

RESPONSIBILITIES AND PROCEDURES

A. AUTHORITIES AND RESPONSIBILITIES

1. ***The Chief of Naval Personnel (CHNAVPERS)*** is responsible for the formulation and implementation of the NEC coding system and for maintaining technical control over the entire NEC system per MILPERSMAN. Authorities and responsibilities delegated by CHNAVPERS, as per MILPERSMAN 1221-010, are outlined below.

2. ***The Commanding Officer, Naval Reserve Personnel Center (NRPC)*** is responsible for administering the NEC coding system for enlisted personnel not on active duty. In this regard, the Chief of Naval Reserve and the naval reserve readiness commanders will continue to monitor NEC coding efforts by inspections and through the Reserve Field Reporting System (RESFIRST). This includes certification, where appropriate to the Commanding Officer, Naval Reserve Personnel Center, of PN-2612 and Rating Conversion NEC assignments and cancellations.

3. ***The Commanding Officer, Enlisted Personnel Management Center (EPMAC)***, in coordination with the Chief of Naval Personnel (CHNAVPERS), is responsible for effective use of NEC information in the distribution, placement, and detailing of enlisted personnel.

4. ***Commands conducting courses of instruction*** that award NECs are responsible for reporting on students per CNETINST 1510.1 series.

5. ***Enlisted Classification Units***, under the technical direction of the CHNAVPERS, are responsible for reviewing NECs, correcting DG Codes where necessary, and recommending coding assignments or cancellations directly to EPMAC (Code 49) or the Commanding Officer, NRPC, as appropriate.

6. ***All commands*** are responsible to ensure that only personnel in proper source ratings are afforded training in NEC specialties, for making recommendations for NEC identification of billets in their manpower authorizations, assigning or changing DG NECs per this manual, and recommending assignment or cancellation of all other NECs per this manual.

B. INSTRUCTIONS FOR ASSIGNING AND CANCELING NECS

1. ***NECs (except Defense Grouping NECs)***, may be assigned or canceled as follows:

a. By commands conducting formal courses of instruction submitting reports per CNETINST 1510.1 series.

b. By Enlisted Classification Units submitting recommendations to EPMAC (Code 49) for accessions to active duty.

c. By the Commanding Officer, EPMAC (Code 49) for active duty personnel.

(1) Assigning NECs to personnel through on-the-job training or where not otherwise reported via the Navy Integrated Training Resource and Administration System (NITRAS).

(2) Coordinating requests to waiver NEC award requirements with CHNAVPERS (Pers-221) cognizant BUPERS Enlisted Community Manager, as appropriate.

d. By the Commanding Officer, NRPC for inactive duty personnel based on recommendations received from naval reserve commands and units.

e. An individual's NEC assignments, as authorized above, are those recorded in MAPTIS. When notified of changes by receipt of EPMAC 1221/2, commands will record these changes with page 4 service record entries using award date indicated on EPMAC 1221/2. Do not report NEC assignments to EPMAC by personnel diary or to NRPC by RESFIRST entries.

2. ***Defense Grouping NECs***. Individual commands and drilling units are directly responsible for assigning and changing DG NEC codes as follows:

a. For personnel in paygrades E-1, E-2, and E-3 who are not identified strikers or are not in the HM or DT apprenticeship rates:

(1) Assignment may be changed to another DG NEC but may never be replaced with "0000".

(2) Personnel in Class A level training who were assigned DG NECs as recruit graduates do not have to be recoded while undergoing courses of instruction, unless disenrolled.

b. In the above cases, record the DG NEC code assignment or change by a page 4 service record entry and report this assignment or change by a personnel diary or RESFIRST NEC entry. All eight digits must be reported.

c. If an individual with an Entry Series code holds a Rating Series code, the NEC code may be changed only by submitting a EPMAC 1221/2 to the Commanding Officer, Enlisted Personnel Management Center (EPMAC) (Code 52) or to Commanding Officer, Naval Reserve Personnel Center as appropriate. This exception does not apply to an individual holding a Special Series code.

d. For personnel holding DG NECs who become identified strikers or petty officers:

(1) Cancel DG NEC by page 4 service record entry.

(2) Do not report cancellation of DG NEC by personnel diary or RESFIRST entry. These NEC codes will be automatically canceled in the Manpower, Personnel and Management Information System (MAPMIS) when the correct rate change or advancement is reported and accepted by the CHNAVPERS or Commanding Officer, NRPC, as appropriate. Canceled codes will continue to appear on at least one EDVR or RESFIRST pending adjustment of NECs.

3. ***NECs for Personnel***. Individual commands and drilling units are responsible for recommending assignment or cancellation of all NECs other than Entry Series NECs as follows:

a. *Active Duty*

(1) USN and USNR, including TAR: to Commanding Officer, Enlisted Personnel Management Center (Code 49).

(2) Exceptions to the normal award criteria, including waivers, are to be made to EPMAC (Code 49) via endorsing commands per current OPNAV, BUPERS, NRPC instructions or as noted in Chapter IV of this manual as a specific note to that NEC. Bureau of Naval Personnel, Head Enlisted Community Management (Pers-221) will provide policy guidance to EPMAC concerning NEC removals and award criteria. Exceptions include:

(a) Nuclear Propulsion Plant Operator (33XX): OPNAVINST 1220.1 (series) (NOTAL) contains amplifying instructions and additional criteria for removing or changing NECs used to designate personnel trained as Nuclear Propulsion Plant Operators (Surface and Submarine). Submit EPMAC 1221/2 for these personnel directly to Bureau of Naval Personnel (Pers-241).

(b) Remove submarine related NECs via Head, Nuclear Power/Submarine Assignment Branch (Pers-403). Of special note, submarine disqualifications and reinstatements will be per the Enlisted Transfer Manual (NAVPERS 15909), Chapter 5 and the MILPERSMAN 1220-040, with Pers-403 as the final adjudicator.

(c) HM/DT NEC removals and waivers of mandatory courses of instruction will in all cases be forwarded by EPMAC to Pers-221 for adjudication.

(1) HM/DT personnel holding an NEC beyond the prescribed paygrade cap will not have their NEC removed without Pers-221 approval. This is to facilitate the management of critical specialties as the inventory paygrade ceilings transition to match billet paygrade ceilings while ensuring the strength of each community adequately sustains mission requirements.

(2) HM/DT personnel who lose their NEC for misperformance or disciplinary reasons will have the NEC removed from the Enlisted Master Record. Commands are required to provide appropriate supporting documentation, (i.e., special evaluation). NEC removals should not be used in place of administrative separation proceedings or forced conversions.

(3) Certification/recertification of clinical proficiency is the responsibility of the member. Failure to attain and maintain clinical proficiency is ground for NEC removal, loss of remaining SRB entitlement, and reassignment as an HM "0000."

NOTE: With current policies and instructions in place to establish the validity of an individual's NEC qualifications, the via endorsement will be the determining

factor in the award or removal of the NEC from the individual's Enlisted Master Record.

b. *Inactive Duty*

(1) All Rating Conversion codes: to the Commanding Officer, Naval Reserve Personnel Center via cognizant Naval Reserve Readiness Commander or Chief, Naval Reserve as appropriate.

(2) Intelligence Specialist personnel in paygrades E-7 and below: to Naval Intelligence Command (NIC-13), 4600 Silver Hill Road, Washington, D.C. 20389-5000 via Commanding Officer with the following documentation:

(a) Inactive Navy Enlisted Classification Code Change Recommendation (EPMAC 1221/2).

(b) Certified copies of last three enlisted evaluations.

(c) All Navy Occupational, Training and Awards History (NAVPERS 1070/604 Rev 11-81).

(3) Restricted NECs (Non-traditional training or experience): to the Commanding Officer, Naval Reserve Personnel Center via cognizant Naval Reserve Readiness Commander/ISIC and Chief of Naval Reserve with the following documentation:

(a) Inactive Navy Enlisted Classification Code Change Recommendation (NAVPERS 1221/1 Rev 6-92), including justification for assignment of requested NEC.

(b) Certified copies of substantiating documentation (degree, vocational certificates, professional licenses, etc.).

(c) Current job description if NEC requested is based on civilian work experience.

(4) Commanding Officer, Naval Reserve Personnel Center will take appropriate action upon receipt and if applicable forward the package, including coordination of request to waiver NEC requirements with CHNAVPERS (Pers-221) cognizant BUPERS Enlisted Community Managers, to the program Technical Advisor for final determination or certification.

C. GENERAL ASSIGNMENT AND CANCELLATION INFORMATION

1. Personnel are automatically assigned NECs upon satisfactory completion of applicable courses through the Navy Integrated Training Resource and Administration System (NITRAS) as outlined in CNETINST 1510.1. This ensures faster NEC assignments and reduces paperwork at the command level. NECs earned through OJT and factory training are not automatically assigned, therefore, increased command attention is required to recommend fully qualified personnel for these NECs. In those cases where NEC assignments are not restricted to mandatory completion of applicable courses or factory training, recommendations can and should be forwarded for assignment of NECs based on OJT. The length of OJT is normally at the discretion of individual commanding officers, however, six to twelve months, depending on the complexity of the NEC, should be considered minimum. Specific requirements for NECs are listed in Chapter IV as "NOTES" under an NEC or NEC group heading. Commanding Officers must ensure that these specific requirements, including any component NECs, are successfully completed.

2. Individuals must either hold or be qualified to hold the component NECs. To recommend personnel for an NEC use the Navy Enlisted Classification Code Change Recommendation (EPMAC 1221/2) for active and inactive duty personnel. See Appendices A and B for additional information and instructions for NEC recommendations.

3. When recommending new NEC assignments, review qualifications for NECs presently held and provide comment, particularly in those instances where a positive requirement exists for maintaining NEC qualifications in accordance with an established criteria, (e.g., Aircrewman qualifications).

4. Close command attention is required for recommending cancellation of NECs. This requires command recommendations to cancel NEC assignments in cases where enlisted personnel do not perform their NEC duties satisfactorily, normally within six months after reporting aboard. Failure to recommend NEC cancellation may result in these unqualified or unsatisfactory performers being reassigned under the NEC, possibly resulting in manning or readiness problems for a new command or in the failure to assign sufficient qualified personnel to current command.

Note: Appendix A provides instructions on how to prepare and submit recommendations for establishing, deleting, or revising NEC codes.

D. COMMAND REQUESTED BILLET NEC CHANGES

1. Procedures are specifically noted in the Manual of Navy Total Forces Manpower Policies and Procedures (OPNAVINST 1000.16 series). The specific information required and format to be followed for each situation is provided in detail.

2. Of special interest, the Activity Manpower Document Short-format Change Request applies to NEC changes being requested for authorized billets. The request format is found in OPNAVINST 1000.16 and applies to military ships and squadrons only. It is provided for requesting minor changes to reduce the response time. The changes that may be requested by use of the short-format change request are restricted to:

a. NEC changes for billets incident to authorized equipment changes. Not authorized using short-form change requests are changes for aircrew, instructor or counselor NECs.

b. Correction of typographical errors noted in Manpower Authorizations, (i.e., billet titles).

3. Submit Activity Manpower Document (AMD) change requests to Navy Manpower Analysis Center (Code 50) via chain of command, (i.e., type commander/manpower claimant. Clearly substantiate the request and attach required supporting documentation.

CHAPTER III

NAVY RATINGS AND ENTRY SERIES NECS

Paragraph A of this section identifies the current Navy ratings. Paragraphs B and C identify the Entry Series NECs used by detailers and classifiers. There are two kinds of Entry Series NECs (1) Rating Conversion and (2) Occupational Area - Defense Grouping.

A. NAVY RATINGS

1. General Ratings (SECNAV Approved): Identify personnel from paygrades E-4 through E-9. They provide the primary means of identifying billet requirements and personnel qualifications. Each rating has a distinctive rating badge.

2. Service Ratings (CNO Approved): These are sub-divisions of certain general ratings. Service Ratings identify required specialization and specific areas of qualifications in the utilization and training of personnel. The rating badge for a Service Rating is the same as that for the General Rating.

3. Compression Ratings: Identify the combining of several General or Service Ratings at paygrade E-9 to form broader career fields when the occupational content is similar. These ratings exist only at the E-9 level and are not identified previously as a General or Service Rating. Each Compression Rating has a distinctive rating badge.

4. General Rate: Identify personnel occupationally in paygrades E-1 through E-3.

General Ratings	Service Ratings	Compression Ratings
AB	ABE,ABF,ABH	
AC		
AD		AF
AE		AV
AG		
AK		
AM	AME	AF
AO		
AS		
AT		AV
AW		
AZ		
BM		
BU		CU
CE		UC
CM		EQ
CMDMC		
CNOMC		
CTA		
CTI		
CTM		
CTO		
CTR		
CTT		
DC		
DK		
DM		
DT		
EA		CU
EM		
EN		
EO		EQ
ET		
EW		
FC		
FLTMC		
FORMC		
FT		
GM		
GS	GSE,GSM	
HM		
HT		
IC		EM
IS		
JO		
LI		
LN		
MA		
MCPON		
MM		
MN		
MR		
MS		
MT		
MU		
NC		
OS		
PC		
PH		
PN		
PR		
QM		
IT		

RP

General Ratings	Service Ratings	Compression Ratings
SH		
SK		
SM		
STG		
STS		
SW		CU
TM		
UT		UC
YN		

General Ratings: 73
Service Ratings: 06
Total Ratings: 79

General Rates: AN, CN, DN, FN, HN, SN

Compression Ratings: 6

B. RATING CONVERSION NECS

Detailers use Rating Conversion NECs to identify petty officers or strikers who are in training for change of rating or status under approved programs. Rating Conversion NECs are as follows.

Title	Conversion
Boatswain's Mate Basic	BM-0199
Quartermaster Basic	QM-0299
Operations Specialist Basic	OS-0399
Sonar Technician (Surface)	STG-04G9
Sonar Technician (Submarine)	STS-04S9
Signalman Basic	SM-0599
Torpedoman's Mate Basic	TM-0799
Gunner's Mate Basic	GM-08G9
Fire Control Technician Basic	FT-1199
Fire Controlman Basic	FC-11C9
Mineman Basic	MN-1299
Missile Technician Basic	MT-1399
Electronics Technician Basic	ET-1599
Electronics Warfare Technician Basic	EW-1799
Master-at-Arms Basic	MA-2099
Navy Counselor Basic	NC-2199
Postal Clerk Basic	PC-2299
Information SystemsTechnician	IT-2399
Religious Program Specialist Basic	RP-2499
Yeoman Basic	YN-2599
Personnelman Basic	PN-2699
Storekeeper Basic	SK-2899
Disbursing Clerk Basic	DK-2999
Ship Serviceman Basic	SH-3199
Journalist Basic	JO-3299
Legalman Basic	LN-3499
Mess Management Specialist Basic	MS-3599
Lithographer Basic	LI-3699
Musician Basic	MU-3899
Intelligence Specialist Basic	IS-3999
Gas Turbine Systems Technician Basic	GS-4199
Gas Turbine Systems Technician (Electrical)	GSE-4199
Gas Turbine Systems Technician (Mechanical)	GSM-4199
Machinist's Mate Basic	MM-4299
Engineman Basic	EN-4399
Machinery Repairman Basic	MR-4499
Electrician's Mate Basic	EM-4699
Interior Communications Electrician Basic	IC-4799
Damage Control Basic	DC-4899
Hull Maintenance Technician Basic	HT-4999
Engineering Aid Basic	EA-5599
Construction Electrician Basic	CE-5699
Equipment Operator Basic	EO-5799
Construction Mechanic Basic	CM-5899
Builder Basic	BU-5999
Steelworker Basic	SW-6099
Utilitiesman Basic	UT-6199
Aviation Maintenance Administrationman Basic	AZ-6399
Aviation Machinist's Mate Basic	AD-6499
Aviation Electronics Technician Basic	AT-6699
Aviation Ordnanceman Basic	AO-6899
Air Traffic Controller Basic	AC-6999
Aviation Boatswain's Mate Basic	AB-7099
Aviation Boatswain's Mate (Launching & Recovery Equipment)	ABE-70E9
Aviation Boatswain's Mate (Fuels)	ABF-70F9
Aviation Boatswain's Mate (Aircraft Handling)	ABH-70H9
Aviation Electrician's Mate Basic	AE-7199
Aviation Structural Mechanic Basic	AM-7299
Aviation Structural Mechanic (Safety Equipment)	AME-72E9
Aviation Structural Mechanic	AM-72H9
Aviation Structural Mechanic	AM-72S9
Aircrew Survival Equipmentman Basic	PR-7399
Aerographer's Mate Basic	AG-7499
Aviation Support Equipment Technician Basic	AS-7699
Aviation Antisubmarine Warfare Operator Basic	AW-7899
Aviation Storekeeper Basic	AK-8099
Photographer's Mate Basic	PH-8199
Hospital Corpsman Basic	HM-8499
Dental Technician Basic	DT-8799
Cryptologic Technician (Communications)	CTO-9199

Cryptologic Technician (Administrative) CTA-91A9
Cryptologic Technician (Interpretive).....CTI-91I9
Cryptologic Technician (Maintenance)..... CTM-91M9
Cryptologic Technician (Collection)..... CTR-91R9
Cryptologic Technician (Technical) CTT-91T9
Woman Petty Officer WP-9999

C. OCCUPATIONAL AREA - DEFENSE GROUPING NECs

Classifiers use Occupational Area - Defense Grouping NECs to identify individuals in paygrades E-1 to E-3 that have received training, are in training, or have an aptitude for training in one of the general Occupational Areas. Occupational Area - Defense Grouping NECs are as follows:

DG-9700 Infantry, Gun Crews, and Seamanship Specialists
Source ratings: BM QM

DG-9710 Electronic Equipment Repairman
Source ratings: ST TM FT MT ET AT CTM FC

DG-9720 Communications and Intelligence Specialists
Source ratings: OS SM IT IS AC AW EW CTI CTO CTR CTT

DG-9730 Medical and Dental Specialists
Source ratings: HM DT

DG-9740 Other Technical and Allied Specialists
Source ratings: DM MU EA AG PH

DG-9750 Functional Support and Administration
Source ratings: PC YN PN SK DK JO AZ AK LN NC CTA RP

DG-9760 Electrical/Mechanical Equipment Repairman
Source ratings: GM MN MM IC CM AD AO AB EN EM AE AM PR AS GS DC

DG-9770 Craftsman
Source ratings: LI MR HT CE EO BU SW UT

DG-9780 Service and Supply Handlers
Source ratings: SH MA MS

Note: The third digit in the DG Codes indicates the DoD Occupational Area Grouping Code.

CHAPTER IV

RATING SERIES AND SPECIAL SERIES NECS

A. PURPOSE

Rating series NECs are for a limited number of ratings and are used for billet requirements and personnel assignment. Rating series NECs identify billet requirements (skill/knowledge requirements) beyond the skill and knowledge that the general rating would provide. Rating series NECs are also assigned to an individual to show that the person has obtained certain skills or knowledge and is qualified for detailing to a billet requirement.

Special series NECs have the same purpose as Rating series NECs but in general, relate to a large number of ratings.

NECs throughout the manual are listed in numerical sequence and not by rating. Chapter 3, Rating Conversion NECs may be used as an index to help locate specific rating NECs.

Headings associated with NEC descriptions identified in this chapter are defined in paragraph B. Shaded print denotes a revision to a previous entry.

B. DEFINITIONS

1. SOURCE RATINGS. Ratings eligible for NEC award.

2. BILLET PAYGRADES. This information is presented as a guidance in writing billets on Manpower Authorization (OPNAV 1000/2). Low/High paygrades reflect the lowest and highest paygrades that can be written for billets identified by the NEC. Commands requesting changes to manpower authorization should comply with these paygrade limits.

3. PERSONNEL PAYGRADES. The NEC may be assigned only to personnel in paygrades indicated.

4. COURSE. Identifies whether completion of a training course(s) is a mandatory requirement for assignment of the NEC or whether the NEC may be earned through OJT (On-the-Job-Training), (i.e., based on qualification through on-the-job training). If the length of OJT is not specified, it shall normally be a minimum of six months.

5. COURSE IDENTIFYING NUMBER (CIN) OR AMPLIFYING DATA. The Navy Course Identifying Number (CIN), Army number, Air Force number, or other applicable descriptive information. The Navy CIN is obtained from the Navy Integrated Training Resources and Administration System (NITRAS). If blank, the NEC is awarded through a combination of one or more Component NECs or on-the-job training, or assignment of NEC has been discontinued.

6. CDP FROM NITRAS. The Course Data Processing Numbers(s) assigned to formal training courses included within NITRAS per CNETINST 1510.1. They are used by the Bureau of Naval Personnel and training activities for reference purposes.

NOTE: CIN/CDP data used in Chapter IV is based on CNET reports N02182 (Skill Verification) and N0297 (Umbrella Skill Verification) of 18 March 1997 and is subject to change.

7. SEQUENCE CODE. The number that appears in this column (1 through 8) identifies the position of NECs on the Enlisted Distribution Verification Report (EDVR) section 8 and other documents used in personnel distribution. Appendix A, pg 2, para 6 provides guidance in determining assignment of Sequence codes.

8. RBTR. Reserve billet training requirement.

9. NR IND (Reservist Indicator). The following letters are used to categorize the attainability of NECs by inactive duty Selected Reserve (SELRES) personnel, and the assignment of NECs to SELRES personnel and manpower requirements:

A: The NEC is attainable by SELRES, and is therefore assignable to SELRES personnel and manpower requirements with no restrictions. SELRES are able to complete training for the NEC within three years of normal inactive duty training cycles of 48 regular drills and two weeks Annual Training (AT) per year (Training Category (TRC) A). The NEC can be earned by the following means:

- Active Duty formal training courses that have not been modified or segmented into modules for SELRES applications,

- Segmented or modularized formal training courses that may be completed within three years of normal TRC A training cycles (Note 1),

- Specific civilian training/certification (Note 2), or

- On-the-job training (OJT) that can be completed with three years of normal TRC A training cycles (Note 2).

Additionally, NECs are assignable to SELRES manpower requirements if the formal courses of instruction that award the NEC will be modified to facilitate SELRES completion of all requirements for the NEC within three years of normal TRC A training cycles. The requirements for periodic recertification/requalification for the NEC cannot exceed a normal, annual TRC A training cycle (Note 1).

R: The NEC cannot normally be attained by SELRES within three years or normal TRC A training cycles, but is assignable with restrictions to SELRES manpower requirements if SELRES already holding a NEC in this category can maintain periodic recertification/requalification required for the NEC within a normal, annual TRC A training cycle (Note 3).

N: The NEC is not assignable to SELRES personnel or manpower requirements because periodic recertification/requalification for the NEC cannot be maintained by a SELRES during a normal, annual TRC A training cycle. Programming of SELRES manpower requirements with these NECs is not authorized (Note 4).

Note 1: A formal training course that awards the NEC or maintains recertification/requalification may be segmented into modules if recommended by COMNAVRESFOR (Code 04), approved by CNO (N7/CNET) and certified to be funded for segmentation by the appropriate OPNAV resource sponsor. If the training agent certifies that the training course will be on line within one year, assignment of the NR IND of A is allowed.

Note 2: NECs will be awarded to SELRES personnel upon completion of civilian training courses leading to the awarding of a certificate, diploma or license, and for the completion of OJT when a waiver of formal training requirements has been requested and obtained from the appropriate training agent.

Note 3: NAVMAC (Code 50) will limit the number of SELRES manpower requirements with "R" NECs in the Total Force Manpower Management System (TFMMS) to 125% of the number of SELRES personnel in inventory holding the NEC. Requirements will be reviewed annually to ensure they do not exceed this limit, and reprogramming actions directed where necessary.

Note 4: NAVMAC (Code 50) will direct management actions to eliminate or preclude establishment of SELRES manpower requirements with "N" NECs.

Note 5: COMNAVRESFOR will annually review and coordinate the update of all SELRES NEC categories with appropriate NEC Advisors.

10. COMPONENT NEC. Prerequisite requirement for assignment of the principal NEC. A component NEC is removed once a principal NEC is assigned.

11. RELATED NEC. NEC that is not a prerequisite to the principal NEC, but is similar or identical with part or parts of a principal NEC.

12. WOMEN IND. Open: NEC is open to women. Closed: NEC is not open to women.

13. PRIMARY ADVISER. The command or office with primary responsibility for the functional or mission area that a NEC is principally used. The Primary Advisor is concerned with all aspects of associated NECs.

14. TECHNICAL ADVISOR. The command or office having cognizance over the technical areas in which a NEC is principally used. The Technical Advisor is concerned with manpower or weapon system relationships and training requirements related to technical aspects of the NEC.

15. ECM/PERS:. Pers-2 code responsible for managing the "health and welfare" and career development plans of the enlisted ratings, rates and NECs within his/her purview.

C. NEC DESCRIPTIONS

BOATSWAIN'S MATE

BM-0107 Minesweeping Boatswains Mate
Performs and supervises rigging, streaming and recovery of all minesweeping gear. Performs organizational level maintenance (less electrical) on minesweeping equipment.

Source ratings: BM QM MN	Billet Paygrades: E3-E7	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: A-060-0631	CDP: 3000
Sequence Code: 6	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D6

NOTE: NEC is considered adaptable to future employment of helicopter teams assigned a mission formerly performed by shipboard non-helicopter assisted mine-sweepers and the attendant crews.

BM-0120 Battle Force Intermediate Maintenance Activity (BFIMA) Rigger/Weight Tester

Performs intermediate-level maintenance procedures repairing rigging equipment, providing general rigging and manufacturing services, and weight testing equipment in support of BFIMA requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet-specified Job Qualification Requirements (JQRs) for this skill and demonstration of advanced-level proficiency during hands-on training and production work (see www.jqr.navy.mil for current JQR). Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Source Rating: BM	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D6

BM-0160 Causeway Barge Ferry Pilot

Pilots Causeway Barge Ferries up to 360 feet long for the ship-to-shore movement of equipment and cargo during amphibious assault logistics operations and/or maritime prepositioned shipping operations. Communicates piloting instructions to craft used for barge ferry propulsion. Directs ferries alongside ships for lift-on/lift-off operations. Directs ferry beaching and retraction.

Source Ratings: BM GM QM SM	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: See Note	CIN: K-062-0012	CDP: 180A
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC: 0169	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D6

NOTE: Course mandatory for naval reserve personnel. Active duty personnel may earn this NEC by completion of PQS/OJT or course completion.

BM-0161 Tugmaster

Operates YTM/YT tugs to assist in docking, undocking, drydocking, and cold iron moves. Directs use of head, breast and powerlines and stern tow makeups. Employs International and Inland Rules of the Road, navigational, visual, and radio communications procedures. Directs the operation and maintenance of engineering plant, deck machinery, firefighting and other emergency equipment. Assists in sea/air rescue and missions of mercy operations. Directs the movement of non-self-propelled Yard Craft within the boundaries of harbors, bays and sounds.

Source Ratings: BM QM SM	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: OJT	CIN:	CDP:
Sequence Code: 2	RBTR: R-000-0161-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D6

NOTE: Candidates for and personnel holding this NEC must meet and maintain qualification standards (including physical requirements) contained in OPNAVINST 3171.2.

BM-0164 Assault Boat Coxswain

Handles and beaches landing craft in assault waves. Supervises boat crew in hoisting and lowering operations. Handles all types of cargo including stowing in boat. Assists in salvage operations.

Source Ratings: BM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D6

NOTE: NEC may be earned by either formal training or by OJT. If OJT experience supports NEC award, submit NAVPERS 1221/1 with documentation attached to EPMAC Code 49.

BM-0167 LCAC Operator

Operates Landing Craft, Air Cushion (LCAC) vehicles in amphibious assault and training operations to and from LHAs, LHDs, LPDs, and LSDs and across surf and beach interfaces. Executes current amphibious assault tactics employing International and Inland Rules of the Road, navigation, and radio and visual communications procedures. Supervises LCAC crew in all phases of craft operation.

Source Ratings:	Billet Paygrades: E7-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN: K-062-0100	CDP: 0621, 424H
Sequence Code: 2	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D6

NOTES:
1. A minimum ASVAB score of AR+MK+EI+GS = 204 is required for entry into the training courses. Interested candidates who meet the requisite ASVAB score should contact their detailer for nomination to the LCAC program. Pers-409 (Special Programs) will coordinate assignment with the appropriate detailer.
2. NEC Candidates must be physically qualified for special duty in accordance with the Manual of the Medical Department (NAVMED P117).
3. Successful completion of the Naval Aerospace Medical Research Laboratory (NAMRL) LCAC Operator Psychomotor Test is required prior to assignment to contractor training and course K-062-0013.
4. NEC candidates must be qualified as a second class swimmer in accordance with NAVPERS 15560C.

BM-0169 Causeway Barge Ferry Coxswain
Operates Causeway section Powered and side Loadable Warping Tugs with water jet propulsion systems in support of amphibious operations and/or maritime prepositioned shipping operations.

Source ratings: BM GM QM SM	Billet Paygrades: E4-E6	Personnel Paygrade: E4-E6
Course: SEE NOTE	CIN: K-062-0011	CDP: 179Z
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D6

NOTE: Course mandatory for naval reserve personnel. Active duty personnel may earn this NEC by completing applicable PQS/OJT or course completion.

BM-0170 Surface Rescue Swimmer
Performs duties as a rescue swimmer for recovery of personnel and equipment at sea.

Source ratings: BM QM SM GM OS IT YN PN SK MS SH DK ET FC MM GSE GSM EN HT DC EM STG MN

	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN: A-050-0500	CDP: 6952, 889Y
Sequence Code: 5	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D6

QUARTERMASTER

QM-0215 Harbor/Docking Pilot
Pilots naval ships of ALL classes and unlimited tonnage in and out of harbors and naval bases or to and from docks and berths. Supervises naval and civilian personnel in docking, berthing and mooring of all classes of vessels, floating docks, cranes, and barges. Directs operations of all classes of vessels, floating docks, cranes, barges. Directs operations of pusher boats (YTLs, YTMs YTBs) in the movement of ships and tows to and from sea and in harbors.

Source Rating: QM BM SM	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: OJT	CIN:	CDP:
Sequence Code: 2	RBTR:	NR Ind: N
Component NEC: 0161	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D6

QM-0230 ECDIS-N Navigation Operator
Operates the Navigation Sensor System Interface (NAVSSI) AN/SSN-6(V) including ECDIS-N. ECDIS-N represents a new technology in navigation.

Rating: QM, OS	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Pending	CIN: A-061-0030	CDP: 635L, 635M
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC: QM NONE, OS-0342	Open to Women: Yes
Primary Advisor: CNO N6	Technical Advisor: COMSPAWAR	ECM: N132D6

OPERATIONS SPECIALIST

OS-0302 AN/SYS-2 Integrated Automatic Detection and Tracking (IADT) Systems Operator
Operates the Radar Control Operator (RCO) and Detector/Tracker monitor (DTM) console of the AN/SYS2(V) IADT system. RCO monitors and controls sensor interfaces, performs sensor alignments, evaluates ECM and clutter, and assists in determining sensor mode of operation, DTM monitors and controls SYS to WDS, CDS, and FCS interfaces and monitors IADT system performance.

Source Rating: OS	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: J-113-1011	CDP: 0443, 0630
Sequence Code: 5	RBTR: R-113-1011-01	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D6

OS-0303 ACDS Block 1 Operator
The ACDS Block 1 Operator operates or supervises operation of ACDS Block 1 program modes aboard suitably equipped ships. The operator performs the following functions: enters and modifies tactical doctrine statements as directed by watch officers; informs and instructs CDC/CIC personnel of tactical doctrine in effect and its impact on system operation and responses; functions as Training Supervisor during training periods; and advises command and control personnel concerning tactical doctrine real time reactions expected.

Source Rating: OS	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: J-221-1002	CDP: 317C,437D
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women : Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D6

OS-0304 LCAC Radar Operator/Navigator
Operates landing craft, Air Cushion (LCAC) vehicle's radar, navigation, and communications equipment in support of amphibious assault and training operations. Provides tactical recommendations to the LCAC Craftmaster based on current amphibious assault tactics, navigation, International and Inland rules of the road, and radio and visual communications procedures.

Source Rating: ET(SS), OS, QM	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN: K-193-0436	CDP: 0623, 424K
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC: 14NQ/QM/SF/TG/TK	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D6

NOTES:
1. A minimum ASVAB score of AR+MK+EI+GS= 204 is required for entry into the training courses. Interested candidates who meet the requisite ASVAB score should contact their detailer for nomination to the LCAC program. Pers-409 (Special Programs) will coordinate assignment with the appropriate detailer.
2. NEC candidates must be physically qualified for special duty with the Manual of the Medical Department (NAVMED P117).
3. NEC candidates must be qualified as a second class swimmer in accordance with NAVPERS 15560C.
4. Normal color perception required.
5. 20/20 vision correctable with normal depth perception.
6. Must be eligible for SECRET security clearance.

OS-0310 AEGIS Operations Specialist (CG 65-DDG 79)
Operate AEGIS Combat Information Center display console on CG-47 Class Cruisers (BL4) and DDG-51 Class Destroyers, and perform the duties of all applicable watchstations.

Source Rating: OS	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN: .	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D6

NOTE: This NEC may be earned by completion of formal training (CIN S-221-0037) or after 1 year onboard OJT (described in Chapter IV) based on Commanding Officer's recommendation. Submit EPMAC 1221/2 to EPMAC (Code 49).

OS-0311 AEGIS Operations Specialist (CG 47-64)
Operate AEGIS Combat Information Center display console on CG-47 Class Cruisers (BL 1, 2, 3), and perform the duties of all applicable watchstations.

Source Rating: OS
Course:
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N769

Billet Paygrades: E3-E9
CIN: S-221-0036
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E3-E9
CDP: 959N
NR Ind: A
Open to Women: Yes
ECM: N132D6

NOTE: This NEC may be earned by completion of formal training (CIN S-221-0036) or after 1 year onboard OJT (described in Chapter IV) based on Commanding Officer's recommendation. Submit EPMAC 1221/2 to EPMAC (Code 49).

OS-0318-0324 RADAR AIR CONTROLLER
Controls/supervises control of aircraft in tactical operations. Operates/supervises operation of radar, NTDS, communications and associated equipment in the exercise of air control functions. Participates in search and rescue and aircraft emergency operations. Ensures correct positioning of aircraft in specified areas, air corridors and approach or departure tunnels.

NOTE: Qualification, requalification and maintenance proficiency requirements for AIC, ASAC, AICS, ATACO, ASTAC and ASTACSUP personnel are set forth in OPNAVINST 1211.2 Series. Personnel who fail to maintain qualification through prescribed proficiency requirements are no longer eligible to retain the NEC. A EPMAC 1221/2 will be submitted to EPMAC Code 49 for NEC removal. This NEC removal requirement is waived for a period of 36 months for those personnel who were previously qualified but subsequently transferred to shore duty. Personnel who requalify through formal training will have reestablished their qualification and award of the NEC.

OS-0318 Air Intercept Controller
Performs air intercept functions.

Source Rating: OS
Course: Course Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N769

Billet Paygrades: E5-E6
CIN: K-221-0027
RBTR: R-221-0027-01
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E4-E7
CDP: 255U, 4606, 9377
NR Ind: N
Open to Women: Yes
ECM: N132D6

OS-0319 Supervisory Air Intercept Controller
Supervises performance of air intercepts. Reports and assists in resolving tracking confusion.

Source Rating: OS
Course: Course Mandatory
Sequence Code: 3
Component NEC: 0318
Primary Advisor: CNO N769

Billet Paygrades: E6-E9
CIN: K-221-0015
RBTR: R-221-0015-01
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E6-E9
CDP: 2024, 2025
NR Ind: N
Open to Women: Yes
ECM: N132D6

OS-0324 ASW/ASUW Tactical Air Controller (ASTAC)
Operates the LAMPS MK-III weapons system and OJ-194 NTDS consoles. Controls and directs the communications, overall tactics, sensor information correlation and integration, flight safety, sonobouy, and data link operations of ASW/ASUW aircraft.

Source Rating: OS
Course: Course Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N769

Billet Paygrades: E5-E9
CIN: K-221-2503
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E5-E9
CDP: 575H, 586X
NR Ind: N
Open to Women: Yes
ECM: N132D6

NOTE:
Personnel who have maintained their Air Controller proficiency as an ASTAC will continue to receive SDAP at the OS-0324 level as prescribed in BUPERS NAVADMIN.

OS-0325 AN/SSN-2(V)4 Operator
Operates the AN/SSN-2(V)4 Precise Integrated Navigation System (PINS). During mine hunting/sweeping operations, performs as a team member in the Mine Countermeasure (MCM) ship Combat Information Center (CIC) by providing precise navigation information and command and control functions such as ship's position, speed and direction, and location of mine-like objects using all available navigation and environmental sensors including sonar, surface radar, and ship's control displays. The AN/SSN-2(V)4 operator also maintains operator logs and ensures proper documentation of mission records.

Source Rating: OS, ET MN
Course: Course Mandatory
Sequence Code: 3

Billet Paygrades: E3-E7
CIN: A-130-2569
RBTR:

Personnel Paygrades: E3-E7
CDP: 580P
NR Ind: R

Component NEC: | Related NEC: | Open to Women: No
Primary Advisor: CNO N769 | Technical Advisor: NAVSEA | ECM: N132D6

OS-0326 Operations Systems Specialist
Assists Commanding Officer and Tactical Action Officer on choice of tactics and weapons employment in all naval warfare areas. Coordinates combat information from detection to engagement. Performs tactical and administrative message drafting and develops Combat Systems Team Training (CSTT) scenarios to include time-line generation and training systems generation. Plots Search and Rescue calculations.

Source Rating: OS | Billet Paygrades: E5-E8 | Personnel Paygrades: E5-E8
Course: Course Mandatory | CIN: A-221-0002 | CDP: 3935 (FCTCLANT)
3936 (FCTCPAC)
Sequence Code: 3 | RBTR: | RN Ind: N
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N769 | Technical Advisor: NAVSEA | ECM: N132D6

OS-0327 Sea Combat Air Controller (SCAC)
Controls fixed wing aircraft and helicopters from non-LAMPS MK III ships during conduct of Surface Warfare (SUW), Undersea Warfare (USW), Surface Surveillance, Search and Rescue, and Strike Support.

Source Rating: OS | Billet Paygrades: E3-E7 | Personnel Paygrades: E4-E7
Course: Course Mandatory | CIN: A-221-0001 | CDP: 3885 (FCTCPAC) 3887 (FTCTLANT)
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N769 | Technical Advisor: NAVSEA | ECM: N132D6

OS-0332 TOMAHAWK Weapon System (Surface) Operator
Operates the Operation Interactive Display Terminal (OIDT) consoles in the TOMAHAWK Weapon system (Surface) to control and monitor the targeting, pre-setting and launching of TOMAHAWK missiles. Conducts periodic data base updates. Stores and retrieves selected data and processes incoming operational data to provide a comprehensive surface display of the operational theater.

Source Rating: OS FC | Billet Paygrades: E5-E9 | Personnel Paygrades: E5-E9
Course: Course Mandatory | CIN: J-121-0516 | CDP: 1986
Sequence Code: 3 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N769 | Technical Advisor: SPAWAR | ECM: N132D6

OS-0334 HARPOON (AN/SWG-1A) Engagement Planning Operator
Determines the preferred HARPOON engagement including flight path and missile attack mode for multiple surface targets designated for engagement by the Tactical Action Officer (TAO). Plans the engagement utilizing graphic display capabilities to avoid friendly participants and to increase kill probability of selected targets within a group. Resolves engagement related problems and communicates equipment casualties or faults to proper authority.

Source Rating: OS FC | Billet Paygrades: E4-E9 | Personnel Paygrades: E4-E9
Course: Course Mandatory | CIN: J-113-1001 | CDP: 0285, 197X
Sequence Code: 3 | RBTR: | NR Ind: R
Component NEC: 1169 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N769 | Technical Advisor: SPAWAR | ECM: N132D6

NOTES:
1. FC personnel E4 and above must hold NEC FC-1169 in order to be eligible to earn this NEC.
2. OS personnel E4 with their Commanding Officer's recommendation are eligible to earn this NEC.

OS-0336 Tactical Support Center (TSC) Operations Control Operator.
Operates direct view consoles, large group displays, the Navy Standard Tactical Computers (DTC-2, TAC-3/4), STU IIIs and other computer peripherals and terminals associated with the ASWOC network including communications equipment. Prepares briefs, debriefs, plot contacts and conducts mission replays. Interacts with the Navy Command and Control System (NCCS) to monitor operations process message traffic and display information.

Source Rating: OS QM | Billet Paygrades: E3-E7 | Personnel Paygrades: E3-E7
Course: Course Mandatory | CIN: J-221-0362 | CDP: 702Z
R-210-6113 | 334R
Sequence Code: 4 | RBTR: R-221-0362-02 | NR Ind: A
Component NEC: | Related NEC: | Open to Women: Yes

Primary Advisor: CNO N769 Technical Advisor: SPAWAR ECM: N132D6

OS-0342 Global Command and Control System Common Operational Picture/Maritime (GCCS COP/M) Operator
Performs Joint Services and Navy specific applications and processes. Manages C4I information; database management functions, communications operations and Force Over-the Horizon Track Coordinator (FOTC) functions, utilizing the Unified Build (series) software. Training is accomplished using hardware and software currently installed in the fleet.

Source Rating: OS AW CT EW FC FT QM IT STG/S MN
Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9
Course: Course Mandatory
CIN: J-221-2311
CDP: 293N, 377N
Sequence Code: 3
RBTR: R-221-2311-1
NR Ind: R
Component NEC:
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N62
Technical Advisor: SPAWAR
ECM: N132D6

OS-0343 AN/SYQ-13 NAV.C2 Operator
Operates the AN/SYQ-13 Navigation, Command and Control (NAV/C2) system. Performs as team member in the COASTAL Minehunter (MHC) ship Combat Information Center (CIC). Executes exigent command and control functions such as determining ship's position, track and movement information (course, speed,, set, drift, advance), relative position information of the ship to minefields, swept channels, and mine-like objects and actual position identification of mine-like objects using all available navigation and environmental sensors including sonar surface radar, and ships control displays. Maintains operator logs and ensures proper documentation of mission records.

Source Rating: OS ET MN
Billet Paygrades: E3-E7
Personnel Paygrades: E3-E7
Course: Course Mandatory
CIN: A-130-2570
CDP: 580R
Sequence Code: 4
RBTR:
NR Ind: N
Component NEC:
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N769
Technical Advisor: SPAWAR
ECM: N132D6

OS-0345 Joint Tactical Ground Station (JTAGS)/Multi-Mission Mobile Processor (M3P) System Operator/Maintainer
Responsible for processing and dissemination of real time warning of tactical ballistic missile (TBM) launches, Slow Walkers and other significant tactical events (The M3P's will also have some strategic capability). Processes data from up to three Defense Support Programs (DSP) or Space Based Infrared System (SBIRS) satellites which link directly to theater tactical communication systems for timely and accurate launch locations information, impact area prediction and threat position/velocity data to support early warning, targeting, alerting, and cueing requirements for all services. Also responsible for troubleshooting, analyzing, and performing low level maintenance on antenna relays and interfaces, computers, and self-contained communications devices. Responsible for the transport (March Order), and emplacement of a 8x8x20 ft, C-141 deployable shelter and associated equipment.

Source Rating: OS EW IS ET CTT
Billet Paygrades: E4-E7
Personnel Paygrades: E4-E7
Course: Course Mandatory
CIN: S-100-0005
CDP: 5393
Sequence Code: 4
RBTR:
NR Ind: N
Component NEC:
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N6
Technical Advisor: SPAWAR
ECM: N132D6

OS-0346 AEGIS Console Operator Track 3
Will supervise and coordinate the operation of the AEGIS Combat System (ACS) and associated Combat Information Center (CIC) watchstanders in CG-47 Class Cruisers and DDG-51 Class Destroyers. This included Radar Systems AN/SPY-1B/D, Console and Display Group AN/Q-70, Link 4/11/16 Systems, and AN/UPX-29 IFF Systems.

Source Rating: OS
Billet Paygrades: E3-E9
Personnel Paygrades: E3-E9
Course: Pending
CIN:
CDP:
Sequence Code: 4
RBTR:
NR Ind: N
Component NEC:
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N769
Technical Advisor: AEGIS TRAREDCEN
ECM: N132D6

OS-0347 Ship Self Defense System (SSDS) MK1 Operaotr
Fulfills the role as the SSDS MK 1 Sensor Supervisor while on watch during Conditions I, IA, III and IV. The Sensor Supervisor functions under the supervision of the Tactical Action Officer (TAO) to control the SSDS configuration, initialize the system and enter appropriate weapons and system doctrine, monitor system status, perform systems operations, and allocate system resources. The Sensor Supervisor evaluates the various threats to ownship. This individual will establish and monitor ownship warfare area posture and doctrine, within the limits of the authority delegated and following the rules of engagement, standing orders and other applicable directions.

Rating: OS, FC
Billet Paygrades: E4-E6
Personnel Paygrades: E3-E7
Course: Pending
CIN:
CDP:
Sequence Code: 3
RBTR:
NR Ind: A

Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N769 Technical Advisor: NAVSEA ECM: N132D6

OS-0348 Multi-Tactical Digital Information Link Operator (TADIL)
Operates multiple Tactical Digital Information Links. Directs the tactical integration of joint inter-service link operations, controls communications, overall track processing, sensor information correlation and link integration within the theater of operations. Resolves link operation problems and communicates joint hierarchy interface faults to higher authority.

Rating: OS Billet Paygrades: E4-E9 Personnel Paygrades: E4-E9
Course: Pending CIN: CDP:
Sequence Code: 4 RBTR: NR Ind: A
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N6 Technical Advisor: NAVSEA ECM: N132D6

SONAR TECHNICIAN

STG-0401 AN/SQQ-30 Mine Classifying-Detecting Set Maintenance Technician
Operates the AN/SQQ-30 during minehunting/sweeping evolutions; performs as a team member in the MCM ship CIC room supplying information such as bearing and range of underwater vehicles and mine-like objects; performs organizational level maintenance on the AN/SQQ-30 Mine Classifying-Detecting set; diagnoses, isolates, and corrects faults within the system; calibrates, aligns and adjusts the system to operating specifications, maintains maintenance logs and ensures proper documentation has been completed for adequate repair parts replenishment.

Source Rating: STG MN Billet Paygrades: E3-E7 Personnel Paygrades: E3-E7
Course: Course Mandatory CIN: CDP:
Sequence Code: 4 RBTR: NR Ind: N
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N769 Technical Advisor: NAVSEA ECM: N132D5

STG-0402 AN/SQQ-89(V)2/9 Active Sonar Level II Technician/Operator
Performs organizational level maintenance on and operates sonar subsystems including; AN/SQS-56 Sonar System, MK-309 MOD-0 Control Panel, AN/UQN-4 Sonar Sounding Set, AN/WQC-2/2A Sonar Communications Set. Identify acoustic signatures to source. Operate the following subsystems; AN/SQQ-28(V) Sonar Signal Processing System, AN/SQR-19(V) TACTAS, and the AN/UYK-25A(V)2 (SIMAS).

Source Rating: STG Billet Paygrades: E4-E7 Personnel Paygrades: E4-E7
Course: Course Mandatory CIN: K-130-0245 CDP: 052D
Sequence Code: 5 RBTR: NR Ind: R
Component NEC: 0406 Related NEC: Open to Women: Yes
Primary Advisor: CNO N769 Technical Advisor: PMS411 ECM: N132D5

STG-0404 AN/SQQ-28(V) Sonar Subsystem level II Technician
Performs organizational level maintenance on the SQQ-28(V) LAMPS MK-III sensor system. Isolates faults, repairs, removes, and replaces the pluggable, replaceable subassembly or PC card.

Source Rating: STG Billet Paygrades: E4-E7 Personnel Paygrades: E4-E9
Course: CIN: CDP:
Sequence Code: 5 RBTR: NR Ind: R
Component NEC: 0406 or 0413 Related NEC: Open to Women: Yes
Primary Advisor: CNO N769 Technical Advisor: NAVSEA ECM: N132D5

Note: NEC for tracking purposes only.

STG-0405 Sonar Auxiliary Maintenance and Operations Repairman
Operates and performs preventive maintenance on the following equipment: AN/UYQ-25A(V)2, AN/SLQ-25, AN/SLQ-25A, AN/BQH-7A, AN/WQC-2A, and AN/UQN-4A.

Source Rating: STG Billet Paygrades: E3-E4 Personnel Paygrades: E3-E5
Course: CIN: CDP:
Sequence Code: 6 RBTR: NR Ind: N
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N769 Technical Advisor: NAVSEA ECM: N132D5
Note: NEC for tracking purposes only

STG-0406 AN/SQQ-89(V)2 Sonar Subsystem Level I Technician Operator

Performs equipment light-off, operation, and shut-down of the following subsystems: AN/SQQ-28(V) Sonar Signal Processing System, AN/SQR-19(V) TACTAS, AN/UYK-25A(V)2 and the AN/SQS-56 Sonar. Identify acoustic signatures to source. Recognizes abnormal panel/screen indications and performs preventive maintenance/fault location routines necessary to evaluate these conditions. Identifies, tracks and classifies targets and potential targets.

Source Rating: STG	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: K-130-1143	CDP: 289A
Sequence Code: 6	RBTR:	NR Ind: R
Component NEC: 0445	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: PMS411	ECM: N132D5

STG-0407 AN/SQQ-89(V)2/3/5 Passive Sonar Level II Technician/Operator

Performs organizational level maintenance on and operates sonar subsystems including; AN/SQR-19(V) Towed Array and AN/SQQ-28(V) Sonobuoy Sensors, UYQ-25A(V)2, AN/SQQ-89(V) OBT (V)-T, AN/BQH-7A Oceanographic Data System and the AN/SLQ-25 (NIXIE). Identify acoustic signatures to source. Operate the following subsystems; AN/SQS-56 or AN/SQS-53B Sonar System and AN/UYQ-25A(V)2(SIMAS).

Source Rating: STG	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC: 0406 or 0413	Related NEC: 0404	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: PMS411	ECM: N132D5

STG-0410 AN/SLQ-48(V) Mine Neutralization Systems (MNS) Operator/Maintenance Technician

Performs operational functions and organizational maintenance on the AN/SLQ-48(V) system.

Source Rating: STG MN	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-647-0931	CDP: 221G
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

STG-0411 AN/SQQ-89(V)4/6/10 Sonar Subsystem Level I Technician/Operator

Performs equipment light-off, operation and shut-down of the following subsystems; AN/SQQ-28(V) Sonar Signal Processing System, AN/SQR-19(V) TACTAS, AN/UYK-25A(V)2 or AN/UYK-25B and the AN/SQS-53C Sonar. Identify acoustic signatures to source. Recognizes abnormal panel/screen indications and performs the preventive maintenance or fault location routines necessary to evaluate these conditions. Additionally the operator, identifies, tracks and classifies targets and potential targets.

Source Rating: STG	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course:	CIN:	CDP:
Sequence Code: 6	RBTR:	NR Ind: R
Component NEC: 0445	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: PMS411	ECM: N132D5

STS-0412 BQQ-5/5 (V) Submarine Sonar Basic Maintenance Technician

Operates and performs organizational level maintenance on the BQQ-5 or 5 (V) submarine sonar equipment using built-in test equipment and Performance Monitoring/Fault Localization (PM/FL) function.

Source Rating: STS	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

STG-0413 AN/SQQ-89(V)3/5 Sonar Subsystem Level I Technician/Operator

Performs equipment light-off, operation and shut-down of the following subsystems; AN/SQQ-28(V) Sonar Signal Processing System, AN/SQR-19(V) TACTAS, AN/UYQ-25A(V)2 or AN/UYQ-25B and the AN/SQS-53B(V) Sonar. Identify acoustic signatures to source. Recognizes abnormal panel/screen indications and performs the preventive maintenance or fault location routines necessary to evaluate these conditions. Identifies, tracks and classifies targets and potential targets.

Source Rating: STG	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: K-130-1142	CDP: 255Z
Sequence Code: 6	RBTR:	NR Ind: R
Component NEC: 0445	Related NEC:	Open to Women: Yes

Primary Advisor: CNO N769 Technical Advisor: PMS411 ECM: N132D5

STG-0414 AN/SQQ-89(V)3/5 Active Sonar Level II Technician/Operator

Performs organizational level maintenance on and operates sonar subsystems including; AN/SQS-53B Sonar System, AN/UQN-4/4A Sonar Sounding Set and the AN/WQC-2/2A Sonar Communications Set. Identify acoustic signatures to source. Operate the following subsystems; AN/SQQ-28(V) Sonar Signal Processing System, AN/SQR-19(V) TACTAS, AN/UYQ-25A(V)2 or AN/UYQ-25B and the AN/SQS-53B Sonar System.

Source Rating: STG	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: K-130-1131	CDP: 235J
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC: 0413	Related NEC: 0413	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: PMS411	ECM: N132D5

STG-0415 AN/SQQ-89(V) 2/3/4/6/7/8/9/12 Passive Sonar Level II Technician/Operator

Performs organizational level maintenance on and operates sonar subsystems including; Integrated AN/SQR-19(V) Towed Array and AN/SQQ-28(V) Sonobouy Sensors, AN/UYQ-25A(V)2, AN/BQH-7A Oceanographic Data System, AN/SLQ-25A (NIXIE) and the AN/SQQ-89(V) OBT(V)-T. Identify acoustic signatures to source. Operates the following subsystems; AN/SQS-56 or AN/SQS-53B or AN/SQS-53C or AN/SQS-53D sonar and AN/UYQ-25A or AN/UYQ-25B.

Source Rating: STG	Billet Paygrades: E4-E8	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: K-130-1135, K-130-1132, K-130-1133	CDP: 235N, 235K, 235L
Sequence Code: 5	RBTR:	NR Ind: N
Component NEC: 0406 or 0411 or 0413 or 0511	Related NEC: 0407	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: PMS411	ECM: N132D5

STS-0416 Acoustic Intelligence Specialist

Performs independent duty afloat and ashore as an advisor to Commanding Officers and sonar organizations on acoustic intelligence matters. Reviews documentary, aural and graphically displayed sonar information. Determines nature and origin of acoustic intelligence and prepares acoustic reports. Assists in developing techniques for derivation of maximum information and intelligence value from acoustic data. Prepares and provides briefings and formalized training on acoustic intelligence and related matters.

Source Rating: STS STG	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course:	CIN:	CDP:
Sequence Code: 2	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779, CNO N769	Technical Advisor: ONI	ECM: N132D9

NOTES:

1. Must be physically qualified to perform duty on board submarines. Personnel holding NEC ST-0416 are routinely assigned temporary additional duty (TAD) on board submarines during the qualification program and subsequent sea duty tour.
2. Personnel who are assigned to a billet other than an ST-0416 billet for more than a two year period must requalify at NAVTECHINTCEN prior to being reassigned to an ST-0416 billet. NAVTECHINTCEN will submit a EPMAC 1221/2 in accordance with Appendix B to remove NEC ST-0416 for personnel who fail to qualify.
3. STS personnel must successfully complete a 15-18 month training program (at either UIC 32998, UIC 42914 or UIC 42916) and receive Board qualification at NAVTECHINTCEN for award of NEC ST-0416.
4. STG personnel must successfully complete a 15-18 month training program (at UIC 32998 or UIC 46089) and receive board qualification at NAVTECHINTCEN for award of NEC ST-0416.

STG-0417 ASW Specialist

Assists in preparation of ASW operations. Analyzes and determines the classification of received acoustic signals. Evaluates target motion analysis and sonobuoy localization. Conducts post mission analysis and initial reconstruction. Directs the ship's acoustic analysis training and qualification program. Advises on threat interpretations and sonar employment.

Source Rating: STG	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: K-210-0500	CDP: 1271
Sequence Code: 2	RBTR:	NR Ind: R
Component NEC: 0450	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

STS-0418 AN/BSY-1 (XN-1) (V) Basic Organizational Maintenance Technician

Operates and performs basic Organizational level maintenance, Advanced Organizational level maintenance procedures on the Combat Control/Acoustic set AN/BSY-1 (XN-1) (V) acoustic equipment installed on 688 Class SSNs.

Source Rating: STS	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

STS-0419 AN/BSY-1 (XN-1) (V) Advanced Organizational Maintenance Technician
Operates and performs basic Organizational level maintenance, Advanced Organizational level maintenance procedures on the Combat Control/Acoustic set AN/BSY-1 (XN-1) (V) acoustic equipment installed on 688 Class SSNs.

Source Rating: STS	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-130-0359	CDP: 769R
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

STS-0421 Submarine Special Purpose Acoustic Equipment Maintenance Technician
Operates and performs organizational level maintenance on auxiliary and special purpose submarine acoustic equipment.

Source Rating: STS	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 0419	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

STS-0422 BQQ-5/5 Submarine Sonar Advanced Maintenance Technician
Operates and performs organizational level maintenance on the BQQ-5 or 5 (V) submarine sonar equipment and combat systems interfaces using advanced maintenance practices to locate and correct malfunctions which are beyond the scope of the built-in Performance Monitoring/Fault Localization (PM/FL) function.

Source Rating: STS	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 0412	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

NOTE: Graduates of course A-130-0098 or A-130-0210 who attended the IBM Maintenance Practices Factory course qualify for this NEC but received training on the BQQ-5 equipment only.

STS-0424 AN/BQQ-6 TRIDENT LEVEL II Journeyman Operation and Maintenance Technician
Operates and performs organizational level maintenance with limited supervision on sonar subsystem Groups A through H (AN/BQQ-6) and all other peripheral equipment. Utilizes Performance Monitoring/Fault Localization (PM/FL) Processor, Fault Status/Fault Localization Printer, Maintenance Keyboard and all other BQQ-6 sonar test equipment to troubleshoot. Provides supervisory direction and guidance to Level I SSBN personnel operating the sonar system in normal and casualty modes. Performs maintenance while adhering to safety precautions applicable to this equipment.

Source Rating: STS	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E8
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

STS-0425 AN/BQQ-6 TRIDENT LEVEL III Master Operation and Maintenance Technician
Operates all TRIDENT AN/BQQ-6 sub systems and equipment in all modes and performs all preventive and corrective maintenance on the sonar equipment including advanced corrective maintenance. Provides supervisory guidance to Level I and II trained SSBN personnel in the operation and maintenance of the AN/BQQ-6 sonar system equipment. Performs Division Administrative functions and acts as senior watch supervisor for underway and inport sonar watches. Utilizes advanced troubleshooting and systems analysis procedures.

Source Rating: STS	Billet Paygrades: E5-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-130-0360	CDP: 769S

Sequence Code: 3 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: No
Primary Advisor: CNO N779 | Technical Advisor: NAVSEA | ECM: N132D9

STG-0429 AN/SQQ-89(V) MK-116 Mod 6/7 Anti-Submarine Warfare Control System Level II Technician.
Performs organizational level maintenance on subsystems including; Underwater Fire Control MK116 MOD 6/7 Anti-Submarine Warfare Control System (ASWCS). Operate the following subsystems; AN/SQS-53B or AN/SQS-53C or AN/SQS-53D sonar and AN/UYQ-25A(V)2 (SIMAS).

Source Rating: STG | Billet Paygrades: E4-E8 | Personnel Paygrades: E4-E9
Course: Course Mandatory | CIN: K-130-0281 | CDP: 091E
Sequence Code: 5 | RBTR: | NR Ind: R
Component NEC: 0411 or 0413 or 0511 | Related NEC: | Open to Women : Yes
Primary Advisor: CNO N769 | Technical Advisor: PMS411 | ECM: N132D5

STG-0430 Underwater Fire Control System MK-116 MOD 7 Anti-Submarine Warfare Control System Operator
Performs light-off, operation, and shut-down of complete and/or portion of the Underwater Fire Control System (UFCS) MK-116 MOD-7 Anti-Submarine Warfare Control System with the knowledge and skills to function as an Anti-Submarine Warfare Control System Operator (ASWCSO) during all phases of the ASW mission.

Source Rating: STG | Billet Paygrades: E4-E9 | Personnel Paygrades: E4-E9
Course: Course Mandatory | CIN: K-130-1149 | CDP: 378N
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: 0450 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N769 | Technical Advisor: PMS411 | ECM: N132D5

STG-0436 MK-116 MOD 2/4 Underwater Fire Control Subsystem Level II Technician/Operator
Performs organizational level maintenance on subsystem MK116 MOD 2/4. Operate the following subsystems; AN/SQS-53A or AN/SQS-53D(V)1 and AN/UYQ-25A(V)2 (SIMAS).

Source Rating: STG | Billet Paygrades: E4-E9 | Personnel Paygrades: E4-E9
Course: Course Mandatory | CIN: K-130-0247 | CDP: 062G
Sequence Code: 5 | RBTR: | NR Ind: R
Component NEC: 0406 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N769 | Technical Advisor: PMS411 | ECM: N132D5

STG-0438 MK-116 MOD 1 Underwater Fire Control System Level II Technician
Operates and performs organizational and/or intermediate level maintenance on surface underwater fire control equipment.

Source Rating: STG | Billet Paygrades: E4-E7 | Personnel Paygrades: E3-E9
Course: Course Mandatory | CIN: | CDP:
Sequence Code: 3 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N769 | Technical Advisor: NAVSEA | ECM: N132D5

STG-0439 Underwater Fire Control System MK-116 MOD 6 Anti-Submarine Warfare Control SubSystem Operator
Performs light-off, operation, and shut-down of complete and/or portion of the Underwater Fire Control System (UFCS) MK-116 MOD-7 Anti-Submarine Warfare Control System with the knowledge and skills to function as an Anti-Submarine Warfare Control System Operator (ASWCSO) during all phases of the ASW mission.

Source Rating: STG | Billet Paygrades: E4-E9 | Personnel Paygrades: E4-E9
Course: Course Mandatory | CIN: . | CDP:
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: 0450 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N769 | Technical Advisor: PMS411 | ECM: N132D5

STG-0443 AN/SQR-17/17A(V) Series Sonar Signal Processor Subsystem (SSPS) Level II Technician
Performs light-off, operation and shutdown of SQR-17A(V). Performs corrective action on abnormalities in system operation and organization level preventive and corrective maintenance.

Source Rating: STG | Billet Paygrades: E4-E7 | Personnel Paygrades: E4-E9
Course: Course Mandatory | CIN: | CDP:
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes

Primary Advisor: CNO N769 Technical Advisor: NAVSEA ECM: N132D5

STG-0445 Basic Acoustic Analyst

Classifies surface and subsurface contacts including torpedoes to probable main propulsion type in multiple contact environment. Operates and interprets active and passive sonar displays and extrapolates acoustic signature characteristics utilizing visual and aural indications of major and minor sound sources.

Source Rating: STG	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: K-130-1128	CDP: 234U
Sequence Code: 6	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

STG-0450 Journeyman Level Acoustic Analyst

Classifies surface and subsurface contacts by class and distinguishes between class variants utilizing visual and aural indications of major, minor and transient sound sources and active emissions in a multiple contact environment; interprets indirect and inferred relationships, modulation structures, resonance component and target behavior characteristics; recognizes friendly and threat weapons system acoustic characteristics; and accomplishes acoustic intelligence (ACINT) collection requirements and procedures.

Source Rating: STG AW	Billet Paygrades: E5-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: K-210-0529	CDP: 164X
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 7821	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

NOTE: Component NEC of 7821 is a requirement for AW personnel only.

STG-0455 AN/SQQ-89(V) 4/6 Active Sonar Level II Technicain

Performs organizational level maintenance on subsystems including; AN/SQS-53C Sonar System, AN/UQN-4/4A Sonar Sounding Set and the AN/WQC-2/2A Sonar Communications Set. Identify acoustic signatures to source. Operate the following subsystems; AN/SQQ-28(V) Sonar Signal Processing System, , AN/SQS-19(V) TACTAS, AN/SQS-35C(V) 1/2/3 and AN/UYQ-25A(V)2 or AN/UYQ-25B SIMAS.

Source Rating: STG	Billet Paygrades: E4-E8	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: K-130-1134	CDP: 235M
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC: 0411	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: PMS411	ECM: N132D5

STG-0457 AN/SQS-53A Sonar Subsystem Level II Technician/Operator

Performs organizational level maintenance on subsystems including; AN/SQS-53A Sonar System, AN/UQN-4/4A Sonar Sounding Set and the AN/WQC-2/2A Sonar Communications Set. Identify acoustic signatures to source. Operate the following subsystems; AN/SQQ-28(V) Sonar Signal Processing Signal, AN/UYQ-25A(V)2 and/or AN/SQR-19(V)TACTAS.

Source Rating: STG	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC: 0406	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: PMS411	ECM: N132D5

STS-0461 AN/BSY-2(V) Advanced Maintainer

Performs organizational level preventive and corrective maintenance, troubleshooting, and fault isolation procedures on the electrical/electronic components of the Acoustic and common portions of the AN/BSY-2(V) Submarine Combat Systems.

Source Rating: STS	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Mandatory	CIN: A-130-0356	CDP: 0476
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC: 0419	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

STG-0466 Journeyman Surface Sonar Technician

Supervise the activities of sonar operators in the start-up, operation, shut-down and organizational level maintenance of the AN/SQQ-89(V) USW Combat System and associated equipment. Responsible for the on-board sonar system maintenance/ operator training. Evaluate the sonar

environment performance threat characteristics, expected operations, and make recommendations for best suite utilization, as well as perform all other supervisor roles.

Source Rating: STG	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: K-130-1157	CDP: 316S
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC: 0430, 0439	Related NEC:	Open to Women : Yes
Primary Advisor: CNO N769	Technical Advisor: PMS411	ECM: N132D5

STG-0469 AN/SQQ-89(V)14 Surface Ship USW Combat

Performs equipment light-off and shut-down, and organizational level maintenance of the AN/SQQ-89(V)14 Sensor Functional Segments including: Hull Sonar Functional Segment (HSFS), LAMPS Sonobuoy Functional Segment (LSFS), On-Board Trainer Functional Segment (OBTFS), and AN/UYQ-70(V) shared display workstations. Recognizes abnormal functional segment malfunctions. Utilizes the System Resource Manager (SRM) function and built in Performance Monitoring/Fault Detection/Fault Localization (PM/FD/FL) software to isolate and correct faults to the Lowest Replaceable Unit (LRU). Operates the Hull Sonar and LAMPS Functional Segments.

Rating: STG	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Mandatory	CIN: K-130-1163	CDP: 5367
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC: 0508	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

STG-0476 AN/SQQ-89 (v) Sensor Maintenance

Performs equipment light-off, operation and shutdown of the AN/SQQ-89 (V) 10 sensor component systems utilizing front panel and remotely located controls. Recognizes normal panel indications and identifies basic and complex malfunctions, and using these symptoms and effect as indicators performs corrective maintenance. Performs organizational level preventive and corrective maintenance.

Rating: STG	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Mandatory	CIN: K-130-1154	CDP: 316W
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC: 0414, 0455, 0510	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

STG-0488 AN/SQQ-32 Minehunting Sonar Set Operator

Operates the AN/SQQ-32 Minehunting sonar set during minehunting/minesweeping evolutions. Performs as a team member in the MCM/MHC Combat Information Center (CIC) supplying information such as bearing and range of underwater vehicles an mine-like objects. Maintains contact logs and records and ensures proper documentation of the mission.

Source Rating: STG MN	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-130-2566	CDP: 575K
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

STG-0490 AN/SQQ-32 Minehunting Sonar Set Maintenance Technician

Detects, diagnoses and isolates equipment failures using computer aided Preventive Maintenance/Fault Location (PM/FL) software, Fault Location Diagrams (FLD), Maintenance Dependency Charts (MDC), schematics, wiring and logic diagrams. Corrects faults by removal and replacement of failed modules and components (includes the use of wire wrap tools). Calibrates, aligns, adjusts and make measurements to ensure the system is performing to operational specifications. Prepares system documentation such as OPNAV 4790/2K, logs and maintenance schedules.

Source Rating: STG MN	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-130-2565	CDP: 575L
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 0488	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

STG-0495 Sonar Technician AN/BQQ-5 Series (B/C/D/E) Advanced Maintainer

Operates and performs organizational level maintenance on BQQ-5 or 5(V) submarine sonar equipment and combat system interfaces using advanced maintenance practices to locate and correct malfunctions that are beyond the scope of the built-in Performance Monitoring/Fault Localization (PM/FL) function.

Source Rating: STS	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-130-0357	CDP: 769M, 769N

Sequence Code: 2	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D5

STS-0501 Submarine Sonar Master Analyst
Conducts in-depth acoustic analysis and contact evaluation onboard submarines.

Source Rating: STS	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN: A-130-0336	CDP: 1989
Sequence Code: 5	RBTR:	NR Ind: N
Component NEC: See Note	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

Note: Personnel must hold one of the following NECs prior to award of this NEC: 0412, 0418, 0419, 0421, 0422, 0424, 0425, 0461, 0495, or 0518.

STG-0505 IUSS Analyst
Classifies and positions acoustic contacts from SOSUS, SURTASS, and FDS collected or relayed to an IUSS facility and generates reports to higher authority.

Source Rating: STG	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: A-130-0366	CDP: 592E
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women : Yes
Primary Advisor: CNO N779	Technical Advisor: SPAWAR	ECM: N132D5

Note: Those STG personnel that do not receive the IUSS Analyst Course may be awarded the NEC upon successful completion on qualification as a Sensor Operator (SO) , completion of one year in an SO operational billet, meet site requirements and are recommended by the Commanding Officer.

STG-0506 IUSS Maintenance Technician
Performs at the organizational level preventative and corrective maintenance on SOSUS, SURTASS, and FDS components.

Source Rating: STG	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandtory	CIN: A-130-0566	CDP: 5741
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women : Yes
Primary Advisor: CNO N779	Technical Advisor: SPAWAR	ECM: N132D5

Note: Duty Maintenance Technician training will be conducted at IUSS sites. STG personnel who have achieved the Duty Maintenance Technician qualification, have served in that maintenance billet for one year, meet site qualification requirements and are recommended by the Commanding officer may be awarded the NEC.

STG-0507 IUSS Master Analyst
Conducts in-depth acoustic analysis, multiple ASW platform integration and data fusion. Conducts mission planning and performs contact evaluation based on acoustic contacts from SOSUS, SURTASS and FDS at IUSS facilities.

Source Rating: STG	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: OBT	CIN: A-130-0466	CDP: 5740
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC: 0505	Related NEC:	Open to Women : Yes
Primary Advisor: CNO N779	Technical Advisor: SPAWAR	ECM: N132D5

NOTE: Onboard Training (OBT) will be conducted at IUSS sites. The NEC will be awarded upon successful site qualification requirements. STG personnel who have achieved the Watch Coordinator Billet qualification, have served in that operational billet for one year, meet site qualification requirements and are recommended by the Commanding Officer may be awarded the NEC.

STG-0508 AN/SQQ-89(V)14 Sonar System Level I Technician
Performs equipment light-off, operation and shut-down of the AN/SQQ-89(V)14 sensors. Recognizes abnormal panel/screen indication and performs preventive maintenance or fault routines necessary to evaluate these conditions. Additionally the operator identifies, classifies, and tracks targets and potential targets.

Rating: STG	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8

Course: Mandatory	CIN: K-130-1162	CDP: 5363
Sequence Code: 6	RBTR: NR	Ind: R
Component NEC: 0445	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

STG-0509 AN/SQQ-89 (V) Adjunct Subsystem Level II Technician

Performs equipment light-off, operation and shutdown of the AN/SQQ-89(V) adjunct subsystem components comprised of the AN/UYQ-65, AN/SQQ-89(V) System Level Recorder (SLR), AN/SQQ-89 (V) Hard Copy Processing System (HCPS), AN/SLQ-132 Tactical Decision Support Subsystem (TDSS), AN/UYQ-25 (V) BI SIMAS 11, Torpedo Recognition and Alertment (TRA) equipment, Signal and Display Local Area Networks (LAN). Recognizes abnormal indications and identifies basic and complex systems malfunctions on the Adjunct Subsystem. Using these symptoms and effects as indicators, the technician performs corrective maintenance including Fiber Optic Cable repair as required. Performs scheduled maintenance.

Source Rating: STG	Billet Paygrades: E4-E9	Personnel Paygrade: E4-E9
Course: Mandatory	CIN: K-130-1156	CDP: 342U
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC: 0429	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

STG-0510 AN/SQS-53D Sensor Subsystem Level II Technician/Operator

Performs organizational level maintenance on subsystems including; AN/SQS-53D Sonar System, AN/UQN-4/4A. Sonar Sounding Set and the AN/WQC-2/2A Sonar Communications Set. Identify acoustic signatures to source. Operate the following subsystem; AN/SQQ-28(V) Sonar Signal Processing System, AN/AQR-19 (V) TACTAS and AN/UYQ-25B (SIMAS).

Source Rating: STG	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: K-130-1160	CDP: 342S
Sequence Code: 5	RBTR:	NR Ind: N
Component NEC: 0511	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: PMS411	ECM: N132D5

STG-0511 AN/SQQ-89(V) 8/12 Sonar Subsystem Level I Technician/Operator

Performs equipment light-off, operation and shut-down of the following subsystems; AN/SQQ-28(V) Sonar Signal Processing System, AN/SQR-19(V) TACTAS, AN/UYQ-25A(V)2 or AN/UYQ-25B and the AN/SQS-53D Sonar. Identify acoustic signatures to source. Recognizes abnormal panel/screen indications and performs preventive maintenance/fault location routines necessary to evaluate these conditions. Identifies, tracks and classifies targets and potential targets.

Source Rating: STG	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: k-130-1159	CDP: 342P
Sequence Code: 5	RBTR:	NR Ind: N
Component NEC: 0445	Related NEC: 0411, 0413	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: PMS411	ECM: N132D5

STG-0516 AN/SQQ-89(V)14 Undersea Warfare Control Operator

Performs equipment light-off, operations and shut-down of the complete and/or portion of the AN/SQQ-89(V) Undersea Fire Control System (UFCS) utilizing front panel and remotely located controls. Recognize abnormal panel indications. Identify basic and complex system malfunctions. Accepts, analyzes and processes targets/contact information from other sources and provides fire control data required to set and launch weapons.

Rating: STG	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-130-1164	CDP: 5368
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 0450	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

STS-0518 Sonar Technician AN/BQQ-10(V) Operator/Maintainer

Operates and performs organizational-level maintenance on AN/BQQ-10(V) submarine sonar system and combat systems interfaces using advanced maintenance practices to locate and correct malfunctions that are beyond the scope of the built-in performance monitoring/fault localization function.

Source Rating: STS	Billet Paygrades: E4-E8	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: A-130-0009, A-130-0010	CDP: 2392, 2393
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC: 0419 or 0422 or 0425 or 0495	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

STG-0612 TDP Displays Analyst
Supervises and coordinates SOSUS component signal and Target Data Processor (TDP) displays. Analyzes, interprets and utilizes data to generate reports to higher authorities. Performs operational maintenance on assigned equipment.

Source Rating: STG	Billet Paygrades: E5-E6	Personnel Paygrades: E4-E6
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: SPAWAR	ECM: N132D5

STG-0614 SURTASS Analyst
Supervises and coordinates SURTASS shore based component signal and data processing subsystem operations. Analyzes, interprets and utilizes data to generate reports to higher authorities. Performs operational maintenance on assigned equipment.

Source Rating: STG	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: SPAWAR	ECM: N132D5

STG-0615 IAP Displays Analyst
Operates Inter-array Processor and analyzes video and hard copy outputs.

Source Rating: STG	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: SPAWAR	ECM: N132D5

NOTE: NEC will be awarded upon completion of factory training or on-the-job training (OJT) pending commencement of formal training.

STG-0619 IUSS Acoustic Analyst
Performs detailed analysis of acoustic data collected at or relayed to IUSS center. Briefs, debriefs and instructs operations personnel Reconstructs exercises and operations advising staff and command personnel of detailed detection and classification based on total operations environment.

Source Rating: STG	Billet Paygrades: E7-E8	Personnel Paygrades: E6-E8
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: SPAWAR	ECM: N132D5

STG-0624 SURTASS Maintenance Technician
Performs preventive and corrective maintenance at the organizational level on SURTASS and components thereof.

Source Rating: STG	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E7
Course:	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: SPAWAR	ECM: N132D5

STG-0625 Ocean Systems Advanced Maintenance Technician
Performs preventive and corrective maintenance on equipment that compresses the Inter-array Processor (IAP) and Interactive Acoustic Display (IAD).

Source Rating: STG	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 0624 or 0626 or 0628	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: SPAWAR	ECM: N132D5

STG-0626 Ocean Systems ADP Maintenance Technician
Performs preventive and corrective maintenance at the organizational level on the AN/UYK-20 computer and associated peripherals.

Source Rating: STG
Course:
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N779

Billet Paygrades: E5-E8
CIN:
RBTR:
Related NEC:
Technical Advisor: SPAWAR

Personnel Paygrades: E4-E8
CDP:
NR Ind: R
Open to Women: Yes
ECM: N132D5

STG-0628 Ocean Systems Communications Maintenance Technician
Performs preventive and corrective maintenance at the organizational level on SADR and FAST sub systems and components.

Source Rating: STG
Course:
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N779

Billet Paygrades: E5-E6
CIN:
RBTR:
Related NEC:
Technical Advisor: SPAWAR

Personnel Paygrades: E4-E6
CDP:
NR Ind: R
Open to Women: Yes
ECM: N132D5

STG-0629 TDP Maintenance Technician
Performs preventive and corrective maintenance at the organizational level on the Target Data Processor (TDP) subsystem and components, including the UYK-7 computer.

Source Rating: STG
Course:
Sequence Code: 5
Component NEC: 0624 or 0626 or 0628
Primary Advisor: CNO N779

Billet Paygrades: E5-E6
CIN:
RBTR:
Related NEC:
Technical Advisor: SPAWAR

Personnel Paygrades: E5-E6
CDP:
NR Ind: R
Open to Women: Yes
ECM: N132D5

TORPEDOMAN'S MATE

TM-0746-0750 ADVANCED UNDERSEA WEAPONSMAN
Performs intermediate level maintenance on assigned torpedo and associated equipment to include troubleshooting, maintenance and the observance of handling and safety precautions. Employs knowledge of general description, operating principles and functions of all component and systems.

TM-0746 Advanced Undersea MK-46 Maintenance Weaponsman

Source Rating: TM GM
Course: Course Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N769

Billet Paygrades: E3-E8
CIN: A-123-0174
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E3-E9
CDP: 012T
NR Ind: R
Open to Women: Yes
ECM: N132D5

TM-0747 Advanced Undersea MK-46 Test Equipment Weaponsman

Source Rating: TM GM
Course: Course Mandatory
Sequence Code: 3
Component NEC: 0746
Primary Advisor: CNO N779, CNO N769

Billet Paygrades: E5-E8
CIN: A-123-0175
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E3-E9
CDP: 012S
NR Ind: R
Open to Women: Yes
ECM: N132D5

TM-0749 MK-48 Heavyweight Torpedo Test Equipment Maintenance Technician
Provides diagnostics, fault localization, repair, and calibration of MK-48 Torpedo on-line test equipment, all ship off-line test equipment, and analyzes exercise torpedo performance data from TIES tape strip outs.

Source Rating: TM GM MM
Course: Course Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N769

Billet Paygrades: E5-E9
CIN:
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E3-E9
CDP:
NR Ind: R
Open to Women: Yes
ECM: N132D5

TM-0750 Torpedo MK Heavyweight Off-line Technician
Provides off-line preventive and basic corrective maintenance at the Intermediate Maintenance Activity (IMA) level for the Afterbody/Tailcone and Fuel Tank sections of the Torpedo MK48, Mod 4, Mod 5 and Mod 6 (ADCAP).

Source Rating: TM GM MM

Billet Paygrades: E3-E9

Personnel Paygrades: E3-E9

Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N769

CIN: A-123-0191
RBTR:
Related NEC:
Technical Advisor: NAVSEA

CDP: 4807
NR Ind: R
Open to Women: Yes
ECM: N132D5

TM-0751 Torpedo MK48 Heavyweight On-Line Technician
Provides on-line preventive and basic corrective maintenance at the Intermediate Maintenance Activity (IMA) level for the Guidance and Control section, Warhead section, and Fleet Exercise sections of the MK48 Mod5 and Mod6 (ADCAP) ; the Nose Group, Command and Control Unit, Warhead Group, and TIES sections of the Torpedo MK48 Mod 4, and MK48 Heavyweight Torpedo all up Rounds.

Source Rating: TM GM MM, ET(SS), FT, STS
Course: Course Mandatory
Sequence Code: 3
Component NEC: 0750
Primary Advisor: CNO N769

Billet Paygrades: E3-E9
CIN: A-123-0192
RBTR:
Related NEC: 0749
Technical Advisor: NAVSEA

Personnel Paygrades: E5-E9
CDP: 4818
NR Ind: R
Open to Women: Yes
ECM: N132D5

GUNNER'S MATE

GM-0812 Small Arms Marksmanship Instructor
Performs specific duties as a Small Arms Marksmanship Instructor. Conducts training in all phases of basic marksmanship, both ashore and afloat, including firearms safety, mechanical training on small arms, instructional and qualification firing, basic range operations, records and reports. Performs preventive maintenance on small arms.

Source Rating: AO AW GM MA MN MM TM
Course: Course Mandatory
Sequence Code: 7
Component NEC:
Primary Advisor: CNO N769, CNO N789

Billet Paygrades: E5-E9
CIN: A-041-0148
RBTR: R-041-0148
Related NEC:
Technical Advisor: NAVAIR, NAVSEA

Personnel Paygrades: E5-E9
CDP: 0165, 703H
NR Ind: A
Open to Women: Yes
ECM: N132D5

NOTES:
1. Personnel holding 532X or 533X series NECs may be awarded this NEC upon completion of formal training.
2. Source rating MM must be qualified in submarines to be awarded NEC.
3. Source rating AW must hold NEC AW-7815 prior to assignment of this NEC.

GM-0877 5"/54 Mount MK-45 MOD 0 Maintenanceman
Operates and maintains the 5/54 MK-45 MOD 0 Gun Mount. Performs organizational level maintenance.

Source Rating: GM
Course:
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N769

Billet Paygrades: E3-E8
CIN:
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E3-E9
CDP:
NR Ind: R
Open to Women: Yes
ECM: N132D5

GM-0878 Oto Melara 76 MM/62 Caliber Gun Mount MK-75 MODS 0/1 Maintenanceman
Operates and maintains the 76 MM/62 Caliber Gun Mount.

Source Rating: GM
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N769

Billet Paygrades: E4-E7
CIN: A-113-0040
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E3-E9
CDP: 404L
NR Ind: R
Open to Women: Yes
ECM: N132D5

GM-0879 5"/54 Caliber Gun System MK-45 MOD 1 Maintenanceman
Operates and maintains the 5/54 caliber MK-45 MOD 1 Gun Mount. Uses general and special purpose electronic test equipment to perform organizational level maintenance.

Source Rating: GM
Course: Course Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N769

Billet Paygrades: E3-E8
CIN: A-113-1115
RBTR:
Related NEC: 0877
Technical Advisor: NAVSEA

Personnel Paygrades: E3-E8
CDP: 0393, 5254
NR Ind: R
Open to Women: Yes
ECM: N132D5

GM-0880 5”/62-Caliber MK 45 MOD 4 Gun Mount Maintenance

Operates and maintains the 5”/62-Caliber MK 45 MOD 4 Gun Mount. Uses general and special purpose test equipment and built-in test equipment to perform organizational level maintenance. Loads, stows and unloads 5”/62-Caliber ammunition and EX 171 Extended Range Guided Munition (ERGM). Inspects and maintains magazines including magazine sprinkling systems.

Source Rating: GM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-113-2101	CDP: 607K
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 0879	Related NEC: 0877	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

GM-0979 MK-41 VLS Baseline IV Through VII Technician
Operate, maintain, fault isolate and perform repair procedures on the MK-41 VLS Baselines IV through VII unique equipment.

Source Rating: GM	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Pending	CIN;	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 0981	Related NEC: 0983	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

GM-0981-0991 GUIDED MISSILE LAUNCHING SYSTEMS AND MISSILE MAINTENANCE TECHNICIAN
Operates, inspects and performs organizational and/or intermediate level maintenance on electric-hydraulic powered guided missile launching system, missile equipment and explosive components. Prepares missile components and associated equipment for checkout and/or firing. Inspects and stows warheads, fuses, detonators and rocket motors. Installs explosive components in missiles and operate special handling equipment to transport missiles. Fuels missiles and services their pneumatic and hydraulic components and systems. Tests and repairs electrical control circuitry, electronic and magnetic amplifiers and power supplies, using standard and special test equipment. Personnel in paygrades E-7 and above will supervise the foregoing , organize and monitor system test teams and instruct junior personnel in all aspects of their assigned equipment.

GM-0981 MK-41 Vertical Launching System Maintenance Technician

Source Rating: GM	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-121-0522	CDP: 1993, 575C
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

NOTES:
1. Personnel holding this NEC must maintain Personnel Reliability Program (PRP) eligibility.
2. NEC will be removed if service member is permanently removed from PRP for any reason.
3. Temporary removal from PRP for medical or administrative reasons does not require removal of NEC.

GM-0982 Guided Missile Launching System (GMLS) MK 26 Obsolescence Recovery Program (ORP) Technician
Operate, maintain, troubleshoot and repair GMLS MK 26 3-5 microprocessor-based control system.

Source Rating: GM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-121-0566	CDP: 714P
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC: 0989	Open to Women : Yes
Primary Advisor: CNO N769	Technical Advisor: SECGRU	ECM: N132D5

GM-0983 MK 41 Vertical Launching System (VLS) Advanced Technician
Performs intermediate level maintenance and repair on the MK 41 Vertical Launching System (VLS) at Fleet Group and selected shore activity commands.

Source Rating: GM	Billet Paygrades: E7-E9	Personnel Paygrades: E7-E9
Course: Course Mandatory	CIN: S-121-1000	CDP: 0136
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 0981	Related NEC:	Open to Women : Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

GM-0989 Guided Missile Launching System MK-26 MODS 0, 1 and 2 Maintenance Technician

Source Rating: GM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-121-0982	CDP: 1375

Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

GM-0991 Guided Missile Launching System MK-13 MOD 4/MK-22 MOD 1 Maintenance Technician

Source Rating: GM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-121-0474	CDP: 017S
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

GM-1026 Warhead Maintenance Specialist
Performs depot level maintenance on a broad spectrum of nuclear warheads and adaption kits.

Source Rating: AO GM TM	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769, N879, N889	Technical Advisor: NAVSEA	ECM: N132D5

FIRE CONTROLMAN

FC-1101 Fire Control System (FCS) MK-92 MOD 6 Coherent Receiver/Transmitter (CORT) Technician
Performs preventive and corrective maintenance, casualty analysis, fault isolation, and operates, test, aligns, and repairs equipment such as the Coherent Receiver/Transmitter (CORT), Combined Antenna System (CAS), Separate Track and Illuminating Radar (STIR) director and associated equipment, the servo control cabinet, and the weapons control consoles. Performs operation, program diagnosis and cord replacement repair (level 1) on the UYK-7 computer, OS-172(V), UYK DEAC and PJ-194(V)/UYK-4 Display consoles. Performs overall operation, maintenance and repair of the system and its interfaces with other systems in support of the ship's combat system in tactical situations and during combat system operability tests.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-113-0102	CDP: 9684
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC: 1102	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1102 MK-92 Fire Control System Technician
Performs preventive and corrective maintenance on assigned equipment at the organizational and intermediate level using NAVSEA Technical Manuals, circuit diagrams and other appropriate documentation. Performs casualty analysis and fault isolation. Operates, tests, aligns, and repairs equipment such as the Combined Antenna System (CAS) and the separate Track and Illuminating Radar (STIR) director and associated equipment, the servo control cabinet and the weapons control consoles. Performs operation, program diagnosis and card replacement repair (level 1) on the UYK-7 computer, OS-172(V), UYK DEAC and OJ-194(V)/UYK-4 Display Console. Performs overall operation and repair of the system and its interfaces with other systems in support of the ship's combat system in tactical situations during combat system operability test.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-113-0080	CDP: 2967, 036X
Sequence Code: 5	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1104 AEGIS Combat System (BL4) Maintenance Supervisor
Directs and coordinates maintenance actions, test and performs operational procedures on all AEGIS Combat System elements to achieve performance standards meeting design specifications. Directs and coordinates the efforts of AEGIS Combat System personnel to ensure an integrated approach to achieving full combat system operational status. Isolates faults within an AEGIS Combat System through systematic diagnosis of results of operational tests. Monitors and performs preventive and corrective maintenance through test procedures to ensure performance in accordance with AEGIS Combat System design operational specifications.

Source Rating: FC	Billet Paygrades: E7-E9	Personnel Paygrades: E7-E9
Course: Course Mandatory	CIN: S-121-0548	CDP: 941F
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 1105 or 1108	Related NEC: 1105, 1118, 1119 1143, 1144	Open to Women: Yes

Primary Advisor: CNO N769 Technical Advisor: NAVSEA ECM: N132D5

NOTE: Personnel in Paygrades E8-E9 are not required to hold component NECs to be awarded this NEC.

FC-1105 AEGIS Weapon System MK-7 Technician

Directs and coordinates work performed by assigned technicians in the functional integration and operation of all elements of the AEGIS weapon system MK-7 Technician including the interface with other systems. Organizes equipment technicians as a system team. Assists maintenance officer in scheduling equipment.

Source Rating: FC
Billet Paygrades: E6-E9
Personnel Paygrades: E6-E9
Course: Course Mandatory
CIN: S-121-0547
CDP: 198N
Sequence Code: 3
RBTR:
NR Ind: R
Component NEC: 1106 or 1107 or 1115 or 1118 or 1119 or 1143 or 1144
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N769
Technical Advisor: NAVSEA
ECM: N132D5

FC-1106 AEGIS Fire Control System MK-99/Operational Readiness Test System MK-1 Technician

Performs preventive and corrective maintenance on assigned equipment at the organizational level using the Operational Readiness Test System MK-1 supported by microfiche work packages and other appropriate technical documentation. Performs fault isolation, tests, aligns, and repairs individual equipment. Operates system consoles and other equipment employed in support of the ship's combat system in a tactical situation and during test and evaluation.

Source Rating: FC
Billet Paygrades: E4-E7
Personnel Paygrades: E3-E9
Course: Course Mandatory
CIN: S-104-0192
CDP: 035C
Sequence Code: 4
RBTR:
NR Ind: R
Component NEC:
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N769
Technical Advisor: NAVSEA
ECM: N132D5

FC-1107 AEGIS Radar System (SPY-1A) Technician

Performs preventive and corrective maintenance on assigned equipment at the organizational level using the Operational Readiness Test System MK-1 supported by microfiche work packages and other appropriate technical documentation. Performs fault isolation, tests, aligns, and repairs individual equipment. Operates system consoles and other equipment employed in support of the ship's combat system in a tactical situation and during test and evaluation.

Source Rating: FC
Billet Paygrades: E4-E7
Personnel Paygrades: E3-E9
Course: Course Mandatory
CIN: S-104-0191
CDP: 035D
Sequence Code: 3
RBTR:
NR Ind: R
Component NEC:
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N769
Technical Advisor: NAVSEA
ECM: N132D5

FC-1108 AEGIS Weapon System MK-7 Technician

Directs and coordinates work performed by assigned technicians in the functional integration and operation of all elements of the AEGIS weapon system MK-7, including the interface with other systems. Organizes equipment technicians as a system team. Assists maintenance officer in scheduling equipment maintenance.

Source Rating: FC
Billet Paygrades: E6-E9
Personnel Paygrades: E6-E9
Course: Course Mandatory
CIN: S-121-0551
CDP: 171J
Sequence Code: 3
RBTR:
NR Ind: R
Component NEC: 1106 or 1107 or 1115 or 1118 or 1119 or 1143 or 1144
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N769
Technical Advisor: NAVSEA
ECM: N132D5

FC-1110 TOMAHAWK Weapon System (VLS) Maintenance Technician

Performs preventive and corrective maintenance for the alignment adjustment removal repair and replacement of equipment to include computer diagnostic tests fault isolation of casualties to the lowest replaceable assembly (printed circuit card or main frame mounted piece part) removal and replacement of interconnecting wiring harnesses and alignment/adjustment procedures.

Source Rating: FC
Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9
Course: Course Mandatory
CIN: J-121-0520
CDP: 235T, 246R
Sequence Code: 5
RBTR:
NR Ind: R
Component NEC:
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N769
Technical Advisor: NAVSEA
ECM: N132D5

FC-1115 AEGIS Combat System Display Maintenance Technician

Operates and performs organizational level maintenance on the AEGIS display system UYA-4(V) including the use of special tools and test equipment operational test alignments and adjustments recognition and interpretation of malfunctions documented fault isolation procedures techniques to employ when procedures fail to isolate the malfunction and disassembly and reassembly procedures.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: S-150-0238	CDP: 035B
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1117 TARTAR WDS MK-14 MOD 4/CTS SYR-1 Technician

Performs preventive and corrective maintenance on the WDS MK-14 MOD 4 or 5 and the AN/SYR-1 communications tracking set at the organizational level using ordnance publications, circuit diagrams and other appropriate documentation. Performs casualty analysis and fault isolation, operates, test, aligns, and repairs individual equipment, the system and the interfaces with other systems. Operates the OJ-194(V)/UYA-4 consoles, digital fire control computer and associated equipment employed in support of the ship's weapon system in a tactical situation and during test and evaluation.

Source Rating: FC	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind: N
Component NEC:	Related NEC: 1116	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1118 AEGIS Display Technician (CG 60-DDG 58)

Operates and performs organizational level maintenance on the AEGIS Display suite of equipment for CG 60-DDG 58 including the use of special tools and test equipment, operational test, alignment and adjustments, recognition and interpretation of malfunctions, documented fault isolation procedures, techniques to employ when procedures fail to isolate the malfunction, and disassembly and reassembly.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: S-150-0273	CDP: 198F
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1119 AEGIS Radar System (SPY-1B/D) Technician

Performs preventive and corrective maintenance on assigned equipment at the organizational level using the Operational Readiness Test system MK-1 MOD, supported by appropriate technical documentation. Performs fault isolation, tests aligns, and repairs individual equipment. Operates system consoles and other equipment employed in support of the ship's combat system in a tactical situation and during test and evaluation.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: S-104-0210	CDP: 198K
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1120 GCS MK-160 MOD 4 Fire Control Technician

Performs planned and corrective maintenance (piece part repair) on the Gun Computer System MK-160 MOD 4 of the Gun Weapons System MK-34 MOD 0 at the organizational and intermediate levels. The GCS MK-160 MOD 4 includes the Gun Console Computer, Computer Display Console, recorder-reproducer, Signal Data Converter/Gun Mount Processor and other equipment. Performs system test and alignment of the GCS MK-160 MOD 4. Operates the equipment during Conditions I and II.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: A-113-0131	CDP: 574Z
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1121-1130 AUTOMATIC GUNFIRE CONTROL SYSTEMS TECHNICIANS

Performs preventive and corrective maintenance on assigned equipment at the organizational and/or intermediate level using ordnance publications, circuit diagrams, and other appropriate documentation. Performs casualty analysis and fault isolation, and operate test, align and repair individual

equipment, the system and the interface with other systems. Operates the director(s), computer(s), radar console(s) and associated equipment as applicable in support of the ship's weapons system in a tactical situation and during test and evaluation.

FC-1121 CIWS MK-15 BLOCK 11-14 Technician

Source Rating: FC	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-113-0114 A-113-0095	CDP: 156A, 574Y 196H, 574W
Sequence Code: 5	RBTR: R-113-0114-01	NR Ind: R
Component NEC:	Related NEC: 1127	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1122 PHALANX CLOSE-IN WEAPON SYSTEM MK 15, MOD 21, 22, AND 25 (BLOCK IB) TECHNICIAN
Performs preventive and corrective maintenance on assigned equipment at the organizational and/or intermediate level using ordnance publications, circuit diagrams, and other appropriate documentation. Performs casualty analysis and fault isolation; operate, test, align and repair individual equipment, system and associated interfaces. Performs search, threat evaluation, acquisition, tracking, engagement and kill assessment of assigned targets. Operates Local Control Station (LCS), computer, Remote Control Station (RCS) and associated loading equipment as applicable in support of the ship’s weapon system.

Source Rating: FC	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Pending	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind : N
Component NEC: 1121	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1127 AGFCS MK-15 BLOCK 0 (PHALANX) Technician

Source Rating: FC	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-113-0076	CDP: 5617
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

NOTE: NEC may be earned upon completion of course A-113-0078 or completion of the 10 week Industrial Training at Naval Ordnance station, Louisville, KY for personnel assigned to MOTUs.

FC-1130 AGFCS MK-86 MOD 5/8/9/10 System Technician

Source Rating: FC	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-113-0151	CDP: 445S, 376L, 445R
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

NOTES:
1. Personnel previously holding FC-1128 or FC-1129 who have completed two years OJT on the MK-86 system and have their Commanding Officer's recommendation may be awarded NEC 1130.
2. Personnel who previously held either FC-1128 or FC-1129 will be counted as having FC-1130 for SORTS reporting purposes.

FC-1138 Search Radar (SPS-48C) Technician
Performs preventive and corrective maintenance on assigned equipment at the organizational and/or intermediate level using ordnance publications, circuit diagrams and other appropriate documentation. Performs casualty analysis, fault isolation and operates, tests, aligns, and repairs individual equipment, the system and the interface with other systems. Operates the radar consoles and associated equipment in support of the ship's weapons system in a tactical situation and during test and evaluation.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 5	RBTR: R-104-0188-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1139 GCS MK 160 MOD 8/OSS MK 46 MOD 1 Fire Control Technician

Performs planned and corrective maintenance on the Gun Computer System MK 160 MOD 8 and Optical Sight System MK 46 MOD 1 of the Gun Weapon System MK 34 MOD 1 at the organizational and intermediate levels. Performs casualty analysis, fault detection/isolation, modular replacement, repair, test and alignment of individual equipment using Built-In-Test Capability. Operates the GCS Gun Console (GC) and OSS Control and Display (CDC) consoles and associated equipment in support of the ship's combat weapon system in a tactical situation and during test and evaluation.

Source Rating: FC	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E9
Course: Pending	CIN:	CDP:
SequenceCode: 4	RBTR:	NR Ind: R
Component NEC: 1120	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1140 AN/SPS-48E Search Radar Technician

Performs preventive and corrective maintenance on assigned equipment at the organizational and/or intermediate level using ordnance publications, circuit diagrams and other appropriate documentation. Performs casualty analysis, fault isolation and operates, tests, aligns, and repairs individual equipment, the system and the interface with other systems. Operates the radar consoles and associated equipment in support of the ship's weapons system in a tactical situation and during test and evaluation.

Source Rating: FC	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-104-0206	CDP: 574U
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1141 TARTAR Missile Fire Control System MK-74 MOD 15 Technician

Directs and coordinates work performed by subordinate technicians assigned to the TARTAR CGN 36 NTU Baseline AAW weapon system and associated equipment in support of ship's missile weapons system in tactical situations and during test and evaluation. Organizes equipment technicians as a system team and assists the maintenance officer in scheduling equipment maintenance.

Source Rating: FC	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 1117 or 1118 or 1138 or 1140 or 1158 or 1167		
	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1142 Search Radar (SPS-52C) Technician

Performs preventive and corrective maintenance on assigned equipment at the organizational and/or intermediate level using ordnance publications, circuit diagrams and other appropriate documentation. Performs casualty analysis, fault isolation and operates, tests, aligns, and repairs individual equipment, the system and the interface with other systems. Operates the radar consoles and associated equipment in support of the ship's weapons system in a tactical situation and during test and evaluation.

Source Rating: FC	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1143 AEGIS Fire Control System MK-99/Operational Test System MK-1 Technician

Performs preventive and corrective maintenance on assigned equipment at the organizational level using the Operational Readiness Test system MK-1 supported by appropriate technical documentation. Performs fault isolation, tests aligns, and repairs individual equipment. Operates system consoles and other equipment employed in support of the ship's combat system in a tactical situation and during test and evaluation.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: S-104-0211	CDP: 198J
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1144 AEGIS Combat System (BL 4) Computer System Maintenance Technician

Operates and performs organizational level maintenance on AEGIS Weapons system MK-7 computer complex (SPY-1B/D, C and D, and WCS) and associated peripheral equipment installed in AEGIS ship Combat systems.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: S-150-0274	CDP: 198G
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1145 Rolling Airframe Missile (RAM) MK-31 Guided Missile Weapons Systems Technician

Performs preventive and corrective maintenance on assigned equipment at the organizational level using appropriate documentation, tools and test equipment. This includes testing, casualty analysis, fault isolation, alignment, and repair of the individual equipment, the total system and the interface with other systems.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: A-113-0128	CDP: 575D
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1147 NATO Sea Sparrow Surface Missile System MK-57 MOD 2, 3 Technician

Performs preventive and corrective maintenance on MK-91 MOD 2 GMFCS and MK-29 MOD 1 GMLS at the organizational level, using ordnance publications, circuit diagrams, and other appropriate documentation. Performs casualty analysis and fault isolation. Operates, tests, aligns, and repairs individual equipment, the system and the interface with other systems. Operates the digital computer, the director, the TV systems, the radar console, the firing officer's console, the GMLS MK-29 MOD 1 and associated equipment in support of the ship's weapon system in tactical situation and during test evaluation.

Source Rating: FC	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-104-0204	CDP: 574T
Sequence Code: 2	RBTR: R-104-0204-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1149 Improved Point Defense Target Acquisition System MK-23 (IPD/TAS)

Performs preventive and corrective maintenance on assigned equipment at the organizational and/or intermediate level using appropriate documentation, tools and test equipment. Performs casualty analysis and fault isolation and operates, tests, aligns, and repairs individual equipment, the system and the interface with other systems.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: A-121-0471	CDP: 591D
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1156 NATO Seasparrow Surface Missle System (NSSMS) MK57 MOD's 4-9

Performs preventative and corrective maintenance on the rearchitectured NSSMS equipment at the organizational level, using ordnance publications, circuit diagrams, and other appropriate documentation. Performs casualty analysis and fault isolation. Operates, tests, aligns, and repairs individual equipment, the system and the interface with other systems.

Source Rating: FC	Billet Paygrades: E4-E9	Personnel Paygrade: E4-E9
Course: Pending	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC: 1147	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1157 Improved Self Defense Surface Missile System Technician

Directs and coordinates work performed by assigned technicians, including the operation of the Missile Weapons system and associated equipment in support of ship's weapons system in tactical situations and during test and evaluations. Organizes equipment technicians as a system team. Assists maintenance officer in scheduling equipment maintenance.

Source Rating: FC	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN: A-121-0553	CDP: 591G
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC: 1147 or 1149	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1158 TARTAR Missile Fire Control System (MK-74 MOD 14) Technician

Directs and coordinates work performed by subordinate technicians assigned to the CGN/SM-2 or the CGN/NTU AAW weapon system and associated equipment in support of ship's missile weapons system in tactical situations and during test and evaluation. Organizes equipment technicians as a system team, and assists the maintenance officer in scheduling equipment maintenance.

Source Rating: FC	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 1138 or 1117 and 1167	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1159 TERRIER Missile Fire Control System MK-76 MOD 10 Technician

Directs and coordinates work performed by assigned technicians, including the operation of the CG/NTU/TOP IAAW weapon system and associated equipment in support of ship's missile weapons system in tactical situations and during test and evaluation. Organizes equipment technicians as a system team and assists the maintenance officer in scheduling equipment maintenance.

Source Rating: FC	Billet Paygrades: E7-E9	Personnel Paygrades: E6-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 1138	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1160 TARTAR Fire Control Radar Technician (MFCS MK-74 MOD)

Performs preventive and corrective maintenance on assigned equipment at the organizational and/or intermediate level using ordnance publications, circuit diagrams and other appropriate documentation. Performs casualty analysis and fault isolation and operates, test, aligns, and repairs individual equipment, the system and the interface with other systems. Operates the missile fire control radar consoles and associated equipment in support of the ship's weapons system in a tactical situation and during test and evaluation.

Source Rating: FC	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1164 Ship Self Defense System (SSDS) MK1 Maintenance Technician

Performs documented organizational-level, preventive and corrective maintenance, under supervision, on SSDS MK1 equipment. The SSDS MK 1 Maintenance Technician will be responsible for alignment, adjustment, configuration, removal, and replacement to the lowest replaceable unit. The Maintenance Technician will perform diagnostic testing and system validation of the LAN and associated equipment as described in system or equipment technical documentation. The SSDS MK 1 Maintenance Technician prepares SSDS MK 1 for tactical, training, or testing operations and monitors system performance during operations. SSDS MK 1 equipment consists of the OK-644(V) Command Control Group, Single and Multi LAN Access Unit (LAU) Cabinets (SLCs and MLCs), Large Screen Projectors, Fiber Optic Data Distribution and ETHERNET interfaces, and associated File Servers and Application Processors. Personnel holding this NEC will direct or perform maintenance activities that may affect the operating system such as using UNIX (HP-UX) networking utilities and commands needed to support the maintenance philosophy.

Rating: FC	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E7
Course: Pending	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1165 Ship Self Defense System (SSDS) MK1 Systems Technician

The SSDS MK1 Systems Technician fulfils two roles in the SSDS MK1: (1) Functions as the Weapons Supervisor while on watch during Conditions I, IA, and III providing immediate reaction necessary to counter air threats to the ship. (2) Directs and supervises the maintenance activities of the SSDS MK Maintenance Technicians and other personnel performing maintenance on the SSDS MK1 system.

Source Rating: FC	Billet Paygrades: E6-E7	Personnel Paygrades: E5-E7
Course: Pending	CIN:	CDP:
Sequence Code: 3	RBTR	NR Ind: R
Component NEC: 0347, 1164	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1167 TARTAR Fire Control Radar (MFCS MK-74 MOD 14 W/RDP) Technician

Performs preventive and corrective maintenance on assigned equipment at the organizational and/or intermediate level using ordnance publications, circuit diagrams, and other appropriate documentation. Performs casualty analysis and fault isolation. Operates, tests, aligns, and repairs individual equipment, the system and the interface with other systems. Operates the missile fire control radar consoles and associated equipment in support of the ship's weapons systems in a tactical situation and during test and evaluation.

Source Rating: FC	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course:	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1169 HARPOON (AN/SWG-1A) Maintenance Technician
Performs preventive maintenance, as outlined in maintenance requirement cards (MRCs) and Technical Manuals. Performs corrective maintenance for proper operations by alignment, adjustment, removal, repair and replacement of equipment assemblies, sub-assemblies and components. Performs diagnostic tests and isolates casualties and faults to the lowest replaceable assembly including removal and replacement of interconnecting wiring harnesses.

Source Rating: FC	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: J-113-1000	CDP: 197W, 0280
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FIRE CONTROL TECHNICIAN

FT-1174 Combat Control System MK-1 Vertical Launch Subsystem Organizational/Intermediate Level Maintenance Technician
Performs organizational and/or intermediate level maintenance and operates all assigned equipment with the Combat Contrtol System MK-1 Vertical Launch subsystem on 688 class SSNs.

Source Rating: FT	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-130-0301	CDP: 108U
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC: 1175	Related NEC:	Open to Women: No
Primary Advisor: CNO N879	Technical Advisor: NAVSEA	ECM: N132D9

FT-1175 Combat Control System MK-1 MOD 1 Organizational/Intermediate Level Maintenance Technician
Performs organizational and/or intermediate level maintenance and operates all assigned equipment with the Combat Control System MK-1 MOD 1 on 688 and 637 class SSNs.

Source Rating: FT	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-113-0189	CDP: 2105
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

FT-1179 AN/BSY-1(XN-1)(V) Organizational/Intermediate Level Maintenance Technician
Performs organizational and/or intermediate level maintenance and operates all assigned equipment with the Combat Control/Acoustic set AN/BSY-1 Combat Control on 688 class SSNs.

Source Rating: FT	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-113-0188	CDP: 2104
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

FT-1194 AN/BSY-2(V) Advanced Maintainer
Performs organizational and/or intermediate level maintenance and operates all assigned equipment with the AN/BSY-2 Combat Control System and multiple system interfaces using advanced practices to locate and correct malfunctions that are beyond system diagnostic routines.

Source Rating: FT	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-113-0171	CDP: 478C
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No

Primary Advisor: CNO N779 Technical Advisor: NAVSEA ECM: N132D9

FT-1196 Underwater Fire Control System MK-113 MOD 9 Technician
Performs organizational and/or intermediate level maintenance on assigned equipment. Conducts trouble analysis and performs authorized checks using standard test equipment.

Source Rating: FT	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

MINEMAN

MN-1202 CAPTOR MK-60 MOD 0 Weapons System Technician
Directs and/or performs CAPTOR peculiar testing and maintenance at the intermediate level facility. Assembles, tests, handles, issues, and delivers CAPTOR weapons to planting agents. Duties and tasks involve both general purpose and unique test equipment, including periodic and preventive maintenance of intermediate and organizational level support and test equipment.

Source Rating: MN	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-647-0036	CDP: 418Z
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N859	Technical Advisor: NAVSEA	ECM: N132D5

MN-1204 Submarine Launched Mobile Mine Technician
Assembles, maintains, tests and stores Submarine Launched Mobile Mine (SLMM) sub-assemblies and components for delivery as a complete unit to the organizational level.

Source Rating: MN	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-647-2755	CDP: 293M
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N859	Technical Advisor: NAVSEA	ECM: N132D5

MN-1205 Underwater Mine Test Set Maintenance Technician
Performs organizational and intermediate level operation checks, preventive maintenance, fault isolation and periodic calibration of Underwater Mine Test Set and ancillary equipment.

Source Rating: MN	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6
Course: Course Mandatory	CIN: A-647-2754	CDP: 293L
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N859	Technical Advisor: NAVSEA	ECM: N132D5

MN-1210 Versatile Exercise Mine System (VEMS) Operator
Performs normal operational procedures on the Versatile Exercise Mine (VEM) MK 74 Mod 1, Exercise Support System (ESS), Overside Body Handling System (OSBHS) MK 9 with Overside Body (OSB) MK5.

Source Rating: MN	Billet Paygrades: E3-E5	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN: A-647-2756	CDP: 293T
Sequence Code: 5	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N859	Technical Advisor: NAVSEA	ECM: N132D5

MN-1211 Versatile Exercise Mine System (VEMS) Technician
Performs normal operational, preventive and corrective maintenance procedures to include documented fault isolation and repair procedures on the Versatile Exercise Mine (VEM) MK 74 Mod 1, Exercise Support System (ESS), Overside Body Handling System (OSBHS) MK 9 with Overside Body (OSB) MK5 and Depot Automatic Test Set (DATE).

Source Rating: MN	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E6
Course: Course Mandatory	CIN: A-647-2756	CDP: 293T
Sequence Code: 4	RBTR:	NR Ind: A

Component NEC: 1210 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N859 | Technical Advisor: NAVSEA | ECM: N132D5

MN-1212 AN/SQQ-32(V)3 MINEHUNTING SONAR SET MAINTENANCE TECHNICIAN
Detects, diagnoses and isolates equipment failures using computer aided Preventive Maintenance/Fault Location (PM/FL) software, Fault Logic Diagrams (FLD), schematics, wiring and logic diagrams. Corrects faults by removal and replacement of failed modules and components. Prepares system documentation such as OPNAV 4790/2K, logs and maintenance schedules.

Rating: MN ET STG | Billet Paygrades: E4-E7 | Personnel Paygrades: E3-E8
Course: Course Pending | CIN: | CDP:
Sequence Code: 3 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: No
Primary Advisor: CNO N859 | Technical Advisor: NAVSEA | ECM: N132D5

MN-1213 AN/SQQ-32(V)3 MINEHUNTING SONAR SET OPERATOR (MSS)
Operates the MSS during Minehunting/Minesweeping evolutions. Performs light-off, Operation, and Shut down of the MSS. Recognizes abnormal panel and PM/FL indications. Identifies, tracks, and classifies possible mine like objects

Rating: MN ET STG | Billet Paygrades: E4-E7 | Personnel Paygrades: E3-E8
Course: Course Pending | CIN: | CDP:
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: No
Primary Advisor: CNO N859 | Technical Advisor: NAVSEA | ECM: N132D5

FIRE CONTROL TECHNICIAN

FT-1312 CCS MK-2 MOD 0 Maintenance Technician
Performs organizational and/or intermediate level maintenance and operates all assigned equipment with Combat Control System (CCS) MK-2 MOD 0, including the installed submarine Central Computer complex and ancillary devises. Conducts preventive maintenance and troubleshooting analysis. Isolates and repairs system faults and failures.

Source Rating: FT | Billet Paygrades: E4-E9 | Personnel Paygrades: E3-E9
Course: Course Mandatory | CIN: A-113-0190 | CDP: 2108
Sequence Code: 5 | RBTR: | NR Ind: N
Component NEC: | Related NEC: | Open to Women: No
Primary Advisor: CNO N779 | Technical Advisor: NAVSEA | ECM: N132D9

FT-1313 CCS MK-2 MOD 1 Maintenance Technician
Performs organizational and/or intermediate level maintenance and operates all assigned equipment with the Combat Control System (CCS) MK-2 MOD 1 (Vertical Launch Subsystem) equipment, including the installed submarine Central Computer complex and ancillary devises. Conducts preventive maintenance and troubleshooting analysis. Isolates and repairs system faults and failures.

Source Rating: FT | Billet Paygrades: E4-E9 | Personnel Paygrades: E3-E9
Course: Course Mandatory | CIN: A-130-0301 | CDP: 108U
Sequence Code: 4 | RBTR: | NR Ind: N
Component NEC: 1312 | Related NEC: | Open to Women: No
Primary Advisor: CNO N779 | Technical Advisor: NAVSEA | ECM: N132D9

FT-1314 CCS MK2 BLK 1 (all MODs) Maintenance Technician
Performs organizational and/or intermediate level maintenance and operates all assigned equipment with the Combat Control System(CCS) MK2 Block 1 MODs 0/1/2/3 (SSN 688, 688I, SSBN 726), including the installed Submarine Central Computer complex and ancillary devices. Conducts preventive maintenance and troubleshooting analysis. Isolates and repairs system faults and failures.

Source Rating: FT | Billet Paygrades: E4-E8 | Personnel Paygrades: E4-E8
Course: Course Pending | CIN: A-113-0192 | CDP: 2115
Sequence Code: 4 | RBTR: | NR Ind: N
Component NEC: 1174 or 1175 or1179 or 1194 or 1312 or 1313 or 1315 or 1320 or 1327 | Related NEC: | Open to Women: No
Primary Advisor: N879 | Technical Advisor: NAVSEA | ECM: N132D9

FT-1315 CCS MK-2 MOD 3 Maintenance Technician

Performs organizational and/or intermediate level maintenance and operates all assigned equipment with the Combat Control System (CCS) MK-2 MOD 3 TRIDENT Fire Control Subsystem/Data Processing Subsystem. Conducts preventive maintenance and troubleshooting analysis. Isolates and repairs system faults and failures.

Source Rating: FT	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-113-0191	CDP: 2112
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

FT-1320 TRIDENT MK-118 Combat Control System Maintenance Technician

Performs organizational and/or intermediate level maintenance and operates all assigned equipment with the MK-118 TRIDENT Fire Control Subsystem/Data Processing Subsystem. Conducts preventive maintenance and troubleshooting analysis. Isolates and repairs system faults and failures.

Source Rating: FT	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-113-0187	CDP: 209Y
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

FC-1321 Combat Systems Senior Enlisted

Performs duties as the senior enlisted principal advisor to the Combat Systems and Operations Officer as well as the Tactical Action Officer (TAO) during tactical situations. Provides tactical, technical, administrative and training expertise in all warfare areas.

Source Rating: FC OS EW GM STG ET MN	Billet Paygrades: E7-E9	Personnel Paygrades: E7-E9
Course: Course Mandatory	CIN: J-500-2104	CDP: 382C
Sequence Code: 2	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1322 AEGIS Display Technician

Operates and performs organizational level maintenance on the AEGIS Display Suite of equipment for DDG 59-78 including the use of special tools and test equipment, operational test, alignment and adjustments, recognition and interpretation of malfunctions, documented fault isolation procedures, techniques to employ when procedures fail to isolate the malfunction, and disassembly and reassembly.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: S-150-0275	CDP: 960W
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women : Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1323 AGFCS MK 86 MOD 8/10 Systems Technician

Performs preventive and corrective maintenance at the organizational level on the MK 86 Gun Fire Control System to include the AN/SPQ-9A Surface Search Radar and AN/SPG-60 Air Track Radar using ordnance publications, circuit diagrams and other appropriate documentation. Performs casualty analysis and fault isolation, and operates, tests aligns and repairs individual equipment, sub-systems and interfaces. Operates the consoles and associated equipment as applicable in a tactical situation and during test and evaluation.

Source Rating: FC	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC: FC-1130	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1324 AGFCS MK 86 MOD 9 Systems Technician

Performs preventive and corrective maintenance at the organizational level on the MK 86 Gun Fire Control System configuration found on Ticonderoga class CG's using ordnance publications, circuit diagrams and other appropriate documentation. Performs casualty analysis and fault isolation, and operates, tests aligns and repairs individual equipment, sub-systems and interfaces. Operates the consoles and associated equipment as applicable in a tactical situation and during test and evaluation.

Source Rating: FC	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN:	CDP:

Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC: 1130	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1325 Cooperative Engagement Capability (CEC) AN/USG-2 Cooperative Engagement Transmission Processing Set (CETPS) Technician
The CEC AN/USG-2 CETPS Technician will perform preventative and corrective maintenance for the alignment, adjustment, removal and replacement of Lowest Replaceable Units. Perform casualty analysis utilizing computer diagnostic testing to fault isolate and ensure restoration of the AN/USG-2 CETPS.

Source Rating: FC	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E6
Course: Course Pending	CIN: S-150-1001	CDP: 3013, 5739
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1326 AN/SPQ-9B Radar Technician
Performs preventive and corrective maintenance at the organizational level on the AN/SPQ-9B ASMD radar using ordnance publications, circuit diagrams and other appropriate documentation. Performs casualty analysis and fault isolation, and operates, tests aligns and repairs individual equipment, sub-systems and interfaces. Operates the consoles and associated equipment as applicable in a tactical situation and during test and evaluation.

Source Rating: FC	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E6
Course: Course Mandatory	CIN: A-113-0162	CDP: 316K,474L
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FT-1327 Fire Control Technician Basic Maintainer
Possesses knowledge and skills required to operate and perform basic preventive maintenance on Submarine Fire Control Systems. Troubleshoot and perform basic preventive and corrective maintenance on submarine installed Local Area Networks (LAN) and associated peripheral equipment.

Source Rating: FT	Billet Paygrades: E3-E5	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN: A-113-0179	CDP: 1412
Sequence Code: 6	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

FT-1328 Master Fire Control Technician
Possesses knowledge and skills required to perform advanced tactics and employment of Weapons Control Operation, Over-The-Horizon Targeting/Retargeting Operations, Combat Control System Interfaces, Tactical Plot Evaluation, LAN Administration and Submarine Advanced Tomahawk Control System Operation.

Source Rating: FT	Billet Paygrades: E6-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-113-0002	CDP: 313S, 313R, 313P
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 1174 or 1175 or 1179 or 1194 or 1312 or 1313 or 1315 or 1320		
	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

FC-1332 Over The Horizon-Targeting (OTH-T) Supervisor
OTH-T Supervisor ensures the integrity and functional operability of Tomahawk and associated interface systems for effective missile employment.

Source Rating: FC	Billet Paygrades: E7-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 1110 or 1333 or 1334	Related NEC: 0332	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

Notes:
1. This NEC may be earned by completion of four formal training courses:

   a. Tomahawk Watch Officers Course CIN: J-121-0524
   b. NTCS-A Managers Course CIN: J-2G-2302

c. OTH-T C4I Course CIN: K-2G-0127
d. C4I Systems engineering Course CIN: K-121-0181

Personnel who complete the four formal courses listed will be awarded NEC FC-1332. Submit NAVPERS 1221/1 to EPMAC Code 52.

2. Per guidance set forth in NTP S-30-9411, upon assignment to staff duty, (group and numbered fleets) NEC FC-1332 qualified personnel will attend two additional courses:

a. TLAM Tactical Commanders Course CIN: K-2G-3005
b. MDS Staff Employment Course CIN: J-2F-2100

Prospective Staff Tomahawk Employment Assistants s hould utilize a "Functional Area Code (FAC) in the manning requisition, requiring this additional training.

FC-1333 Advanced TOMAHAWK Weapon Control System (ATWCS) AN/SWG-4 Operator and Maintenance Technician
Operates the TOMAHAWK Workstation Consoles and Operator Interactive Display Terminals in the Advanced TOMAHAWK Weapon Control System AN/SWG-4 to control and monitor the targeting, pre-setting and launching of TOMAHAWK missiles. Conducts periodic Over The Horizon-Targeting data base updates. Stores and retrieves selected data and processes incoming operational data to provide a comprehensive surface display of the operation area of interest. Performs preventive and corrective maintenance for the alignment, adjustment, removal, replacement of Lowest Replaceable Units to include computer diagnostic tests, fault isolation of casualties, and testing to ensure restoration of equipment availability to support mission requirements.

Source Rating: FC	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: A-121-1333	CDP: 3030
	A-121-0001	1379
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC: 0332 and 1110	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1334 ATWCS Launch Control Group Replacement (LCGR) Operation and Maintenance Technician
Operates the TOMAHAWK workstation consoles in the Advanced TOMAHAWK Weapon Control System (ATWCS) AN/SWG-4 (V) to receive and process Mission Data Updates, Launch Sequencing Plans, Tasking Messages and Over the Horizon-Targeting Data Base related messages. Prepares Engagement Plans for overwater routes to fly missiles to preplanned land fall waypoints. Performs missile selection, monitors missile alignment and launch system status. Performs equipment monitoring, reconfiguration when casualty is experienced, fault isolation and repair of equipment utilizing system diagnostic software.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: A-121-1334	CDP: 341Y
	A-121-1335	3422
	A-121-1336	3423
Sequence Code: 5	RBTR:	NR Ind: N
Component NEC:	Related NEC: 0332, 1110, 1332, 1333	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1335 UYQ-70 Computer/Display LAN Technician
Performs preventive and corrective maintenance for the UYQ-70 Local Area Network(LAN), its interface and associated equipment. The technician will be responsible for alignment, adjustment, configuration, removal, replacement of the lowest replaceable unit to include diagnostic testing and system validation of the UYQ-70 LAN and all associated equipment. This equipment will include the ADS and CND UYQ-70 Consoles, X-STAB monitors, Bridge Routers to interface other LANs, Fiber Optic Data Distribution and ETHERNET interfaces and their associated File Servers and Application Processors, HP-UX and HP-RT. This will include the Unix networking utilities and commands needed to support the maintenance philosophy described above.

Source Rating: FC	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Pending	CIN: S-150-0277	CDP: 313V
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1336 AEGIS Weapons Systems Technician TRACK 3
Will direct, coordinate and operate the AEGIS Weapons System including:
SPY-1, CND, WCS, ADS, FCS, VLS, SM2, ORTS, ACTS and AEGIS Combat Systems (ACS) interfaces via the AEGIS Weapons System Subnet. Provide supervision and guidance for organizational maintenance through the element level technicians.

Rating: FC | Billet Paygrades: E6-E9 | Personnel Paygrades: E6-E9
Course: Pending | CIN: | CDP:
Sequence Code: 3 | RBTR: | NR Ind: N
Component NEC:1105 or 1106 or 1107 or 1108 or 1115 or 1118 or 1119 or 1143 or 1144 or 1335 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N769 | Technical Advisor: AEGIS TRAREDCEN | ECM: N132D5

FC-1337 AN/SPY-1D (V) Radar Technician
The AN/SPY-1D(V) technician will operate and maintain the AEGIS Baseline 7 Phase 1 Commercial-Off-the Shelf (COTS) based radar system.

Source Rating: FC | Billet Paygrades: E4-E7 | Personnel Paygrades: E4-E9
Course: Pending | CIN: | CDP:
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N769 | Technical Advisor: AEGIS TRAREDCEN | ECM: N132D5

ELECTRONICS TECHNICIAN

ET-1412 Special Fixed Communications Maintenance Technician
Tests, evaluates and performs organizational and/or intermediate level maintenance on Circuit Mayflower and Clarinet Marlin special shore HF communications equipment.

Source Rating: ET | Billet Paygrades: E4-E7 | Personnel Paygrades: E3-E7
Course: Course Mandatory | CIN: | CDP:
Sequence Code: 3 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Women Ind: Yes
Primary Advisor: CNO N61 | Technical Advisor: NAVSEA, NCTC, SPAWAR | ECM: N132D5

ET-1413 Meteorologist Equipment Maintenance Technician
Aligns and performs organizational level maintenance on weather radar, weather satellite receiving system, facsimile recorders, automatic weather station, runway visibility equipment, shipboard sounding equipment and rawinsonde system.

Source Rating: ET | Billet Paygrades: E4-E7 | Personnel Paygrades: E3-E7
Course: Course Mandatory | CIN: C-198-2010 | CDP: 390M
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N61 | Technical Advisor: NAVSEA, NCTC, SPAWAR | ECM: N132D5

ET-1415 Combined Shore Communications Maintenance Technician
Diagnosis, isolates and corrects malfunctions within an operating high frequency/microwave communications circuit at a shore-based communications site. Maintains and performs organizational level maintenance on shore communication equipment consisting of the R-2368A/URR, AN/FRT-96/96A, AN/FRC-170(V) series radios, AN/FCC-66/67 tone telegraph terminal system, AN/FCC-98(V)/99(V)/100(V) multiplexers, timing, synchronization, and digital patch panels.

Source Rating: ET | Billet Paygrades: E4-E7 | Personnel Paygrades: E3-E7
Course: Course Mandatory | CIN: A-101-0227 | CDP: 295P
Sequence Code: 5 | RBTR: R-101-0069-01 | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N61 | Technical Advisor: NAVSEA, NCTC, SPAWAR | ECM: N132D5

ET-1416 SNAP II(AN/UYK-62(V)) Maintenance Technician
Performs organizational level maintenance on the AN/UYK-62(V) shipboard Non-Tactical ADP Program II (SNAP II) equipment consisting of the CP-1436(P)/UYK-62(V) Computer, RD-510 Disk Memory Unit, RD-513 Paper Tape Reader/Punch, RD-512 Magnetic Tape Unit, RD-511 Memory Disk Unit, OW-981 Data Terminal Group, RP-322 Card Reader, RP-301 Line Printer, RP-303 Letter Quality Printer, RP-302 Display Printer, and the CN-15XX Electrical Compensator. The technician using on-line diagnostic routines and built-in tests (BIT), will isolate faults to the Lowest Replaceable Unit (LRU) with on-board spares.

Source Rating: ET FC IC | Billet Paygrades: E4-E7 | Personnel Paygrades: E3-E7

Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: SPAWAR	ECM: N132D5

ET-1419 Electromagnetic Compatibility Technician

Performs tests, measurements and analysis of EMI-related signals using antenna and transmission line test sets, arc detector test sets, radiation hazard monitoring instrumentation, and inter modulation interference (IMI) test sets.

Source Rating: ET AT FC EW	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: A-101-0250	CDP: 187D
Sequence Code: 3	RBTR: R-101-0258-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N61	Technical Advisor: NAVSEA, NCTC, SPAWAR	ECM: N132D5

ET-1420 Surface HF Communications System Maintenance Technician

Maintains and monitors the operational readiness of a surface ship's exterior communications suite on a "system level". Performs preventive and corrective maintenance on the surface ship's exterior communications system. Possesses in-depth knowledge of and troubleshooting experience with HF communications equipment, including the AN/URT-23 series, the AN/URA-38, UN/UCC-1, R-1051, R2368A/URR LF/MF/HF receiver, CV-2460, AN/URA-17 and their interfaces.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-101-0258	CDP: 452X
Sequence Code: 4	RBTR: R-101-0258-01, R-101-0258-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA, NCTC, SPAWAR	ECM: N132D5

ET-1421 Submarine Electromagnetic Compatibility Technician

Performs electromagnetic interference and compatibility surveys using general purpose tests equipment while assigned to Submarine Tenders, Submarine Intermediate Maintenance Activities (IMA), and Mobile Technical Units (MOTU).

Source Rating: ET CTM IT EM STS FT		
	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: A-101-0280	CDP: 365W
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

ET-1424 Communications Equipment (SRQ-4) Technician

Performs maintenance on electrical, mechanical, digital and radio frequency (RF) components of the SRQ-4. Diagnosis faults, removes and replaces parts to the lowest replaceable unit (LRU).

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-101-0209	CDP: 073E, 452P
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA, NCTC, SPAWAR	ECM: N132D5

ET-1425 Communications Equipment (WSC-3/UHF DAMA) Technician

Performs organizational level maintenance on the WSC-3 (V) SATCOM and LOS transceivers, OE-82 antenna, SRA-33 multicoupler, CV-9351/WSC control indicator, and WSC-3 equipment rack, OK-454(V)/WSC single DAMA, OK-455(V)/USC dual DAMA and OS-9123/SRC UHF multicoupler.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-101-0138	CDP: 4323, 452L
Sequence Code: 4	RBTR: R-101-0138-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N61	Technical Advisor: NAVSEA, NCTC, SPAWAR	ECM: N132D5

ET-1427 Communications Equipment (Tactical Data Systems) Technician
Performs organizational maintenance on Tactical Data Systems Radio Frequency Transmissions system, including SRC-23 transceiver with SRA-34 coupler, SRC-16, SRC-31, and URC-93 transceivers and TSEC/KG-40 cryptographic equipment.

Source Rating: ET	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA, NCTC, SPAWAR	ECM: N132D5

ET-1428 Small Combatant Communications Electronic Subsystem Technician
Performs organizational level maintenance on navigational electronics systems installed on small combatants. Equipment includes: NAVMACS(V)3 system, WSC-3, UCC-1, VRC-46, AN/URT-23, AN/URA-38 antenna coupler and R2368A/URR LF/MF/HF receivers. NAVMACS (V)3 system includes training on all components of NAVMACS (V)2 system.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-101-0217	CDP: 452T
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC: 1420, 1425, 1452	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA, NCTC, SPAWAR	ECM: N132D5

ET-1429 Flight Deck Communications Systems (FDCS) Maintenance Technician
Operates and performs organizational level maintenance on FDCS (AN/SRC-47(V)) equipment. FDCS includes the AN/SRC-48(V) base station and various support equipment.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-101-0210	CDP: 452R
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N61	Technical Advisor: NAVSEA, SPAWAR	ECM: N132D5

ET-1430 AN/USC-38 (V)2, 3 Maintenance Technician
Performs start-up, initialization, shutdown, emergency procedures, equipment checkouts, and alignment procedures on the AN/USC-38(V). Also, performs preventive and corrective maintenance, calibration and assembly.

Source Rating: ET	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-101-0269	CDP: 213A, 390D
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N6P	Technical Advisor: NAVSEA, SPAWAR	ECM: N132D5

ET-1447 Communications Security Devices (T/SEC/KW-46 T/R) Technician
Test, calibrate, make casualty analysis of and perform organizational and/or intermediate level maintenance on assigned cryptographic security devices.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-160-0100	CDP: 399N
Sequence Code: 5	RBTR: R-160-0100-01	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20, CNO N6	Technical Advisor: NAVSEA, SECGRU, NCTC, SPAWAR	ECM: N132D5

ET-1450 NAVMACS(V) 5 Shipboard Maintenance Technician
Performs organizational level maintenance on the AN/SYQ(V)5 Naval Modular Automated Communications Systems (NAVMACS) equipment consisting of AN/USH-26 Cartridge Magnetic Tape Unit, AN/UYK-20XA(V) General Purpose Digital Computer/Processor, TSEC/KG-36-4 Key Generator, ON-143(V)4 Interconnecting Group, TT-624(V)5/UG Medium Speed Line Printer, RD-397A(V) 2 or RD-397B(V)2 High Speed Perforated Tape Reader/Punch, AN/UCG-20 Control Teletype, TT-187 Transmitter/Distributor, TT-192 Paper Tape Punch, RD-433 Mass Memory Disc, and the CV-3022/UG Two level Converter Patch Panel.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN:	CDP:

Sequence Code: 4
Component NEC: 1452
Primary Advisor: CNO N6

RBTR:
Related NEC:
Technical Advisor: NAVSEA, SPAWAR

NR Ind: R
Open to Women: Yes
ECM: N132D5

ET-1452 NAVMACS(V) 3 Shipboard Maintenance Technician

Performs organizational level maintenance on SYQ-7 (V)3 (NAVMACS(V) 3) communication systems control central equipment consisting of UYK-20 computer/processor, TSEC/KG-36 key generator, TT-624 line printer, RD-397/U paper tape reader/punch, ON-143 V/USQ interconnecting group, USH-26 Mag tape unit, USQ-69 data terminal set, and ancillary equipment. NAVMACS (V)3 system includes all components of NAVMACS (V)2 system.

Source Rating: ET
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N61

Billet Paygrades: E4-E7
CIN: A-101-0214
RBTR:
Related NEC:
Technical Advisor: NAVSEA, SPAWAR

Personnel Paygrades: E3-E7
CDP: 068L, 452S
NR Ind: R
Open to Women: Yes
ECM: N132D5

ET-1454 DD-963 Communications Systems Technician

Maintains DD-963 communications systems equipment.

Source Rating: ET
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N769

Billet Paygrades: E4-E7
CIN: A-101-0096
RBTR:
Related NEC:
Technical Advisor: NAVSEA, NCTC, SPAWAR

Personnel Paygrades: E4-E7
CDP: 452K
NR Ind: R
Open to Women: Yes
ECM: N132D5

ET-1456 FLTSATCOM (CUDIXS/DAMA NAVCOMMSTA) Maintenance Technician

Performs preventive and corrective maintenance for the UHF SATCO

Source Rating: ET
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N63

Billet Paygrades: E4-E7
CIN: A-101-0082
RBTR:
Related NEC:
Technical Advisor: NAVSEA, NCTC, SPAWAR

Personnel Paygrades: E3-E7
CDP: 452J
NR Ind: R
Open to Women: Yes
ECM: N132D5

ET-1458 VERDIN/ISABPS Communications Systems Technician

Performs organizational level maintenance on the URC-62 multiplex communication system (VERDIN) and Integrated Submarine Automatic Broadcast Processing System (ISABPS) equipment including UYK-20 digital data processing set, UYK-22 cryptographic auxiliary units, USH-23 magnetic disk storage units, Model 40 video display teletype units, CAS-1 data synchronizers, red/black isolation units, tuning pattern generators, Fredericks Model 1300 and 1350 Baud Rate converter, URT-30 and WRR-7 digital data communications systems, and 0-1695 cesium beam frequency standards.

Source Rating: ET
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N61

Billet Paygrades: E4-E7
CIN: A-101-0140
RBTR:
Related NEC:
Technical Advisor: NAVSEA, NCTC, SPAWAR

Personnel Paygrades: E3-E7
CDP: 9929
NR Ind: R
Open to Women: Yes
ECM: N132D5

ET-1460 Communications Security (COMSEC) Maintenance Technician

Performs organizational level maintenance on KY-57/58, AN/WSC-43 and KG-84A/C including inspections, servicing, removing and replacing faulty assemblies or chassis mounted components. Diagnosis faults by using prescribed procedures, Built-In-Test Equipment (BITs), Special and General Purpose Electronic Test Equipment (SPETE/GPETE) as required.

Source Rating: ET CTM AT
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N769

Billet Paygrades: E4-E7
CIN: A-160-0116
RBTR:
Related NEC:
Technical Advisor: NAVSEA, NCTC, SPAWAR

Personnel Paygrades: E3-E7
CDP: 213J, 453W
NR Ind: A
Open to Women: Yes
ECM: N132D5

ET -1465 Special maintenance (AN/GSC-52 (V), GSC-39, FSC-78/79 SHF Satellite Terminal) Technician.

Performs organizational maintenance on DSCS AN/GSC-52 (V) State-of-the-Art Medium Terminal (SAMT) satellite communications equipment, DSCS GSC-39, FSC-78, or FLTSATCOM FSC-79 satellite ground terminal equipment, and USC-28 (V) satellite communication set.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-101-0729	CDP: 181N
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC: None	Open to Women: Yes
Primary Advisor: CNO N63	Technical Advisor: NAVSEA, NCTC, SPAWAR	ECM: N132D5

ET-1468 Special Maintenance (SHF SATCOM System) Technician
Performs preventive and corrective maintenance on SHF SATCOM Systems consisting of the OE-279(V)/WSC-6(V)3, OZ-43(V)/WSC-6, OM-55(V)/USC, KGV-9/TSEC, and KG-84/TSEC, and to include QUICKSAT and AN/WSC-6(V)4.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-101-0149	CDP: 4260
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N63	Technical Advisor: NAVSEA, NCTC, SPAWAR	ECM: N132D5

ET-1471 URN-25 Tactical Air Navigation Technician
Perform organizational and/or intermediate level maintenance on assigned navigation equipment.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-102-0239	CDP: 4256, 452Z
Sequence Code: 5	RBTR: R-102-0239-01 R-102-0239-02 R-102-0239-03	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: SPAWAR	ECM: N132D5

ET-1473 Tactical Air Navigation (URN-20) Technician
Perform organizational and/or intermediate level maintenance on assigned navigation equipment.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 5	RBTR: R-102-0034-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR, NAVSEA	ECM: N132D5

ET-1479 Ships Navigation and Aircraft Inertial Alignment System (CVNS/SNAIS) Technician
Operates and maintains CVNS/SNAIS, which includes the AN/WSN-1(V)2 Dual Miniaturized Inertial Navigation System (DMINS), AN/UYK-44 MRC data processor set, AN/USH-26 recorder/reproducer set, CV2953A signal data convertor (SDC), MK-70 MOD 6 switchboard, model 4580 no-break power supply set, and AN/SRC-40 digital RF transmitter. Operates and performs preventive maintenance on the OA-7984 and AN/USQ-69 computer peripherals, and the AN/SSW-1D digital data communications control set.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-193-0374	CDP: 591A
Sequence Code: 4	RBTR: R-102-0267-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVSEA	ECM: N132D5

ET-1480 AN/FAC-6(V) Intersite System Maintenance Technician
Performs organizational level maintenance on AN/FAC-6(V) intersite system equipment. Perform basic fiber optic cable maintenance plus specialized instruction for each AN/FAC-6(V).

Source Rating: ET	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: C-103-2062	CDP: 707J
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVSEA	ECM: N132D5

ET-1486 Single Audio System (SAS)
Performs organizational level maintenance on the SAS Communications system consisting of the SA-2112(V) STQ SWM (ASAS only) and C-10276/SSC Control Indicator consisting of the following sub systems: TA 970, 980 (MSAS only),
C-10315/V (MSAS only) SA-1711A/VR, J-3562/WR, SA-2254/VR, J-3584/U, C-10316/F, C-10276/SSC (ASAS only). Performs limited maintenance on the TSEC/KY-57/58, TSEC/KG-84 and the AN/WSC-43 equipment.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-160-0125	CDP: 390K, 453X
Sequence Code: 4	RBTR: R-160-0125-01	NR Ind: R
Component NEC: 1460	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20, CNO N61	Technical Advisor: SPAWAR, NCTC	ECM: N132D5

ET-1491 FFG-7 Class Navigation Electronics Subsystem Technician
Performs organizational level maintenance on navigation electronics subsystems installed on FFG-7 Class ships. Performs repairs, replacement, and maintenance on the SPS-55 radar, radar repeaters, URN-25 TACAN, SRN-12 OMEGA, and SRN-19 Radio Navigation equipment.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-102-0295	CDP: 066J, 453B
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 1471 and 1504	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA, SPAWAR	ECM: N132D5

ET-1493 Tactical Support Communications (TSCOMM) Replacement Program Maintenance Technician
Performs organizational level maintenance on the ASCOMM system and subsystem equipment, including line of sight and satellite UHF transceiver, HF receiver, modems, computers, high speed printers, voice terminals, Chirpcom, Data Link 11, and ASW Center Command and Control system (ASWCCCS). Performs limited maintenance on KG-40, KG-48 family, KY-57/58, KY-65/75 and ANDVT COMSEC equipment. Provides systems continuity through total in/out signal training, and performs system tests to verify proper system operations.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: J-101-0817	CDP: 702X
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NCTC, SPAWAR	ECM: N132D5

ET-1494 LHD Class Radio Communications System Maintenance Technician
Performs planned and corrective organizational level maintenance on the AN/URC-109(V) VLF-HF Radio Communications Group, the AN/SSQ-33(V) Surface Ship Exterior Communications Control System, and associated remote controlled equipment. Isolates faulty modules to the Lowest Replaceable Unit (LRU) for forwarding to the depot for repair. Performs system diagnostic tests to isolate system faults and verify satisfactory operation.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-101-0234	CDP: 577P
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: SPAWAR	ECM: N132D5

ET-1495 AN/SYQ-13 NAV/C2 Maintainer
Performs organizational level maintenance on the AN/SYQ-13 Navigation, Command and Control (NAV/C2) equipment to include the following tasks: system start up, operation an shutdown, safety and emergency procedures, use of tools, equipment checkouts, alignment procedures, inspection, maintenance calibration, lubrication, assembly, disassembly and adjustment; identifies failures using test equipment and troubleshoots equipment using maintenance documentation, equipment manuals and built-in test equipment. Repairs NAV/C2 system components, replaces parts and completes all planned maintenance requirements to restore system to operational status.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-130-2571	CDP: 580S
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

ET-14BF-14HB ELECTRONIC SUPPORT MEASURES (ESM) TECHNICIANS

ET-14BF Projects SSN 637 ESM Technician

Operates and performs preventive and organizational level maintenance on the following equipment: AN/WLR-1H(V), AN/WLR-1H(V)6 and Type 18 Periscope.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC: 14BG, 14EB, 14EP, 14HB, 14ZA	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA, SECGRU, SPAWAR, NCTC	ECM: N132D9

NOTES:
1. NEC may be assigned to personnel who have completed the following courses: CIN: A-233-0061, CDP: 1331 and CIN: A-102-0157, CDP: 544Q.
2. Requires TS clearance based on SBI for SCI.

ET-14BG SSN 768-773 ESM Technician
Operates and performs preventive and organizational level maintenance on the following equipment: AN/WLR-1H(V)6, Type 18 and 8 B/J Periscopes, and AN/BLD-1.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC: 14BF, 14EP, 14HB, 14ZA	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

NOTE: Requires TS clearance based on SBI-SCI

ET- 14CM SSN Radio Frequency (RF) Equipment Technician

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-101-0291	CDP: 305Y
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14CT Submarine Conversion Technician
Performs organizational level maintenance on various selected forward electronic equipment.

Source Rating: ET	Billet Paygrades: E4-E8	Personnel Paygrades: E4-E8
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14EB SSN 688 Class ESM Technician
Operates and performs organizational level maintenance on the following SSN 688 class submarine equipment/systems: AN/WLR-8(V)2 and Type 18 periscope.

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14EM SSN ESM Equipment Maintenance Technician

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-233-0117	CDP: 2087
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14EP SSN 719-767 ESM Technician

Operates and performs preventive and organizational level maintenance on the following equipment: AN/WLR-8(V)2, Type 18 ADF Periscope, and AN/BLD-1.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC: 14BF, 14HB, 14ZA	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

NOTE: Requires TS clearance based on SBI for SCI.

ET-14ET ESM Technician (All Classes)

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14FA-14JA TRIDENT SUBMARINE ESM TACNAV PERISCOPE AND RADAR TECHNICIANS

ET-14FA TRIDENT Submarine Electronics Technician Command and Control System (CCS)
Operates and performs preventive and organizational level maintenance on the following TRIDENT submarine equipment/systems: AN/UPX-28, AN/WLR-8(V)2, AN/BPS-15(V), and Type 8/15L periscope.

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14HB SSN 637 Class ESM Technician
Operates and performs organizational level maintenance on the following SSN 637 class submarine equipment/systems: AN/UYK-20, AN/WLQ-4 "E" suite, and Type 18 periscope.

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14HH SSN 21 Class ESM Technician
Operates and performs preventive and organizational maintenance on the following SSN 21 Class submarine electronic equipment/systems: AN/BLD-1 Direction Finding System, Type 18 ADF Periscope, Type 8J MOD 3 Periscope, AN/WLQ-4(V)1 ESM Suite, and Type 18H MOD 1 Periscope.

Source Rating: ET	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Pending	CIN: A-233-0110	CDP: 1061
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14IC FORMER IC (SS)

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14JA TRIDENT ESM Technician
Operates and performs preventive and organizational level maintenance on the following equipment: AN/WLR-8(V)5, Type 8/15L Periscope, AN/BPS-16 Radar and AN/UPX-28 IFF.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC: 14FA	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

NOTE: Requires TS clearance based on SBI for SCI.

ET-14NM NAVIGATION EQUIPMENT MAINTENANCE TECHNICIAN

Source Rating: ET	Billet Pay Grades: E3-E9	Personnel Pay Grades: E3-E9
Course: Course Mandatory	CIN: A-102-0392	CDP: 036W
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14NO NAVIGATION EQUIPMENT OPERATOR

Source Rating: ET	Billet Pay Grades: E3-E9	Personnel Pay Grades: E3-E9
Course: Course Mandatory	CIN: A-102-0390 A-193-0401 A-193-0404	CDP: 768H 581A, 581D 714N
Sequence Code: 6	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

NOTE: NEC will be OJT awardable to personnel currently serving on SSN/SSBN who have successfully completed the Submarine Navigation Operator qualification card.

ET-14NV SSN/SSBN Assistant Navigator

At sea, acts as assistant to the Navigator for the safe navigation of the ship. Ashore, is assigned to submarine staffs to coordinate submarine routing and operations, prevent mutual interference, and ensure safety of submerged operations.

Rating: ET	Billet Paygrades: E7-E9	Personnel Paygrades: E6-E9
Course: OJT	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

NOTE: NEC will be awarded to personnel who have successfully completed the Submarine Assistant Navigator qualification card.

ET-14QM FORMER QM(SS)

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14RD-14TG NAVIGATION EQUIPMENT MAINTENANCE TECHNICIANS

ET-14RD SSN 637 Class Navigation Technician

Operates and performs preventive and corrective maintenance on the following SSN 637 class submarine equipment/systems: SINS MK-3 MOD 6, AN/BRN-6, AN/BRN-7, AN/APX-72, and AN/BPS-15.

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14RM FORMER IT (SS)

Source Rating: ET	Billet Pay Grades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No

Primary Advisor: CNO N779 | Technical Advisor: NAVSEA | ECM: N132D9

ET-14RO SSN RADIO FREQUENCY (RF) EQUIPMENT OPERATOR

Source Rating: ET	Billet Pay Grades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-101-0688	CDP: 379X
Sequence Code: 6	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

NOTE: NEC will be OJT awardable to personnel currently serving on SSN who have successfully completed the SSN Communications/ESM operator qualification card.

ET-14SF SSN 594/688 Class Navigation Technician

Operates and performs preventive and corrective maintenance on the following SSN 594/688 class submarine equipment/systems: AN/WSN-1(V)2, AN/BRN-6, AN/BRN-7, AN/APX-72, and AN/BPS-15.

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14SM SWS Navigation System Maintenance Technician

SSN Exterior Communications Subsystem (ECS) Radio Room Maintenance Technician

Source Rating: ET	Billet Paygrades: E4-E8	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: A-193-0402	CDP: 581B, 581C
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14TG SSN 637/688 Class Navigation Technician

Operates and perform preventive and correctional maintenance on the following SSN 594/688 class equipment/systems: AN/WSN-3(V)2, AN/BRN-6, AN/BRN-7, AN/APX-72, and AN/BPS-15.

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Pending	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14TK SSN 21 Navigation Technician

Operates and performs preventive and organizational level maintenance on the following equipment: AN/WSN-3, ESGN, AN/BPS-16 Radar, AN/WRN-5 NAVSAT, AN/WRN-6 GPS, AN/SRN-25 OMEGA and AN/UPX-28 IFF.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC: 14RD, 14SF, 14TG	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14TM TRIDENT I/II Radio Frequency (RF) Equipment Maintenance Technician

TRIDENT Exterior Communications Subsystem (ECS) Radio Room Maintenance Technician

Source Rating: ET	Billet Paygrades: E4-E8	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: A-101-0182	CDP: 4118, 4139
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-14TO TRIDENT I/II Radio Frequency (RF) Equipment Operator

TRIDENT Exterior Communications Subsystems (ECS) Integrated Radio Room Operator.

Source Rating: ET	Billet Paygrades: E3-E5	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN: A-101-0726	CDP: 385A, 379Z
Sequence Code: 6	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

NOTE: NEC will be OJT awardable to personnel currently serving on SSBN who have successfully completed the SSBN Communications/ESM Operator qualification card.

ET-14XM Electronics Technician Trident II SWS D-5 BACKFIT SWS Navigation Maintenance Technician
Perform organizational and/or intermediate level maintenance on the TRIDENT II (D-5) Backfit SWS Navigation, Forward Electronic and Quartermaster equipment on TRIDENT SSBNs with the TRIDENT II D-5 Backfit SWS Navigation System.

Rating: ET	Billet Paygrades: E4-E8	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: A-193-0440 A-193-0442	CDP: 4884, 4886 4890, 4891
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: DIRSSPO	ECM: N132D9

ET-14XO Electronics Technician Trident II SWS D-5 BACKFIT SWS Navigation Operator
Perform all SWS Navigation, Forward Electronic and Quartermaster operator tasks and SWS Navigation maintenance task not requiring the use of test equipment on TRIDENT SSBNs with the TRIDENT II D-5 Backfit SWS Navigation System.

Rating: ET	Billet Paygrades: E3-E5	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN: A-193-0443	CDP: 4892, 4894
Sequence Code: 6	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: DIRSSPO	ECM: N132D9

ET-14ZA AN/BRD-7 Submarine Radio Direction Finding (RDF) Set Maintenance Technician
Operates and performs preventive and organizational level maintenance on the AN/BRD-7 RDF system.

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-102-0127	CDP: 341U, 535W
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

ET-1502-1523 RADAR TECHNICIANS
Perform organizational and/or intermediate level maintenance on radar. Make power output checks and minimum discernible signal tests. Check standing wave ratio. Inspect and locates faulty wave guide and transmission line sections. Align RF, IF and video amplifier circuits for malfunctions, diagnose symptoms and isolate, localize and replace faulty components and parts to restore equipment to optimum operating condition.

ET-1502 CATC Radar Technician

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR, NAVSEA, SPAWAR	ECM: N132D5

ET-1503 Radar (SPS-49) Technician

Source Rating: ET	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: A-104-0176	CDP: 453H
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA, SPAWAR	ECM: N132D5

ET-1504 Radar (SPS-55) Technician

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-104-0162	CDP: 350S, 453G
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA, SPAWAR	ECM: N132D5

NOTE: NEC may be earned by either formal training or by OJT. If OJT experience supports NEC award, submit EPMAC 1221/2 with documentation attached to EPMAC Code 49.

ET-1507 Radar (SPS-67(V)) Technician

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-104-0177	CDP: 408E, 453J
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

ET-1510 Radar (AN/SPS-49(V)5 & 7) Technician

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-104-0209	CDP: 151H, 453M
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

ET-1511 Radar (AN/SPS-40E) Technician

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-104-0199	CDP: 352U
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC: 1516	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

ET-1516 Radar (SPS-40B/C/D) Technician

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC: Open to Women: Yes	
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

ET-1522 Radar (SPN-42) Technician

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: OJT	CIN:	CDP:
Sequence Code: 4	RBTR: R-103-2058-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR, NAVSEA, SPAWAR	ECM: N132D5

NOTE: NEC may be awarded upon completion of local OJT and recommendation by Commanding Officer. Submit EPMAC 1221/2 to EPMAC (Code 49).

ET-1523 Amphibious Air Traffic Control (AATC) Radar

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR, NAVSEA, SPAWAR	ECM: N132D5

ET-1568 AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician

Performs organizational and/or intermediate level maintenance on the AN/TPX-42(V)13 Shipboard Direct Altitude and Information Readout (DAIR) System. Uses general and special purpose test equipment, built-in test equipment, and diagnostic computer programs to perform PMS checks, alignment, and trouble analysis on the entire Shipboard DAIR system.

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: C-103-2055	CDP: 707C
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC: 1576	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

ET-1570 Air Traffic Control Communications Technician

Performs organizational and/or intermediate level maintenance on FSA-52/58 communications console, GPR 20/23 Receivers, GRT-21/22 Transmitters, GRC-171/211 Transceivers, and the Flight Data Input/Output (FDIO system).

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: C-103-2115	CDP: 708F
Sequence Code: 5	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR, NAVSEA, SPAWAR	ECM: N132D5

ET-1571 AN/UPX-29(V) Ship System Maintainer

Provides Preventive Maintenance (PM) and Corrective Maintenance (CM) on the AN/UPX-29(V) AIMS Central IFF system (CIS) consisting of the following sub systems: OE-120/UPX Antenna Group (AS3134 Antenna, CV-3372 Antenna Position Programmer, C-10063 Antenna Control), AN-QPX-24(V) Interrogator Set (CP-1273 Central Processor Controller, C-10065 Control-Monitor, C-10064 Remote Control Indicator), KIR-1A/TSEC Crypto Computer, AN/UPX-27 Interrogator Set (AS-2188/UPX Linear Array Antenna, AS-177(B)/UPX Omni Directional Antenna, SA-1807/UPA-61 Electronic Switch, and C-8834/UPA-61 Control Monitor).

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: S-102-0085	CDP: 931G
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 1572	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA, SPAWAR	ECM: N132D5

ET-1572 AIMS System Technician

Performs organizational and/or intermediate level maintenance on ATCRBS, IFF system and limited maintenance on crypto.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-102-0062	CDP: 4784
Sequence Code: 5	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA, SPAWAR	ECM: N132D5

ET-1573 AIMS (TSEC/CRYPTO) Technician

Performs depot level maintenance on TSEC/KI-1A cryptographic equipment at crypto repair facilities or instructs at training sites.

Source Rating: ET AT	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 1572	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA, SPAWAR	ECM: N132D5

ET-1574 DAIR/GCA (TPX-42) Maintenance Technician

Performs organizational and/or intermediate level maintenance on Interrogator Set TPX-42A(V)5 and ancillary equipment installed at shore installations, utilizing test set UPM-137A, TPM-32 and TPM-36.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: C-103-2053	CDP: 707A
Sequence Code: 5	RBTR: R-103-2061-03	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR NAVSEA SPAWAR	ECM: N132D5

ET-1576 CATC DAIR Maintenance Technician

Performs organizational and/or intermediate level maintenance on Programmable Interrogator Set TPX-42A(V)8 and ancillary equipment installed on ship.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: OJT	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR, NAVSEA, SPAWAR	ECM: N132D5

NOTE: NEC may be awarded upon completion of local OJT and recommendation by Commanding Officer. Submit EPMAC 1221/2 to EPMAC (Code 49).

ET-1578 RATCF DAIR Maintenance Technician

Performs organizational and intermediate level maintenance on the TPX-42A(V)10 Programmable Indicator Data Processor (PIDP) set. Uses general and special purpose test equipment, built-in test equipment and diagnostic computer programs to perform PMS checks, alignment and trouble analysis on the entire PIDP system.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: C-103-2051	CDP: 706Z
Sequence Code: 5	RBTR: R-103-2051-01, 103-2051-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR, NAVSEA, SPAWAR	ECM: N132D5

ET-1579 Precision Approach Radar Technician

Performs organizational level maintenance on the FPN-63 Precision Approach Radar consisting of performance verification, testing alignment and fault isolation. Replaces discrete chassis, components piece parts, line replaceable units, modules, subassemblies, and printed circuit cards.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: C-103-2061	CDP: 707H
Sequence Code: 4	RBTR: R-103-2061-01, R-103-2061-03	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR, NAVSEA, SPAWAR	ECM: N132D5

ET-1580 ASR-8 Maintenance Technician

Performs organizational level maintenance on the GPN-27 (ASR) radar consisting of fault isolation, performance testing and alignment, removal and replacement of subassemblies, and printed circuit boards.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: C-103-2060	CDP: 707G
Sequence Code: 4	RBTR: R-103-2060-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR, NAVSEA, SPAWAR	ECM: N132D5

NOTE: NEC may be earned by either formal training or OJT. If OJT experience supports NEC award, submit EPMAC 1221/2 with documentation attached to EPMAC Code 49.

ET-1589 Fleet Electronics Calibration (FECL) Technician

Performs intermediate level maintenance, repair, calibration, and documentation of surface ship General Purpose Electronic Test Equipment (GPETE) in Fleet Electronic Calibration Laboratories and selected Field Calibration Activities (FCAs) in AD, AR, AS, CGN, CV, CVN, LHA, LHD and LPH ship classes, Shore Intermediate Maintenance Activities (SIMA) and other designated Fleet shore activities.

Source Rating: ET CTM	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: C-198-2013	CDP: 713R
Sequence Code: 5	RBTR: R-198-0057-01, R-198-0057-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA, SECGRU	ECM: N132D5

ET-1590 AN/SPN-46(V) Radar Technician

Performs system operational checks, preventive maintenance, fault isolation, removal and replacement of plug-in assemblies or chassis mounted parts and systems alignments. Fault isolation will be facilitated by Built in Test Equipment (BITE), General Purpose Electronic Test Equipment (GPETE), Special Purpose Electronic Test Equipment (SPETE) and Maintenance Assistance Modules (MAMS).

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: C-103-2067	CDP: 707M
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC: 1522	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D5

ET-1591 Miniature/ Microminiature Module Test and Repair (2MTR) Technicians

Performs corrective maintenance on circuit cards and electronic modules by troubleshooting and repairing the faulty cards and modules. Preventive maintenance will be performed periodically as schedule by Maintenance Requirement Cards for 2M Rework Stations (Pace PRC 2000 and PP-8087/U) and the primary MTR test system (AN/USM-646).

Source Rating: ET, CTM, EW, FC, FT, GM, GSE, IC, MT, ST, IT, TM	Billet Paygrades: E-4-E7	Personnel Paygrades: E3-E7
Course: Course Pending	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC: 9526	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N43, N869	Technical Advisor: NAVSEA	ECM: N132D5

ET-1592 AN/TPX-42A (V) 14 Shipboard DAIR Maintenance Technician

Performs organizational and/or intermediate maintenance on the AN/TPX-42 (V) 14 Shipboard Direct Altitude and Identity Readout (DAIR) System. Uses general and special purpose test equipment, built-in test equipment, and diagnostic computer programs to perform PMS checks, alignment, and trouble analysis on the entire Shipboard DAIR system.

Source Rating: ET	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Mandatory	CIN: C-103-2056	CDP: 5257
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC: 1658	Open to Women: Yes
Primary Advisor: CNO (N889)	Technical Advisor: NAVAIR	ECM: N132D5

ET-1613 Command Center Maintenance Technician

Performs organizational and system level, planned and corrective maintenance on Navy C4I tactical systems in naval command centers ashore and afloat, to include generic front end communications processors, color large screen displays, data servers, routers, printers, fiber optic Local Area Networks (LAN) and associated peripheral equipment.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: J-150-2306	CDP: 246X
Sequence Code: 3	RBTR: R-150-2306-01, R-150-2306-02	NR Ind: R
Component NEC: 1678	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N62	Technical Advisor: SPAWAR	ECM: N132D5

FC-1615 Shipboard Tactical Data Systems Technician

Provides organizational and/or intermediate level maintenance on a system level for Shipboard Tactical Data systems.

Source Rating: FC	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR: R-495-0413-12	NR Ind: R
Component NEC: 1623 or 1624 or 1681or 1682 or 1684 and 1622 or 1656 or 1671 or 1672 or 1673 or 1674		
	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

NOTE: NEC may be assigned to personnel who have three years supervisory experience in an NTDS/CDS environment and hold at least two of the three NTDS/CDS type NECs. Submit EPMAC 1221/2 to EPMAC Code 49 with appropriate documentation indicating that member meets requisite criteria.

FC-1622 CDS Upgrade Computer/Peripheral Maintenance Technician (CG-16/27 CGN-36 and DDG-993 Class)

Performs organizational level maintenance on the AN/UYK-43(V) Computer Set and associated peripheral equipment, such as AN/UYH-3(V) Disk Memory Unit, AN/USQ-69(V) Data Terminal, RD-358(V) and RD-358A(V) Magnetic Tape Units, CV-2036(V) USQ-20 Signal Data Converter, TT-624(V)6 Teleprinter, CV-2517/UYK and MT-3574/USQ-20 Digital Analog Converter and the OJ-212(V) Teletypewriter.

Source Rating: FC	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC: 1656	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

ET-1623 Data Communications LINK Maintenance Technician

Tests, calibrates and performs organizational and/or intermediate level maintenance on USQ-36, USQ-74, SSW-1C, USQ-59 and TSEC/KG-40 equipment.

Source Rating: ET	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1624 AN/UYQ-21 Computer Display System Maintenance Technician

Performs organizational level maintenance on the AN/UYQ-21(V) and DITEG/ASTAB display equipment, including the OJ-451(V) Computer Display Console, OJ-535(V) Console Display Control, OL-191, 224, and 318 Signal Data Signal Processor Converter Groups, PT-525(V) Projection Plotting Unit, PT-533/USQ-88 Printer Plotter, ON-173(V) Signal Data Interconnecting Group, ON-201(V) Intercommunications Interconnecting Group, ASTABS, and Video Monitors.

Source Rating: FC	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: A-150-0261	CDP: 590W
Sequence Code: 4	RBTR: R-150-0261-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1625 AN/SYQ-24 (V) 1 Maintenance Technician

Performs documented organizational level maintenance on LHA 1 class ACDS (AN/SYQ-24 (V) 1) and component equipment including the AN/UYK-43A computer set, AN/UYK-70 (V) and TAC-4 series consoles and cabinets, VME Commercial Off The Shelf (COTS)/open system architecture devices, printers, and UNIX based operating systems. The Technician sets up and performs limited Local Area Network (LAN) management tasks associated with ACDS LANs and fiber optic data distribution interfaces. The technician sets up and operates equipment in all configurations to support tactical operation and maintenance of LHA ACDS.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: A-150-0300	CDP: 714R
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

ET-1633 ASWOC Fast Time Analyzer Subsystem (FTAS) Maintenance Technician

Performs organizational and intermediate level maintenance on the Acoustic Fast Time Analyzer(FXQ-1), Integrated Command ASW Prediction System (ICAPS) and unique acoustic sub systems installed in the Antisubmarine Warfare Operations Center (ASWOC).

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course:	CIN:	CDP:
Sequence Code: 5	RBTR: R-102-0364-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D5

ET-1646 FLTSATCOM (SSIXS-OPCONCEN) Maintenance Technician

Performs intermediate level maintenance on core SSIXS equipment and AN/USQ-XXX SSIXS II/SI SSIXS communications equipment consisting of existing ON-143(V)/USQ interconnecting group, MICROVAX II computer, RD-397/U perforated tape reader/punch, RD-585 UYK line printer, RA 60 disk drive and COMPAQ 386/16T computer, MXT 1200 keyboard printer and associated peripherals.

Source Rating: ET IT	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: A-101-0262	CDP: 214X
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N62	Technical Advisor: NCTC, SPAWAR	ECM: N132D5

NOTE: IT personnel must be submarine qualified in order to be awarded NEC ET-1646.

ET-1647 NCCS Ashore Maintenance Technician

Performs organizational and system level maintenance on Navy Command and Control System (NCCS) ashore computer and peripheral equipment installed at NCCS ashore sites. This equipment includes the Navy desk top and tactical computers, Large Group Displays (LGD), laser, thermal and dot matrix printers, computer monitors, fiber optic cables, Local Area Network (LAN), and various interface equipment.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 3	RBTR: R-221-0389-01, R-221-0389-02 R-221-0389-03	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N62	Technical Advisor: NCTC	ECM: N132D5

ET-1654 Intelligence Center Maintenance Technician

Performs organizational level maintenance on all computer systems peripheral equipment installed in the Intelligence Centers on CV/CVN, LCC, LHA and LHD class ships and shore activities including Naval Intelligence Processing Systems (NIPS), Fleet Imagery Support Terminal (FIST), Prototype Ocean Surveillance Terminal (POST), AN/UYK-48 Analytical Photogrammetric Positioning System (APPS), AS-27B Module Image Interpretation System (MIIS), Tactical Air Mission Planning System (TAMPS), Microcomputer Maintenance, and Local Area Network (LAN)/System Interface.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: J-150-2019	CDP: 242D
Sequence Code: 4	RBTR: R-150-2019-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SPAWAR	ECM: N132D5

FC-1656 CV/CVN Combat Direction System (CDS)/(ASWM) Computer/Peripheral Subsystem Maintenance Technician

Performs organizational level maintenance on the AN/UYK-43(V) Computer Set and associated peripheral equipment, including AN/UYH-3(V) Disk Memory Unit, AN\USQ-69(V) and AN/USQ-69X(V) Data Terminal Set, RD-358(V)/UYK Recorder-Reproducer, RD-358A(V)/UYK Recorder-Reproducer, CV-2036(V)/USQ-20 Signal Data Converter, TT-624D(V)6 Teleprinter, OK-406(V)3/SQQ Control Adapter Group and PT-549(V)1/U Printer Plotter/High Speed Printer, MK-70 Digital Switchboard, CV-2517B Digital/Analog Converter, and OJ-212(V)1/UYK Teleprinter and Teletype Adapters.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: A-150-0260	CDP: 577Z
Sequence Code: 4	RBTR: R-150-0260-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR, NAVSEA	ECM: N132D5

ET-1657 CV-ASWM Fast Time Analyzer Subsystem Upgrade (FTAS-U) Systems Technician

Performs organizational and limited intermediate level maintenance on the following CV-ASWM FTAS-U equipment: OJ-570(V)/AN/SQX-3 FTA console, AN/AYX-14(V) computer set, OJ-572(V)/SQX-3(V) with AN/USH-31 acoustic input console, OJ-571/SQX-3(V) LGR console, AN/SKR-6A telemetric data receiving set, MS-1018/U tape cleaner, packer/wider, ID-1872/A ambient sea noise meter and AN/SYK-1A integrated carrier ASW prediction system.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: J-102-0393	CDP: 221P
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D5

FC-1658 LHD 1 Class ITAWDS Computer/ Peripheral Subsystem Maintenance Technician

Performs organizational level maintenance on the LHD 1 Class Integrated Tactical Amphibious Warfare Data system (ITAWDS) Computer/Peripheral equipment, Data Multiplex System (DMS), Tactical Information Processing System (TIP), and Combat Simulation Test System (CSTS). Operates the CSTS. Specific equipment includes the AN/UYH-3 Disk Memory Unit, RD-35A Magnetic Tape Unit, TT-624D Teleprinter, AN/SSQ-91 CSTS, TD-1320A(p/o AN/USQ-82 DMS), CV-3647A(p/o AN/USQ-82 DMS), MK-70 MOD 23 Switchboard, MK-328 MOD 21 Computer Switching Control Panel, AN/USQ-69 and AN/USQ-69B Data Terminal Sets and RO-581 High Speed Printer.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-150-0271	CDP: 590Z
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

ET-1664 SNAP I Computer System Maintenance Technician

Performs organizational and intermediate level maintenance on assigned SNAP I equipment using SNAP system diagnostics technical publications, circuit diagrams and other appropriate documentation. Performs casualty analysis and fault isolation. Operates, tests, aligns, and repairs individual modules or equipment within the system and ensures proper interface with related systems.

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1671 CG-26/CGN-9/CGN-38/DDG20/FFG-7/LHA-1 Class Computer/Peripheral Technician

Performs intermediate level maintenance on AN/UYK-7 and AN/UYK-43 computers and associated peripherals.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: A-150-0135	CDP: 577V
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1672 DD-963 Class Computer/Peripheral Technician

Performs organizational level maintenance on the UYK-7 Computer and peripheral equipment such as UYA-5/6, CV-2036 (KCMX), USH-19, OA-7984 and OU-102 (DASCO) as installed on the DD-963 class.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: A-150-0109	CDP: 577U
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1673 LHA Class Computer and Associated Subsystem Technician

Performs organizational level maintenance on the UYK-7 Computer and associated subsystems such as UYK-5/6, CV-2036 (KCMX), Communication Monitoring and Control Subsystem (CMCS) and Communications Processing System (CPS) installed on LHA class.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1674 LHA Integrated Tactical Amphibious Warfare Data System (ITAWDS) Maintenance Technician

Sets up and operates the ITAWDS equipment in all modes to detect malfunctions. Sets up and operates test equipment required to detect the malfunctions. Isolates and corrects malfunction using logical troubleshooting techniques and appropriate test equipment. Adjusts and/or aligns ITAWDS electronics and mechanical assemblies using specified tools and test equipment. Performs organizational level maintenance as required and verifies ITAWDS operation by performing tests.

Source Rating: FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-1676 FC-1676 Afloat Planning System (APS) Maintenance Technician

Performs organizational level maintenance on the Tomahawk Land Attack Missle (TLAM) Afloat Planning System (APS) AN/SWQ-1 (V) equipment to include the Digital Imagery Workstation Suite Afloat (DIWSA) , the TLAM Planning System Afloat (TPSA) , and the Mission Distribution System (MDS) . Will also perform organizational level maintenance on segments of the Joint Service Imagery Processing System Navy (JSIPS-N) AN/SYQ-23 equipment installed in Rapid Deployment Suites (RDSs) and at shore and training sites.

Source Rating: ET CTM FT FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: J-243-2951	CDP: 293Q
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes

Primary Advisor: CNO N769 Technical Advisor: NAVAIR ECM: N132D5

ET-1677 Tactical Advanced Computer (TAC-n) Maintenance Technician
Performs organizational level maintenance on various tactical computers (DTC-2, TAC-3, TAC-4, TAC-n) to include maintenance of routers, printers, plotters, converters, local area networks, uninterruptable power supplies, and fiber optic repair. Performs system operational checks and measurements, performance and confidence tests, cleaning and lubrication of chassis components, and inspection and repair of cables and connectors.

Source Rating: ET FC FT
Course: Course Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N6T
Billet Paygrades: E4-E7
CIN:
RBTR: R-150-2305-01
Related NEC:
Technical Advisor: SPAWAR
Personnel Paygrades: E3-E7
CDP:
NR Ind: A
Open to Women: Yes
ECM: N132D5

ET-1678 Information System Maintenance Technician
Performs Journeyman level organizational and system maintenance on shipboard and ashore end-to-end information systems. This equipment includes Local and Wide Area Networks, Desktop Computers, Tactical Advanced Computers (TAC-n), Routers, Uuinterruptable Power Supplies (UPS), ON-143 (V) 6, Satellite Communications (SATCOM) Peripheral Devices, Generic Front End Processor (CFCP), Link Convertors, Fiber Optic Repair Centronics Data Hubs and the Advanced Technical Information Support System (ATIS). Knowledgeable in Video Switch technology and Asynchronous Transfer Mode (ATM) Switching. Possesses working knowledge in Windows NT, UNIX, Cisco INTERNETWORK Operating Systems and Global Command and Control System-Maritime applications. Performs initial system setup, basic administration and operational checks on information technology systems.

Source Rating: ET
Course: Course Mandatory
Sequence Code: 4
Component NEC: 1677
Primary Advisor: CNO N6
Billet Paygrades: E4-E7
CIN: A-150-2300
RBTR:
Related NEC: 1613
Technical Advisor: SPAWAR
Personnel Paygrades: E3-E7
CDP: 5781, 5791
NR Ind: R
Open to Women: Yes
ECM: N132D5

FC-1681 FFG-7 Class Display Equipment Maintenance Technician
Performs organizational level maintenance on the UYA-4 display equipment including the OJ-197 Operational Summary Console and CV-2834 Radar Video Processor (RVP) as installed on the FFG-7 class.

Source Rating: FC
Course: Course Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N769
Billet Paygrades: E4-E7
CIN: A-150-0136
RBTR:
Related NEC:
Technical Advisor: NAVSEA
Personnel Paygrades: E3-E8
CDP: 577W
NR Ind: R
Open to Women: Yes
ECM: N132D5

FC-1682 DD-963/LHA Class Display Equipment Maintenance Technician
Performs organizational level maintenance on the UYA-4 display equipment including the OJ-197 Operational Summary Console and CV-2356 Beacon Video Processor (BVP) as installed on the DD-963 and LHA class ships.

Source Rating: FC
Course: Course Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N769
Billet Paygrades: E4-E7
CIN: A-150-0137
RBTR:
Related NEC:
Technical Advisor: NAVSEA
Personnel Paygrades: E3-E8
CDP: 577X
NR Ind: R
Open to Women: Yes
ECM: N132D5

FC-1684 CG/CGN/DDG CDS Upgrade Data Display Technician
Performs organizational level maintenance on the OJ-194A/UYA-4 Data Display System, including IP-1304 Remote Digital Indicator, OU-91(V)9 or 18, AM-4534 and AM-6832 Pulse Amplifiers, CV-2095(V) Radar Azimuth Converter, SB-2780 Radar Distribution Switchboard, TS-2460 Test Set, and the AN/UYQ-21(V) DITEG/ASTAB Display Group, including OL-191, OL-224 and OL-318 cabinets, CV-3820/CV-3893 COMMON DITEG, OJ-535 (V)1, 2, and 3 Console, CV-3547 (V) 5 and 6 ASTAB Converter, PT-533/USQ-88 Hard Copy Unit and PT-525(V) Large Screen Display Projector.

Source Rating: FC
Course: Course Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N769
Billet Paygrades: E4-E7
CIN:
RBTR:
Related NEC:
Technical Advisor: NAVSEA
Personnel Paygrades: E3-E8
CDP:
NR Ind: R
Open to Women: Yes
ECM: N132D5

ET-1685 Tactical Support Center (TSC) Acoustic System Maintenance Technician

Performs organizational and intermediate level preventive and corrective maintenance on the Acoustic Fast Time Analyzer System and non-acoustic equipment unique to ASWOCs. Performs maintenance on related peripheral equipment.

Source Rating: ET, FC	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course:	CIN: J-102-0364	CDP: 333S
Sequence Code: 3	RBTR: R-102-0364-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N6	Technical Advisor: SPAWAR	ECM: N132D5

ET-16ET Former DS
This NEC is awarded to former DS's who have converted into the ET rating and is used for tracking purposes.

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

FC-16FC Former DS
This NEC is awarded to former DS's who have converted into the FC rating and is used for tracking purposes.

Source Rating: FC	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

ELECTRONIC WARFARE TECHNICIAN

EW-1733 Electronic Warfare Systems Technician (AN/SLQ-32(V)2)
Performs preventive and corrective maintenance on AN/SLQ-32A(V)2 and the AN/SLQ-32(V)2 Electronic Warfare Support System.

Source Rating: EW	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-102-0215	CDP: 016D
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: SECGRU	ECM: N132D8

EW-1734 Electronic Warfare Systems Technician (AN/SLQ-32(V)3)
Performs preventive and corrective maintenance on the AN/SLQ-32A(V)3 and the AN/SLQ-32(V)3 Electronic Warfare Deceptive Electronic Countermeasures (DECM) system.

Source Rating: EW	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-102-0216 A-233-0004	CDP: 016F 3587
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 1733	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: SECGRU	ECM: N132D8

EW-1736 Electronic Warfare Systems Maintenance Technician (AN/SLQ-32(V)4)
Performs preventive and corrective maintenance on the AN/SLQ-32A(V)4 and the AN/SLQ-32(V)4 Electronic Warfare Deceptive Electronic Countermeasures (DECM) system.

Source Rating: EW	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-102-0361	CDP: 226T
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 1733 or 1734	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: SECGRU	ECM: N132D8

EW-1737 Electronics Warfare Systems Technician (AN/SLQ-32A(V)5/AN/SLQ-32(V)5)
Performs preventive and corrective maintenance on the AN/SLQ-32A(V)5 and the AN/SLQ-32(V)5 Electronic Warfare Deceptive Countermeasures (DECM) system.

Source Rating: EW	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-102-0382	CDP: 299T
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 1733	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: SECGRU	ECM: N132D8

EW-1738 Electronic Warfare Journeyman Maintenance Technician (AN/SLQ-32A(V)3/AN/SLQ-32(V)3)
Performs organizational and/or intermediate level maintenance and repair consistent with the U.S. Navy's definition of a Journeyman Technician on the electronic, hydraulic, and mechanical components of the AN/SLQ-32A(V)3 and the AN/SLQ-32(V)3.

Source Rating: EW	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-230-0023	CDP: 375V
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 1734	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: SECGRU	ECM: N132D8

Note: Minimum two years fleet experience as AN/SLQ-32A (V) 3 technician required. This requirement will not be waived.

EW-1743 Electronic Warfare Systems Technician (AN/WLR-1H)
Supervises operation of and performs preventive and corrective maintenance on WLR-1H electronics warfare support measures set.

Source Rating: EW	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E6
Course: Course Mandatory	CIN: A-102-0217	CDP: 018D
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: SECGRU	ECM: N132D8

EW-1781 Electronic Warfare Technician (Advanced Application)
Develops Electronic Order of Battle (EOB) in support of local, fleet and joint fleet operations. Provides the human interface between electronic warfare equipment, both active and passive, and other shipboard weapons systems related to integration under the Combat Weapons System Organization. Serves as staff advisor in the employment of electronics warfare equipment involving surface, subsurface, air and satellite forces. Provides resident expertise for the collection of intelligence data related to enemy use of any portion of the electromagnetic spectrums.

Source Rating: EW CTT	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN: A-230-0018	CDP: 034M
Sequence Code: 2	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: SECGRU	ECM: N132D8

MASTER AT ARMS

MA-2002 Military Investigator
Performs specialized duties in the investigation of military offenses with particular emphasis on knowledge of military and civilian legal considerations. Collects and preserves physical and testimonial evidence. Investigates drug related offenses and provides support for special operations and protective services.

Source Rating: MA	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN: A-832-0001	CDP:437N
Sequence Code: 4	RBTR: R-830-2002-03 R-830-2002-02 R-830-2002-03	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N09N	Technical Advisor: CNO N09N	ECM: N132D14

NOTE: NEC awarded to Naval Reservists after completion of the 85 hour Army Military Investigator Correspondence Course (191-M17).

MA-2005 Dog Handler
Performs specialized duties in law enforcement, physical security, anti-terrorism operations and detection of explosives and/or illicit drugs in the military community utilizing assigned military working dog. Responsible for the care, welfare and continuous training of assigned dog to ensure physical condition and proficiency are maintained. Maintains administrative records associated with the use and maintenance of assigned military working dog.

Source Rating: MA	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E7

Course: Course Mandatory	CIN: A-830-0019	CDP: 478N
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N09N	Technical Advisor: CNO N09N	ECM: N132D14

NOTE: This NEC requires completion of both the Military Working Dog Patrol course and the Dector course.

MA-2006 Kennel Master

Supervises all Military Working Dog (MWD) teams assigned to respective commands. Manages, supervises and administers training and utilization evolutions. Controls and issues drug/explosive training aids. Maintains probable cause, history, training records and all other pertinent data pertaining to each MWD team. Ensures submission of complete and accurate quarterly reports and other required documentation to appropriate authority.

Source Rating: MA	Billet Paygrades: E7-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN: A-830-0009	CDP: 107L
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 2005	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N09N	Technical Advisor: CNO N09N	ECM: N132D14

NOTE: Applicants submit NAVPERS 1306/7 via 24X1 NCIS N09N.

MA-2008 Afloat Corrections Specialist

Performs specialized correctional duties on afloat units having confinement facilities, including the responsibility for security, control, supervision, support, health and care of prisoners. Knowledgeable on correctional programs and administration.

Source Rating: MA	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-831-0006	CDP: 5699
Sequence Code: 3	RBTR: R-831-0003-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N09N	Technical Advisor: CNO N09N	ECM: N132D14

NOTES:
1. Completion of the Correction Specialist Course referenced under NEC 9575 meets all requirements for awarding of this NEC to MAs only.
2. Candidates for this NEC are screened for selection in accordance with Articles 9.0811 and 9.0812 of the Enlisted Transfer Manual (NAVPERS 15909).

NAVY COUNSELOR

NC-2186 Career Recruiter

Performs recruiting duties and recruiting management and supervisory duties as prescribed for the Career Recruiter Force and Naval Reserve Recruiter Force.

Source Rating: All	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: R-501-0001, S-501-0006	CDP: 388W, ,525F
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 9585 or 2612	Related NEC:	Open to Women: Yes
Primary Advisor: CNRC	Technical Advisor: CNRC	ECM: N132D14

NOTES:
1. NEC is awarded to members who are approved for lateral conversion to the Career Recruiter Force for the remainder of their Naval or Naval Reserve career.
2. Applicants must meet the screening criteria for Recruiter per Chapter 11 of NAVPERS 15909 (Enlisted Transfer Manual), be recommended by their Commanding Officer and Navy Recruiting Command, and be approved by BUPERS.
3. BUPERS (Pers-255/913) will notify EPMAC (Code 49) of approval for lateral conversion and request award of NEC NC-2186.

INFORMATION SYSTEMS TECHNICIAN

IT-2301 Enlisted Frequency Manager

Coordinates frequencies for use within area of responsibility. Maintains frequency employment files. Initiates action as appropriate to prevent and/ correct harmful interference. Makes recommendations for changes in frequencies affected by propagation and unresolvable harmful interference.

Source Rating: IT	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9

Course: Course Mandatory	CIN: A-202-0039	CDP: 121E
Sequence Code: 3	RBTR: R-202-0039-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N61	Technical Advisor: NCTC	ECM: N132D6

IT-2306 Computer Based Training Technician

Management tool for tracking personnel who have completed either the Radioman "A" school or Computer Based Training. This will allow individuals with the NEC to be fully detailed in either the DP or IT ratings until the merger is complete.

Source Rating: IT	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N6	Technical Advisor: NCTC	ECM: N132D6

NOTE: Upon successful completion of the new Information Systems Technician "A" school located at SSC San Diego, CA or the 40 hour CBT course, submit EPMAC 1221/2 to EPMAC (Code 49), via COMNAVCOMTELCOM, Code N12 with accompanying documentation.

IT- 2318 Communications System Technical Control Operator

Coordinates complete processing of communications signals including satellite transmission and reception paths. Operates or controls operation of long-haul and/or local communication equipment systems including cryptographic, transmitters, receivers, DC and audio frequency patch boards, and telegraphic terminal equipment. Maintains signal quality and determines point of signal deterioration through use of test equipment such as monitor teletypewriters, order wires, transmission distortion test sets, oscilloscopes, audio level and noise level meters, spectrum analyzers, and fleet satellite monitor. Analyzes quality control results to identify preventive or corrective action required. Restores communications by appropriate means. Prepares and maintains circuit quality and outage logs and reports.

Source Rating: IT	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20, N6	Technical Advisor: SECGRU, NCTC	ECM: N132D6

NOTE: No new assignments of this NEC.

IT-2319 Communication System Technical Control Supervisor

Directs control, operation and patching of long-haul communications media (including satellite) and local circuits. Manages selection of transmitting, receiving and terminal equipment, use of cryptographic equipment including shifts and adjustments and all equipment on the air. Ensures reliable communications through familiarity with all possible combinations of antennas, transmitters, receivers, frequencies, and terminal equipment. Directs circuit and system performances tests, ensures that corrective action is taken in case of circuit outages and that control links and land lines are properly used. Coordinates operational changes on circuits with subscribers. Inspects and maintains logs and records of data pertinent to control center operations. Maintains watch to watch integrity of administrative, operational and cryptographic publications and materials.

Source Rating: IT	Billet Paygrades: E6-E7	Personnel Paygrades: E6-E7
Course: OJT	CIN:	CDP:
Sequence Code: 7	RBTR:	NR Ind: A
Component NEC: 2318	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20, N61	Technical Advisor: SECGRU, NCTC	ECM: N132D6

NOTE: NEC assignment is based on a minimum of one year supervisor experience as a IT-2318 at a NAVCAMS/NAVCOMMSTA and/or ships with extensive ship-shore communication commitments such as LCC's, CV's,
and other ships designated as major flag ships. Submit EPMAC 1221/2 to EPMAC (Code 49) via COMNAVCOMTELCOM (Code N12) with copies of service record page 4's and enlisted evaluations which document experience in tech control

Note 2: No new assignments to the NEC

IT-2321 Surface Communication Systems Operator

Coordinates complete processing of communication signals in surface ship communication suites at a systems level. Operates or controls the operation of long-haul and/or short-range communication equipment systems. Uses SSQ-88 quality Monitoring Systems and Total Ship Test Programs to analyze circuit degradation and identify preventive or corrective measures required on covered and uncovered LF, HF, VHF, UHF, and SATCOM subsystems as well as cryptographic equipment and the Single Audio System.

Source Rating: IT	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E6
Course:	CIN:	CDP:

Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: SPAWAR, NCTC	ECM: N132D6

NOTES: No new assignments of this NEC.

IT-2354 FLTSATCOM (SSIXS-OPCONCEN) Operator

Operates and performs preventive maintenance on core SSIXS equipment and AN/USQ-XXX SSIXS II/SI SSIXS communications equipment consisting of existing ON-143(V)/USQ interconnecting group, MICROVAX II computer, RD-397/U perforated tape reader/punch, RD-585 UYK line printer, RA-60 disk drive and COMPAQ 386/16T computer, MXT 1200 keyboard printer and associated peripherals.

Source Rating: ET CTO IT	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: OJT	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N63	Technical Advisor: NCTC	ECM: N132D6

NOTES:
1. Source rating ET must be qualified in submarines.
2. Must complete operator PQS, six months OJT and have the Commanding Officer's recommendation.

IT-2358 SHF SATCOM Systems Operator

Operates SHF SATCOM systems on fleet combatant installations.

Source Rating: IT	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E6
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N63	Technical Advisor: SPAWAR, NCTC	ECM: N132D6

IT-2363 Strategic SHF SATCOM Systems/DSCS Operator

Operates DSCS terminals AN/GSC-52, AN/FSC-78B(V), AN/FSC-79A(V) and AN/GSC-39B, DSCS FDMA Control Subsystems (DFCS), Digital Communications Subsystems (DCSS), Standard Tactical Entry Point (STEP), Integrated Digital Network Exchange (IDNX) and Spread Spectrum Multiple Access (SSMA) Modem AN/USC-28(V) electronic counter-countermeasures (ECCM) operations.

Source Rating: IT ET	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: A-260-0034	CDP: 406X
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N63	Technical Advisor: NCTC	ECM: N132D6

NOTE: NEC may be assigned to personnel who have completed on site JQRs and demonstrated the ability to operate Strategic SHF SATCOM Systems and Subsystems. Submit EPMAC 1221/2 to EPMAC (Code 49) via Naval Computer and Telecommunications Command (N12). Include copies of applicable supporting documentation; service record page 4's, enlisted evaluations, CO/OIC's recommendation.

IT-2375 Tactical Support Communications (TSCOMM) Replacement Program System Operator

Utilizes a computer matrix exchange terminal to set up and operate various ASCOMM systems including ASW Centers Command and Control systems (ASWCCS), HF, UHF and satellite voice circuits, teletype circuits, and Data Link 11. Coordinates teletype and voice circuits with patrol aircraft and shore sites. Operates VP Broadcast, records air-to-ground communications and briefs/debriefs aircrews. Operates various receivers, transmitters, modems, multiplexers, computer operated remote control and message processing systems, interconnecting groups, switching devices and cryptographic equipment. Utilizes a chirpsounder with associated frequency management terminal to maintain effective communications.

Source Rating: IT	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: J-201-0816	CDP: 702Y
Sequence Code: 4	RBTR: R-201-0816-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NCTC, SPAWAR	ECM: N132D6

IT-2376 LHD Class Radio Communications Systems Controller.

Performs duties as lead technical controller of the AN/URC-109(V) VLF to HF Radio Communications Group and the AN/SSQ-33(V) Surface Ship Exterior Communications Control System. Programs the radio communication system to transmit and receive necessary intelligence, tactical, logistics and administrative information to carry out substitutions in case of equipment failures to maintain communications. Performs selective operational maintenance and equipment operational readiness tests prior to implementation of radio circuit.

Source Rating: IT
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N769

Billet Paygrades: E5-E7
CIN: A-202-0044
RBTR:
Related NEC:
Technical Advisor: SPAWAR

Personnel Paygrades: E5-E7
CDP: 577M
NR Ind: N
Open to Women: Yes
ECM: N132D6

IT-2378 VERDIN/ISABPS Shore Communications System Operator
Operates, coordinates and performs systems checks on the shore VERDIN System (consisting of URR-7, URT-30, associated crypto and frequency standard), and the ISABPS system (consisting of the USH-23 and UYK-20).

Source Rating: ET IT
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N61

Billet Paygrades: E3-E6
CIN: A-260-0035
RBTR:
Related NEC:
Technical Advisor: NCTC

Personnel Paygrades: E3-E6
CDP: 063B
NR Ind: R
Open to Women: Yes
ECM: N132D6

NOTE: Source rating ET must be qualified in submarines.

IT-2379 Transmission System Technician
Operates and performs system monitoring, fault isolation and circuit restoration of communications suites in the HF, UHF, SHF, and EHF frequency spectrums afloat and ashore, to include; communication transmission paths, input/output devices, cryptographic devices, interface equipment and patch panels, familiarization with signals, multiplexers, modulators/demodulators, and applicable system transmitters, receivers, couplers and antenna subsystems. Maintains signal quality through the use of circuit and system performance tests, determines point of signal distortion and identifies preventive or corrective action as required. Prepares and maintains all necessary circuit, watch to watch, operational and administrative logs, and ensures accountability o cryptographic publications and associated materials.

Source Rating: IT
Course: Course Mandatory
Sequence Code: 4
Component NEC: 2306
Primary Advisor: CNO N6

Billet Paygrades: E4-E8
CIN: A-260-0253
RBTR:
Related NEC: 2318 2319
Technical Advisor: NCTC

Personnel Paygrades: E4-E8
CDP: 2989, 6043
NR Ind: N
Open to Women: Yes
ECM: N132D6

NOTE: Personnel assigned to this course must be E4 or above and have completed initial tours of duty (career designated).

IT-23EY SUBMARINE RADIOMAN STRATEGIC COMMUNICATIONS (STRATEGICOMM) EQUIPMENT TECHNICIAN
Operates and performs preventive maintenance and organizational level maintenance on assigned strategic and related auxiliary communications equipment.

Source Rating: ET
Course:
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N779

Billet Paygrades: E3-E9
CIN:
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E3-E9
CDP:
NR Ind: R
Open to Women: No
ECM: N132D6

IT-23JH-23JS SUBMARINE RADIOMAN TACTICAL COMMUNICATIONS (TACTICOMM) EQUIPMENT TECHNICIAN
Operates and performs preventive maintenance and organizational level maintenance on assigned tactical and related auxiliary communications equipment.

IT-23JH

Source Rating: ET
Course:
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N779

Billet Paygrades: E3-E9
CIN:
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E3-E9
CDP:
NR Ind: R
Open to Women: No
ECM: N132D6

IT-23JS

Source Rating: ET
Course:
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N779

Billet Paygrades: E3-E9
CIN:
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E3-E9
CDP:
NR Ind: R
Open to Women: No
ECM: N132D6

IT-23MZ-23NJ SUBMARINE RADIOMAN COMMUNICATIONS (SUBCOMM) COMBINED MAINTENANCE TECHNICIAN
Operates and performs preventive maintenance and/or Intermediate level maintenance on the submarine communication equipment, not covered by the STRATEGICOMM and TACTICOMM pipelines.

IT-23MZ

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D6

IT-23NJ

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D6

IT-23SM SSN ECS Maintenance Technician
SSN Exterior Communications Subsystem (ECS) Radio Room Maintenance Technician.

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA, SECGRU, NCTC	ECM: N132D6

IT-23SO SSN ECS Operator
SSN Exterior Communications Subsystem (ECS) Radio Room Operator.

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 6	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA, SECGRU, NCTC	ECM: N132D6

IT-23TA-23TC TRIDENT RADIOMAN EXTERIOR COMMUNICATIONS SUB-SYSTEMS (ECS) OPERATIONS AND MAINTENANCE TECHNICIAN
Operates various TRIDENT ECS equipment and performs organizational level maintenance on radio (electronic and antenna) equipment including automated performance monitoring, fault isolation and modular replacement of digital systems. Interface in performing maintenance on the Command and Control System (CCS).

IT-23TA

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 6	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA, SECGRU, NCTC	ECM: N132D6

IT-23TB

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA, SECGRU, NCTC	ECM: N132D6

IT-23TC

Source Rating: ET
Course:
Sequence Code: 4
Component NEC: 23TB
Primary Advisor: CNO N779

Billet Paygrades: E3-E9
CIN:
RBTR:
Related NEC:
Technical Advisor: NAVSEA, SECGRU, NCTC

Personnel Paygrades: E3-E9
CDP:
NR Ind: R
Open to Women: No
ECM: N132D6

IT-23TM TRIDENT ECS Maintenance Technician
TRIDENT Exterior Communications Subsystems (ECS) Radio Maintenance Technician.

Source Rating: ET
Course:
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N779

Billet Paygrades: E4-E8
CIN:
RBTR:
Related NEC:
Technical Advisor: NAVSEA SECGRU NCTC

Personnel Paygrades: E4-E8
CDP:
NR Ind: R
Open to Women: No
ECM: N132D6

IT-23TO TRIDENT ECS Operator
TRIDENT Exterior Communications Subsystem (ECS) Integrated Radio Room Operator.

Source Rating: ET
Course:
Sequence Code: 6
Component NEC:
Primary Advisor: CNO N779

Billet Paygrades: E3-E5
CIN:
RBTR:
Related NEC:
Technical Advisor: NAVSEA, SECGRU, NCTC

Personnel Paygrades: E3-E5
CDP:
NR Ind: R
Open to Women: No
ECM: N132D6

RELIGIOUS PROGRAM SPECIALIST

RP-2401 Marine Basic Combat Skills Specialist
Provides physical security for chaplains assigned to Marine units afloat and ashore during field exercises and in combat.

Source Rating: RP
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N972

Billet Paygrades: E3-E9
CIN: A-561-0008
RBTR: R-031-2603-02
Related NEC:
Technical Advisor: CNO N097M

Personnel Paygrades: E3-E9
CDP: 2080
NR Ind: R
Open to Women: Yes
ECM: N132D6

NOTES:
1. NEC may be awarded upon successful completion of Chaplain/RP Expeditionary Skills Training (CREST) course. Additionally, the NEC may be awarded to RPs who laterally convert from the Marine Corps.
2. RP personnel must be advised of Marine Corps standards for appearance and fitness. Personnel must pass a color blindness screening, and a valid driver's license is required to operate a tactical vehicle.
3. CREST replaces Marine Combat Training (MCT).

YEOMAN

YN-2514 Flag Officer Writer
Serves on the personal staffs of Flag and General Officers, and certain other senior officers in command positions at sea and ashore. Must be able to function independently and carry out required duties. Must be able to draft personal and professional correspondence; act on matters of social usage, protocol, honors and ceremonies; prepare and liquidate travel orders; and prepare Officer Reports of Fitness. Individuals serve in a highly visible position and must conduct themselves in a professional manner at all times. Additionally, members will be required to satisfactorily meet any additional requirements of the Flag Officer.

Source Rating: YN
Course: OJT
Sequence Code: 3
Component NEC:
Primary Advisor: Pers-405C

Billet Paygrades: E6-E9
CIN: A-511-0015
RBTR:
Related NEC:
Technical Advisor: Pers-405C

Personnel Paygrades: E6-E9
CDP: 5618
NR Ind: R
Open to Women: Yes
ECM: N132D10

NOTES:
1. BUPERS policy concerning removal of the NEC is governed by TRANSMAN 9.18.
2. Complete college level composition or CLEP equivalent with a GPA of 3.0 or better; successfully complete Navy Protocol and Office Management training course (ICW/CBT course is currently being developed by CNET); 12 months on-the-job training; and Flag Officer recommendation. All requests will be sent to PERS 405C for review and forwarded to PERS 221l and EPMAC (Code 49) for approval.

PERSONNELMAN

PN-2612 Classification Interviewer
Interviews enlisted personnel to obtain information for classification purposes. Determines educational and occupational background, hobbies, abilities, and interests of personnel. Administers and scores basic battery and other classification tests. Screens personnel for special billets or training assignments.

Source Rating: PN	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: S-501-0031	CDP: 945P
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: Pers-405C, Pers-231	Technical Advisor: Pers-405C	ECM: N132D10

INFORMATION SYSTEMS TECHNICIAN

IT-2708 OSIS Baseline Upgrade (OBU) System Manager
Monitors system performance, performs data base maintenance functions, resolves hardware/software problems associated with system initialization, recovery and reconfiguration. Monitors and troubleshoot all communication lines connected to OBU to ensure message throughput and maximum system efficiency are maintained.

Source Rating: IT	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: NCTC	ECM: N132D6

IT-2709 Joint Force Air Component Commander (JFACC) System Administrator
JFACC System Administrator for Joint Standard Air Operations Software, comprised of either: 1) Contingency Theater Automated Planning System, or 2) joint-service portions of Theater Battle Management Core Systems. Uses advanced skills in Unix and TCP/1P networking to maintain a complex array of government and commercial software. Administers multiple databases; remotely coordinates configuration of distant systems; manages user accounts, permissions and profiles; and assists users. Monitors and troubleshoots the data interfaces with all external systems; and assists the administrators for those systems. Diagnoses errors down to sub-application or segment level. Follows complicated directions from remote service technicians to assist in major troubleshooting and repairs.

Source Rating: IT	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E6
Course: Course Mandatory	CIN: A-531-0024	CDP: 539T, 539V
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC: 2720, 2735	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SPAWAR	ECM: N132D6

Note: Secret security clearance required. Member should attain level 1 (NOVICE) certifications per the Navy's System Administrator Certification Program prior to formal training.

IT-2720 NTCS-A System Administrator
Performs basic operation of the NTCS-A system with regard to the system administration functions. Responsible for backing-up and restoring data, assigning or changing user accounts and passwords, profiling administration procedures, monitoring C4I system interfaces and log-in requirements, analyzing emergency shutdown occurrences, and controlling printer utilities and data base purging requirements.

Source Rating: IT	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E6
Course: Course Mandatory	CIN: J-150-2955	CDP: 381D,5643, 6040
Sequence Code: 4	RBTR: R-150-2955-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N6	Technical Advisor: SPAWAR	ECM: N132D6

IT-2730 SNAP III System Administrator
Coordinates the implementation, operation and software maintenance of the SNAP III system and establishes and monitors security procedures. Responsibilities include controlling operations during processing and responding to unscheduled program halts caused by machine failures, program

failures or invalid data; establishing and controlling directories, security management files and individual access files; controlling and monitoring network resources and utilities; conducting user orientation and training; monitoring programs to identify problems or potential for problems, such as pending memory overload.

Source Rating: IT ET FT FC	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-531-0021	CDP: 593W, 713M, 623N,6364
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC: 2755, 2756	Open to Women : Yes
Primary Advisor: CNO N6P	Technical Advisor: SPAWAR	ECM: N132D6

IT-2735 Information Systems Administrator

Provides basic and in-depth levels of instruction in Local Area Networks (LAN) and Metropolitan Area Networks (MAN), with focus on system administration. Prepares technical personnel to administer commercial network operating systems within the functional areas of configuration, system, and performance management. Manage/maintain internal site networks to include but not limited to MS Exchange, NetWare, Novell, UNIX, and Windows NT. Conduct first level network software and hardware corrective actions.

Source Rating: IT CT FT STS ET(SS)	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-531-0046	CDP: 0480, 2029, 319J, 426L,533P,603E, 344Y,634B, 2586, 303E, 3033,523S,523U 5240, 575Z
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC: 2736	Open to Women: Yes
Primary Advisor: CNO N6	Technical Advisor: NCTC	ECM: N132D6

IT-2739 Information Center Supervisor

Manages activities of the Data Processing Information Center.

Source Rating: IT	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 2735 and 2750	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N6	Technical Advisor: NCTC	ECM: N132D6

NOTE: NEC is awardable one year after assuming duties if candidate has component NECs or equivalent education. Submit EPMAC1221/2 via COMNAVCOMTELCOM (N12) with Commanding Officer's endorsement and copies of documentation reflecting a minimum of one year experience as Information Center Supervisor, i.e, Enlisted Evaluations, page 4, diplomas.

IT-2743 Computer Programmer (FORTRAN)

Performs programming utilizing FORTRAN or any other related algorithmic compiler; troubleshoot existing application program; codes low-level routines for application programs; integrates other languages with FORTRAN applications.

Source Rating: IT	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N6	Technical Advisor: NCTC	ECM: N132D6

IT-2750 Small Computer System Specialist

Performs the operation, set-up and installation, upgrades, maintenance, and security of small computer systems and components. Accountable for installation of application software, initial user training and primary interface to user on matters pertaining to small computer technology and applications. Use small computer system resource management and tools. Administers configuration and life cycle programs for small computer systems. Processes local area network connectivity and implementation of other resource sharing capabilities. Effect Automated Information System (AIS) security procedures.

Source Rating: ET IT	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course:	CIN:	CDP:
Sequence Code: 5	RBTR: R-532-0039-01	NR Ind: R
Component NEC:	Related NEC: 2743	Open to Women: Yes
Primary Advisor: CNO N6	Technical Advisor: NCTC	ECM: N132D6

Note: No new assignments of this NEC

IT-2755 AN/UYK-65 System Supervisor (SNAP I)

Monitors and perform all functions in the operation of the AN/UYK-65(V) computer system, Local Area Network (LAN) components, and workstations; optimize system resources for maximum system performance; initiates disaster backup and system restoration; monitors system console; affects job and scheduling for maximum throughput; implements and manages Automated Information System (AIS) security procedures; administers initial problem identification and corrective actions for the system., LAN components, and workstation.

Source Rating: IT	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E8
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 2756	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N6	Technical Advisor: NCTC	ECM: N132D6

NOTES:
1. Formal NEC retraining is mandatory prior to reporting to a SNAP I platform after an absence of 36 months or more from SNAP I operations.
2. Completion of SNAP I Operator Course and SNAP I System Supervisor Course is mandatory for personnel in paygrades E5-E8 who have not had an initial assignment aboard a SNAP I platform.

IT-2756 AN/UYK-65(V) System Operator (SNAP I)
Operates all functions of the Shipboard Non Tactical AN/UYK-65(V) systems, peripherals and Local Area Network components; monitors system console and prioritizes online system resources; initiates disaster backup procedures; conducts initial system and application program problem identification and corrective actions; carried out minor system preventive maintenance; maintains hardcopy historical files; provides user support to remote workstation.

Source Rating: IT	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N6	Technical Advisor: NCTC	ECM: N132D6

IT-2757 CV-ASWM Data Processing System Operator
Performs operator functions on operational computer program structures, identification of malfunction, and on/off-line system executions on the OL-318(V), UYA-21, U/CV-3820/UYQ-21 and AN/UYK-7(V) or AN/UYK-43 computer set associated with the CV-ASWM ADP system.

Source Rating: IT	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR: R-531-0394-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N6	Technical Advisor: NCTC	ECM: N132D6

IT-2776 Navy Commands and Control System (NCCS) Ashore System Manager
Performs system management functions for NCCS Ashore Systems. Monitors system performance. Performs database and maintenance functions. Resolves system problems associated with initialization, recovery and reconfiguration. Utilizes Navy tactical computers and peripherals. Versed in basic Unix and Oracle.

Source Rating: IT	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR: R-221-2305-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N6	Technical Advisor: SPAWAR	ECM: N132D6

Note: No new assignments of this NEC

IT-2777 Tactical Support Center (TSC) Data Processing System Operator
Performs data processing applications associated with ASWOC. Operates ASWOC Tape Operating System (ATOS), ES-901 computer, Navy Standard Tactical Computers (DTC-2, TAC-3/4) maintains tapes and prepares tape case presentation and inventory.

Source Rating: IT	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: J-531-0365	CDP: 2248
Sequence Code: 4	RBTR: R-531-0365-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CN0 N6	Technical Advisor: NCTC, SPAWAR	ECM: N132D6

NOTE: NECs ET-1633, OS-0331, AW-7825, and AW-7827 will be reviewed by N8 Resource Sponsors in FY 96 for deletion.

IT-2778 Mission Distribution System Operator

Performs all functions related to management of tactical databased used to support the Tomahawk route planning requirements of APS. Includes detailed operations related to controlling communications necessary for receipt and updating of required databases, and the transmission of approved Tomahawk missions developed or modified by the APS. Additionally, he/she will perform the database management and critical system administrator function for the Digital Imagery Workstation Suite Afloat (DIWSA) , Mission Distribution System (MDS) , TLAM Planning System Afloat (TPSA) , Precision Targeting Workstation (PTW) , and Strike Planning Archive (SPA) .

Source Rating: IT FC OS	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN: J-243-2952	CDP: 293R
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO869	Technical Advisor: NAVINT	ECM: N132D6

IT-2779 Information System Security Manager

Functions as the activity's accreditation action officer, focal point, and principal advisor for all command INFOSEC matters in compliance with governing directives and instructions. Analyze and evaluate system security technology, policy, and training requirements in support of National, DOD, and DON INFOSEC, polices. Implement DON risk management programs. Develop and maintain system accreditation and support documentation. Review and validate proposed system changes. Develop information systems contingency plans. Maintain activity INFOSEC plans. Develop system security plans.

Source Rating: CT, IT, or equivalent officer and civilian training	Billet Paygrades: E6-E8	Personnel Paygrades: E6-E8
Course: Course on line and mandatory.	CIN: A-531-0009	CDP: 313X
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC: 2735 or 2780 or 9302	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N6	Technical Advisor: NCTC	ECM: N132D6

IT-2780 Network Security Vulnerability Technician

Recognizes microcomputer operating systems (i.e. MS-DOS, Windows NT, UNIX, and Novell Netware) vulnerabilities and performs corrective actions to ensure maximum system availability. Assists the Information Systems Security Manager (ISSM) with the System Security Plan (SSP) and systems accreditation in accordance with IN-225. Uses commercial off the shelf software and operating system specific tools to perform virus protection and detection, system backups, data recovery, and auditing functions. Creates, configures, and maintains user and group accounts across multiple operating systems. Assesses protocol and proxy service vulnerabilities and their relation to firewalls. Develops and implements solutions, with regard to protocol and proxy service vulnerabilities, guarding against hostile attempts of compromise or inadvertent disclosure of sensitive material. Verifies and writes Access Control Lists (ACL) and programs screening routers.

Rating: CT, IT, ET (SS), FT, STS	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E8
Course: Course on line and mandatory	CIN: A-531-0022	CDP: 713X,588P,588N,5644, 6044,636G
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 2735 or 9302	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N6	Technical Advisor: NCTC	ECM: N132D6

IT-2781 Advanced Network Analyst

Manages network operating systems (i.e. Windows NT, UNIX, and Novell Netware) utilizing infrastructure (i.e. cabling, throughput, connectivity, I/O devices, and topologies). Possesses thorough knowledge of current technology and trends. Implements a variety of connectivity solutions including but not limited to RAS, T1/T3, ISDN, ATM, X.25. Implements a variety of protocols, services, and standards such as TCP/IP, IPX/SPX, NetBEUI stacks, Internet (http, ftp, telnet, smtp), and X.400/500. Designs hardware and software to work in concert taking into consideration compatibility, environmental constraints, growth potential, life cycle management, cost/performance analysis, and user feedback. Performs hardware and software installation and testing. Performs management and maintenance functions including inventory control of computer assets, software and configuration management, user training, and help desk management.

Source Rating: CT, ET(SS), FT, IT, STS	Billet Paygrades: E6-E8	Personnel Paygrades: E6-E9
Course: Course on line and mandatory	CIN: A-531-0045	CDP: 334B, 4333,3877,6042,6058,6252, 636F,634C
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 2735 or 9302	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N6	Technical Advisor: NCTC	ECM: N132D6

IT-2782 Defense Message System Administrator

Monitors and performs all operations of the Defense Message System automated communications suite. Responsibilities include backing up and restoring data, managing and updating directory information, monitoring equipment status on the Management Work Station, and updating servers with current user accounts. Administrators will be proficient in UNIX and Windows NT operating systems.

Source Rating: IT, CTO, CTM	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course on line and mandatory	CIN: A-260-0001	CDP: 332P
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC: 2735	Open to Women: Yes
Primary Advisor: CNO N6	Technical Advisor: NCTC	ECM: N132D6

NOTE: 1. Must have a minimum of one-year experience operating UNIX and windows NT System. 2. Lockheed Martin graduates must submit EPMAC 1221/2 to EPMAC (Code 49), via COMNAVCOMTELCOM (Code N12), with certificates documenting completion of Message Handling System (MHS), Operating System Administrator (OSA), Message Workstation (MWS), and Directory System Administrator (DSA) modules.

STOREKEEPER

SK-2813 Independent Duty Ashore Storekeeper
Performs coordination and oversight of all supply support procedures for attached units and personnel at Naval Reserve Centers, Navy Recruiting Districts, and other shore stations without a Supply Corps officer assigned. Establishes contracts for facility repairs, messing support, berthing arrangement, and procurement actions within Blanket Purchase Authority (BPA) guidelines. Manages real property use agreements and facilities inspection programs.

Source Rating: SK AK	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN: R-551-0010	CDP: 869D
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N41/869	Technical Advisor: NAVSUP	ECM: N132D15

SK-2814 SNAP II Supply and Financial Management (SFM) Storekeeper
Performs inventory and financial management functions in SNAP II ships. Performs preliminary analysis on stock reorders, historical demand listings and financial reports. Reviews and corrects SNAP II supply and financial transactions and financial reconciliation reports.

Source Rating: SK, AK	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-551-0093	CDP: 196J, 243N, 3288 370U, 574F, 3289
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N41/869	Technical Advisor: NAVSUP	ECM: N132D15

SK-2815 Independent Duty Afloat Storekeeper
Directs shipboard Supply Department activities without the direction of a Supply Corps officer. Performs complex and technical inventory and supply procedures involving the ordering, receiving and storing of ship's supplies and repair parts. Prepares and submits all required reports. Handles financial management functions including budget and attendant bookkeeping. Advises Commanding Officer on all supply matters.

Source Rating: SK	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR: R-551-0010-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N41/869	Technical Advisor: NAVSUP	ECM: N132D15

SK-2819 Personal Property Specialist
Performs duties in connection with the movement and storage of personal property. Reads and understands a military rate tender. Recognizes packaging, packing and storage discrepancies. Understands MIL-STD requirements. Is familiar with Joint Federal Travel Regulations, Personnel Property Traffic Regulations, and warehouse storage facilities.

Source Rating: SK	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN: A-553-0010	CDP: 593M
Sequence Code: 4	RBTR: R-553-0010-01	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N41/869	Technical Advisor: NAVSUP	ECM: N132D15

NOTE: NEC may also be earned upon completion of course 8B-F8(JT)-822-F8.

SK-2820 SNAP II Supply and Financial Management (SFM) Functional Area Supervisor
Performs duties as the senior enlisted manager for the SNAP II system. Performs inventory control, financial management and system management analysis. Establishes record controls for inventory and financial areas.

Source Rating: SK, AK
Course: Course Mandatory
Sequence Code: 2
Component NEC: 2814
Primary Advisor: N41/869

Billet Paygrades: E5-E9
CIN: A-551-0094
RBTR:
Related NEC:
Technical Advisor: NAVSUP

Personnel Paygrades: E5-E9
CDP: 363F, 004N, 437Y , 447K
NR Ind: R
Open to Women: Yes
ECM: N132D15

SK-2821 Air Transportation Specialist
Performs duties associated with the movement of passengers, air cargo packing, operations, documentation and selection. Performs aircraft load planning and the safe operation of material handling equipment.

Source Rating: SK ABE ABH ABF AK
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: N41/869

Billet Paygrades: E3-E7
CIN: A-822-0017
RBTR: R-822-0012-01, R-822-0012-02, R-822-0012-03
Related NEC:
Technical Advisor: NAVSUP, NAVAIR

Personnel Paygrades: E3-E7
CDP: 398U
NR Ind: R
Open to Women: Yes
ECM: N132D15

SK-2824 Supply and Accounting (SUADPS R/T) Technical Specialist
Performs SUADPS-RT system internal document identifier preparation, input/output audit and control, processing of inventory and financial management listings, maintenance of stock record/requisition files and matter validation tables. Prepares parameters for management report analysis.

Source Rating: SK AK
Course: Course Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: N41/869

Billet Paygrades: E5-E6
CIN: A-551-0085
RBTR:
Related NEC:
Technical Advisor: NAVSUP

Personnel Paygrades: E4-E6
CDP: 068F, 574E
NR Ind: R
Open to Women: Yes
ECM: N132D15

SK-2825 Supply and Accounting (SUADPS-R/T) Advanced Technical Specialist
Performs duties as the senior enlisted manager of the SUADPS-RT system. Analyzes and evaluates system inputs from subordinates and audits system coordinator outputs. Performs file analysis and document identifier production schedules. Establishes proper inventory and financial records controls.

Source Rating: SK AK
Course: Course Mandatory
Sequence Code: 2
Component NEC: 2824
Primary Advisor: N41/869

Billet Paygrades: E7-E9
CIN: A-551-0096
RBTR:
Related NEC:
Technical Advisor: NAVSUP

Personnel Paygrades: E6-E9
CDP: 9497 , 593L
NR Ind: A
Open to Women: Yes
ECM: N132D15

NOTES:
1. The requirement for Senior Chief and Master Chief Petty Officers ordered to SUADPS-RT billets to have previously held NEC SK-2824 may be waived by the gaining commanding officer.
2. First Class Petty Officers who hold NEC SK-2824 (Supply and Accounting (SUADPS-R/T) Technical Specialist) are eligible to attend the SUADPS-R/T Management Course at NSCS Athens.

DISBURSING CLERK

DK-2905 Disbursing Afloat Automated Systems Specialist
Directs and coordinates operations of afloat disbursing offices equipped with automated disbursing payroll and travel systems. Performs auditing of payroll entries, cash flow in Automatic Teller Machines (ATMs) and accurate settlement of PCS and TDY travel claims. Directs payroll services utilizing information obtained from the automated systems, proper training or procedures to operate systems and exercises financial controls with the Disbursing Officer to ensure proper monetary accountability is maintained. Supervises audits of automated system files, records, logs, and financial returns.

Source Rating: DK
Course: Course Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: NAVSUP OP33

Billet Paygrades: E5-E8
CIN: A-542-0015
RBTR: R-542-0015-01, R-542-0015-02
Related NEC:
Technical Advisor: NAVSUP

Personnel Paygrades: E5-E9
CDP: 574C, 150A,540H, 607E
NR Ind: R
Open to Women: Yes
ECM: N132D15

SHIP'S SERVICEMAN

SH-3111 Automated Afloat Sales and Service Manager

Directs and coordinates operations of those afloat sales and service activities using the automated Resale Operations Management (ROM) system. Performs inventory and financial management functions and manages all service activities in ROM configured ships. Directs merchandising efforts, financial controls, proper procedures for retail and service outlet management, and supervises audits of automated ship's store records, returns and related files and logs in ROM configured ships.

Source Rating: SH	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-823-0015	CDP: 4213, 574L,540R, 607F
Sequence Code: 3	RBTR: R-823-0015-01, R-823-0015-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: NAVSUP OP33	Technical Advisor: NAVSUP	ECM: N132D15

SH-3115 Resale Management Specialist

Petty Officer in Charge of Navy Resale Activities or Detachments or in key management positions in retail operations. Supervises pricing of goods, arranging of displays and maintenance of records. Determines and orders type and quantity of merchandise and equipment. Assists in hiring personnel.

Source Rating: SH	Billet Paygrades: E7-E9	Personnel Paygrades: E7-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: NAVSUP OP33	Technical Advisor: NEXCOM	ECM: N132D15

SH-3122 Barber

Cuts and trims hair and maintains equipment.

Source Rating: SH	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: A-840-0013	CDP: 325S, 574N ,5389, 5369, 538N, 6060
Sequence Code: 6	RBTR: R-840-0013-01 R-840-0013-02 R-840-0013-03	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: NAVSUP OP33	Technical Advisor: NEXCOM, NAVSEA	ECM: N132D15

SH-3154 Dry Cleaning Specialist

Coordinates the operation of afloat dry cleaning plants. Directs the application of proper sanitation procedures, workload scheduling, equipment operation, and maintenance, fabric care, and chemical handling and disposal procedures.

Source Rating: SH	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 7	RBTR: R-840-0010-01, R-840-0010-02	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: NAVSUP OP33	Technical Advisor: NEXCOM, NAVSEA	ECM: N13

JOURNALIST

JO-3221 Broadcast Operations Specialist

Researches, writes, produces and broadcasts command information, news, sports and entertainment for radio, television and shipboard SITE systems. Acts as researcher, writer, interviewer, announcer, director, programmer and electronic editor.

Source Rating: JO	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 5	RBTR: R-570-0010-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N09C	Technical Advisor: CHINFO	ECM: N132D10

NOTE: No new assignments of this NEC.

JO-3251 Broadcast Operations Director

Directs the operation of radio, television, satellite, cable, and shipboard SITE support systems as coordinated elements of the command information broadcasting function. Conducts research, plans programming, production, budgeting, training, and maintenance. Performs liaison with host and other tenant activities to provide broadcast command information service. Conducts initial negotiations for facility modifications and inter-service support agreements. Supervises Broadcast Operation Specialists, Broadcast Engineers, Videographers, Graphic Designers, Clerks and Logistic personnel.

Source Rating: JO IC	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN: S-570-0018	CDP: 961Y
Sequence Code: 3	RBTR: R-570-3251-01	NR Ind: R
Component NEC: 3221 or 4747	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N09C	Technical Advisor: CHINFO	ECM: N132D10

NOTES:
1. NEC may be earned by graduation from the Broadcast Managers Course at the Defense Information School (DINFOS) or upon completion of at least two previous management assignments with AFRTS activities. Non course graduates must submit a EPMAC 1221/2 to BUPERS (Pers 221L) via Chief of Information (CHINFO) with the following enclosures: Certified statements of AFRTS management assignments (LPO, SITE, Radio Program Director, TV Program Director, News Director, Operations Director, Chief Engineer); and a copy of enlisted performance evaluations for the past three years.
2. Component NEC 4747 is requirement for IC personnel only.

MISSILE TECHNICIANS

MT-3305-3319 Missile Technicians
Operate and perform organizational and/or intermediate level maintenance on POSEIDON or TRIDENT weapons systems, fire control subsystems, missile subsystems, launcher systems, and associated support and test equipment. Perform operational readiness tests of systems and adheres to safety precautions applicable to missile explosive devices, missile hydraulics and missile testing. Participate in missile handling evolutions.

MT-3305 Missile Technician (MK 88 MOD 2 Fire Control System with TRIDENT-I Backfit SSBN or MK 98 MOD 0 Fire Control System with TRIDENT-I SSBN)

Source Rating: MT	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: DIRSSPO	ECM: N132D9

MT-3307 Missile Technician (MK 98 MOD 1 Fire Control System with TRIDENT II D-5 SWS)

Source Rating: MT	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: DIRSSPO	ECM: N132D9

MT-3310 Missile Technician (TRIDENT I (C-4) SWS)

Source Rating: MT	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-121-0560	CDP: 261P
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: DIRSSPO	ECM: N132D9

MT-3311 Missile Technician (TRIDENT II (D-5) SWS)

Source Rating: MT	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-121-0563	CDP: 261T
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: DIRSSPO	ECM: N132D9

MT-3312 Missile Technician Trident II SWS D-5 BACKFIT
Operates and performs organizational and/or intermediate level maintenance on the TRIDENT II (D-5) Backfit weapons system, fire control subsystems, missile subsystems, launcher subsystems, and associated support and test equipment. Performs operational readiness test of systems and adheres to safety precautions applicable to missile explosive devices, missile hydraulics and missile testing. Participates in missile handling evolutions.

Rating: MT	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN:A-121-0079, A-121-0085	CDP: 4838,4928,4932

A-121-0086

Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: NO
Primary Advisor: CNO N779	Technical Advisor: DIRSSPO	ECM: N132D9

MT-3317 Missile Technician (TRIDENT-I SSBN)

Source Rating: MT	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: DIRSSPO	ECM: N132D9

MT-3319 Missile and Missile Checkout Technician (TRIDENT D-5 SWS SSBN)

Source Rating: MT	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: DIRSSPO	ECM: N132D9

MT-3320 Nuclear Weapons Specialist (NWS)

Performs depot level maintenance on nuclear weapons. Encompasses three critical nuclear ordnance skill areas, Vertical Missile Packaging Branch (VMPB) Mate/Demate Technician, Service Unit Technician and Limit Life Component Exchange (LLCE) Technician. The VMPB Mate/Demate and Service Unit Technician performs handling, mating/demating, packaging/unpackaging and inspections of Re-entry Bodies (REB's). The LLCE Technician performs REB handling, packaging/unpackaging, inspections testing, and maintenance and replacement of REB limited life components. These skills are not provided by any of the source rating skills.

Source Rating: MT	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: DIRSSPO	ECM: N132D9

ELECTRONICS TECHNICIAN

ET-3323-3336 Navigation Electronics Technicians

Operate and perform organizational and/or intermediate level maintenance on inertial navigation subsystem. Monitor equipment, identify faulty or erroneous operation and take immediate corrective action. Conduct casualty analysis to identify and isolate or replace faulty components.

ET-3323 Central Navigation Computer (CNC) Technician (CNC CP-890B on TRIDENT SSBN)

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-193-0308	CDP: 1758
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: DIRSSPO	ECM: N132D9

ET-3324 Ships Inertial Navigation System (SINS) Technician (SINS MK 2 MOD 3, 4, 6, 7)

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-193-0307	CDP: 1759
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: DIRSSPO	ECM: N132D9

ET-3327 Navigation AIDS (NAVAIDS) Technician (TRIDENT Navigation Subsystem)

Source Rating: ET	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-193-0309	CDP: 1757
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: DIRSSPO	ECM: N132D9

ET-3328 Navigation Electronics Technician
Operates and performs organizational and/or intermediate level maintenance on the TRIDENT II inertial navigation subsystem. Monitors equipment, identifies faulty or erroneous operations and takes immediate corrective action. Conducts casualty analysis to identify and isolate or replace faulty components.

Source Rating: ET	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: DIRSSPO	ECM: N132D9

MISSILE TECHNICIANS

MT-3349 Fleet Ballistic Missile Weapons and Navigation System Technician - Special Category
Performs duties as required in current duty assignment.

Source Rating: MT ET	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 6	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: DIRSSPO	ECM: N132D9

NOTE: This NEC is not used to identify personnel. Billets have been identified at selected activities which do not require specific SWS NECs but which do require personnel with SWS backgrounds in the rating indicated on the manpower authorization.

NUCLEAR PROPULSION PLANT OPERATOR/SUPERVISOR

3351 Submarine Nuclear Propulsion Plant Emergency Welder
Performs emergency weld repairs on propulsion plant piping and components.

Source Rating: MM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: A-701-0015	CDP: 1303
Sequence Code: 5	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

NOTE: NEC is assigned to personnel holding PNECs 3355, 3365 and 3359 only.

3353 Submarine Nuclear Propulsion Plant Operator - Reactor Control
Operates and performs organizational level maintenance on reactor control systems for submarine nuclear propulsion plants.

Source Rating: ET	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-661-0012	CDP: 1306, 203K
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 9901	Related NEC: 3383	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

3354 Submarine Nuclear Propulsion Plant Operator - Electrical
Operates and performs organizational level maintenance on electrical systems for submarine nuclear propulsion plants.

Source Rating: EM	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-661-0013	CDP: 1312, 203L
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 9901	Related NEC: 3384	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

3355 Submarine Nuclear Propulsion Plant Operator - Mechanical
Operates and performs organizational level maintenance on mechanical systems for submarine nuclear propulsion plants.

Source Rating: MM	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-661-0014	CDP: 1318, 203M

Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 9901	Related NEC: 3385	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

3356 Submarine Nuclear Propulsion Plant Operator - Engineering Laboratory Technician

Performs radiological controls and water chemistry control functions and associated analyses in addition to operating and performing organizational level maintenance on mechanical systems for submarine nuclear propulsion plants.

Source Rating: MM	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-661-0015	CDP: 1324, 203N
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 3355	Related NEC: 3385, 3386	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

3359 Submarine Nuclear Propulsion Plant Operator - Special Category

Submarine nuclear propulsion operator assigned to duties not associated with the supervision, operation or maintenance of naval nuclear propulsion plants.

Source Rating: MM ET EM	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 3353 or 3354 or 3355 or 3356 or 3363 or 3364 or 3365 or 3366	Related NEC: 3383, 3384, 3385, 3386, 3389, 3393, 3394, 3395, 3396	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

NOTE: Previously qualified for any 335X/336X NEC but not currently assigned to a nuclear propulsion plant billet associated with the supervision, operation, and maintenance of a nuclear propulsion plant. NEC assignment determined by Bureau of Naval Personnel (N13). NAVMILPERSCOM INSTRUCTION 1540.1 Series and OPNAVINST 1220.1 Series (NOTAL) apply.

3363-3366 Submarine Nuclear Propulsion Plant Supervisors

Fully qualified by virtue of seniority, experience and demonstrated proficiency (including specified watchstation qualification) to supervise the operation and maintenance of a submarine nuclear propulsion plant.

NOTE:

1. Assigned upon recommendation by the Commanding Officer to Petty Officers Second Class and above who have completed six or more years active naval service and are currently qualified the specified watchstations. For paygrade E-5, the Commanding Officer should ensure all military and professional requirements for advancement to E-6 are completed before forwarding recommendation. (Include watchstation qualification dates and completion of advancement requirements on EPMAC 1221/2.)
2. Members serving in senior nuclear billets (NEC 336X) at commands where the specified watchstations do not exist are considered to have satisfied the watch qualification criteria if they were previously qualified on the required watchstations. Personnel who are advanced to CPO while serving at these commands may continue to be eligible for NEC 336X based on previous attainment of watchstation qualification required for paygrade E-6. In all cases, previous watchstation qualification must be documented in the member's service record.
3. Members with NEC 336X who are transferred to a nuclear powered ship and assigned in a senior nuclear billet will retain NEC 336X for a maximum of six months. If the member has requalified on the applicable watchstations, NEC 336X may be retained. If the member has not requalified in six months, the Commanding Officer is directed to recommend a change in NEC 336X to 335X or removal of NEC as appropriate. (See OPNAVINST 1220.1 Series for guidance.)
4. First Class Petty Officers with NEC 336X attached to nuclear powered ships who are advanced to CPO will retain their NEC while completing qualification as Engineering Watch Supervisor. OPNAVINST 1220.1 Series (NOTAL) specifies time limits for attainment of required watchstation qualification.
5. Members with NEC 3359 who are scheduled to be transferred to a nuclear powered ship are screened by Bureau of Naval Personnel (N13) per NAVMILPERSCOM INSTRUCTION 1540.1 Series. Based upon this screening, NEC 335X or NEC 336X will be assigned. Bureau of Naval Personnel (N13) will specify requalification time limits for the individual by letter to his commanding officer. NAVMILPERSCOM INSTRUCTION 1540.1 Series and OPNAV INSTRUCTION 1220.1 Series (NOTAL) apply. Commanding Officers should recommend NEC change to 335X as a step toward possible NEC removal recommendation when personnel with 336X are delinquent in requalification. (See OPNAVINST 1220.1 Series of guidance.)
6. Commanding Officers shall recommend NEC 335X in the case of those members with NEC 336X who are unable to maintain the necessary proficiency and leadership skills for continued assignment in senior nuclear power supervisor positions but who are still considered satisfactory nuclear propulsion plant operators. Those personnel who are unable to regain the necessary proficiency and leadership skills for supervisory positions should be considered for removal of their nuclear operator NEC 335X. (See OPNAVINST 1220.1 Series of guidance.)
7. On each ship there may be a few, singularly outstanding individuals who have clearly demonstrated that they are able to be effective supervisors prior to having six years time in service. In order to recognize the exceptional performance of these individuals, Commanding Officers may recommend a waiver of the six year time in service requirement to a minimum of five years time in service for supervisory NEC (336X). This

recommendation will be on a case basis for those individuals who, in addition to meeting the requirements of paygrade, technical ability, and leadership, have qualified as Engineering Watch Supervisor (EWS). The waiver of the time in service requires the approval of the Bureau of Naval Personnel (N13).
8. Submit recommendations for change or removal of NECs for Enlisted Nuclear Propulsion Operators to the Bureau of Naval Personnel (N13) who will resolve the NEC change recommendation. (See OPNAVINST 1220.1 Series for additional guidance.)

3363 Submarine Nuclear Propulsion Plant Supervisor - Reactor Control

Source Rating: ET	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 3353	Related NEC: 3393	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

NOTE: Specified Watchstations are: E-5/6: Reactor Operator and Shutdown Reactor Operator; E-7/8/9: Engineering Watch Supervisor.

3364 Submarine Nuclear Propulsion Plant Supervisor - Electrical

Source Rating: EM	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 3354	Related NEC: 3394	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

NOTE: Specified Watchstations are: E-5/6: Electrical Operator and Shutdown Reactor Operator; E-7/8/9: Engineering Watch Supervisor.

3365 Submarine Nuclear Propulsion Plant Supervisor - Mechanical

Source Rating: MM	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 3355	Related NEC: 3395	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

NOTE: Specified Watchstations are; E-5/6: Engine Room Supervisor and Shutdown Roving Watch; E-7/8/9: Engineering Watch Supervisor.

3366 Submarine Nuclear Propulsion Plant Supervisor - Engineering Laboratory Technician

Source Rating: MM	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 3356	Related NEC: 3396	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

NOTE: Specified Watchstations are; E-5/6: Engineering Laboratory Technician, Engineroom Supervisor and Shutdown Roving Watch; E-7/8/9: Engineering Watch Supervisor

3373 Nuclear Propulsion Plant Maintenance Supervisor - Electronics
Supervises organizational and depot level maintenance on reactor control systems for Naval nuclear propulsion plants.

Source Rating: ET	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: F-191-0010	CDP: 050L, 031K, 042D, 355T, 1024
Sequence Code: 5	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769, N879	Technical Advisor: NAVSEA	ECM: N132D9

NOTE: ETs must be assigned a nuclear operator or supervisor NEC and must be a graduate of Electronics Technician Maintenance School (ETM) to qualify for this NEC.

3376 Nuclear Propulsion Plant Maintenance Supervisor - Radiological Controls
Supervises organizational and depot level radiological maintenance on Naval Nuclear Propulsion Plants and in nuclear capable repair activities.

Source Rating: MM ET EM	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: S-661-1030	CDP: 322J
Sequence Code: 5	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D9

NOTE: Must be assigned NEC 335X, 336X, 338X or 339X and must be a graduate of the Radiological Controls Maintenance Supervisor Course (RCMS) to qualify for this NEC.

3377 Nuclear Planner
Researches and writes IMA level nuclear repair procedures.

Source Rating: MM ET EM	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN: S-661-1022	CDP: 925Y
Sequence Code: 5	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

NOTES:
1. Must be assigned a 336X or 339X NEC and be a graduate of the IMA Nuclear Planner course.
2. Members assigned a 336X or 339X NEC and who are not an IMA Nuclear Planner course graduate may request assignment of NEC 3377 after completing 12 months OJT in the Nuclear Planning Division of Nuclear IMA.

3383-3389 Surface Ship Nuclear Propulsion Plant Operators

3383 Surface Ship Nuclear Propulsion Plant Operator - Reactor Control
Operates and performs organizational level maintenance on reactor control systems for surface ship nuclear propulsion plants.

Source Rating: ET	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-661-0012	CDP: 1306, 203K
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 9901	Related NEC: 3353	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N133D

3384 Surface Ship Nuclear Propulsion Plant Operator - Electrical
Operates and performs organizational level maintenance on electrical systems for surface ship nuclear propulsion plants.

Source Rating: EM	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-661-0013	CDP: 203L, 1312
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 9901	Related NEC: 3354	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N133D

3385 Surface Ship Nuclear Propulsion Plant Operator - Mechanical
Operates and performs organizational level maintenance on mechanical systems for surface ship nuclear propulsion plants.

Source Rating: MM	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-661-0014	CDP: 203M, 1318
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 9901	Related NEC: 3351, 3355	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N133D

3386 Surface Ship Nuclear Propulsion Plant Operator - Engineering Laboratory Technician
Performs radiological controls and water chemistry control functions and associated analysis in addition to operating and performing organization level maintenance on surface ship nuclear propulsion plants.

Source Rating: MM	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-661-0015	CDP: 203N, 1324
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 3385	Related NEC: 3356	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N133D

3389 Surface Ship Nuclear Propulsion Plant Operator - Special Category

Surface ship nuclear propulsion operator assigned to duties not associated with the supervision, operation, or maintenance of a naval nuclear propulsion plant.

Source Rating: EM ET MM	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 3383 or 3384 or 3385 or 3386 or 3393 or 3395 or 3396	Related NEC: 3351, 3353, 3354, 3355, 3356, 3359, 3363, 3364, 3365, 3366	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N133D

NOTE: Previously qualified for any 338X/339X NEC but not currently assigned to a nuclear propulsion plant billet associated with the supervision, operation and maintenance of a nuclear propulsion plant. NEC assignment is determined by the Bureau of Naval Personnel (Pers-241). NAVMILPERSCOMINST 1540.1 Series and OPNAVINST 1220.1 Series apply.

3393-3396 Surface Ship Nuclear Propulsion Plant Supervisors

Fully qualified by virtue of seniority, experience and demonstrated proficiency (including specified watchstation qualification) to supervise the operation and maintenance of surface ship nuclear propulsion plants.

NOTES:

1. Assigned upon recommendation by the Commanding Officer to Petty Officer Second Class and above who have completed six or more years active naval service and are currently qualified the specified watchstations. For paygrade E-5, the Commanding Officer should ensure all military and professional requirements for advancement to E-6 are completed before forwarding recommendation. (Include watchstation qualification dates and completion of advancement requirements on EPMAC 1221/2.)
2. Members serving in senior nuclear billets (NEC 339X) at commands where the specified watchstations do not exist are considered to have satisfied the watch qualification criteria if they were previously qualified on the required watchstations. Personnel who are advanced to CPO while serving at these commands may continue to be eligible for NEC 339X based on previous attainment of watchstation qualification required for paygrade E-6. In all cases, previous watchstation qualification must be documented in the member's service record.
3. Members with NEC 339X who are transferred to a nuclear powered ship and assigned in a senior nuclear billet will retain NEC 339X for a maximum of six months. If the member has requalified on the applicable watchstations NEC 339X may be retained. If the member has not requalified in six months, the Commanding Officer is directed to recommend a change in NEC 339X to 338X or removal of NEC as appropriate. (See OPNAVINST 1220.1 Series for guidance.)
4. First Class Petty Officers with NEC 339X attached to nuclear powered ships who are advanced to CPO will retain their NEC while completing qualification as Engineering Watch Supervisor or Propulsion Plant Watch Supervisor. OPNAVINST 1220.1A (NOTAL) specifies time limits for attainment of required watchstation qualification.
5. Members with NEC 3389 who are scheduled to be transferred to a nuclear powered ship are screened by Bureau of Naval Personnel (N13) per NAVMILPERSCOMINST 1540.1 Series. Based upon this screen, NEC 338X or NEC 339X will be assigned. Bureau of Naval Personnel (Pers-241) will specify requalification time limits for the individual by letter to his Commanding Officer. NAVMILPERSCOMINST 1540.1. Series and OPNAVINST 1220.1 Series (NOTAL) apply. Commanding officers should recommend NEC change to 338x as a step toward possible NEC removal recommendation when personnel with NEC 339X are delinquent in requalification. (See OPNAVINST 1220.1 Series for guidance.)
6. Commanding Officers shall recommend NEC 338X in the case of those members with NEC 339X who are unable to maintain the necessary proficiency and leadership skills for continued assignment in senior nuclear power supervisory positions but who are still considered satisfactory nuclear propulsion plant operators. Those personnel who are unable to regain the necessary proficiency and leadership skills for supervisory positions should be considered for removal of their nuclear operator NEC 338X. (See OPNAVINST 1220.1 Series for guidance.)
7. On each ship there may be a few, singularly outstanding individuals who have clearly demonstrated that they are able to be effective supervisors prior to having six years time in service. In order to recognize the exceptional performance of these individuals, Commanding Officers may recommend a waiver of the six year time in service requirement to a minimum of five years time in service for supervisory NEC (339X). This recommendation will be on a case basis for those individuals who, in addition to meeting the requirements of pay grade, technical ability and leadership have qualified as Engineering Watch Supervisor (EWS) or Propulsion Plant Watch Supervisor (PPWS). The waiver of the time in service requires the approval of the Bureau of Naval Personnel (N13).
8. Submit recommendation for change or removal of NECs for Enlisted Nuclear Propulsion Operators to the Bureau of Naval Personnel (N13) who will resolve the NEC change recommendation. (See OPNAVINST 1220 1 Series for additional guidance.)

3393 Surface Ship Nuclear Propulsion Plant Supervisor - Reactor Control

Source Rating: ET	Billet Pay Grades: E5-E9	Personnel Paygrades: E5-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 3383	Related NEC: 3363	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N133D

NOTE: Specified Watch stations are; E-5/6: Reactor Operator and Shutdown Reactor Operator; E-7/8/9: Engineering watch Supervisor or Propulsion Plant Watch Supervisor

3394 Surface Ship Nuclear Propulsion Plant Supervisor - Electrical

Source Rating: EM	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 3384	Related NEC: 3364	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N133D

NOTE: Specified watchstations are; E5/6: Electrical Operator and Shutdown Reactor Operator; E7/8/9: Engineering Watch Supervisor or Propulsion Plant Watch Supervisor.

3395 Surface Ship Nuclear Propulsion Plant Supervisor - Mechanical

Source Rating: MM	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 3385	Related NEC: 3365	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N133D

NOTE: Specified Watchstations are; E-5/6: Engineroom Supervisor and Shutdown Roving Watch on all CGNs except CGN-9. Engineroom Supervisor and Shutdown Roving Watch or Auxiliary Machinery Room Upper Level and Shutdown Roving Watch on CGN-9. Chief Reactor Watch and Shutdown Roving Watch or Chief Machinery Operator and Shutdown Roving Watch on CVNs; E-7/8/9: Engineering Watch Supervisor or Propulsion Plant Watch Supervisor.

3396 Surface Ship Nuclear Propulsion Plant Supervisor - Engineering Laboratory Technician

Source Rating: MM	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 3386	Related NEC: 3366	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N133D

NOTE: Specified watchstations are; E-5/6: Engineering Laboratory Technician and the following: Engineroom Supervisor and Shutdown Roving Watch on all CGNs except CGN-9. For CGN-9, Engineroom Supervisor or Auxiliary Machine Room Upper Level and Shutdown Roving Watch. Chief Reactor Watch or Chief Machinery Operator and Shutdown Roving Watch on all CVNs; E-7/8/9: Engineering Watch Supervisor or Propulsion Plant Supervisor.

3397 In-Tube Conversion Technician
Converts Trident I and II tactical Fleet Ballistic Missiles (FBM) to test configuration in support of the Director, Strategic Systems Program's Flight Test Program.

Source Rating: ET MT FT	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Factory Training	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC: 3307	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

MESS MANAGEMENT SPECIALIST

MS-3525 Private Mess Specialist
Performs and manages food service and quarters functions in private messes. Responsible for menus, food preparation, meal service, cleaning bills, and sanitation. Maintains accounting records and prepares mess bills.

Source Rating: MS	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: A-800-0031	CDP: 576M, 4919, 4924, 436P,538A
Sequence Code: 5	RBTR: R-800-0026-01 R-800-0026-02 R-800-0026-03	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: NAVSUP OP33	Technical Advisor: NAVFSSO	ECM: N132D15

MS-3527 Culinary Specialist
Performs and manages food service functions in general messes afloat and ashore. Plans menus, adjusts recipes, prepares foods, and operates serving lines. Operates and manages food service equipment. Responsible for sanitation and customer service. Specializes in food service support in general messes afloat and ashore. Responsible for mess financial management and internal control records

Source Rating: MS	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: A-800-0030	CDP: 576L, 435D,4763,4918,534R, 628E
Sequence Code: 5	RBTR: R-800-0028-01 R-800-0028-02 R-800-0028-03 R-800-0028-04	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: NAVSUP OP33	Technical Advisor: NAVFSSO	ECM: N132D15

MS-3529 Wardroom/Galley Supervisor
Manages, supervises, directs, coordinates, and controls all functions of a wardroom/galley to achieve sustained excellence in all aspects of the food service operation.

Source Rating: MS	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN: A-800-0015	CDP: 343T , 574G, 607J
Sequence Code: 3	RBTR: R-800-0015-01, R-800-0015-03 R-800-0015-04	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: NAVSUP OP33	Technical Advisor: NAVFSSO	ECM: N132D15

MS-3530 Enlisted Aide Specialist
Responsible for public quarters and flag mess operations. Prepares meals, coordinates quarters maintenance and performs official function planning duties. Adheres to protocol, etiquette and quarters security requirements.

Source Rating: MS	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Pending	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: NAVSUP O5	Technical Advisor: NAVSUP 05	ECM: N132D15

MS-3538 Bachelor Quarter Specialist
Performs duties as senior manager at bachelor quarters facilities. Supervises designation of permanent party/transient spaces, assignments, and enforcement of maintenance and daily living standards. Maintains administrative liaison with appropriate public work supervisors and other command offices as necessary. Compiles BQ reports. Supervises budget planning and accounting processes for BQ operations. Reviews for accuracy Bachelor Personnel Housing Assets Report (R-21) and provides input to Final Determination of Bachelor Housing Requirements (R-19).

Source Rating: MS SH	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN: A-800-0032	CDP: 0382
Sequence Code: 3	RBTR: R-800-0015-04, R-800-0021-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: NAVSUP OP33	Technical Advisor: NAVFAC(54)	ECM: N132D15

LITHOGRAPHER

LI-3601 Lithographic Equipment Repairman
Performs preventive and corrective maintenance on major items of lithographic equipment including offset presses, duplicators, film process cameras, and bindery equipment.

Source Rating: LI	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E6
Course: Course Mandatory	CIN: A-740-0026	CDP: 192S
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: NAVSUP N4	Technical Advisor: Defense Printing Service	ECM: N132D15

NOTE: NEC may be awarded upon successful completion of DOD 690-620

MUSICIAN

MU-3801-3815 Instrumentalists

Perform on major and/or minor instruments as members of authorized Navy bands. Maintain, regulate and make minor repairs to instruments played.

NOTES:

1. Must meet instrumental audition requirements for graduation from applicable course.
2. Saxophone instrumentalist are required to minor on either Flute or Clarinet. Flute/Piccolo, Oboe, Clarinet and Bassoon instrumentalists are required to minor on Saxophone.

MU-3801 Flute/Piccolo Instrumentalist

Source Rating: MU	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-450-0010	CDP: 6065
Sequence Code: 7	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: PERS-64	Technical Advisor: PERS-64	ECM: N132D7

MU-3802 Oboe Instrumentalist

Source Rating: MU	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-450-0010	CDP: 6065
Sequence Code: 7	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: PERS-64	Technical Advisor: PERS-64	ECM: N132D7

MU-3803 Clarinet Instrumentalist

Source Rating: MU	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-450-0010	CDP: 6065
Sequence Code: 7	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: PERS-64	Technical Advisor: PERS-64	ECM: N132D7

MU-3804 Bassoon Instrumentalist

Source Rating: MU	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-450-0010	CDP: 6065
Sequence Code: 7	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: PERS-64	Technical Advisor: PERS-64	ECM: N132D7

MU-3805 Saxophone Instrumentalist

Source Rating: MU	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-450-0010	CDP: 6065
Sequence Code: 7	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: PERS-64	Technical Advisor: PERS-64	ECM: N132D7

MU-3806 Trumpet/Cornet Instrumentalist

Source Rating: MU	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-450-0010	CDP: 6065
Sequence Code: 7	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: PERS-64	Technical Advisor: PERS-64	ECM: N132D7

MU-3807 French Horn Instrumentalist

Source Rating: MU	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-450-0010	CDP: 6065
Sequence Code: 7	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes

Primary Advisor: PERS-64 Technical Advisor: PERS-64 ECM: N132D7

MU-3808 Baritone/Euphonium Instrumentalist

Source Rating: MU Billet Paygrades: E3-E8 Personnel Paygrades: E3-E9
Course: Course Mandatory CIN: A-450-0010 CDP: 6065
Sequence Code: 7 RBTR: NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: PERS-64 Technical Advisor: PERS-64 ECM: N132D7

MU-3809 Trombone Instrumentalist

Source Rating: MU Billet Paygrades: E3-E8 Personnel Paygrades: E3-E9
Course: Course Mandatory CIN: A-450-0010 CDP: 6065
Sequence Code: 7 RBTR: NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: PERS-64 Technical Advisor: PERS-64 ECM: N132D7

MU-3811 Tuba Instrumentalist

Source Rating: MU Billet Paygrades: E3-E8 Personnel Paygrades: E3-E9
Course: Course Mandatory CIN: A-450-0010 CDP: 6065
Sequence Code: 7 RBTR: NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: PERS-64 Technical Advisor: PERS-64 ECM: N132D7

MU-3812 Guitar/Auxiliary Percussionist

Source Rating: MU Billet Paygrades: E3-E7 Personnel Paygrades: E3-E9
Course: Course Mandatory CIN: A-450-0010 CDP: 6065
Sequence Code: 7 RBTR: NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: PERS-64 Technical Advisor: PERS-64 ECM: N132D7

MU-3813 Percussion Instrumentalist

Source Rating: MU Billet Paygrades: E3-E9 Personnel Paygrades: E3-E9
Course: Course Mandatory CIN: A-450-0010 CDP: 6065
Sequence Code: 7 RBTR: NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: PERS-64 Technical Advisor: PERS-64 ECM: N132D7

MU-3814 Piano/Auxiliary Percussionist

Source Rating: MU Billet Paygrades: E3-E8 Personnel Paygrades: E3-E9
Course: Course Mandatory CIN: A-450-0010 CDP: 6065
Sequence Code: 7 RBTR: NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: PERS-64 Technical Advisor: PERS-64 ECM: N132D7

MU-3815 Electric Bass/String Bass Instrumentalist

Source Rating: MU Billet Paygrades: E3-E8 Personnel Paygrades: E3-E8
Course: Course Mandatory CIN: A-450-0010 CDP: 6065
Sequence Code: 7 RBTR: NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: PERS-64 Technical Advisor: PERS-64 ECM: N132D7

MU-3825 Vocalist/Auxiliary Percussionist
Performs as a vocalist member of an authorized Navy band.

Source Rating: MU Billet Paygrades: E3-E8 Personnel Paygrades: E3-E9
Course: Course Mandatory CIN: A-450-0010 CDP: 6065

Sequence Code: 7	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: PERS-64	Technical Advisor: PERS-64	ECM: N13D7

NOTE: Must meet vocal audition requirements for graduation from applicable course and possess the necessary vocal musicianship and showmanship to perform equally well in show, dance and current rock music.

MU-3851 Assistant Director

Performs duties as Assistant Director, Command Master Chief/Senior Enlisted Advisor or Director of an official Navy Band or Navy Music Program activity or unit afloat or ashore. Supervises the performance of assigned personnel and directs the daily operation and management of fleet activities. Functions as the de facto assistant officer in charge of assigned personnel. Also serves in special-duty assignment billets as directed.

Source Rating: MU	Billet Paygrades: E7-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN: A-450-0014	CDP: 471P
Sequence Code: 7	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: PERS-64	Technical Advisor: PERS-64	ECM: N132D7

MU-3852 Arranger

Performs duties as musical arranger for Navy Music Program activities fleetwide. Develops and writes musical scores/arrangements to meet the performance requirements of official Navy bands.

Source Rating: MU	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-450-0017	CDP: 3029
Sequence Code: 7	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: PERS-64	Technical Advisor: PERS-64	ECM: N132D7

NOTE: Personnel must hold one of the following NECs prior to award of this NEC: 3801/3802/3803/3804/3805/3806/3807/3808/3809/3811/3812/3813/3814/3815/3825.

MU-3853 Unit Leader

Performs duties as unit leader for Navy Music Program activities and musical units. Directs, leads, and instructs musical ensembles in performance.

Source Rating: MU	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-450-0012	CDP: 3250
Sequence Code: 7	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: PERS-64	Technical Advisor: PERS-64	ECM: N132D7

NOTE: Personnel must hold one of the following NECs prior to award of this NEC: 3801/3802/3803/3804/3805/3806/3807/3808/3809/3811/3812/3813/3814/3815/3825.

MU-3854 Ceremonial Conductor-Drum Major

Performs duties as ceremonial conductor and drum major for Navy Music Program activities and musical units. Conducts and directs the musical and military performance of ceremonial units and parade bands.

Source Rating: MU	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-450-0016	CDP: 302A
Sequence Code: 7	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: PERS-64	Technical Advisor: PERS-64	ECM: N132D7

NOTE: Personnel must hold one of the following NECs prior to award of this NEC: 3801/3802/3803/3804/3805/3806/3807/3808/3809/3811/3812/3813/3814/3815/3825.

INTELLIGENCE SPECIALIST

IS-3905 Shipboard Intelligence Analyst

Serves as the intelligence representative aboard surface ships without an assigned intelligence officer or serves as an assistant to intelligence officers assigned to afloat staffs or selected shore commands. Performs analytical and functional computations, all source contact analysis, correlation, and sanitization in support of C4I integration for commanding officers and afloat staffs. On ships, generates reports on handheld and airborne surveillance photography. Coordinates ship's intelligence training program. Maintains a complete and current intelligence publications library.

Manages ship's intelligence collection program. On both ships and staffs, performs evaluations and briefs of the current or projected threat within the operational environment. Senior personnel detailed to operational afloat and ashore staffs provide intelligence assistance, training and inspections services to operational forces and component units.

Source Rating: IS	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: J-243-0969	CDP: 0105, 165X
Sequence Code: 3	RBTR: R-243-0969-01, R-243-0969-03	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: CNO N2M	ECM: N132D17

IS-3910 Naval Imagery Interpreter

Interprets all-source imagery, uses a light table to interpret imagery, operates digital imagery systems, identifies and measures objects of intelligence interest found in imagery, prepares imagery interpretation reports, and maintains files related to imagery interpretation.

Source Rating: IS	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN: J-242-0993	CDP: 164P
Sequence Code: 4	RBTR: R-242-0993-01, R-242-0993-02 R-242-0993-03, R-242-0993-04 R-242-0993-05, R-242-0993-06	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: CNO N2M	ECM: N132D17

NOTES:

1. NEC can be awarded to SELRES personnel who have completed specified training or who have completed a combination of training and specified experience as indicated below :
   a. USAF Course X3ABR20630-001, X3ABR20630-002, X3ABR20630-003, R-242-0011-01 or R242-0011-02 Goodfellow AFB, TX.
   b. U.S Army Course 242-96D10 (AIT), Ft Hauchuca, AZ.

2.Other documented imagery interpretation training received from a secondary school, university , or commercial course of instruction may qualify for NEC 3910 when coupled with extensive experience as outlined below.
   a. At least one tour of duty as an imagery interpreter while on active duty.
   b. At least one year of civilian employment as an imagery interpreter.
   c. At least 200 workdays of Active Duty for Training (ACDUTRA) and weekend drills where the primary duty was imagery interpretation

3. No new assignment of this NEC to E4 personnel. E4 Personnel who currently hold this NEC may retain their NEC

IS-3912 Naval Special Warfare (NSW) Intelligence Specialist

Provides comprehensive intelligence support to NSW operations. Performs analytical assessment and all-source intelligence analysis. Conducts joint Special Operations Forces (SOF) mission planning and analysis using standardized procedures in support of SOF. Identifies detection and destructive threats to NSW forces/platforms performing mission functions. Operates NSW Special Operations Command (SOCOM) joint intelligence equipment and applicable software systems.

Source Rating: IS	Billet Paygrades: E5-E8	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: A-243-0012	CDP: 181Y
Sequence Code: 5	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: CNO N2M SPECWAR	ECM: N132D17

NOTE: No new assignment of this NEC to E3 personnel. E3 personnel who currently hold this NEC may retain their NEC.

IS-3923 Strike Planning Applications

Conduct afloat tactical and operational level research, analysis and dissemination in support of power projection operations. Fuse multi-source data into textual and graphical presentations of the battlefield and operational area to support power projection planning. Provide integrated operational and environmental intelligence information to strike planners. Provide target intelligence to tactical mission planners and maintain tactical level targeting folders.

Source Rating: IS	Billet Paygrades: E5-E6	Personnel Paygrades: E4-E6
Course: Course Mandatory	CIN: J-150-0987	CDP: 851Z
Sequence Code: 4	RBTR: R-150-0987-01, R-150-0987-02	NR Ind: R
Component NEC :	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: CNO N2M	ECM: N132D17

NOTE: No new assignment of this NEC to E3 personnel. E3 personnel who currently hold this NEC may retain their NEC.

IS-3924 Operational Intelligence (OPINTEL) Analyst

Fuses Electronic Intelligence (ELINT) and other SCI inputs into the general service (GENSER) to provide an integrated all source C41 picture using the Tactical Command System (TCS). Provides sanitized information to the GENSERC41 picture using the TCS. Operates Tactical Receive Equipment (TRE) and TCS systems. Performs GCCS-M operations, ELINT fundamentals and C41 concepts including OTH-T principles and communications connectivity at an SCI level

Source Rating: IS	Billet Paygrades: E5-E6	Personnel Paygrades: E4-E6
Course: Course Mandatory	CIN: J-150-0962	CDP: 3687, 422X
Sequence Code: 4	RBTR: R-150-0962-03, R-150-2956-01 R-150-2956-02, R-150-0962-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: CNO N2M	ECM: N132D17

NOTE: No new assignment of this NEC to E3 personnel. E3 personnel who currently hold this NEC may retain their NEC.

IS-3925 Digital Imagery Workstation Suite Afloat (DIWSA) Operator/Analyst

Produces imagery based products for use by the Tomahawk Land Attack Missile (TLAM) Afloat Planning System (APS) A/N SWQ-1(V) to support the Battle Force/Battle Group (BF/BG) in TLAM route planning and missile navigation updates and the softcopy image processing and exploitation functions for the Joint Service Imagery Processing System-Navy (JSIPS-N). Processes digital imagery data to produce Digital Scene Matching Area Correlator (DSMAC) maps and other terminal area products needed for cruise missile mission planning. Performs real-time screening of softcopy imagery received from national sources via the National Input Segment (NIS) and from reconnaissance vehicles via the Navy Tactical Input Segment (N-TIS) and the rapid extraction and reporting of intelligence from national and tactical imagery in support of intelligence analysts, Tactical Air (TACAIR) and TLAM strike planners, and special operations forces.

Source Rating: IS	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: J-243-2953	CDP: 293S
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: CNO N2M	ECM: N132D17

IS-3926 Joint Service Imagery Processing System - Navy (JSIPS-N) Dissemination Manager

Performs soft copy imagery dissemination, processing, and exploitation tasks using elements of the Joint Service Imagery Processing System-Navy (JSIPS-N) AN/SYQ-23. The Dissemination Manager will utilize the JSIPS-N equipment installed in the shipboard intelligence and mission planning spaces to optimize the National Input Segment (NIS) target database.

Source Rating: IS CTO IT	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: A-150-2973	CDP: 4744
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: CNO N2M	ECM: N132D17

NOTE: No new assignment of this NEC to E3 personnel. E3 personnel who currently hold this NEC may retain their NEC.

GAS TURBINE SYSTEMS TECHNICIAN

GS-4123 DD-963/DDG-993/CG-47 Gas Turbine Electrical Maintenance Technician

Operates and performs advanced organizational and/or intermediate maintenance to the component level on DD-963, DDG-993, and CG-47 class gas turbine main propulsion and electric generating plants control systems.

Source Rating: GSE GS	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-652-0350	CDP: 714G
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

GS-4124 DD-963/DDG-993/CG-47 and DDG-51 Gas Turbine Mechanical Maintenance Technician

Operates and performs advanced organizational and/or intermediate maintenance to the component level on DD-963, DDG-993, CG-47, and DDG-51 gas turbine main propulsion and electric generating plants, mechanical systems, and auxiliary support systems.

Source Rating: GSM GS	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-652-0354	CDP: 714L
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes

Primary Advisor: CNO N769 Technical Advisor: NAVSEA ECM: N13 2D3

GS-4125 DDG-51/AOE-6 Gas Turbine Electrical Maintenance Technician
Operates and performs advanced organizational and/or intermediate maintenance to the component level on DDG-51 and AOE-6 gas turbine main propulsion and electric generating plant control systems.

Source Rating: GSE GS	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-652-0352	CDP: 714J
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

GS-4126 AOE-6 Gas Turbine Mechanical Maintenance Technician
Operates and performs advanced organizational and/or intermediate maintenance to the component level on AOE-6 gas turbine main propulsion and electric generating plants mechanical system and auxiliary support systems.

Source Rating: GSM GS	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-652-0355	CDP: 714M
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

GS-4128 FFG-7 Gas Turbine Mechanical Maintenance Technician
Operates and performs advanced organizational and/or intermediate maintenance to the component level on FFG-7 gas turbine main propulsion plant mechanical systems and auxiliary support systems.

Source Rating: GSM GS	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-652-0353	CDP: 714K
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

NOTES:
1. Personnel holding GS-4124 Gas Turbine Mechanical Technician assigned to an FFG that have a minimum of twelve (12) months FFG platform experience and have Commanding Officer's recommendation are eligible to apply for NEC GS-4128. Submit 1221/2 to EPMAC (Code 49).
2. Personnel successfully completing Gas Turbine (FFG) Console Operating Training (CDP: 005C; CIN: A-652-0336) and GSM Mechanical Maintenance (CDP: 173P; CIN: A-652-0303) course of instruction are eligible to apply for NEC GS-4128. Submit 1221/2 to EPMAC Code 49.

GS-4129 FFG-7 Gas Turbine Electrical Maintenance Technician
Operates and performs advanced organizational and/or intermediate maintenance to the component level on FFG-7 gas turbine main propulsion plant control systems.

Source Rating: GS GSE	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-652-0351	CDP: 714H
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

GS-4131 LCAC Craft Engineer/Assistant Operator
Operates the Landing Craft, Air Cushion (LCAC) vehicle engineering plant (propulsion, lift, and control systems) in amphibious assault and training operations. Performs systems diagnostics, troubleshooting, and limited engineering systems repair during operations. Operates the LCAC when the Craftmaster (NEC BM-0167) is incapacitated.

Source Rating: GSE GSM EN MM	Billet Paygrades: E6-E7	Personnel Paygrades: E6-E7
Course: Course Mandatory	CIN: K-652-0312	CDP: 0622, 424J
Sequence Code: 5	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

NOTES:
1. A minimum ASVAB Score of AR+MK+EI+GS = 204 is required for entry into the training courses. Interested candidates who meet the requisite ASVAB score should contact their detailer for nomination to the LCAC program. Pers-409 (Special Programs) will coordinate assignment with the appropriate detailer.

2. NEC candidates must be physically qualified for special duty in accordance with the Manual of the Medical Department (NAVMED P117).
3. NEC candidates must be qualified as a second class swimmer in accordance with NAVPERS 15560C.

GS-4133 LCAC Mechanical Systems maintenance Technician
Performs organizational and intermediate level maintenance on LCAC propulsion and lift systems.

Source Rating: GS GSM GSE	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: K-652-0314	CDP: 0609
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

GS-4135 LCAC Electrical Systems Maintenance Technician
Performs organizational and intermediate level maintenance on LCAC craft control systems.

Source Rating: GS GSE EM IC	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: K-652-0315	CDP: 0610
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

GS-4136 Marine Gas Turbine Inspector
Performs periodic borescope inspections, mechanical grooms, and gas turbine bulletin inspections. Provides troubleshooting and on-the-job training, oversees intermediate maintenance level repairs, and assists in calibration. Makes engine change-out recommendations and oversees gas turbine change installations. Ensures accuracy of engine logbook entries.

Source Rating: GS GSM GSE	Billet Paygrades: E7-E9	Personnel Paygrades: E7-E9
Course: Course Mandatory	CIN: A-652-0506	CDP: 205M, 2060
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

NOTE: Personnel qualified per OPNAVINST 9234.1 and NAVSEA ltr 9234 OPR:56X32 Ser 56X3/366 of 16 Sep 91. Submit EPMAC 1221/2 to EPMAC (Code 49) via NAVSEA (03X32).

MACHINIST'S MATE

GS-4140 Battle Force Intermediate Maintenance Activity (BFIMA) Gas Turbine Repair
Performs intermediate-level repair of marine gas turbine engines in support of BFIMA requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet-specified Job Qualification Requirements (JQRs) for this skill and demonstration of advanced-level proficiency during hands-on training and production work (see www.jqr.navy.mil for current JQR). Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Source Rating: GSM	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC: 4124 or 4126 or 4128	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

GSE -4141 CG Smart Ship Engineering Control System Equipment (ECSE) Operator and Maintenance Technician
Operates and performs preventive and corrective maintenance and all authorized fault isolation and repair procedures on the Engineering Control System Equipment (ESCE).

Source Rating: GSE, GS	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Pending	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC: 4123	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

MM-4201 Cryogenics Technician, Overseas Shore Based Equipment Operator/Maintainer

Operates, tests, inspects, and performs organizational and intermediate level maintenance on shore based (overseas) high and low pressure liquid oxygen and nitrogen generating plants in the manufacture of liquid oxygen and liquid nitrogen. Tests liquid oxygen and liquid nitrogen for purity and acetylene contamination. Performs required checks on O2/N2 compressed gas cylinders both prior to and after charging them to proper pressure. Operates and maintains mechanical refrigeration systems, reciprocating high pressure and centrifugal low pressure air compressors, cryo generators, vacuum pumps, and gaseous distribution systems. Detects, analyzes and corrects abnormal situations which may arise during operation of liquid oxygen/nitrogen generating plants.

Source Rating: MM	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: M-750-9901	CDP: 215Z
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

MM-4204 Steam Propulsion Maintenance Supervisor

Supervises organizational level maintenance and conducts onboard maintenance training on conventional propulsion boilers, steam propulsion engines, forced draft blowers, associated machinery, ship service turbine generators (SSTG), steam plant controls/regulating components (less automatic boiler controls), supporting auxiliary equipment, valves and piping systems. Conducts equipment material inspections, identifies abnormal equipment conditions and initiates corrective action. Maintains a current inventory of all required maintenance/repair records, technical documentation, special tools and repair equipment.

Source Rating: MM	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-651-0063	CDP: 047N, 036Y
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

NOTE: Personnel holding NEC MM-4505 and have Commanding Officer's endorsement are eligible to apply for MM-4204. Submit 1221/2 to EPMAC (Code 49).

MM-4206 Shipboard Engineering Plant Program Manager

Administers, manages and evaluates shipboard engineering programs. Recognizes engineering systems and major components external to the propulsion plant which comes under the cognizance of the Engineering Officer of the Watch (EOOW). Evaluates operating conditions and makes recommendations to the engineering officer.

Source Rating: MM EM EN IC GSE GSM GS		
	Billet Paygrades: E7-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN: A-651-0110	CDP: 169V, 169W, 169X
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

MM-4208 Automated Electrolytic Oxygen Generator (AEOG) Maintenance Technician

Operates the Automated Electrolytic Oxygen Generator on board submarines.

Source Rating: MM, EM, ET	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E9
Course: Pending	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind : A
Component NEC:	Related NEC: 4252	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D3

MM-4222 Battle Force Intermediate Maintenance Activity (BFIMA) Pump Repair

Performs intermediate-level maintenance procedures inspecting and repairing marine main propulsion and auxiliary pumps and associated equipment in support of BFIMA requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet-specified Job Qualification Requirements (JQRs) for this skill and demonstration of advanced-level proficiency during hands-on training and production work (see www.jqr.navy.mil for current JQR). Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Source Rating: MM EN GSM	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC: 4128, 4204, 4366	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

MM-4223 Battle Force Intermediate Maintenance Activity (BFIMA) Air Conditioner and Refrigeration

Performs intermediate-level support procedures including inspecting, troubleshooting, and repairing A/C systems and compressors in support of BFIMA requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet-specified Job Qualification Requirements (JQRs) for this skill and demonstration of advanced-level proficiency during hands-on training and production work (see www.jqr.navy.mil for current JQR). Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Rating: MM EN	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC: 4291	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

MM-4225 Battle Force Intermediate maintenance Activity (BFIMA) Boiler Repair Technician

Performs intermediate-level maintenance procedures on marine propulsion boilers, auxiliary, and waste heat boilers in support of BFIMA requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award
of this NEC is based on documented completion of Fleet-specified Job Qualification Requirements (JQRs) for this skill and demonstration of advanced-level proficiency during hands-on training and production work (see www.jqr.navy.mil for current JQR). Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Rating: MM EN GSM	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC: 4382 4398 4204 4502 4513 4533	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

MM-4226 Battle Force Intermediate Maintenance Activity (BFIMA) Boiler ACC Technician

Performs intermediate-level maintenance procedures on marine propulsion boilers, automatic combustion control and feedwater control systems in support of BFIMA requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet-specified Job Qualification Requirements (JQRs) for this skill and demonstration of advanced-level proficiency during hands-on training and production work (see www.jqr.navy.mil for current JQR). Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Rating: MM	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 4513	Related NEC: 4502 4533	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

MM-4230 SSN/SSBN Auxiliary Equipment Operator

Operates submarine hydraulic power plants, hoists and cylinders, oxygen generators, atmosphere control equipment, emergency diesel engine pressurized air systems and potable water systems.

Source Rating: MM	Billet Paygrades: E3-E5	Personnel Paygrades: E3-E5
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

MM-4231 SSN/SSBN Auxiliary Equipment Technician

Operates, maintains and repairs submarine hydraulic power plants, hoists and cylinders, atmosphere control equipment, emergency diesel engine pressurized air systems and potable water systems.

Source Rating: MM	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-652-0043	CDP: 0245, 0244, 3211
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

MM-4232 SSN/SSBN Weapons Equipment Operator
Operates submarine underwater launch systems. They are responsible for safe loading, unloading, shipping and storage of these Weapons.

Source Rating: MM	Billet Paygrades: E3-E5	Personnel Paygrades: E3-E5
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

MM-4233 SSN/SSBN Weapons Equipment Technician
Operates, maintains and repairs submarine underwater launch systems. They are responsible for safe loading, unloading, shipping and storage of these weapons.

Source Rating: MM	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-123-0204	CDP: 6658
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 4232	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

MM-4235 SSN 751-773 Submarine Vertical Launch System Tube Maintenance Technician
Possesses knowledge and skills required to operate, and perform preventive maintenance and basic corrective maintenance on submarine vertical launch tube components unique to SSN 751-773 class ships.

Source Rating: MM FT	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-123-0207	CDP: 2354, 1238
Sequence Code: 2	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

MM-4246 SSN/SSBN Diesel Engine (Fairbanks-Morse) Maintenance Technician
Performs preventive, organizational and/or intermediate level maintenance on submarine diesel engines and components including pumps, blowers, governors, injectors, cylinders, liners, pistons, connection rods, bearings, crankshaft, vertical drive assembly, lubrication oil, fuel oil, scavenging air, exhaust, starting air, and cooling water systems. Takes readings and makes adjustments required for the proper operation and repair of the engines. Performs shipboard duties required for lube oil, trend and water analysis.

Source Rating: MM	Billet Paygrades: E5-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-652-0150	CDP: 044W, 050V, 354X, 5501, 8126
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D9

MM-4252 Electrolytic Oxygen Generator (Model 6L16) Operator
Operates Model 6L16 Electrolytic Oxygen Generator.

Source Rating: MM EM IC	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-652-0050	CDP: 5224, 4812, 015K, 044Y, 354M, 170G
Sequence Code: 5	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D3

MM-4254 Oxygen Plant Operator/Maintenance Technician
Functions as watchstander on the Electrolytic Oxygen Generator for Seawolf. Identifies abnormal conditions in operation of the plant that may lead to emergency and/or casualty and initiates corrective or emergency procedures.

Source Rating: MM	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E6
Course: Course Pending	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind: N
Component NEC:	Related NEC: 4252	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D3

MM-4283 High and Low Pressure Cryogenic Technician

Operates, tests, inspects, and performs organizational and intermediate level maintenance on high and low pressure liquid oxygen and nitrogen generating plants. Tests liquid oxygen and liquid nitrogen for purity and acetylene contamination. Performs required checks on O2N2 compressed gas cylinders prior to and after charging them to the proper pressure. Manufactures liquid oxygen and liquid nitrogen by operating liquid oxygen and nitrogen generating plants to achieve capacity production under various climatic conditions. Operates and maintains mechanical refrigeration systems, reciprocating high pressure and centrifugal low pressure air compressors, cryogenerators, vacuum pumps, and gaseous distribution systems. Detects, analyzes, and corrects abnormal situations which may arise during the operation of liquid oxygen/nitrogen generating plants and associated equipment as prescribed on PMS maintenance requirement cards and applicable instructions. Documents corrective maintenance on relevant MDCS forms. Type II or Universal certification in accordance with EPA mandate is required.

Source Rating: MM	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: J-750-0015	CDP: 809U
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769, N879, N889	Technical Advisor: NAVSEA, NAVAIR	ECM: N132D3

MM-4291 Refrigeration and Air Conditioning Systems Technician

Starts, operates, performs organizational and/or intermediate level maintenance and overhauls all types of refrigeration, cooling and air conditioning equipment utilizing centrifugal or reciprocating compressors, including accessories and controls. Identifies abnormal conditions and corrects malfunctions that may lead to inadequate refrigeration, cooling or air conditioning. Performs refrigerant recovery and recycling in accordance with section 608 of the Clean Air Act as amended. Universal certification in accordance with EPA mandate is required.

Source Rating: MM EN	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-720-0010	CDP: 3102, 713J,
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

MM-4295 UNREP Equipment Mechanic

Operates and performs organizational level maintenance on hydropneumatic and electro-hydraulic equipment and machinery associated with UNREP Systems. Tests and repairs hydraulic power supplies, circuits, motors, valves, and other components.

Source Rating: MM EN	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: J-690-0028	CDP: 703C
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

MM-4296 Shipboard Elevator Hydraulic/Mechanical System Mechanic

Tests, inspects, and performs organizational maintenance on shipboard weapons and cargo handling elevators on a system and component level. Troubleshoots and repairs hydraulic, mechanical and hydromechanical systems and equipment, not including electronic and electrical components and interfaces. Coordinates efforts with operators and maintainers of other ratings using or servicing the systems.

Source Rating: MM EN TM GM AO	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-690-0100	CDP: 585R
Sequence Code: 4	RBTR: R-690-0082-01	NR Ind: R
Component NEC:	Related NEC: 4295	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

ENGINEMAN

EN-4302 PAXMAN Valenta Diesel Engine Operator

Operates and maintains PAXMAN Valenta Diesel Engines. Performs maintenance on the SF Reduction gear model BW 1500 in accordance with specifications and procedures outlined in the manufacturers technical manual or performance checklist.

Source Rating: EN	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA, SPECWAR	ECM: N13

NOTE: Personnel completing USCG course of instruction and have Commanding Officers' recommendation can be awarded this NEC. Submit EPMAC 1221/2 to EPMAC (Code 49).

EN-4303 Cummins/Volvo Penta Diesel Engines Technician
Operates and performs organizational and/or extensive intermediate maintenance and overhaul on the Cummins Diesel Engines (6BTA5.9M and 6B5.9M), Volvo Penta Diesel Engines (AQAD-41A) and associated auxiliary equipment.

Source Rating: EN	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: K-652-0232	CDP: 378D, 423D
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

EN-4304 MTU Diesel Technician
Operates and performs organizational preventive maintenance, troubleshoots system/component failures and performs corrective maintenance on MTU diesel engines and Kamawa water jet pumps in accordance with manufacturer's recommendations.

Source Rating: EN	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Pending	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N851	Technical Advisor: SPECWAR	ECM: N132D3

EN-4305 Caterpillar Diesel Technician
Operates and maintains Caterpillar model 3126 diesel engines in Naval Special Warfare Rigid Hull Inflatable Boats. Performs maintenance and troubleshooting in accordance with procedures as outlined in the manufacturers technical manual or performance checklist

Source Rating: EN	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Pending	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N851	Technical Advisor: SPECWAR	ECM: N132D3

EN-4308 Causeway Section Powered/Side Loadable Warping Tug (CSP/SLWT) Engineer
Operates and performs preventive and corrective maintenance on the water jet propulsion engines and associated auxiliary mechanical systems on the Causeway Sections Powered and Side Loadable Warping Tugs.

Source Rating: EN CM MM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: K-652-0297	CDP: 179Y
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

NOTE: Course mandatory for naval reserve personnel. Active duty personnel may earn this NEC by completing applicable PQS/OJT or course completion.

EN-4310 ALCO (251C) and General Motors EMD (645) Diesel Engine Technician
Operates and performs organizational and/or intermediate maintenance on the ALCO, and General Motors EMD diesel engines and associated auxiliary equipment.

Source Rating: EN MM CM	Billet Paygrades: E5-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-652-0321	CDP: 005G
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

EN-4313 Outboard Engine Mechanic
Performs troubleshooting, preventive and corrective maintenance, and engine and lower unit overhauls on 2-stroke outboard engines ranging in size from 9.9 to 225 horsepower.

Source Rating: EN EM BM HT	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: K-652-0237	CDP: 093D
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

NOTES:
1. Personnel holding 53XX NEC's are also eligible to earn this NEC.
2. NEC awarded upon completion of Factory Training.

EN-4314 Diesel Engine Inspector
Inspects material condition, monitors general readiness, and diagnoses improper operating procedures and equipment casualties/failures of marine main propulsion diesel engines and component systems. Recommends corrective operation and maintenance measures.

Source Rating: EN MM	Billet Paygrades: E7-E9	Personnel Paygrades: E7-E9
Course: Course Mandatory	CIN: A-652-0311	CDP: 1942
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

NOTES:
1. NEC assignment is based on 5 years experience in main propulsion diesel engines and must pass certification examination administered by NAVSEC Philadelphia Division or designated representative.
2. Submit EPMAC 1221/2 with supporting documentation to EPMAC (Code 49) for award of this NEC.
3. MM personnel must be in paygrade E-8 or E-9 and hold NEC MM-4246 to be eligible for training in this NEC.

EN-4316 MCM 1 & 2 Propulsion Technician
Operates and performs organizational and/or intermediate level maintenance on WAUKESHA (L1616 DSIN) non-magnetic diesel engines used for marine propulsion and associated support equipment. Operate and perform organizational and/or intermediate level maintenance on SOLAR T-1020S-100B Gas Turbine Generator Set used on board the MCM class ships.

Source Rating: EN	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC: EN-4324	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

EN-4324 MCM Propulsion Technician
Operates and maintains, at the organizational level, Isotta Franchini diesel engines used for marine propulsion or generator service. Operates and maintains the SOLAR T-1020S-100B Gas Turbine Generator set used on board the MCM class ships.

Source Rating: EN	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-652-0358	CDP: 4913
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D

EN-4333 Fairbanks Morse (38D 8-1/8) and Colt Pielstick (PC2.5V) Diesel Engine Technician
Operates and performs organizational and/or intermediate maintenance on the Fairbanks Morse and Colt Pielstick diesel engines and associated auxiliary equipment.

Source Rating: EN MM	Billet Paygrades: E5-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-652-0323	CDP: 005J
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

EN-4340-4346 Battle Force Intermediate Maintenance Activity (BFIMA) Diesel Engine , Governor, and Injector Repair Technician, Gerneralist
Performs intermediate-level maintenance on marine diesel engines including governor/injectors used for propulsion or generator service in support of BFIMA requirements. Award of this NEC to be based on documented completion of Fleet-specified Job Qualification Requirements (JQRs) for this skill and demonstration of advanced-level proficiency during training and hands-on production work (see www.jqr.navy.mil for current JQR). Training will be led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification

EN-4340 Battle Force Intermediate Maintenance Activity (BFIMA) Diesel Engine , Governor, and Injector Repair Technician, Gerneralist

Source Rating: EN	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: OJT	CIN:	CDP:

Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: See NOTE	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

NOTE : BFI MA NEC4340 will be awarded to Enginemen who have completed the NAMTS JQR for this skill but who lacks any of the component NEC's required for platform or system specific NEC's listed immediately below. Sailors who subsequently earn component NEC's should request conversion to the higher-level NEC when eligible.

EN -4342 Battle Force Intermediate Maintenance Activity (BFIMA) Diesel Engine, Governor and Injector Repair Technician, ALCO (251C) and General Motors EMD (645) Specialization

Source Rating : EN	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 4310	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

Note: BFIMA NEC 4343 Specifically identifies Enginemen with previous experience based on the 4310 Component NEC.

EN-4343 Battle Force Intermediate Maintenance Activity (BFIMA) Diesel Engine, Governor and Injector Repair Technician, MCM Propulsion (Isotta Franchini / SOLAR) Specialization

Source Rating: EN	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 4324	Related NEC:	Open to Women: Yes
Primary Advisor: CNO 869	Technical Advisor: NAVSEA	ECM: N132D3

Note: BFIMA NEC 4343 specifically identifies Enginemen with previous experience based on the 4324 Component NEC.

EN-4344 Battle Force Intermediate Maintenance Activity (BFIMA) Diesel Engine, Governor and Injector Repair Technician, Fairbanks Morse (38D 8-1/8) and Colt Pielstick (PC2.5V) Specialization

Source Rating: EN	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind:
Component NEC: 4333	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

Note: BFIMA NEC 4344 specifically identifies Enginemen with previous experience based on the 4333Component NEC.

EN-4345 Battle Force Intermediate Maintenance Activity (BFIMA) Diesel Engine, Governor and Injector Repair Technician, LSD-41 Class Propulsion Specialization

Source Rating: EN	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR IND: N
Component NEC: 4366	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor:	NAVSEA ECM: N132D3

Note: BFIMA NEC 4345 specifically identifies Enginemen with previous experience based on the 4366 Component NEC.

EN-4346 Battle Force Intermediate Maintenance Activity (BFIMA) Diesel Engine, Governor and Injector Repair Technician, FFG-7 Class Auxiliaries Mechanical System Specialization

Source Rating: EN	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 4382	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

Note: BFIMA NEC 4346 specifically identifies Enginemen with previous experience based on the 4382 Component NEC.

EN-4355 LAMPS MK III RAST Mechanical Maintenanceman
Performs organizational maintenance on Recovery Assist, Securing and Traversing (RAST) system hydraulic and mechanical subassemblies. Removes and replaces failed modules and piece parts.

Source Rating: EN	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: K-652-2205	CDP: 159H, 083G
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

EN-4361 ARS-50 Class Propulsion Technician
Operates and maintains, at the organizational level, Caterpillar D-399 diesel engines used for marine propulsion or generator service. Operates and maintains the ship's distilling plants, auxiliary boiler, and Controllable Pitch Propeller System (CCP). Operation of the Ship's Main Control Console is inclusive, covering basic operations and machinery controls.

Source Rating: EN	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-652-0338	CDP: 4943
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

EN-4366 LSD-41 Class Propulsion System Technician
Operates and performs organizational maintenance on the LSD-41 class propulsion system. Operates the TANO propulsion system control console. Calibrates, inspects, assembles and disassembles, troubleshoots, and overhauls the Colt-Pielstick propulsion diesel, its associated subsystem and power trains.

Source Rating: EN	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-652-0349	CDP: 594T
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 4333	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

EN-4382 FFG-7 Class Auxiliaries Mechanical System Technician
Operates and performs corrective and preventive maintenance at the organizational level on mechanical auxiliary systems on FFG-7 class ships.

Source Rating: EN	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-652-0233	CDP: 066R
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

EN-4398 DD-963 Auxiliary Systems Technician
Performs, at the organizational level, operational procedures and preventive and corrective maintenance on auxiliary systems onboard DD-963 class ships.

Source Rating: EN	Billet Paygrades:E4-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: K-652-2167	CDP: 011Q
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

MACHINERY REPAIRMAN

MR-4402 Advanced Machinery Repairman
Performs calculations using basic algebra and trigonometry to manufacture spur, helical, bevel gears, and worm/worm wheels. Manufacture and repair precision parts from blueprints utilizing tool and cutter grinders, surface grinders, cylinder grinders, universal milling machines, optical comparators, surface finish analyzer, disintegrators, vertical turret lathes, and horizontal boring mils. Understanding the nature and physical properties of metal and alloys with demonstration and practice in metal testing, identification and heat treating.

Source Rating: MR	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-702-0029	CDP: 5252,5251
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes

Primary Advisor: CNO N769 Technical Advisor: NAVSEA ECM: N132D4

MR-4404 Computer Numerically Controlled Machinist
Understands the theory and application of Computer Numerically Controlled (CNC) lathes, milling machines and associated equipment utilizing Computer Aided Design (CAD), and Computer Aided Machining (CAM) software.

Source Rating: MR	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-702-0025	CDP: 591T
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

MR-4405 Battle Force Intermediate Maintenance Activity (BFIMA) Inside Machinist
Performs intermediate level maintenance procedures on marine machinery and auxiliary systems and equipment components in support of BFIMA requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet-specified Job

Qualification Requirements (JQRs) for this skill and demonstration of advanced-level proficiency during hands-on training and production work (see http://www.jqr.navy.mil/ for current JQR). Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Source Rating: MR	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 4402	Related NEC: 4403	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

NOTE: During program phase-in waiver of the component NEC requirement for the BFIMA Inside Machinist skill is possible. Minimum justification for the waiver must include documentation that the candidate: has an ASVAB score of 158 or higher (AR+MC+AS), meets the source rating criteria, and is otherwise considered eligible for JQR qualification. Contact OPNAV N132 for wavier approval.

MACHINIST'S MATE

MM-4502 Boiler Repair Technician
Performs intermediate level maintenance on marine propulsion boilers, auxiliary and waste heat boilers. Reviews and maintains records and reports pertinent to boiler repair.

Source Rating: MM	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: K-651-0109	CDP: 089Y
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

MM-4503 Main Propulsion Steam Generating Plant Inspector
Inspects material condition, monitors general readiness, and diagnoses improper operating procedures and equipment casualties/failures. Recommends operational and maintenance corrective measures. Details repairs of all marine main propulsion plant oilers, appurtenances, component systems or related automatic combustion and feedwater control systems, and steam generating plant ancillary equipment (feed and fuel pumps, forced draft lowers/superchargers, deaerating feed tanks, etc.). Evaluates boilerwater and feedwater test and treatment procedures, reviews associated operational and maintenance records and witnesses prescribed steam generating plant tests.

Source Rating: MM	Billet Paygrades: E7-E9	Personnel Paygrades: E7-E9
Course: Course Mandatory	CIN: K-651-2151	CDP: 4131
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

NOTE: Failure to maintain certification as specified in OPNAVINST 9221.1 Series will result in removal of NEC.

MM-4505 Steam Propulsion Maintenance Supervisor
Supervises organizational level maintenance and conducts onboard maintenance training on conventional steam propulsion boilers, forced draft blowers, steam plant controls/regulating components (less automatic boiler controls), supporting auxiliary equipment, valves, and piping systems. Conducts equipment material inspections, identifies abnormal equipment conditions and initiates corrective action. Maintains a current inventory of all required maintenance/repair records, technical documentation, special tools, and repair equipment.

Source Rating: MM	Billet Paygrades: E5-E9	Personnel Paygrades: E4-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

NOTES:
1. No new assignment of this NEC as of 1 October 1996.
2. Personnel holding this NEC and have Commanding Officer's endorsement are eligible to apply for NEC MM-4204. Submit 1221/2 to EPMAC (Code 49).

MM-4513 Automatic Combustion Control (General Regulator) Maintenanceman
Performs organizational level maintenance on propulsion boiler automatic combustion control and feedwater control system. Performs preventive and corrective maintenance on and troubleshoot, calibrate and test system and subsystem components.

Source Rating: MM	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-651-0040	CDP: 4133, 4136
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 4533	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

MM-4533 Automatic Combustion Control Console Operator (General Regulator)
Functions as watchstanders on automatic combustion control consoles. Identifies abnormal conditions in operation of plant that may lead to emergency and/or casualty and initiate corrective or emergency procedures.

Source Rating: MM	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-651-0046	CDP: 4315, 4406
Sequence Code: 6	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

MM-4540 Battle Force Intermediate Maintenance Activity (BFIMA) Valve Repair Technician
Performs intermediate-level maintenance procedures in inspecting and repairing marine valves, valve manifolds and other steam system components in support of BFIMA requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet-specified Job Qualification Requirements (JQRs) for this skill and demonstration of advanced-level proficiency during hands-on training and production work (see www.jqr.navy.mil for current JQR). Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Rating: MM EN	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC: 4204, 4505	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

MM-4541 Battle Force Intermediate Maintenance Activity (BFIMA) Hydraulics Repair Technician
Performs intermediate-level maintenance procedures on hydraulic systems and components of propulsion machinery, auxiliary equipment, and outside machinery in support of BFIMA requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet-specified Job Qualification Requirements (JQRs) for this skill and demonstration of advanced-level proficiency during hands-on training and production work (see www.jqr.navy.mil for current JQR). Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Rating: MM GSM EN	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC: 4128 4245 4295 4296 4313	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

NOTE: This proficiency-based NEC will be awarded through documented completion of appropriate Job Qualification Requirement (JQR) milestones specified for the BFIMA skill area. Qualification elements may be obtained through either formal or non-traditional training. The

primary means of training will be led by journeyman-level craftsman supplemented by appropriate self-paced instruction, or through On-the-Job Training (OJT) consistent with Department of Labor journeyman licensing.

MM-4542 Battle Force Intermediate Maintenance Activity (BFIMA) Outside Machinist
Performs intermediate-level maintenance on all types of main propulsion systems, equipment, and auxiliary machinery in support of BFIMA requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet-specified Job Qualification Requirements (JQRs) for this skill and demonstration of advanced-level proficiency during hands-on training and production work (see www.jqr.navy.mil for current JQR). Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Rating: MM EN	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC: 4245, 4295	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D3

ELECTRICIAN'S MATE

EM-4615 Electrical Motor Rewinder
Rewinds AC and DC motor and generator stators, rotors, field coils, and armatures utilizing round wire or formed coils. Takes rewinding data, replaces brushes, adjusts brush rigging, dips, bakes, renews bearings, assembles, and test runs.

Source Rating: EM	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: J-662-0021	CDP: 471R, 4893, 3438
Sequence Code: 5	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769, CNO N779	Technical Advisor: NAVSEA	ECM: N132D4

NOTE: NEC awarded upon completion of the appropriate SQIP course and proficiency examination.

EM-4621 IMA Electrical Shop Journeyman
Performs intermediate level maintenance procedures on power generators, distribution and conversion equipment, and rotating electrical components including motors and generators. Conducts NAVSEA approved repair, alignment and test procedures to quality assurance specifications. Knowledgeable of intermediate level overhaul and repair procedures, repair and maintenance standards, quality assurance specifications, production scheduling and control, and proper use of IMA industrial machinery. Performs functions in key IMA positions of management, supervisory and technical responsibility including Lead Artisan, Shop Supervisor, Work Center Supervisor, Planner and Estimator, Quality Assurance, Maintenance System Manager, and Ship Superintendent.

Source Rating: EM	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: OJT	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N431, CNO N779	Technical Advisor: NAVSEA	ECM: N132D4

NOTE:
Commanding Officers shall recommend only those personnel in paygrades E-5 and above for this NEC who meet the following requirements:

1. Completion of the IMA Electrical Motor Repair SQIP course or equivalent training.
2. Completion of NAVSEA IMA Shop Mechanic Repair Management self study course.
3. Completion of 9 months of supervised work experience and on-the-job training (OJT) in an IMA Inside Electrical Shop. This requirement may be met in the case of Selected Reserve personnel with the IMA commanding officer's approval, as follows:
   a. With prior military experience, e.g., 9 months of work in an IMA shop on active duty in the last 5 years or related civilian experience; state licensed or Civil Service qualified journeyman, the minimum requirement is 160 hours on Active Duty Training (ACDUTRA)/Special Active Duty Training (SPECACDUTRA) with minimum increments of 12 days in the IMA Inside Electrical Shop. This may include Shop Qualification Improvement Program (SQIP) training.
   b. Without the above experience, the requirement is 240 hours on ACDUTRA/SPECACDUTRA with minimum increments of 12 days in an IMA Inside Electrical Shop. This may include SQIP training.
4. Successful completion of the Electrical Shop IMA Journeyman NEC examination in accordance with CINCLANTFLT ltr 13022/FF1-2/NFM1B Ser 0701 of 20 Jan 83 or CINCPACFLT ltr Ser FF1-1 13011 43/1028 of 1 Feb 83. Selected Reserve personnel may take this examination as required at the Naval Reserve Center or the IMA.

EM-4626 DD-963/LHD-1 Electrical Component Maintenance Technician

Performs operational, preventive and corrective maintenance on DD-963/LHD-1 unique electrical components, 400HZ Static Frequency Converters and the SSM Degaussing System.

Source Rating: EM	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-662-0131	CDP: 095D
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

EM-4632 FFG-7 Class Auxiliaries Electrical System Technician

Operates and performs corrective and preventive maintenance at the organizational level on auxiliary electrical systems installed on FFG-7 Class ships.

Source Rating: EM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-662-0121	CDP: 066P
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

EM-4650 Battle Force Intermediate Maintenance Activity (BFIMA) Inside Electrical Repair

Performs intermediate-level maintenance procedures inspecting, testing, and servicing motors/generators and correcting vibration on rotating machinery in support of BFIMA requirements. Possesses knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet-specified Job Qualification Requirements (JQRs) for this skill and demonstration of advanced-level proficiency during hands-on training and production work (see www.jqr.navy.mil for current JQR). Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Source Rating: EM	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 4615	Related NEC: 4621	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

Note: During program phase-in waiver of the component NEC requirement for the BFIMA Inside Electrical Repair skill is possible. Minimum justification for the waiver must include documentation that the candidate: has significant related experience (at sea), meets the source rating criteria, and is otherwise considered eligible for JQR qualification. Contact OPNAV N13 for wavier approval

EM-4651 Battle Force Intermediate Maintenance Activity (BFIMA) Outside Electrical Repair

Performs intermediate-level electrical maintenance procedures on various shipboard equipment and systems in support of BFIMA requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet-specified Job Qualification Requirements (JQRs) for this skill and demonstration of advanced-level proficiency during hands-on training and production work (see www.jqr.navy.mil for current JQR). Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Rating: EM	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC: 4621, 4615, 4626, 4632, 4671	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

EM-4665 Minehunting Technician

Operates, tests, adjusts, and performs organizational maintenance on automatic degaussing equipment and all specialized electrical equipment involved in minehunting aboard MHC-class ships. Uses tools, meters, and special test equipment necessary to correctly test, align, troubleshoot, and repair electrical and electronic components of the automatic degaussing equipment.

Source Rating: EM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC: 4666	Open to Women: No
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

EM-4666 Minesweeping Electrician

Operates, tests, adjusts, and performs organizational level maintenance on automatic degaussing equipment and all specialized electrical equipment involved in magnetic and acoustic mine sweeping. Uses tools, meters, and special test equipment necessary to correctly test, align, troubleshoot, and repair electrical and electronic components of the automatic degaussing and mine sweeping equipment. Sets up the equipment to conform to various operational orders.

Source Rating: EM	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: A-647-0019	CDP: 3119
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

EM- 4668 UNREP Electrical-Electronics Control Maintenance

Performs organizational level maintenance on electrohydraulic power and electronic controls associated with UNREP systems. Repairs circuits and control devices and perform systems test on UNREP systems.

Source Rating: EM IC	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: J-690-0029	CDP: 703D
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

EM-4671 Shipboard Elevator Electronic/Electrical System Maintenance Technician

Tests, inspects and performs organizational level maintenance on shipboard weapons and cargo handling elevators on a system and component level. Troubleshoots and repairs electronic/electrical systems and equipment, such as controllers, sensors, switches, and the electrical components of hydraulic/mechanical interfaces. Coordinates efforts with operators and maintainers of other ratings using or servicing the systems.

Source ratings: EM FC GM IC	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: A-690-0099	CDP: 585P
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769, N889, N879	Technical Advisor: NAVAIR, NAVSEA	ECM: N132D4

EM-4672 Steam Catapult Electrician

Performs organizational level maintenance on catapult and arresting gear systems, including synchros, repeaters, 110/220/440V electrical systems, contacts, relays, micro switches, series and parallel switches, pressure and temperature sensing switches, torque and gear limit switches, chronograph, and control console electrical functions. Reads and interprets electrical/mechanical drawings.

Source Rating: EM	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: C-604-2013	CDP: 3803
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR, NAVSEA	ECM: N132D4

EM-4673 LAMPS MK III RAST/HRS Electrical Maintenanceman

Performs maintenance on RAST system components. Repairs failed electrical and electronic components by removal and replacement to the lowest replaceable unit (LRU).

Source Rating: EM	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN: K-652-2204	CDP: 083F, 159G
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769, CNO N789	Technical Advisor: NAVAIR, NAVSEA	ECM: N132D4

EM-4674 Oxygen Generating Plant Electrical/Electronic Maintenance Technician

Performs organizational level preventive and corrective maintenance, troubleshooting, and fault isolation procedures on the electrical/electronic components of the SEAWOLF Oxygen Generating Plant.

Source Rating: EM ET	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E6
Course: Course Pending	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D4

EM-4675 Physical/Dimensional Calibration Specialist.
Performs third echelon (MIRCS, FMCL, NCL) level duties involving physical, mechanical, plane and angular measurements and calibration, including flow and temperature measurement and calibration. Aligns, inspects, repairs, troubleshoots, modifies, and calibrates electro/mechanical test and monitoring systems (TAMS) using calibration and working standards.

Source Rating: EM, IC	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course:	CIN: A-670-0043	CDP: 577E
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N43	Technical Advisor: NAVSEA	ECM: N132D4

INTERIOR COMMUNICATIONS ELECTRICIAN

IC-4703 FFG-7 Class Interior Communications Subsystem Technician
Performs organizational level maintenance on interior communications subsystems as well as the MK 27 Gyrocompass, Ships Control Console, MK 6 Dewey Underwater Log, DRT and DRA MK 6, and Stabilized Glide Slope Indicator and Wave-off System.

Source Rating: EM IC	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-623-0099	CDP: 024B
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

ET-4708 Automated Electrolytic Oxygen Generator (AEOG) Maintenance Technician
Maintains the Automated Electrolytic Oxygen Generator. Performs organizational level maintenance on assigned equipment.

Source Rating: EM, ET	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Pending	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC: 4752	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D5

IC-4709 Mission Briefing System AN/SXQ-8 Maintenance Technician
Performs preventive and corrective maintenance on the Secure Closed Circuit Television System (SCCTS) AN/SXQ-8 and video teleconference equipment.

Source Rating: IC	Billet Paygrades: E5-E8	Personnel Paygrades: E4-E8
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 4746	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: SPAWAR	ECM: N132D4

IC-4711 Interior Voice Communications System Maintenance Technician
Performs organizational and/or intermediate level maintenance on computerized interior voice communications system equipment consisting of breaker panels, power supplies, power distribution unit, common control and matrix racks, tape-reader, teleprinter, switchboard, batteries, automatic dial terminals, man-on-the-move, and radio sound-powered phone interface. Isolates, identifies, and takes appropriate maintenance action through the utilization of on-and off-line tests, test equipment, and user complaints. Ensures 24-hour-a-day operation during ship readiness conditions I through V.

Source Rating: EM IC	Billet Paygrades: E5-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-623-0042	CDP: 594B
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

IC-4712 Integrated Voice Communications Technician
Performs organizational level maintenance on and operates the Integrated Voice Communications System (STC-2(V)) and associated peripheral equipment installed in the system.

Source Rating: IC	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-623-0101	CDP: 713D
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes

Primary Advisor: CNO N769 | Technical Advisor: NAVSEA | ECM: N132D4

IC-4716 Ship's Service Telephone System (Dimension 2000) PBX Repairman

Performs organizational maintenance on the Dimension 2000 system. Initiates diagnostic routes via a Maintenance and Administrative Panel (MAAP). Analyzes MAAP displays and localizes faults to a circuit pack or group of circuit packs. Employs electronic troubleshooting techniques beyond the circuit pack level. Employs a Remote Maintenance Administrative and Traffic System (RMATS). Performs telephone operator functions in port at an attendant's console.

Source Rating: IC	Billet Paygrades: E4-E8	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: A-623-0111	CDP: 713F
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

IC-4718 IC Journeyman

Performs intermediate level maintenance on interior communications (IC) systems, including voice interior communications, alarm, warning, ship's control, entertainment, gyrocompass, navigation and plotting systems to quality assurance specifications using IMA industrial repair procedures. Demonstrates knowledge of intermediate level overhaul and repair procedures, repair and maintenance standards, quality assurance specifications, production scheduling and control, and proper use of IMA industrial machinery. Performs functions in key IMA positions of management and supervisory and technical responsibility, including Lead Artisan, Shop Supervisor, Work Center Supervisor, Planner and Estimator, Quality Assurance, Maintenance System Manager, and Ship Superintendent.

Source Rating: IC EM	Billet Paygrades: E4-E8	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: A-623-0013	CDP: 4021
Sequence Code: 5	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

IC-4720 Gyrocompass Maintenance

Performs organizational level preventive and corrective maintenance, troubleshooting and fault isolation on the MK 27 MOD O Gyrocompass.

Source Rating: IC EM	Billet Paygrades: E5-E8	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: K-670-2152	CDP: 4703
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC: 4721, 4723	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

IC-4721 MK 19 Gyrocompass Systems Maintenance Technician

Operates, tests, and performs organizational and/or intermediate level maintenance on gyrocompasses and associated equipment.

Source Rating: IC ET	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: A-670-0055	CDP: 087Z
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

IC-4723 MK 23 Gyrocompass Systems Maintenance Technician

Operates, tests, and performs organizational and/or intermediate level maintenance on gyrocompasses and associated equipment.

Source Rating: IC	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E8
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

IC-4727 WSN-2 Stabilized Gyrocompass Technician

Operates and performs tests, fault isolation, calibration, and repair of the WSN-2 stabilized gyrocompass at the organizational level, using BITE and appropriate technical documentation.

Source Rating: IC ET	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: A-670-0048	CDP 409L
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes

Primary Advisor: CNO N769 | Technical Advisor: NAVSEA | ECM: N132D4

IC-4728 WSN-5 Inertial Navigation Set Technician
Operates and performs tests, fault isolation, calibration, and repair of the WSN-5 inertial navigation set at the organizational level, using BITE and appropriate technical documentation.

Source Rating: IC	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: A-670-0049	CDP: 057M,
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 4727	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

IC-4731 Auxiliary Electrician
Performs operational checks and tests, troubleshooting, and preventive and organizational level maintenance on components of advanced interior communications equipment installed in nuclear submarines.

Source Rating: IC ET	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D4

IC-4737 TRIDENT Submarine Ship Control and Atmosphere Support Master Operation and Maintenance Technician (Level III)
Operates and performs, utilizing advanced troubleshooting techniques and systems analysis procedures, all corrective maintenance on the Electronic Module Tester, Electrical Valve, Position Control, Ship Control, and Depth Control equipment. Operates and performs, utilizing advanced troubleshooting techniques and system analysis procedures, all corrective maintenance on the Central Atmosphere Monitoring, MK 27 Gyrocompass and Integrated Announcing and Communication systems. Provides supervisory guidance to Level I and II trained personnel in the operation and maintenance of the TRIDENT Ship Control and Atmosphere Support equipment.

Source Rating: IC EM ET	Billet Paygrades: E6-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D4

IC-4738 AN/USQ-82(V) Data Multiplex System Technician
Performs preventive and corrective maintenance on the AN/USQ-82(V) Data Multiplex System at the organizational level using self diagnostics and built-in test equipment, supported by appropriate technical documentation. Performs fault isolations, tests, aligns, calibrates, and replaces or repairs faulty individual components. Operates connected systems consoles during testing to ensure system connectivity.

Source Rating: IC EM	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-670-0053	CDP: 295S
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D4

IC-4743 Integrated Launch and Recovery Television Surveillance (ILARTS) System Maintenance Technician
Operates and performs organizational level maintenance on the Integrated Launch and Recovery Television Surveillance (ILARTS) System.

Source Rating: IC	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-191-0011	CDP: 160D
Sequence Code: 4	RBTR: R-191-0011-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769, CNO N789	Technical Advisor: NAVAIR, NAVSEA	ECM: N132D4

IC-4745 Optical Landing System Technician
Adjusts and performs organizational level maintenance on optical landing systems including such components as synchro-amplifiers, servoamplifiers, and servodrives.

Source Rating: EM IC	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: C-670-2010	CDP: 3606
Sequence Code: 4	RBTR: R-670-2010-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes

Primary Advisor: CNO N769, CNO N789 Technical Advisor: NAVAIR, NAVSEA ECM: N132D4

IC-4746 Closed Circuit TV Technician

Operates and performs organizational level maintenance on a variety of Ship's Information, Training and Entertainment (SITE) Closed Circuit Television (CCTV) Systems.

Source Rating: IC ET EM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-191-0010	CDP: 160C
Sequence Code: 4	RBTR: R-191-0010-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769, N20, N889	Technical Advisor: NAVAIR, NAVSEA	ECM: N132D4

NOTE: No new assignment of this NEC will be made to ET personnel.

IC-4747 Broadcast Engineering Technician

Performs organizational, intermediate and depot-level maintenance on shipboard SITE systems and commercial broadcast standard radio, television, satellite, and transmissions equipment. Designs integration of and installs broadcast components for full system operations. Maintains and operates broadcast control, distribution, redistribution, and production subsystems.

Source Rating: IC	Billet Paygrades: E4-E8	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: S-198-0053	CDP: 959L
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 4746	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

NOTE:
Naval Reservists can earn this NEC by satisfactorily completing the following procedures:
1. Application for NEC 4747 should be made to the Navy Broadcast Service (NBS) and must include:
   a. A certificate of completion of a minimum of two years vocational-technical education in broadcast engineering.
   b. Verification of two years current full-time experience in broadcast engineering.
   c. A two week ACDUTRA at NBS for evaluation and familiarization with Navy equipment.
   d. An ACDUTRA performance evaluation by a NBS activity.
2. Upon receipt of all items listed above, NBS will convene a board to consider application for NEC 4747. Upon determination that all requirements are satisfied, NBS will submit the appropriate documentation to EPMAC (Code 49) recommending award of the NEC.

IC-4749 Physical Security Equipment Maintenance Technician

Operates and performs preventive and corrective maintenance on remote sensor systems for physical security FFS-9V, FSS-10(V), Grass Valley CCTV subsystem, and Vindicator Digital monitoring systems.

Source Rating: IC ET CTM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: A-198-0030	CDP: 4388
Sequence Code: 7	RBTR: R-198-0030-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769, N20	Technical Advisor: NAVSEA, SECGRU, SPAWAR	ECM: N132D4

IC-4752 Electrolytic Oxygen Generator (MODEL 6L16) Maintenance Technician

Maintains Model 6L16 electrolytic oxygen generator. Performs organizational and intermediate level maintenance on assigned equipment.

Source Rating: IC ET EM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-623-0039	CDP: 5219, 4811, 043K 044D, 170N, 356P
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC: 4252	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D4

IC-4755 LSD 41 Console Maintenance

Performs organizational level preventive and corrective maintenance, troubleshooting and fault isolation procedures on main propulsion and auxiliary control console for LSD 41 class ships.

Source Rating: IC EM	Billet Paygrades: E4-E8	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-623-0112	CDP: 385E, 131U, 385D
Sequence Code: 4	RBTR:	NR Ind: R

Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N769 Technical Advisor: NAVSEA ECM: N132D4

IC-4756 AO 177 Console Maintenance
Performs organizational level preventive and corrective maintenance, troubleshooting and fault isolation procedures on main propulsion and auxiliary control consoles on AO 177, AE 32, LHA 1 and LHD 1 class ships and auxiliary consoles on AOE 6 class ships.

Source Rating: IC EM Billet Paygrades: E4-E8 Personnel Paygrades: E4-E9
Course: Course Mandatory CIN: A-623-0128 CDP: 630S
Sequence Code: 4 RBTR: NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N769 Technical Advisor: NAVSEA ECM: N132D4

IC-4757 ARS 50 Console Maintenance
Performs organizational level preventive and corrective maintenance, troubleshooting and fault isolation procedures on main propulsion and auxiliary control consoles on ARS 50 and PC class ships.

Source Rating: IC EM Billet Paygrades: E4-E8 Personnel Paygrades: E4-E9
Course: Course Mandatory CIN: A-623-0129 CDP: 630X
Sequence Code: 4 RBTR: NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N769 Technical Advisor: NAVSEA ECM: N132D4

IC-4758 Stabilized Glide Slope Indicator System Maintenance
Performs organizational level preventive and corrective maintenance, troubleshooting and fault isolation on the Stabilized Glide Slope Indicator System (SGSI), the Wave-Off Light System (WOLS), the Horizontal Approach Path Indicator (HAPI) and the Flight Deck Signaling Status System (FDSSS).

Source Rating: IC EM Billet Paygrades: E5-E8 Personnel Paygrades: E4-E9
Course: Course Mandatory CIN: C-670-2013 CDP: 479C, 548A
Sequence Code: 4 RBTR: NR Ind: A
Component NEC: Related NEC: Open to Women : Yes
Primary Advisor: CNO N769 Technical Advisor: NAVSEA ECM: N132D4

IC-4775-4777 Plotting Systems Technicians
Maintains, repairs, and overhauls plotting systems. Makes signal source test. Aligns plotting table assemblies. Troubleshoots and replaces faulty components, subassemblies, and assemblies to restore equipment to optimum operating condition.

IC-4775 MK 9 MOD 4 DRAI/MK 6 MOD 4B DRT Technician

Source Rating: EM IC Billet Paygrades: E4-E7 Personnel Paygrades: E3-E9
Course: Course Mandatory CIN: J-623-0028 CDP: 7825, 587P
Sequence Code: 5 RBTR: NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N769 Technical Advisor: NAVSEA ECM: N132D4

IC-4776 MK 9 MOD 4/MK 10 MOD 0 DRAI and MK 6 MOD 4B DRT Technician

Source Rating: EM IC Billet Paygrades: E4-E7 Personnel Paygrades: E3-E9
Course: Course Mandatory CIN: J-623-0069 CDP: 407F
Sequence Code: 5 RBTR: NR Ind: R
Component NEC: Related NEC: 4775 Open to Women: Yes
Primary Advisor: CNO N769 Technical Advisor: NAVSEA ECM: N132D4

IC-4777 MK6 MOD 4D Digital Dead Reckoning Trace (DDRT) Technician
Maintains, repairs, and overhauls plotting systems. Makes signal source test. Aligns plotting table assemblies. Troubleshoots and replaces faulty components, assemblies, and subassemblies to restore equipment operating condition.

Source Rating: IC Billet Paygrades: E4-E7 Personnel Paygrades: E4-E7
Course: Course Mandatory CIN: A-623-2751 CDP: 722A
Sequence Code: 4 RBTR: NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N769 Technical Advisor: NAVSEA ECM: N132D4

IC-4778 Fiber Optic Data Multiplex System (FODMS)
Performs organizational level preventive and corrective maintenance, troubleshooting and fault isolation procedures on the Fiber Optic Data Multiplex System (FODMS) and associated support equipment.

Source Rating: IC	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Pending	CIN: A-670-0065	CDP: 201G
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

IC-4779 Vertical Short Take-off and Landing Optical Lens System (VSTOL OLS)
Provide maintenance personnel with the skills required to operate the VSTOL OLS system in all modes of operation; normal, degraded, and emergency. Performs preventive maintenance and organizational level corrective maintenance.

Source Rating: IC EM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Pending	CIN: A-670-0064	CDP: 0094
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

IC-4781-478B Battle Force Intermediate Maintenance Activity (BFIMA) Interior Communication Repair Technician
Performs intermediate-level maintenance procedures troubleshooting, repairing, and testing atmospheric control and monitoring equipment, indicating, order, and metering systems, navigation and communication system in support of BFIMA requirements. Award of this NEC to be based on documented completion of Fleet-specified job Qualification Requirements (JQRs) for this skill and demonstration of advance-level proficiency during hands-on training and production work (see www.jqr.navy.mil for current JQR). Training will be led by journeyman-level craftsmen and supplemented by appropriate self-pace instruction consistent with Department of Labor journeymen certification.

IC-4781 Battle Force Intermediate Maintenance Activity (BFIMA) Interior Communication Repair Technician

Source Rating: IC	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 4711 or 4716 or 4718	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

IC-4782 Standards Maintenance And Repair Technician.
Performs depot level maintenance, troubleshooting, repair, and third echelon (MIRCS, FMCL, NCL) calibration duties for Shipboard Gauge Calibration Program (SGCP) standards. Identifies problems, tests, and effects repairs to electronic circuitry and related electro-mechanical interfaces in associated equipment.

Source Rating: IC EM	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E9
Course:	CIN: A-670-0058	CDP: 0968
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

IC-4783 MCH-51CL CONSOLE MAINTENANCE
Performs organizational level preventive and corrective maintenance, troubleshooting, and fault isolation procedures on the Mine Hunter Coastal (MHC-51) Machinery/Ship Control System (M/SCS) and associated equipment.

Source Rating: EM, IC	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: A-651-0122	CDP: 1246
	A-651-0123	1247
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

IC-4784 MCM-ICL CONSOLE MAINTENANCE
Performs organizational level preventive and corrective maintenance, troubleshooting, and fault isolation procedures on the Mine Countermeasures Standard Monitoring and Control System (SMCS) and Integrated Condition Assessment System (ICAS) components.

Rating: IC, EM	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7

Course: Pending	CIN:	CDP:
Sequence Code: 2	RBTR:	NR Ind: N/A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO 869	Technical Advisor: NAVSEA	ECM: N132D4

IC-4785 Battle Force Intermediate Maintenance Activity (BFIMA) Interior Communication Repair Technician, FFG-7 Class Specialization

Source Rating: IC	Billet Paygrades: E5-E7	Personnel Paygrade: E5-E7
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 4703	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

Note: BFIMA NEC 4785 specifically identifies Interior Communications Technicians with previous experience based on the 4703 Component NEC.

IC-4786 Battle Force Intermediate Maintenance Activity (BFIMA) Interior Communication Repair Technician, IVCS (STC-2(V)) Specialization

Source Rating: IC	Billet Paygrades: E5-E7	E5-E7
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 4712	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

Note: BFIMA NEC 4786 specifically identifies Interior Communications Technicians with previous experience based on the 4712 Component NEC.

DAMAGE CONTROLMAN

DC-4805 Shipboard Chemical, Biological and Radiological-Defense (CBR-D) Operations and Training Specialist
Conducts training for Shipboard Chemical, Biological and Radiological-Defense. Advises command on how to integrate into the normal command organization the functions necessary to prepare for, defend against, and recover from Shipboard Chemical, Biological, or Radiological involvement. Supervises/performs shipboard organizational level maintenance on CBR-D equipment. Conducts formal classroom training in Shipboard CBR-D courses at Training Centers and Training Groups.

Source Rating: DC HT HM	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-495-2062	CDP: 437M
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

DC-4811 Senior Enlisted Damage Control Program Management and Training Specialist
Performs managerial and safety supervisor functions in support of Damage Control (DC), Fire Fighting (FF), and Chemical, Biological, and Radiological-Defense (CBR-D) programs. Performs duties as the ship's DC, FF, and CBR-D subject matter expert. Responsible for shipboard DC/FF/CBR-D equipment maintenance. Troubleshoots installed fire fighting systems. Assists the Damage Control Assistant in organizing and training the ship's damage control and fire fighting teams. Plans and evaluates DC/FF/CBR-D exercises and performs as the ship's Assist Gas Free Engineer.

Source Rating: DC	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN: A-495-2055	CDP: 576F
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 4805	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

HULL MAINTENANCE TECHNICIAN

HT-4911 Battle Force Intermediate Maintenance Activity (BFIMA) Shipfitter
Performs intermediate-level maintenance procedures in fabricating and installing flat and/or complex metal forms in support of BFIMA requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet-specified Job Qualification Requirements (JQRs) for this skill and demonstration of advanced-level proficiency during hands-on training and production work (see www.jqr.navy.mil for current JQR). Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Source Rating: HT	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8

Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC: 4955	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

NOTE: This proficiency-based NEC will be awarded through documented completion of appropriate Job Qualification Requirement (JQR) milestones specified for the BFIMA skill area. Qualification elements may be obtained through either formal or non-traditional training. The primary means of training will be led by journeyman-level craftsman supplemented by appropriate self-paced instruction, or through On-the-Job Training (OJT) consistent with Department of Labor journeyman licensing.

HT-4912 Battle Force Intermediate Maintenance Activity (BFIMA) Sheetmetal Worker

Performs intermediate-level maintenance procedures in support of BFIMA requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet-specified Job Qualification Requirements (JQRs) for this skill and demonstration of advanced-level proficiency during hands-on training and production work (see www.jqr.navy.mil for current JQR). Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Rating: HT	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC: 4955	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

HT-4935, 4942-4947 NDT Metal Specialists

NOTE: When an HT who is not currently certified in specific NDT technique is assigned to a NDT billet, certification must be established in accordance with NAVSEA 250-1500-1 and NSTM CH 074 V2 within three months of reporting on board. If the inspector/examiner fails to recertify, a NAVPERS 1221/1 recommending removal of the specific NEC shall be submitted by the Commanding Officer. The NEC removal must cite the reason for the individual's failure to certify/recertify and whether the member has performed to the extend of his/her ability. If an extension of recertification time beyond three months is considered appropriate, the member's Commanding Officer shall submit a request for a maximum 3-month extension to CHNAVPERS (Pers-402). This request must discuss the reason for the extension. Subsequent to initial certification or recertification the inspector/examiner must maintain certification when assigned to an NDT billet regardless of the duties to which assigned. NECs 4935, 4942-4947 require certification . Submit NAVPERS 1221/1 to EPMAC (Code 50) with a verification copy attached. Addressed requests for examiner certification to:

(Nuclear NEC HT-4947)	NAVSEA Test Examiner Qualification Program P.O. Box 79 ZAP 55A West Mifflin, PA 15122-0079
(Conventional NECs HT-4946)	NAVSEA Test Examiner Certification Agency Service School Command Great Lakes Hull Division Bldg. 520 2306 Sheridan Rd. Great Lakes, IL 60088

HT-4935 NDT Radiographic Inspector (Nuclear)

Performs and interprets radiographic tests in accordance with standards set forth in NAVSEA 250-1500-1.

Source Rating: HT	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E9
Course: OJT	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769, CNO N779	Technical Advisor: NAVSEA	ECM: N132D4

Note: CNET has been requested to eliminate future training courses and support for this NEC no later than 1 July 1998 based on defined personnel requirements. No new NECs will be awarded.

HT-4942 VT MT and PT NDT Inspector

Performs nondestructive tests using Visual, Magnetic Particle and Liquid Penetrant inspection methods in accordance with standards set forth in NSTM Chapter 074 Volume 2.

Source Rating: HT
Course: Course Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N769, CNO N779

Billet Paygrades: E4-E8
CIN: A-701-0033
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E3-E8
CDP: 576W
NR Ind: R
Open to Women: Yes
ECM: N132D4

HT-4943 VT MT PT and RT NDT Inspector

Performs nondestructive tests using Visual, Magnetic Particle, Liquid Penetrant and Radiographic inspection methods in accordance with standards set forth in NSTM Chapter 074 Volume 2.

Source Rating: HT
Course: Course Mandatory
Sequence Code: 3
Component NEC: 4942
Primary Advisor: CNO N769, CNO N779

Billet Paygrades: E4-E6
CIN: A-701-0057
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E4-E7
CDP: 576Y
NR Ind: R
Open to Women: Yes
ECM: N132D4

HT-4944 VT MT PT and UT Inspector

Performs nondestructive tests using Visual, Magnetic Particle, Liquid Penetrant, Ultrasonic inspection methods in accordance with standards set forth in NSTM Chapter 074 Volume 2.

Source Rating: HT
Course: Course Mandatory
Sequence Code: 3
Component NEC: 4942
Primary Advisor: CNO N769, CNO N779

Billet Paygrades: E4-E6
CIN: A-701-0058
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E4-E7
CDP: 576Z
NR Ind: R
Open to Women: Yes
ECM: N132D4

HT-4946 Non-nuclear NDT Examiner

Performs supervisory level duties in the NDT field. Provides on the job training, examining, qualifying and monitoring nondestructive test personnel. Develops and administers written and practical certification/recertification examinations in accordance with NSTM Chapter 074 Volume 2. Demonstrates strong technical competence and knowledge in the Visual, Magnetic Particle, Liquid Penetrant, Ultrasonic, and Radiographic testing disciplines and the applicable technical documents.

Source Rating: HT
Course: OJT
Sequence Code: 3
Component NEC: 4943 and 4944
Primary Advisor: CNO N769, CNO N779

Billet Paygrades: E7-E9
CIN:
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E6-E9
CDP:
NR Ind: R
Open to Women: Yes
ECM: N132D4

NOTE: To be awarded upon successfully certifying as an Examiner in the VT, MT, PT, RT, and UT inspection methods for Nonnuclear applications. Certification examinations shall be administered in accordance with NSTM Chapter 074 Volume 2. Applicant must have a minimum of one year as a HT-4943 and 4944 and hold the rank of E-7 or above (WAIVERS MAY BE GRANTED FOR E-6 PERSONNEL PROVIDED ALL OTHER PREREQUISITES ARE MET AND WAIVER IS SUBMITTED IAW NSTM CHAPTER 074 VOLUME 2).

HT-4947 Nuclear NDT Examiner

Performs supervisory level duties in the NDT field. Provides on the job training, examining, qualifying and monitoring nondestructive test personnel. Develops and administers written and practical certification/recertification examinations in accordance with NAVSEA 250-1500-1. Demonstrates strong technical competence and knowledge in the Visual, Magnetic Particle, Liquid Penetrant, Ultrasonic, and Radiographic testing disciplines and the applicable technical documents.

Source Rating: HT
Course: OJT
Sequence Code: 3
Component NEC: 4935, 4943 and 4944
Primary Advisor: CNO N769, CNO 879

Billet Paygrades: E7-E9
CIN:
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E7-E9
CDP:
NR Ind: R
Open to Women: Yes
ECM: N132D4

NOTES:

1. To be awarded upon successfully certifying as an inspector in the VT, MT, PT, and RT inspection methods for Nuclear applications. Certification examinations shall be administered in accordance with NAVSEA 250-1500-1. Applicant must hold HT 4935, have a minimum of five years experience as a HT-4943 and HT- 4944 and hold the rank of E7 or above (WAIVER MAY BE GRANTED FOR E-6 PERSONNEL PROVIDED ALL OTHER PREREQUISITES ARE MET AND WAIVER REQUEST IS SUBMITTED PER NAVSEA 250-1500-1). Qualification must be maintained as outlined in NAVSEA 250-1500-1 for nuclear application.

2. CNET has been requested to eliminate future training courses and support for this NEC no later than 1 July 1998 based on defined personnel requirements. No new NECs will be awarded.

HT-4952 Battle Force Intermediate Maintenance Activity (BFIMA) Pipefitter
Performs intermediate-level maintenance procedures fabricating and installing piping in support of BFIMA requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet-specified Job Qualification Requirements (JQRs) for this skill and demonstration of advanced-level proficiency during hands-on training and production work (see www.jqr.navy.mil for current JQR). Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Rating: HT	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC: 4955	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D4

HT-4955 Welders

NOTE: When an HT who is not currently qualified in a specific welding technique is assigned to a welder billet requiring that specialization, welding qualification must be established in accordance with NAVSEA 250-1500-1 or Mil-Standard 248 within three month of reporting on board. If the welders fail to requalify, NAVPERS 1221/1 recommending removal of the specific NEC shall be submitted by the Commanding Officer. The NEC removal must cite the reason for the individual's failure to qualify/requalify and whether the member has performed to the extent of his/her ability. If an extension of requalification time beyond three months is considered appropriate the member's Commanding Officer shall submit a request for a maximum 3-month extension to CHNAVPERS (Pers-402). This request must discuss the reason for the extension.
Subsequent to initial qualification or requalification the welder must maintain qualification when assigned to a welder billet regardless of the duties he./she is performing.

HT-4955 Advance d Welder
Qualified under NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification, to perform categories A, B, C, D and E welds of NAVSEA Technical Manual S9086-CH-STM-010/CH-074, Welding and ALLIED Process.

Source Rating: HT	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-701-0027	CDP: 3434,4900,4899,4898
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 4954	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769, CNO N779	Technical Advisor: NAVSEA	ECM: N132D4

NOTE:
1. HT-4955 personnel in paygrades E7, E8 and E9 may be assigned as HT-4954 and HT-4955 welding supervisors.
2. Prerequisites: HT A School Graduate after October 1999, or previously qualified NEC 4954, or two years fleet experience in the HT rating

SPECIAL WARFARE/DIVER

5301 UDT/SEAL Candidate
Volunteer for Basic Underwater Demolition/Seal (BUD/S), EOD or diver training.

Source Rating:	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N861	Technical Advisor: NAVSEA	ECM: N132D7

NOTE: This NEC will not be used to identify billets. For diver qualifications and NEC source ratings refer to MILPERSMAN 1220-100.

5302 EOD Candidate
Volunteer for Basic Underwater Demolition/Seal (BUD/S), EOD or diver training.

Source Rating:	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes

Primary Advisor: CNO N769 Technical Advisor: NAVSEA ECM: N132D7

NOTE: This NEC will not be used to identify billets. For diver qualifications and NEC source ratings refer to MILPERSMAN 1220-100.

5309 Explosive Ordnance Disposal Mobile Unit (EODMU) Apprentice
Performs demolition, ordnance location and identification, EOD detachment operational support, and staff logistics support to EOD commands.

Source Rating: AB ABE ABF ABH AO BM BU CM CU DM EM EO EN ET GM YN HT IC MM MN OS PH PR QM IT SK SM STG TM EQ DC FT GS IS MA STS PN

	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D7

NOTE: Awarded only to Naval Reserve personnel.

5311 Saturation Diver
Lives and works at depths in a saturated condition for extended periods of time. Operates, maintains, and supports deep dive systems and equipment. Has a working knowledge of underwater salvage tools, construction equipment, and underwater search procedures. Has extensive knowledge of, and experience in, the use of current semi-closed and closed circuit mixed gas diving equipment. Has some knowledge of marine life and dangerous marine animals.

Source Rating:	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: A-433-0033	CDP: 444N
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 5342	Related NEC: 5345	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D7

NOTES:
1. HM personnel must hold NEC 8493.
2. Source Ratings are in accordance with MILPERSMAN 1220-100.

5320-5326 Special Warfare Combatant Swimmers

NOTES:
1. Assignment of NECs 5323, and 5326 are contingent upon successful completion of BUD/S training, Army Basic Parachute Training and six months duty with a Special Warfare Team. For SDV personnel, this six month requirement begins upon reporting to SDV school or to an SDV team, whichever is earlier.
2. Recommendations for assignment or cancellation of NEC 532X will be made solely by a Special Warfare Team Commanding Officer based on an evaluation of an individual's operational proficiency and professional performance.
3. SEAL and SDV mission information is contained in the appropriate naval warfare publications, or may be made available on a need-to-know basis from CNO (N861).
4. See NAVMILPERSMAN 1220-100 for details on screening and qualifications.
5. Candidates may enter BUD/S training with current rate but must laterally convert to a rating listed in MILPERSMAN 1220-100 within 12 months of assignment of NEC 5323 or 5326.

5320 Basic Combatant Swimmer
Demolishes underwater and land objects and obstacles by the use of explosives. Possesses basics of underwater search, surveillance, beach reconnaissance, unconventional warfare, and basic qualifications in the operational use of all types of SCUBA.

Source Rating:	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: K-431-0024	CDP: 169K
	B-300-1110	372B
Sequence Code: 4	RBTR: R-431-0024-01	NR Ind: R
Component NEC:	Related NEC: 5301	Open to Women: No
Primary Advisor: CNO N851	Technical Advisor: NAVSEA	ECM: N132D7

5323 SDV Pilot/Navigator/DDS Operator
Conducts tactical SEAL Delivery Vehicle (SDV) Naval Special Warfare and unconventional warfare operations in the deployed operating environment. Operates and maintains Dry Deck Shelter (DDS). Deploys overland and fly away ancillary systems. Implements quality assurance procedures. Performs parachuting and the demolition of explosives as an essential portion of assigned duties and is qualified in the operational uses of all types of SCUBA.

Source Rating:	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: S-431-0040	CDP: 407C ,529R
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 5320	Related NEC: 5326	Open to Women: No
Primary Advisor: CNO N851	Technical Advisor: NAVSEA	ECM: N132D7

NOTE: Candidates may enter SDV Pilot/Navigator/DDS Operator training with current rate, but must laterally convert to a rating listed in MILPERSMAN 1220-100 within 12 months of assignment of NEC 5323.

5326 Combatant Swimmer (SEAL)

Performs unconventional and special warfare operations in support of fleet, unified, and specified commanders. Collects hydrographic, terrain, and target intelligence in and from coastal, riverine, and other restricted water areas. Performs parachuting and the demolition of explosives as an essential portion of assigned duties and is qualified in the operational use of all types of SCUBA.

Source Rating:	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 5320	Related NEC: 5323	Open to Women: No
Primary Advisor: CNO N851	Technical Advisor: NAVSEA	ECM: N132D7

NOTES:

1. Due to the length of the NEC 5323 qualification/training pipelines, SDV Team Commanding Officers may recommend NEC 5326 after 6 months on board.
2. Candidates may enter Combatant Swimmer training with current rate but must laterally convert to a rating listed in MILPERSMAN 1220-100 within 12 months of assignment of NEC 5326.

5330 Explosive Ordnance Disposal (EOD) Apprentice Diver

Performs basic EOD related diving procedures including bottom and hull searches, day or night, using scuba or surface supplied diving (SSD) equipment. Tests, repairs, and adjusts scuba and associated underwater equipment. Is familiar with MK 12 SSD maintenance procedures. Knows the laws of diving physics and is able to recognize and assist in treatment of all types of decompression sickness.

Source Rating:	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: A-431-0083	CDP: 233U
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D7

5332 EOD Technician

Detects, identifies, renders safe, evaluates and disposes of explosive ordnance (surface and underwater), nuclear weapons, chemical munitions, and biological agents. Dives and performs salvage operations required to render safe and recover any explosive, nuclear, chemical, or biological material located underwater. Conducts day and night underwater search for ordnance. Performs Technical Escort functions to ensure positive, safe and secure delivery of chemical, biological and etiological agents and associated munitions.

Source Rating:	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: A-431-0011	CDP: 341C
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 5330	Related NEC: 5302	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D7

NOTE: Candidates may enter EOD Technician training with current rate but must laterally convert to a rating listed in MILPERSMAN 1220-100 within 12 months of assignment of NEC 5332.

5333 EOD Technician/Parachutist

Source Rating:	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 5332	Related NEC: 5332	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D7

NOTE:

1. NEC awarded upon completion of the following: (1) Army Basic Parachute Training and (2) Parachute Water Insertion Course at an EOD Training and Evaluation Unit.
2. Candidates may enter EOD Technician/Parachutist training with current rate but must laterally convert to a rating listed in MILPERSMAN 1220-100 within 12 months of assignment of NEC 5333.

5334 Senior EOD Technician
Conducts and supervises detection, identification, render safe, evaluation, and disposal of explosive ordnance (surface and underwater), nuclear weapons, chemical munitions, and biological agents. Functions as a diving supervisor and demolition range supervisor.

Source Rating:	Billet Paygrades: E4-E9	Personnel Paygrades: E5-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 5332 or 5333	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D7

NOTES:
1. NEC may be awarded to EOD personnel who have served a minimum of two years as 5332 and have completed the Senior EOD PQS and Screening Board.
2. Source Ratings are in accordance with MILPERSMAN 1220-100.

5335 Senior EOD Technician/Parachutist
Conducts parachute deployments to ships in mid ocean or remote locations ashore with all tools and equipment required to conduct a specific EOD operational requirement.

Source Rating:	Billet Paygrades: E5-E9	Personnel Paygrades: E4-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 5333 or 5334	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D7

NOTES:
1. NEC may be awarded to EOD personnel who have served a minimum of two years as a 5332 or 5333 and have completed the Senior EOD PQS and Screening Board. In addition, 5332 personnel must complete requisite parachute qualifications listed under NEC 5333.
2. Source Ratings are in accordance with MILPERSMAN 1220-100.

5336 Master EOD Technician
Plans, conducts, and supervises EOD operations.

Source Rating:	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 5334 or 5335	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D7

NOTES:
1. NEC may be awarded to EOD personnel who have served a minimum of three years as a 5334 and have completed the Master EOD PQS and EOD PQS Screening Board.
2. Source Ratings are in accordance with MILPERSMAN 1220-100.

5337 Master EOD Technician/Parachutist
Plans, conducts, and supervises EOD operations to include parachute insertion to ships in mid ocean or remote locations ashore.

Source Rating:	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 5334 or 5335 or 5336	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D7

NOTES:
1. NEC may be awarded to EOD personnel who have served a minimum of three years as a 5334 or 5335 and completed the Master EOD PQS and EOD PQS Screening Board. In addition, 5334 personnel must complete requisite parachute qualification listed under NEC 5333.
2. Source Ratings are in accordance with MILPERSMAN 1220-100.

5339 Explosive Ordnance Disposal Mobile Unit (EODMU) Diver

Performs diving, demolition, ordnance location and identification, EOD detachment operational support, and staff and logistics support to EOD commands.

Source Rating:	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC: 5309 and 5345	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D7

NOTES:

1. NEC awarded to Naval Reserve personnel upon completion of courses awarding Component NECs 5309 and 53XX.
2. Candidates may enter EODMU Diver training with current rate but must laterally convert to a rating listed in MILPERSMAN 1220-100 within 12 months of assignment of NEC 5339.

5341 Master Diver

Qualified to supervise air or mixed gas dives using SCUBA and surface support diving equipment. Responsible to the Diving Officer for the safe conduct of diving operations. Proficient in operation of Navy approved underwater breathing equipment, support systems, and recompression chambers as well as in the diagnosis and treatment of diving injuries and illnesses, particularly those requiring recompression therapy. Familiar with operation and emergency procedures for diving systems. Possesses a working knowledge of mixing and analyzing gases including computation of diver gas requirements and consumptions, salvage theory and methods, submarine rescue procedures, towing, and underwater ship husbandry. Manages preventive and corrective maintenance on diving equipment, support systems, salvage machinery, handling systems, and submarine rescue systems. Manages and administers certification and quality assurance programs on Navy approved diving systems and equipment. Conducts training and requalification of divers attached to the command. Ensures divers are trained in emergency procedures. Recommends qualifications of diving supervisors. Possesses a comprehensive knowledge of the scope and application of all naval instructions and publications pertaining to diving. Ensures that proper logs and reports are maintained and submitted as required.

Source Rating:	Billet Paygrades: E7-E9	Personnel Paygrades: E7-E9
Course: Course Mandatory	CIN: A-433-0019	CDP: 2040
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 5311 or 5342	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D7

NOTE: Source Ratings are in accordance with MILPERSMAN 1220-100.

5342 Diver First Class

Qualified to dive using surface supplied mixed gas (HeO2) and all approved air diving apparatus. Performs salvage and rescue operations using underwater tools. Maintains, tests, repairs, and adjusts diving equipment. Assists in planning diving operations. Supervises diving operations as designated by Commanding Officer. Performs underwater work such as taking measurements, making templates and fittings, placing shores, pouring cement, using excavating nozzles, and removing and repairing ships appendages. Uses underwater demolitions for cutting, pushing, and freeing submerged objects. Operates and maintains submarine rescue chambers.

Source Rating:	Billet Paygrades: E4-E8	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: A-433-0025	CDP: 2082
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 5343	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D7

NOTE: Source Ratings are in accordance with MILPERSMAN 1220-100.

5343 Diver Second Class

Qualified to dive using approved air diving apparatus. Performs diving jobs such as applying patches, clearing ship propellers and underwater cutting and welding. Tests, repairs, and adjusts all diving equipment. Dresses and tends divers. Knows the laws of diving physics and is able to recognize symptoms of decompression sickness and diving accidents, and is able to assist in their treatment.

Source Rating:	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: A-433-0022	CDP: 6418
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D7

NOTES:

1. Candidates may enter Diver Second Class training with current rate but must laterally convert to a rating listed in MILPERSMAN 1220-100 within 12 months of assignment of NEC 5343.
2. 1M will remove the NEC 5343 of all Divers Second Class selected for advancement to pay grade E-7 who have not applied and been selected for Diver First Class training within 3 months of selection for advancement. For SELRES Divers Second Class, the period is two years.

5344 Submarine SCUBA Diver

Performs duties using SCUBA. Conducts day and general underwater search, detailed ship-bottom search and routine inspections to a depth of 60 feet using underwater compass, depth indicators and associated underwater equipment. Performs safety swimmer duties. Performs adjustments and field shop maintenance on SCUBA and underwater accessories. Knows the laws of diving and is able to recognize all types of decompression sickness and diving accidents.

Source Rating: EM ET FT HM MM STS	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: CNO N873	ECM: N132D7

5345 Scuba Diver

Performs duties using SCUBA. Conducts day and night general underwater search, detailed ship-bottom search and routine inspection using underwater compass, depth indicators, and associated underwater equipment. Performs adjustments and field shop maintenance on SCUBA and underwater accessories. Knows the laws of diving and physics and is able to recognize all types of decompression sickness and diving accidents.

Source Rating: BM EM EN ET GM HM HT IC MM PH QM STG STS TM		
	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-433-0023 A-433-0052	CDP: 2114, 6419 385G
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D7

5346 Master Saturation Diver

Plans and directs, under the direction of a Diving Officer, all diving operations including those involving saturation techniques.

Source Rating:	Billet Paygrades: E7-E9	Personnel Paygrades: E7-E9
Course: Course Mandatory	CIN: A-433-0019	CDP: 2040
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 5311 or 5341	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N132D7

NOTE: Source Ratings are in accordance with MILPERSMAN 1220-100.

5348 Marine Mammal Systems Operator

Performs specialized duties in connection with operations using marine mammals. Responsible for the care, welfare, and continuous training of assigned marine mammals to ensure physical condition and behavioral proficiency is maintained. Operates sophisticated navigational equipment and small craft. Performs diving duties. Prepares and maintains administrative reports and animal health records associated with the use of marine mammals.

Source Rating:	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-431-0049	CDP: 066F
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D7

NOTE: Only personnel holding NEC 5311, 533X, 534X or 8493 are eligible for this NEC

5350 Special Warfare Combatant Crewman (SWCC) Basic

Personnel will perform as Special Warfare Combatant Crewman in the basic operation and maintenance of various Special Warfare Combatant Craft while assigned to a Special Warfare Command. Operates from coastal, riverine, and other restricted water areas.

Source Rating:	Billet Paygrades: E4-E5	Personnel Paygrades: E4-E5
Course:	CIN: K-060-0030	CDP: 151J
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: No

Primary Advisor: CNO N851 Technical Advisor: SPECWAR ECM: N132D7

NOTES:
1. SWCC program open to male ground combat volunteers only.
2. MILPERSMAN 1220-340 addresses Naval Special Warfare Crewmember certification and waiver requirements.
3. CT rates: Eligible for NEC 5350 only (course mandatory) when assigned to UICs 31931 and 31932; removed when reassigned.

5351 Special Warfare Combatant Crewman (SWCC) Intermediate
Personnel will perform as Special Warfare Combatant Crewman in the intermediate operation and maintenance of various Special Warfare Combatant Craft while assigned to a Special Warfare Command. Operates from coastal, riverine, and other restricted water areas. The Intermediate Crewman will perform unconventional and special warfare operations in support of fleet, unified, and specified commanders.

Source Rating:	Billet Paygrades: E4-E8	Personnel Paygrades: E4-E8
Course: PQS	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC: 5350	Related NEC:	Open to Women: No
Primary Advisor: CNO N851	Technical Advisor: SPECWAR	ECM: N132D7

NOTES:
1. SWCC program open to male ground combat volunteers only.
2. MILPERSMAN 1220-340 addresses Naval Special Warfare Crewmember certification and waiver requirements.
3. NEC may be earned upon successful completion of PQS and 6 to 9 months OJT at a Special Warfare Command. Submit NAVPERS 1221/1 with Commanding Officer's endorsement to EPMAC (Code 50) via ECM (N13).

5352 Special Warfare Combatant Crewman (SWCC) Advanced
Personnel will plan, conduct, and supervise Combatant Craft operations throughout the spectrum of special warfare missions within Special Warfare Commands.

Source Rating: BM EM EN ET GM QM DC	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Initial Tour	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 5351	Related NEC:	Open to Women: No
Primary Advisor: CNO N851	Technical Advisor: SPECWAR	ECM: N132D7

NOTES:
1. SWCC program open to male ground combat volunteers only.
2. MILPERSMAN 1220-340 addresses Naval Special Warfare Crewmember certification and waiver requirements.
3. NEC may be earned upon completion of successful tour at a Special Warfare Command and recommendation of unit screening board. Submit EPMAC 1221/2 with Commanding Officer's endorsement to EPMAC (Code 49) via ECM (N13).

5375 Salvage/Construction Demolition Diver
Dives and performs underwater demolition for the purpose of open ocean salvage, ship husbandry, or underwater construction operations. Employs the principle and techniques of precision demolition in projects requiring cutting, flattening and/or removing of pilings, obsolete moorings, or other obstructions in channels, harbors, open oceans, or other areas of concern.

Source Rating: BU SW CE CU UT UC EO EQ CM EA BM EM EN ET FT GM HM HT IC MM MR OS PH PR QM IT SM STG TM

	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-433-0048	CDP: 262Y
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D7

NOTE: Only personnel holding NEC 5342 or 5931 are eligible to earn this NEC.

ENGINEERING AID

EA-5501 Construction Inspector
Reviews and analyzes project construction drawings and specifications and prepares a Construction Inspection Plan including a checklist of inspection points during critical phases of construction and installation. Verifies that all materials and/or equipment ordered meet applicable project specifications and certifies their conformance to these specifications upon receipt. Inspects all phases of construction and installation, including civil, architectural and structural, electrical and mechanical, for compliance with drawings, specifications and acceptable safe operating, installation, and construction practices. Schedules, coordinates, and observes tests on electrical and mechanical systems (includes operational tests on installed

equipment) and arranges for quality control tests on such items as sub-base materials, aggregates and cementitious binders and on related mixes before, during and after installation. Prepares logs, records and reports on all inspections, and tests.

Source Rating: EA BU CE EO SW UT	Billet Paygrades: E6-E7	Personnel Paygrades: E6-E7
Course: Course Mandatory	CIN: A-710-0022	CDP: 365V, 366X
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

NOTE: Personnel attached to the Reserve Naval Construction Force (RNCF) are awarded NECs EA-5501 and EA-5503 based on the recommendation of individual Commanding Officer of RNCF units and the approval of the Commanding Officer, Naval Reserve Personnel Command (NRPC) in lieu of completion of applicable courses.

EA-5503 Advanced Engineering Aid

Employs the principles and techniques of foremanship. Solves mathematical problems commonly encountered by personnel in the Engineering Aid rating. Designs a twenty-four foot wide, one thousand eight hundred foot long segment of paved highway. Computes the optimum orientation for a single runway. Adjusts a quadrilateral triangulation system and computes the coordinates of each station. Estimates the material requirements for, plans and schedules the construction of, an advanced base administration building, using the Network Analysis System concept. Explores, identifies, classifies, and stabilizes soils. Identifies and tests bituminous paving mixes using the Marshall Method of mix design. Designs a concrete mix, tests mix ingredients, tests the wet mix, and performs both flexural and compressive strength tests upon the cured mix.

Source Rating: EA	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6
Course: Course Mandatory	CIN: A-412-0015	CDP: 350N, 350X
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

NOTE: Reserve personnel may earn this NEC upon completion of the Personnel Readiness Capabilities Program (PRCP) equivalency skills listed in NAVFAC PUB P-458.

CONSTRUCTION ELECTRICIAN

CE-5601 Uninterruptible Power Supply (UPS) Maintenance

Performs preventive and corrective maintenance on solid state static UPS systems. Performs troubleshooting, fault isolation and journeyman level repair of assemblies, subassemblies, printed circuit assemblies, or other plug-in components of the UPS system.

Source Rating: CE	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR: R-662-0156-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

Notes:

(a) Seabees detailed to UPS maintenance billets will be sent enroute to the prerequisite, 58-day Common Electronic Training course conducted by USAF Technical Training School, Keesler AFB, MS

(b) Each major claimant must define and provide funding at the command level of the applicable follow-on civilian factory training.

(c) Navy UPS systems are manufactured by Emerson or Exide Corp. NAVFACENGCOM and NAVFACENGSERCTR will provide technical assistance as requested to obtain factory training.

(d) The Enlisted Community Manager will award NEC CE-5601 after completion of both the prerequisite Air Force course and the factory training.

CE-5633 Mobile Utilities Support Equipment (MUSE) Technician

Performs tasks associated with the initial installation, removal, operation, and troubleshooting of Mobile Utilities Support Equipment (MUSE), which include transportable 750 to 2500 KW diesel or gas turbine driven electrical generators, 1500 to 5000 KVA electrical substations, 11 to 75 KLBS/HR steam generators, and 60 gph water treatment units.

Source Rating: CE CM EO SW UT UC EQ CU	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-661-0036	CDP: 1128
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

NOTE: Billets require Commander Naval Facilities Engineering Command's concurrence to be coded with this NEC.

CE-5635 Advanced Construction Electrician

Employs the principles and techniques of foremanship. Applies advanced principles of electrical theory. Plans and troubleshoots to a component level. Installs and maintains an airfield lighting system and electrical transmission system. Operates and maintains electrical power plants. Must be familiar with the fundamentals of solid state circuitry. Locates faults in cables and splices them. Operates and maintains interoffice communications systems, local and common battery telephone systems, and switchboards. Plans and installs interior wiring and lighting systems.

Source Rating: CE	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6
Course: Course Mandatory	CIN: A-721-0019	CDP: 466Y, 4023
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

NOTE: Reserve personnel may earn this NEC upon completion of the Personnel Readiness Capabilities Program (PRCP) equivalency skills listed in NAVFAC PUB P-458.

CE-5642 Central Office Exchange Technician

Installs, tests, and maintains digital and fiber optic cable circuits and lines for single and multi-line telephone systems and their associated equipment and for C4 computer systems. Monitors and analyzes digital switching performance using logs and operational reports.

Source Rating: CE ET IC	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6
Course: Course Mandatory	CIN: A-622-0011	CDP: 385U,626H
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

NOTE: NEC is awarded upon completion of both Air Force courses J3ABR2E633-002, the Basic Telephone course, and J3AZR2E652-007, the Fiber Optics Course.

CE-5644 Cable Splicing Technician

Reads and interprets manufactures' drawings to splice and terminate single and multiple conductor cables used in high voltage distribution systems. Reads and interprets manufactures' drawings to splice and terminate communication cables using copper and fiber optic technology. Uses test equipment to locate faults and splice losses in power and communication cables and splices.

Source Rating: CE	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6
Course: Course Mandatory	CIN: A-721-0023	CDP: 4069
Sequence Code: 6	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

EQUIPMENT OPERATOR

EO-5707 Water Well Drilling Technician

Determines the geographical area most suitable for developing a water supply. Sets up and operates well drilling machine (rotary, rotary/pneumatic and/or percussion rig) to drill water wells. Hoists tubular casing and drill steel making necessary connections. Manipulates levers to control drill and drive casing. Operates drilling rig using drilling fluids as required. Removes samples of subterrain. Develops the water supply, tests water for purity and the well for yield and draw down.

Source Rating: EO CM UT	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: A-730-0014	CDP: 3294
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

NOTES:

1. Personnel attached to the Reserve Naval Construction Force (RNCF) are awarded NECs EO-5707, EO-5708, and EO-5710 based on the recommendation of individual Commanding Officer of RNCF units and the approval of the Commanding Officer, Naval Reserve Personnel Command (NRPC) in lieu of completion of applicable courses.
2. NEC 5707 will be awarded for a specific period of three years. Recertification will be by a written test developed and administered by the Naval Construction Training Centers.

EO-5708 Blaster

Establishes and maintains blaster qualification certification program. Notes geologic formations and determines bore locations for the placement of explosives required for clearing sites, excavating for construction, and obtaining rock for quarry operations to include stock piling and rock crushing.

Transfer explosives from magazine to blasting site. Places explosives and detonates charge by fuse, non-electrical detonator, shock tube detonator, and/or electrical detonation. Evaluates and records events of explosive detonations. Overseas stowage of blasting materials and maintains records of expended and stowed explosives.

Source Rating: EO EA BU CE CM SW UT	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN: A-730-0019 A-730-0021	CDP: 3152 021M
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

NOTES:
(a) Personnel assigned to billets designated with the NEC must possess a certificate of qualification, valid for 12 months, issued by certifying school and must re-certify annually in accordance with:
1. Shore activities - OPNAVINST 8020.14 series.
2. Naval Construction Forces (NCF) CINCLANTFLT/CINCPACFLTINST 8023.5 series.
3. Selected Reserve personnel may re-certify biannually as authorized by CNO ltr 8020 Ser 411F/4U385314 of 7 Aug 84 (NOTAL).
4. All non-certified blasters will not be eligible for Special Duty assignment Pay (SDAP).
5. Except EO, other rates listed in the source rating must hold NEC BU-5931 or BU-5932 to be awarded the NEC.
6. Personnel must meet the standards of NAVMED P-117, Sections III and IV, prior to attending school.

EO-5710 Advanced Equipment Operator
Employs the principles and techniques of foremanship. Solves basic mathematics problems related to earthwork production and equipment effectiveness. Applies advanced principles of earthwork. Applies advanced principles of asphalt mixing and paving, and techniques of increasing production rate. Operates, adjusts and services asphalt distributors, mixing plants, and pavers. Operates, adjusts, and services cranes with attachment. Operates, adjusts, and services crawler and wheel tractors with attachments and scrapers. Operates, adjusts, and services ditchers, motorized graders and road rollers. Operates, adjusts, and services rock crushers.

Source Rating: EO	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6
Course: Course Mandatory	CIN: A-730-0011	CDP: 466X, 4024
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

NOTE: Reserve personnel may earn this NEC upon completion of the Personnel Readiness Capabilities Program (PRCP) equivalency skills listed in NAVFAC PUB P-458.

EO-5712 Elevated Causeway System (Modular) Specialist
Installs, operates, maintains, and retrieves the Elevated Causeway System (Modular) in support of the Strategic Sealift Program, Container Offloading and Discharge System. Operates ELCAS (M) support equipment to offload system from the barge ferry. Transports system to assembly/erection site.

Source Rating: EO SW CM EA CE	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course:	CIN: K-062-0102	CDP: 315V
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CIVIL ENG, CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

CONSTRUCTION MECHANIC

CM-5805 Advanced Construction Mechanic
Employs the principles and techniques of foremanship. Troubleshoots, overhauls, and maintains gasoline and diesel engines. Troubleshoots, overhauls, and maintains equipment power trains, chassis, and component assemblies. Reconditions hydraulic valves and cylinders. Analyzes and tests electrical and fuel injection systems utilizing appropriate test equipment.

Source Rating: CM	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6
Course: Course Mandatory	CIN: A-610-0011	CDP: 460A, 4025
Sequence Code: 3	RBTR: R-610-0011-01	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

NOTE: Reserve personnel may earn this NEC upon completion of the Personnel Readiness Capabilities Program (PRCP) equivalency skills listed in NAVFAC PUB P-458.

BUILDER

BU-5907 Advanced Builder

Employs the principles and techniques of foremanship. Mixes, places, finishes, and cures concrete. Constructs forms for concrete construction. Performs masonry construction. Frames floors, walls, stairs, and roofs. Erects waterfront, heavy timber and advanced base structures, and operates and maintains shop tools and equipment. These tools include electric saws, sanders, planers, routers, drills, and other millworking tools.

Source Rating: BU	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6
Course: Course Mandatory	CIN: A-710-0011	CDP: 541X, 4026
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

NOTE:
1. Personnel attached to the Reserve Naval Construction Force (RNCF) are awarded NECs BU-5907, BU-5908, and BU-5915 based on the recommendation of individual Commanding Officer of RNCF units and the approval of the Commanding Officer, Naval Reserve Personnel Command (NRPC) in lieu of completion of applicable courses. This NOTE does not apply to NECs BU-5931 and BU-5932.
2. Reserve personnel may earn this NEC upon completion of the Personnel Readiness Capabilities Program (PRCP) equivalency skills listed in NAVFAC PUB P-458.

BU-5908 Tool and Equipment Technician

Installs and performs organizational and/or intermediate level maintenance on building trades shop equipment. Maintains and repairs portable, powered hand tools associated with construction skills. Gums, sharpens and sets saw blades. Splices band saw blades. Grinds and sharpens cutting tools. Maintains files of manufacturer's maintenance and spare parts list. Coordinates stocking and procurement of parts. Establishes preventive maintenance schedules. Records data on major repairs.

Source Rating: BU	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6
Course: Course Mandatory	CIN: A-712-0010	CDP: 346E, 351P
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

BU-5915 Construction Planner and Estimator Specialist

Plans and estimates material, manpower, and equipment requirements for various construction jobs. Performs scheduling, procurement, production control, and management reporting of construction projects.

Source Rating: BU CE SW UT EO	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN: A-412-0012	CDP: 3140, 350Z
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

BU-5931 Advanced Underwater Construction Technician

Qualified to dive and perform underwater construction operations using approved air diving apparatus, underwater tools, equipment, materials and techniques. Employs the principles and techniques of foremanship on underwater inspection, repair, construction and demolition projects. Estimates the material, manpower and supervises execution of underwater projects. Supervises diving and demolition operations as designated by the Commanding Officer.

Source Rating: BU SW CE UT EO CM EA CU UC EQ		
	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-433-0037	CDP: 4502
Sequence Code: 2	RBTR:	NR Ind: R
Component NEC: 5932 5342	Related NEC: None	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

NOTES:
1. 24 months duty with an Underwater Construction Team is required.
2. Recommendation of an OIC of a UCT or the Commanding Officer of NCEL is required.
3. Must hold valid SECRET clearance.
4. Advanced Underwater Construction Technician School (A-433-0037) must be started within one year of completion of First Class Diving School (A-433-0025).

BU-5932 Basic Underwater Construction Technician

Qualified to dive and perform underwater construction operations using approved air diving appartus, underwater tools equipment, materials and techniques. Performs underwater tasks such as underwater excavation, cutting and welding, concrete forming and placement, cable and pipeline installation, sea floor surveying, component assembly and emplacement, system testing and material condition inspection. Employs the principle and techniques of precision demolition in projects requiring cutting, flattening or removal of pilings, obsolete mooring, or other obstruction in channels, harbors, open oceans, or other areas of concern. Performs rigging, marlin spike seamanship and small boat handling. Tests, repairs, and adjust all diving equipment. Dresses and tends divers. Knows the laws of diving physics and is able to recognize symptoms of decompression sickness and diving accidents, and is able to assist in their treatment.

Source Rating: BU SW CE UT EO CM EA	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: A-433-0036	CDP: 4500
Sequence Code: 2	RBTR:	NR Ind: A
Component NEC:	Related NEC: None	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

STEELWORKER

SW-6010 Advanced Steelworker

Employs the principles and techniques of foremanship, job planning, job control elements, and the responsibilities for safety. Works basic mathematical problems involving sheetmetal layout, strength of wire rope and fiber line. Repairs welding equipment, welds ferrous and nonferrous metals, wrinkle bends pipe, lays out, and prepares plate and pipe joints to be welded in the vertical and overhead positions. GMA/GTA welds nonferrous metals in the flat position. Knows the nomenclature of pontoons, butler buildings, steel towers, bolted steel tanks, and AM-2 aluminum airfield mats. Knows the procedures of assembly and disassembly of steel structures. Performs practical work in the field under supervision, estimates, and plans minor jobs as to material and personnel. Lays out and splices wire rope and applies wire rope attachment and lays out and fabricates sheetmetal parts and joins the parts by riveting, soldering, spotwelding, or seaming.

Source Rating: SW	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6
Course: Course Mandatory	CIN: A-711-0018	CDP: 351L, 346D
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

NOTES:

1. Personnel attached to the Reserve Naval Mobile Construction Battalion (RNMCB) are awarded NECs SW-6010 and SW-6021 based on the recommendation of individual Commanding Officer, RNMCB and approved by Commanding Officer, Naval Reserve Personnel Command (NRPC) in lieu of completing applicable course.
2. Reserve personnel may earn this NEC upon completion of the Personnel Readiness Capabilities Program (PRCP) equivalency skills listed in NAVFAC PUB P-458.

SW-6021 Safety Inspector

Organizes and directs the operation of the safety department. Investigates accidents, analyzes accidents and problem areas, and recommends methods to decrease frequency and/or eliminate accidents. Collects data to ascertain accident trends. Inspects project sites, grounds, buildings, and machinery to isolate hazards to life, health, and equipment. Conducts safety education campaigns by preparing and/or distributing literature, posters, charts, and displays. Organizes and directs safety committee. Directs placement of traffic control signs and devices.

Source Rating: BU SW CE UT EO CM EA	Billet Paygrades: E6-E8	Personnel Paygrades: E6-E8
Course: Course Mandatory	CIN: A-493-0021	CDP: 224L
Sequence Code: 7	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

NOTE: Personnel attached to the Reserve Naval Mobile Construction Battalion (RNMCB) are awarded NECs SW-6010 and SW-6021 based on the recommendation of individual Commanding Officer, RNMCB and approved by Commanding Officer, Naval Reserve Personnel Command (NRPC) in lieu of completing applicable course.

UTILITIESMAN

UT-6104 Shore Based Refrigeration and Air Conditioning Technician

Installs, operates, and performs organizational and/or intermediate level maintenance on refrigeration, air conditioning, water cooling equipment, cube and flake ice machines, and block ice manufacturing plants. Performs refrigerant recovery and recycling in accordance with section 608 of the Clean Air Act, as amended. Type I and II certification, in accordance with EPA mandate, is required.

Source Rating: UT	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6

Course: Course Mandatory	CIN: A-720-0035	CDP: 593U
Sequence Code: 4	RBTR: R-720-0034-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

NOTE: Personnel attached to the Reserve Naval Mobile Construction Battalion (RNMCB) are awarded this NEC based on the recommendation of individual Commanding Officer, RNMCB and approved by Commanding Officer, Naval Reserve Personnel Command (NRPC) in lieu of completing applicable courses.

UT-6105 Advanced Utilitiesman

Employs the principles and techniques of foremanship. Operates water treatment equipment, water supply, and sewage treatment equipment. Installs water distribution and sewage systems. Operates and maintains boilers, air conditioning, and refrigeration equipment. Determines efficient crew sizes and equipment and material requirements. Prepares a critical path schedule and arrow design.

Source Rating: UT	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6
Course: Course Mandatory	CIN: A-720-0013	CDP: 466Z, 4028
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N44	Technical Advisor: NAVFACENG	ECM: N132D16

NOTES:

1. Reserve personnel may earn this NEC upon completion of the Personnel Readiness Capabilities Program (PRCP) equivalency skills listed in NAVFAC PUB P-458.
2. Personnel attached to the Naval Reserve Naval Mobile Construction Battalion (RNMCB) are awarded this NEC based on the recommendation of individual Commanding Officer, RNMCB and approved by CO, Naval Reserve Personnel Command (NRPC) in lieu of completing applicable courses.

AVIATION MAINTENANCE ADMINISTRATIONMAN

AZ-6301 Enhanced Comprehensive Asset Management Systems (ECAMS) Operator

Performs all operator, tape drive mount and dismount, hard drive, and data entry and retrieval functions. Performs networking functions between individual stations and the central data base, including analysis and correction of errors caused by software, hardware, or data entry. Creates archives, back-ups, tape builds, and data saves in support of deployments and detachment operations. Responsible for ADP security, password and user ID management. Transmits and receives data via floppy disk, data tape, modem, and other electronic means. Validates and corrects erroneous central data bases. Extracts data, formulates, and interprets management reports. Performs preventive maintenance on mini-type computer systems and associated equipment.

Source Rating: AZ	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIND: E-600-0606	CDP: 564H
Sequence Code: 4	RBTR: R-150-3896-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AZ-6302 Similar To Automated Maintenance Environment Operator

Performs all operator, data entry, and retrieval functions. Performs networking functions between individual stations, including analysis and correction of errors caused by software, hardware, or data entry. Transmits and receives data via floppy disk, modem , and other electronic means. Extracts data, formulates and interprets management reports, creates archives, backups, and data saves in support of deployments and detachment operations.

Rating: AZ	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Pending	CIN:	CDP:
Sequence code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC: 6301	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AZ-6303 Optimized NALCOMIS Database Administrator/Analyst OMA

The Optimized NALCOMIS SA/A OMA performs SA functions using database and computer skills to support NALCOMIS at OMA. In addition to aviation other maintenance related duties the SA/A performs the following day-to-day NALCOMIS functions: Coordinates the operates and upkeep of the NALCOMIS for OMA. Ensure system security, database integrity and configuration management is maintained. Optimized NALCOMIS OMA shall utilize two way data replication as preferred means of data movement between Optimized NALCOMIS OMA activities and Naval Aviation Logistics Data Analysis for Configuration changes, Technical Directives, Work Orders and Flight Documents.

Source Rating: AZ	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7

Course: Pending	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC: 6315	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N131D2

AZ-6304 Optimized NALCOMIS Database Administrator/ Analyst IMA

The Optimized NALCOMIS DBA/A is responsible for the daily upkeep of the Intermediate Maintenance Activities (IMAs) afloat and ashore maintenance databases. Performs a variety of functional processes using NTCSS Desktop II. Changes NTCSS passwords, monitors and manages print request and printer configurations, views and monitors the NTCSS System Information. Broadcast messages to NTCSS users and manages user log-on capabilities, locks and unlock user capabilities, changes NTCSS application process limits. Monitors and manages server processes and schedules and rejects jobs. Adds, edits, and deletes pre-defined jobs. Maintains system security and advises the System Administrator (SA) on matters pertaining to Optimized NALCOMIS IMA. Inputs, extracts, analyze and validates maintenance data; develops and interprets management reports, monitor input of data and the parameters for up, line reporting and related interface requirements. Performs Analysis of aviation data as directed by the AIMD officer and in support of the NAMP requirements. Principal advisor to the Data Processing System Administrator on matter pertaining to the IMA NALCOMIS maintenance database and responsible for training IMA personnel in AV-3M documentation.

Source Rating: AZ	Billet Paygrades: E5-E7	Personnel Paygrade: E5-E7
Course: Pending	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC: 6314	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N131D2

AZ-6314 Naval Aviation Logistics Command Management Information System (NALCOMIS) Data Base Administrator/Analyst (DBA/A)

Performs functions of a NALCOMIS Data Base Administrator/Analyst (DBA/A), uses database computer skills to support NALCOMIS at Intermediate Maintenance Activities (IMAs) afloat and ashore. Coordinates the operation and maintenance of NALCOMIS for the IMA maintenance department. Ensures system security, database integrity and configuration is maintained. Inputs, extracts, analyzes and validates AV3M maintenance data, develops and interprets management reports, monitors input of data and prepares the parameters for up line reporting and related interface requirements. Processes aviation maintenance documentation data. Principal advisor to the Data Processing System Administrator on matters pertaining to the IMA NALCOMIS maintenance database and provides training on the use on AV3M documentation.

Source Rating: AZ	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: C-555-2015	CDP: 436T
Sequence Code: 3	RBTR: R-555-2012-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AZ-6315 Naval Aviation Logistics Command Management Information System (NALCOMIS) System Administrator/Analyst (SA/A)

Performs NALCOMIS System Administrator functions using database and computer skills to support NALCOMIS at Organizational Maintenance Activities (OMA) afloat and ashore. Coordinates operation and maintenance of NALCOMIS for the OMA. Ensures system security, database integrity and configuration is maintained. Inputs, extracts, analyzes and validates AV3M maintenance data, develops and interprets management reports, monitors input of data and prepares the parameters for up line reporting and related interface requirements. Processes aviation maintenance documentation data using magnetic/electronic media. Principal advisor on matters pertaining to the operation of NALCOMIS at the activity. Provides training to the user on AV3M documentation. Performs diagnostics, trouble shooting, maintenance and upkeep on NALCOMIS equipment.

Source Rating: AZ	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: C-555-2016	CDP: 436W
Sequence Code: 3	RBTR: R-555-2013-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AVIATION MACHINIST'S MATE

AD-6403 Oil Analysis Operator/Evaluator

Performs analysis and evaluation of oils/lubricants. Uses spectrometric analysis to evaluate oil/lubricants for wear metals. Uses physical property tests to evaluate oil/lubricants for properties such as viscosity, particulate presents, water, or other chemical presents and flash point. Maintains records of analytical data. Performs trend analysis. Recommends subsequent actions and reports findings.

Source Rating: AD MM GSM EN	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN: A-491-0017	CDP: 624R
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AD-6410 F-110 Turbofan Jet Engine First Degree Repair/IMA Technician
Performs intermediate maintenance on the F110-GE-400 engines.

Source Rating: AD AF	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: D-601-3040	CDP: 557F
Sequence Code: 5	RBTR: R-601-3040-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AD-6415 TF-30 Turbofan Jet Engine First Degree Repair/IMA Mechanic
Performs hot/cold section inspection, and removal, inspection, and repair of engine system components.

Source Rating: AD AF	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: D-601-3005	CDP: 558B
Sequence Code: 5	RBTR: R-601-3005-01, R-601-3005-02 R-601-3005-03	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AD-6416 J-52 Turbojet Engine First Degree/IMA Mechanic
Performs first degree intermediate level maintenance, as specified in the Naval Air Maintenance Program, on the J-52 Turbojet engine.

Source Rating: AD AF	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: E-601-3003	CDP: 565M
Sequence Code: 5	RBTR: R-601-3003-03, R-601-3003-07 R-601-3003-11, R-601-3003-13	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AD-6417 T-400 Turboshaft Jet Engine First Degree Repair/IMA Mechanic
Performs first degree intermediate maintenance on turboshaft jet engines including induction, removal/installation of QEC kits, disassembly/repair/assembly of major engine components, and preservation/depreservation of engine and engine components.

Source Rating: AD AF	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: C-601-3137	CDP: 4637
Sequence Code: 5	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AD-6418 T-56 Turboprop Engine and 54H60 Series Propeller First Degree/IMA Mechanic
Performs first degree intermediate level maintenance on the T-56 turboprop engine and 54H60 series propeller in support of P-3/C-130 aircraft, as specified in the Naval Air Maintenance Program.

Source Rating: AD	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: D-601-3001 E-601-3001 M-601-3013	CDP: 554F 949G 182D
Sequence Code: 5	RBTR: R-601-3001-02, R-601-3001-07 R-601-3201-01	NR Ind: R
Component NEC:	Related NEC: 6423	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AD-6419 T-58 Turboshaft Jet Engine First Degree/IMA Mechanic
Performs first degree intermediate maintenance on the turboshaft jet engine including induction, 600-hour inspection, removal/installation of QEC kits, disassembly/repair/assembly of major engine components, and preservation/depreservation of engine components.

Source Rating: AD AF	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: D-601-3008 E-601-3008	CDP: 556F 330Z
Sequence Code: 5	RBTR: R-601-3008-09 R-601-3008-11	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes

Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

AD-6420 F-404 Turbofan Jet Engine First Degree/IMA Mechanic
Performs first degree intermediate level maintenance and required engine inspections. Incorporates engine technical directives.

Source Rating: AD | Billet Paygrades: E3-E7 | Personnel Paygrades: E3-E7
Course: Course Mandatory | CIN: D-601-3015 E-601-3015 | CDP: 0359 564L
Sequence Code: 5 | RBTR: R-601-3015-01, R-601-3015-03 R-601-3015-07 | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

AD-6421 TF-34 Turbofan Jet Engine First Degree/IMA Mechanic
Performs hot/cold section inspection, removal/inspection/repair of engine system components, and inspection/replacement/repair of QEC kits and external engine components.

Source Rating: AD | Billet Paygrades: E3-E7 | Personnel Paygrades: E3-E7
Course: Course Mandatory | CIN: E-601-3010 | CDP: 569T
Sequence Code: 5 | RBTR: R-601-3010-01 | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

AD-6422 Test Cell Operator/Maintainer
Operates aircraft engine test cells and portable test facilities in order to test and evaluate engine performance. Performs pre-run-up, inspection, powerplant test, recording, and evaluation of data. Performs periodic maintenance, corrosion control and minor repair of aircraft engine test systems.

Source Rating: AD | Billet Paygrades: E3-E7 | Personnel Paygrades: E3-E7
Course: OJT | CIN: | CDP:
Sequence Code: 5 | RBTR: R-601-3005-01, R-601-3030-01 R-601-3030-04 | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

NOTE: NEC is awarded in accordance with OPNAVINST 4790.2 series, Volume I, Chapter 16.

AD-6423 T-56-425/427 Turboprop Engine and Propeller IMA Mechanic
Performs second degree maintenance on the T-56 Turboprop quick engine change assembly and first degree repair on the 54460-1 propeller in support of E2/C2 aircraft. Performs scheduled/unscheduled maintenance and preserves and depreserves engine and gearbox assemblies.

Source Rating: AD | Billet Paygrades: E3-E6 | Personnel Paygrades: E3-E6
Course: Course Mandatory | CIN: E-601-3011 | CDP: 561R
Sequence Code: 5 | RBTR: R-601-3011-01, R-601-3011-07 | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

AD-6424 T-64 Turboshaft Jet Engine First Degree/IMA Mechanic
Performs first degree intermediate level maintenance, as specified in the Naval Air Maintenance Program, on the T-64 Turboshaft jet engine.

Source Rating: AD | Billet Paygrades: E3-E7 | Personnel Paygrades: E3-E7
Course: Course Mandatory | CIN: M-601-3000 | CDP: 217V
Sequence Code: 5 | RBTR: R-601-3000-01 | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

AD- 6425 F414-GE-400 Turbofan Jet Engine Third Degree/IMA Mechanic
Will perform third degree maintenance at the Intermediate Level on the F414-GE-400 Turbofan Jet Engine in support of the F/A-18E/F aircraft. Support of this engine includes but is not limited to the troubleshooting of various electronic control components including the Full Authority Digital Electronic Control (FADEC), removal and replacement of various engine modules, and required inspections.

Rating: AD | Billet Paygrades: E3-E6 | Personnel Paygrades: E3-E6
Course: Course Mandatory | CIN: E-601-3012 | CDP:632T
Sequence Code: 4 | RBTR: | NR Ind: A

Component NEC: Related NEC: 6420 Open to Women: Yes
Primary Advisor: CNO N789 Technical Advisor: NAVAIR ECM: N132D1

AD-6426 T-700 Turboshaft Jet Engine First Degree/IMA Mechanic
Performs first degree intermediate level maintenance, as specified in the Naval Air Maintenance Program, on the T-700 Turboshaft jet engine.

Source Rating: AD Billet Paygrades: E4-E6 Personnel Paygrades: E4-E6
Course: Course Mandatory CIN: D-601-3019 CDP: 560F
E-601-3019 567P
Sequence Code: 5 RBTR: R-601-3019-03 NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N789 Technical Advisor: NAVAIR ECM: N132D1

AD-6428 Helicopter Rotors/Related Components IMA Mechanic
Performs intermediate level maintenance on rotors and related components to include disassembly, cleaning, inspection, repair, assembly, preservation, and depreservation.

Source Rating: AD Billet Paygrades: E3-E7 Personnel Paygrades: E3-E7
Course: Course Mandatory CIN: M-601-3090 CDP: 217X
Sequence Code: 5 RBTR: R-601-3025-02 NR Ind: N
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N789 Technical Advisor: NAVAIR ECM: N132D1

AVIATION ELECTRONICS TECHNICIAN

AT-6526 Aviation ASW (MAD) IMA Technician
Performs intermediate level maintenance on assigned aviation ASW systems.

Source Rating: AT Billet Paygrades: E4-E7 Personnel Paygrades: E3-E8
Course: Course Mandatory CIN: E-130-9057 CDP: 948R
D-130-9057 552T
Sequence Code: 5 RBTR: R-130-9055-03, R-130-9057-01 NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N789 Technical Advisor: NAVAIR ECM: N132D2

AT-6527 Aviation ASW (Airborne Sonar) IMA Technician
Performs intermediate level maintenance on assigned aviation ASW systems.

Source Rating: AT Billet Paygrades: E3-E7 Personnel Paygrades: E3-E8
Course: Course Mandatory CIN: E-130-9052 CDP: 567W
Sequence Code: 5 RBTR: R-130-9050-01 NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N789 Technical Advisor: NAVAIR ECM: N132D2

NOTE: Qualified to maintain AQS-13F sonar.

AT-6529 ASW Sonobuoy Receivers and Recorder Group IMA Technician
Performs intermediate level maintenance on assigned aviation ASW systems.

Source Rating: AT Billet Paygrades: E4-E7 Personnel Paygrades: E3-E8
Course: Course Mandatory CIN: D-130-9072 CDP: 552U
E-130-9072 948U
Sequence Code: 5 RBTR: R-130-9001-02 NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N789 Technical Advisor: NAVAIR ECM: N132D2

Note: Reserves must also attend courses C-102-3598 and C-102-3568

AT-6534 AQA-7 DIFAR System IMA Technician
Performs intermediate level maintenance on AQA-7 recorder system ARAs. Maintains AQM-18 test central.

Source Rating: AT Billet Paygrades: E4-E7 Personnel Paygrades: E3-E8
Course: Course Mandatory CIN: D-130-9064 CDP: 552V

Sequence Code: 5 | RBTR: R-130-9006-10 | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

AT-6582 P-3A/B Weapons System OMA Technician
Performs organizational level maintenance on the entire avionics system of the P-3A/B aircraft.

Source Rating: AT AV | Billet Paygrades: E3-E9 | Personnel Paygrades: E3-E9
Course: OJT | CIN: | CDP:
Sequence Code: 4 | RBTR: R-102-1026-01 | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

AT-6605 Aircraft Radar Altimeter Equipment IMA Technician
Performs intermediate level maintenance on Aircraft Radar Altimeter Equipment.

Source Rating: AT | Billet Paygrades: E3-E6 | Personnel Paygrades: E3-E6
Course: Course Mandatory | CIN: D-102-6109
E-102-6109 | CDP: 556C
566P
Sequence Code: 5 | RBTR: R-102-6059-04, R-102-6109-01
R-102-6109-02, R-102-6109-05
R-102-6109-17, R-102-6109-25
R-102-3105-01, R-102-3105-02
R-102-6113-05, R-102-6172-01 | NR Ind: A
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

AT-6606 Aircraft Doppler Radar Navigation IMA Technician
Repairs Aircraft Doppler Radar Navigation equipment at the intermediate maintenance level.

Source Rating: AT | Billet Paygrades: E3-E6 | Personnel Paygrades: E3-E6
Course: Course Mandatory | CIN: D-102-6036 | CDP: 556D
Sequence Code: 5 | RBTR: R-102-6109-05, R-102-6109-17 | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

AT-6607 Digital Data Link Communications IMA Technician
Performs intermediate level maintenance on various data links (ASU-14, ASU-25, etc.) associated with carrier aircraft.

Source Rating: AT | Billet Paygrades: E3-E6 | Personnel Paygrades: E3-E6
Course: Course Mandatory | CIN: D-102-6059
E-102-6059 | CDP: 557K
563P
Sequence Code: 5 | RBTR: R-102-6039-23, R-102-6152-38
R-102-6059-04, R-102-6059-07
R-102-6059-09, R-102-6059-10
R-102-6059-11, R-102-6039-02 | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

AT-6609 Aircraft Electronic Identification (IFF) IMA Technician
Repairs various interrogators and transponders at the intermediate maintenance level.

Source Rating: AT | Billet Paygrades: E3-E6 | Personnel Paygrades: E3-E6
Course: Course Mandatory | CIN: D-102-6039
E-102-6039 | CDP: 552Z, 557L
563N
Sequence Code: 5 | RBTR: R-102-6039-01, R-102-6039-02,
R-102-6039-08, R-102-6039-14,
R-102-6039-19, R-102-6039-23,
R-102-6152-28, R-102-6152-32 | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

AT-6611 Aircraft UHF Communications, Automatic Direction Finder (ADF) and Intercommunications Systems (ICS) Equipment IMA Technician

Performs intermediate level maintenance on aircraft Ultra High Frequency (UHF) communications, Automatic Direction Finder (ADF), and Intercommunications System (ICS) equipment.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Billet Paygrades: E3-E6
CIN: D-102-6152, E-102-6152
RBTR: R-102-6059-10, R-102-6122-11
R-102-6052-02, R-102-6152-03
R-102-6152-10, R-102-6152-17,
R-102-6152-28, R-102-6152-32
R-102-6152-34, R-102-6152-38
R-102-6152-40, R-102-6152-41
Personnel Paygrades: E3-E6
CDP: 557J, 3693
NR Ind: R
Component NEC:
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N789
Technical Advisor: NAVAIR
ECM: N132D2

AT-6612 Aircraft TACAN/Radio Navigation Equipment IMA Technician
Performs intermediate level maintenance on aircraft TACAN and Radio Navigation Equipment.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Billet Paygrades: E3-E6
CIN: D-102-6113
E-102-6113
RBTR: R-102-6109-25, R-102-6113-03
R-102-6113-05, R-102-6113-06
R-102-6113-01, R-102-6113-20
R-102-6113-33, R-102-3105-01
R-102-3105-02
Personnel Paygrades: E3-E6
CDP: 558L
563T
NR Ind: A
Component NEC:
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N789
Technical Advisor: NAVAIR
ECM: N132D2

AT-6613 Aircraft HF Communications Equipment IMA Technician
Performs intermediate level maintenance on aircraft High Frequency (HF) communications equipment.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Billet Paygrades: E3-E6
CIN: E-102-6154
M-102-6412
RBTR: R-102-6039-19, R-102-6152-10
R-102-6152-17, R-102-6154-01
R-102-6154-07
Personnel Paygrades: E3-E6
CDP: 565Z
217G
NR Ind: R
Component NEC:
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N789
Technical Advisor: NAVAIR
ECM: N132D2

AT-6614 APS-116 IMA Technician
Performs intermediate level maintenance on the APS-116 radar and operates and maintains the APM-377 and APN-373 test sets.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Billet Paygrades: E3-E7
CIN: E-102-6064
RBTR: R-102-6064-02
Personnel Paygrades: E3-E8
CDP: 569H
NR Ind: R
Component NEC:
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N789
Technical Advisor: NAVAIR
ECM: N132D2

AT-6615 P-3 FLIR IMA Technician
Performs intermediate level maintenance on the AN/AAM-60(V-2/V-3) Optical Electrical Test Sets (EOSTS) components and related infrared detecting systems in P-3 aircraft.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Billet Paygrades: E3-E7
CIN: D-102-6121
E-102-6121
RBTR: R-102-6121-01
Personnel Paygrades: E3-E8
CDP: 554G
948M
NR Ind: R
Component NEC:
Related NEC: 6684
Open to Women: Yes
Primary Advisor: CNO N789
Technical Advisor: NAVAIR
ECM: N132D2

AT-6618 USM-458/USM-641 IMA Technician
Performs intermediate level maintenance on the USM-458/USM-641 test console in support of ECM systems employed by fleet tactical aircraft.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E7
CIN: D-102-6072
E-102-6072
RBTR: R-102-6072-01
Related NEC: 6639, 6641
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E7
CDP: 558M
563R
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6619 HATS (USM-403) IMA Operator
Operates HATS (USM-403) computerized test facility to fault isolate SRA to a defective component. Rechecks the SRA prior to reissue to ensure that the malfunctions have been remedied.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E4
CIN: E-198-6004
RBTR: R-198-6004-01
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E5
CDP: 569L
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6621 Search RADAR IMA Technician
Performs intermediate level maintenance on the E-2 Search RADAR (transmitter) utilizing the RADAR Test Bench Set AN/APM-376 (RTBS)

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E4-E7
CIN: D-104-8018
RBTR: R-104-8018-01, R-104-8018-03
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E8
CDP: 555H
NR Ind: R
Open to Women: Yes
ECM: N132D2

.AT-6628 HATS (USM-403) IMA Maintenance Technician
Maintains HATS (USM-403) computerized test facility in an operating status in support of repairs to SRAs at the intermediate level of maintenance.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC: 6619
Primary Advisor: CNO N789

Billet Paygrades: E5-E7
CIN: E-198-6003
RBTR:
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E4-E7
CDP: 569K
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6631 AN/USM-629 Electro Optic Test Set (EOTS) Operator/Maintainer, IMA
Performs operation, maintenance, and systems analysis of the AN/USM-629 Electro Optic Test Set (EOTS), Test Program Sets (TPSs), input/output devices, and software/hardware complexities at the intermediate maintenance level in support of the F/A-18 aircraft.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E4-E7
CIN: E-198-0600
D-198-0600
RBTR: R-198-0600-01
Related NEC: 7959
Technical Advisor: NAVAIR

Personnel Paygrades: E4-E7
CDP: 563W
0306
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6633 USM-467 RADCOM IMA Technician
Operates and performs intermediate level maintenance on the USM-467 (V)3 and USM-467(V)5 Weapons Systems Test Stations (USTS) RADCOM in repair support of airborne URAs and SRAs. Performs in-depth maintenance on computer subsystems, peripheral equipment and digital subsystems, utilizing self test and diagnostic test programs in support of IMA on-line functions in the E-2C, SH-60B, A-6E, EA6B, F-14, P-3, and S-3B weapon systems.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E6
CIN: D-198-6231
E-198-6231
RBTR: R-198-6231-01, R-198-6231-02
R-198-6231-05
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E6
CDP: 556R,
562S, 565H, 5611
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6634 Aircraft Communications Security Devices Equipment IMA Technician
Performs intermediate level maintenance on aircraft communications security devices equipment.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E6
CIN: D-102-6122
RBTR: R-102-6122-02, R-102-6122-07
R-102-6122-09, R-102-6122-10
R-102-6122-11
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E6
CDP: 0321
NR Ind: A
Open to Women: Yes
ECM: N132D2

AT-6635 EP-3E/ES-3A ESM IMA Technician
Performs intermediate level maintenance on RF hardware, preamps, and video distribution circuits peculiar to EP-3E/ES-3A ESM systems.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E4-E8
CIN: E-102-1732
RBTR: R-102-1732-01
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E8
CDP: 2186
NR Ind: A
Open to Women: Yes
ECM: N132D2

AT-6639 Countermeasures Receiving and Dispensing Equipment IMA Technician
Performs intermediate level maintenance on various countermeasure receivers, dispensing systems, and associated support equipment.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E6
CIN: D-102-6005
RBTR: R-102-6005-03, R-102-6005-05
R-102-6058-01
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E6
CDP: 558E
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6640 EP-3E/ES-3A ESM OMA Technician
Performs organizational maintenance on ESM systems in support of EP-3E/ES-3A aircraft.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E8
CIN: E-102-1139
RBTR:
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E8
CDP: 2816
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6641 ALQ-126 ECM IMA Technician
Performs intermediate level maintenance on ALQ-126 ARAs.

Source Rating: AT
Course:
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E4-E8
CIN:
RBTR: R-102-6122-07, R-102-6058-06
R-102-6058-01, R-102-6079-02
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E8
CDP:
NR Ind: A
Open to Women: Yes
ECM: N132D2

AT-6647 ALQ-99 Transmitter Test Station IMA Technician
Performs intermediate level maintenance on ALQ-99 transmitter, transmitter test stations and associated support equipment in support of the EA-6B.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E7
CIN: E-102-6017
RBTR: R-102-6017-01
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E7
CDP: 565V
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6648 ALQ-99 Exciter IMA Technician
Performs intermediate level maintenance on ALQ-99 Control Modulators, Track Receivers, Exciters, and ALM-109 Test Station or Universal Exciters and OJ-511/ALM Exciter Test Station.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:

Billet Paygrades: E4-E7
CIN: E-102-6119
RBTR: R-102-6119-01
Related NEC:

Personnel Paygrades: E3-E7
CDP: 565X
NR Ind: R
Open to Women: Yes

Primary Advisor: CNO N789 Technical Advisor: NAVAIR ECM: N132D2

AT-6649 ECM/Simulator IMA Technician
Performs intermediate level maintenance on the ALQ-170, AST-4/DPT-1, AST-6, ALE-43, and non-tactical or non-shipboard training ALQ-167/DLQ-3/ULQ-21 ECM/simulator systems.

Source Rating: AT
Billet Paygrades: E4-E6
Personnel Paygrades: E3-E6
Course:
CIN:
CDP:
Sequence Code: 5
RBTR:
NR Ind: R
Component NEC:
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N789
Technical Advisor: NAVAIR
ECM: N132D2

AT-6650 AN/USM-470(V)1 Automatic Test System (ATS) Advanced IMA Technician
Performs systems analysis on the USM-470(V)1 ATS, TPS, and I/O devices, including software maintenance, through an in-depth knowledge of systems, software and hardware complexities associated with ATS in support of intermediate level maintenance.

Source Rating: AT
Billet Paygrades: E5-E6
Personnel Paygrades: E5-E6
Course: Course Mandatory
CIN: E-198-6034
CDP: 563X
Sequence Code: 5
RBTR:
NR Ind: R
Component NEC: 6658
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N789
Technical Advisor: NAVAIR
ECM: N132D2

NOTE: No new award of this NEC to E4 personnel. E4 personnel who currently hold this NEC may retain their NEC.

AT-6653 VAST (USM-247(V)) On-Line Maintenance IMA Technician
Performs in-depth maintenance on VAST (USM-247) computerized test station, computer subsystem, peripheral equipment, digital subsystems utilizing diagnostic tests, test tapes, and test equipment. Possesses knowledge of specific building blocks, I/O devices, and TPS elements in support of intermediate level of maintenance.

Source Rating: AT
Billet Paygrades: E5-E6
Personnel Paygrades: E4-E7
Course: Course Mandatory
CIN:
CDP:
Sequence Code: 5
RBTR: R-198-6031-01
NR Ind: R
Component NEC: 6659
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N789
Technical Advisor: NAVAIR
ECM: N132D2

AT-6658 AN/ASM-686 Night Attack IMA Technician
Performs in-depth on-line maintenance on AN/ASM-686 Night Attack IMA tests set, peripheral equipment and digital subsystems self-test and building blocks diagnostic programs.

Source Rating: AT
Billet Paygrades: E4-E6
Personnel Paygrades: E4-E6
Course: Course Mandatory
CIN: D-198-6036
E-198-6036
CDP: 0323
563Y
Sequence Code: 5
RBTR: R-198-6036-01, R-198-6036-02
NR Ind: R
Component NEC:
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N789
Technical Advisor: NAVAIR
ECM: N132D2

AT-6659 AN/USM-247 Versatile Avionic Shop Test (VAST) Advanced IMA Operator
Operates VAST (USM-247(V)) computerized Automatic Test Equipment (ATE). Repairs TPS elements, capable of expanded TPS troubleshooting, and has fundamental understanding of language (programmer level only) associated with VAST in support of intermediate level of maintenance.

Source Rating: AT
Billet Paygrades: E3-E6
Personnel Paygrades: E3-E6
Course:
CIN:
CDP:
Sequence Code: 5
RBTR: R-198-6032-01, R-198-6032-02
NR Ind: R
Component NEC:
Related NEC:
Open to Women: Yes
Primary Advisor: CNO N789
Technical Advisor: NAVAIR
ECM: N132D2

AT-6663 VAST (USM-247(V)) Off-Line Maintenance/Calibration
Performs maintenance on and calibrates elements of VAST (USM-247(V)) computerized test station utilizing various peripheral test equipment in support of on-line functions at the intermediate level of maintenance.

Source Rating: AT
Billet Paygrades: E4-E6
Personnel Paygrades: E4-E6
Course: Course Mandatory
CIN:
CDP:
Sequence Code: 5
RBTR: R-198-6033-01
NR Ind: R

Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

AT-6664 APS-115 Search Radar IMA Technician
Performs intermediate level maintenance on APS-115 Search Radar system ARAs.

Source Rating: AT | Billet Paygrades: E4-E7 | Personnel Paygrades: E3-E8
Course: Course Mandatory | CIN: D-102-6097 | CDP: 554E
E-102-6097 | 948L
Sequence Code: 5 | RBTR: R-102-6097-01 | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

AT-6668 EA-6B ECM OMA System Analyst
Performs organizational level maintenance on EA-6B ECM system. Briefs and debriefs flight crews and conducts daily computer-assisted preflight inspection to determine status of equipment. Localizes source of malfunction in the system and provides guidance to repair technicians.

Source Rating: AT | Billet Paygrades: E3-E6 | Personnel Paygrades: E3-E8
Course: Course Mandatory | CIN: E-102-1824 | CDP: 565U
Sequence Code: 4 | RBTR: R-102-1824-01 | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

AT-6669 EA-6A ECM/ESM Organizational Maintenance Technician
Performs organizational level maintenance on electronic countermeasures and electronic support measures systems in the EA-6A aircraft.

Source Rating: AT | Billet Paygrades: E3-E6 | Personnel Paygrades: E3-E6
Course: | CIN: | CDP:
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

NOTE: Personnel may earn NEC 6669 upon completion of ALQ-76/80 "O" Level revised capability training provided by Naval Aviation Engineering Service Unit (NAESU). Submit EPMAC 1221/2 to EPMAC (Code 49) or to Commanding Officer, Naval Reserve Personnel Center (Code 22E), as appropriate.

AT-6673 Field Calibration Activity Technician (Electrical/Electronic)
Calibrates fleet test equipment (GPETE and PGSE) in intermediate level (IMAs and FCAs) field calibration activities and aircraft intermediate maintenance activities ashore and afloat. Accomplishes repair incidental to the calibration process.

Source Rating: AT ET | Billet Paygrades: E3-E6 | Personnel Paygrades: E3-E6
Course: Course Mandatory | CIN: C-198-2012 | CDP: 0384
Sequence Code: 5 | RBTR: R-198-6670-01, R-198-6670-02 | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

AT-6677 TARPS Camera Repair IMA Technician
Tests, troubleshoots, repairs, and aligns the KS-87D, KA-153A cameras, the AN/AAD-5A infrared reconnaissance system, the AN/AAM-76 test bench and the LM-230B Programmable Automatic Camera (PAC) Test Set.

Source Rating: AT | Billet Paygrades: E3-E7 | Personnel Paygrades: E3-E7
Course: Course Mandatory | CIN: D-102-6141 | CDP: 0332
Sequence Code: 5 | RBTR: R-102-6141-01 | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

AT-6680 ICAP Computer Group/ICAP II Digital Interface Unit IMA Technician
Operates the ALM-117 DTS and performs intermediate maintenance on the Central Computer Group. Operates Digital Test Group and performs intermediate maintenance on Digital Interface Units.

Source Rating: AT | Billet Paygrades: E4-E6 | Personnel Paygrades: E3-E6
Course: Course Mandatory | CIN: E-102-6114 | CDP: 565W
Sequence Code: 5 | RBTR: | NR Ind: R

Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

NOTE: Difference in training between ICAP and ICAP II equipment maintenance will be provided by the appropriate FRAMP.

AT-6684 AAM-60(V)6 Electro Optical System Test Set IMA Technician
Performs intermediate maintenance on the AAM-60-(V6) Electro Optical System Test Set (EOSTS) components in support of S-3 and A-6 aircraft.

Source Rating: AT	Billet Paygrades: E5-E6	Personnel Paygrades: E4-E6
Course: Course Mandatory	CIN: E-102-6067	CDP: 569J
Sequence Code: 5	RBTR: R-102-6067-01	NR Ind: R
Component NEC: 6715 or 7959	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

NOTE: Personnel require medical surveillance (optical and complexion examination) in accordance with NAVMEDCOMINST 6471.14 Series.

AT-6686 USM-429 CAT IIID Maintenance Technician
Performs intermediate level maintenance on the USM-429 CAT IIID system.

Source Rating: AT	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: D-198-6005 E-198-6005	CDP: 557R 562L
Sequence Code: 5	RBTR: R-198-6005-01, R-198-6005-02 R-198-6005-09	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AT-6688 USM-484 Hybrid Test Set (HTS) IMA Technician
Performs in-depth maintenance and circuit analysis on the USM-484 HTS.

Source Rating: AT	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: D-198-6045 E-198-6045	CDP: 0333 563Z
Sequence Code: 5	RBTR: R-198-6045-01, R-198-6045-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AT-6689 USM-484 HTS Advanced IMA Technician
Performs systems analysis and maintenance on the USM-484 Hybrid Test Set (HTS), Test Program Set (TPS), and Input/Output (I/O) devices, including software analysis, through in-depth knowledge of systems, software, and hardware complexities associated with HTS in support of intermediate level maintenance.

Source Rating: AT	Billet Paygrades: E5-E6	Personnel Paygrades: E4-E6
Course: Course Mandatory	CIN: E-198-6050	CDP: 564D
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC: 6688	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AT-6694 USM-470(V)2 Automatic Test System On-Line Maintenance Technician
Performs in-depth on-line maintenance on USM-470(V)2 ATS computerized test station, computer subsystem, peripheral equipment, and digital subsystems using self-test and diagnostic test programs and circuit analysis.

Source Rating: AT	Billet Paygrades: E3-E5	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN: E-198-6048	CDP: 564B, 5607
Sequence Code: 5	RBTR: R-198-6048-01, R-198-6048-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AT-6695 USM-470(V)2 ATS Advanced IMA
Performs systems analysis on the USM-470(V)2 Test Program Sets (TPS), Input/Output (I/O) devices, including software analysis, through in-depth knowledge of systems, software and hardware complexities associated with Automatic Test Systems (ATS) in support of intermediate level maintenance.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC: 6694
Primary Advisor: CNO N789

Billet Paygrades: E5-E6
CIN: E-198-6049
RBTR:
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E4-E6
CDP: 564C, 5608
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6701 Advance Avionics Integrated Systems Technician

Performs organizational and intermediate maintenance on integrated aircraft systems using advanced troubleshooting techniques. Possesses in-depth knowledge of electronics, computers, automated test equipment, analog/digital communication, fiber optics, radar, inertial navigation, global positioning, fixed and rotary wing automatic flight control, aircraft display, electronic warfare, anti-submarine warfare, power generation/distribution, and aircraft weapons systems.

Source Rating: AT AV AE
Course: Course Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E6-E8
CIN: C-100-2012
RBTR: R-100-2012-01, R-100-2012-02
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E5-E9
CDP: 706H
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6702 E-6A Mission Avionics System IMA Technician

Performs intermediate level maintenance on TACAMO computers, auxiliary equipment, time division multiplexing systems, VLF receivers, VERDIN computer system, antenna control system, TACAMO message processor, VLF antenna control indicators, VLF transmitter associated equipment, and miscellaneous communications systems.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Pay Grades E5-E6
CIN: E-102-6143
RBTR:
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E5-E6
CDP: 079Z
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6703 Avionics Organizational Maintenance Technician

Performs scheduled and unscheduled organizational maintenance on the E-6B mission communications and avionics systems.

Source Rating: AT
Course:
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E7
CIN:
RBTR:
Related NEC: 8343
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E7
CDP:
NR Ind: A
Open to Women: Yes
ECM: N132D2

AT-6704 Consolidated Automated Support System (CASS) Test Station IMA Operator/Maintainer

Operates and maintains, including both scheduled and unscheduled maintenance, the CASS test station. Executes and monitors test programs and repairs various avionics UUTs through R&R of faulty SRAs.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E6
CIN: D-198-6102
E-198-6102
RBTR:
Relate NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E6
CDP: 556W
960U
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6705 Consolidated Automated Support System (CASS) Test Station IMA Calibration/Advanced Maintenance Technician

Performs scheduled maintenance, including on-line calibration/certification, lubrication, and cleaning. Performs unscheduled maintenance beyond the operator's capabilities, including diagnostic troubleshooting, in-depth maintenance, and software analysis.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 3
Component NEC: 6704 or 6723 or 6724
Primary Advisor: CNO N789

Billet Paygrades: E5-E7
CIN: D-198-6101
E-198-6101
RBTR:
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E5-E7
CDP: 556V
960T
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6710 P-3 Navigation System Equipment Technician

Performs intermediate level maintenance on P-3 navigation system equipment.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E6
CIN: D-102-6172
E-102-6172
RBTR: R-102-6172-01
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E6
CDP: 553T
948P
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6713 Video Test Set (VTS) AN/SSM-9 Test Set Operator
Performs intermediate level maintenance on ASA-82 and ASQ-147 in support of the S-3B aircraft. Operates and maintains VTS support equipment.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E6
CIN: E-198-6023
RBTR: R-000-6713-01, R-000-6713-02
Related NEC: 6660
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E6
CDP: 086N
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6714 Enhanced Comprehensive Asset Management System (ECAMS) Maintainer
Performs intermediate level maintenance on the AN/VYQ-53(V) Data Processing Set (DPS) and the VYQ60(V) Data Station (DS). Provides limited computer software analysis capabilities and troubleshoots equipment using computer diagnostic tapes. Performs scheduled and unscheduled maintenance.

Source Rating: AT AE
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E4-E6
CIN: E-600-0610
RBTR: R-600-0610-01
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E4-E7
CDP: 564
NR Ind: A
Open to Women: Yes
ECM: N132D2

AT-6715 FLIR Systems IMA Technician
Performs intermediate level maintenance on the FLIR weapons system of the S-3 Aircraft.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E6
CIN: E-198-6022
RBTR: R-198-6022-01
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E6
CDP: 569N
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6716 P-3 Model Aircraft - AN/USM-449(V) Test Set Operator

Operates the AN/USM-449(V) test equipment.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E5
CIN: D-198-6007
RBTR: R-198-6007-01
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E5
CDP: 553G
NR Ind: A
Open to Women: Yes
ECM: N132D2

AT-6717 P-3 Peculiar Communications Equipment IMA Technician
Performs intermediate maintenance on the P-3 Peculiar Communications Equipment.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E6
CIN: D-102-6171
E-102-6171
RBTR: R-102-6171-01
R-102-6171-02
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E6
CDP: 553S
948N
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-6718 Electronics Standards Specialist
Performs intermediate level (FECL, FCL, and selected FAC, F phases) calibration of electronic test equipment used in production and maintenance of naval weapons, command and control and data processing systems within tolerances prescribed by cognizant Systems Commands and Project Managers. Repairs electrical/electronic test equipment in the process of, or incident to, calibration.

Source Rating: AT
Course: Course Mandatory

Billet Paygrades: E5-E6
CIN: C-198-2011

Personnel Paygrades: E4-E6
CDP: 592G

Sequence Code: 5 | RBTR: R-198-6670-03, R-198-6670-04 | NR Ind: R
Component NEC: 6673 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

AT-6719 Update III ASUW Improvement Program (AIP) OMA Weapons Systems Technician
Performs organizational level maintenance on the avionics systems of the P-3C Update III Anti-Surface Unit Warfare Improvement Program aircraft.

Source Rating: AT | Billet Paygrades: E5-E6 | Personnel Paygrades: E4-E7
Course: Course Pending | CIN: | CDP:
Sequence Code: 4 | RBTR: | NR Ind: A
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

AT-6721 AN/USM-449(V), Series, ATE IMA Technician
Maintains USM-449(V) Series ATE in an operating status in support of repairs to aircraft removable assemblies at the intermediate level of maintenance.

Source Rating: AT | Billet Paygrades: E5-E6 | Personnel Paygrades: E4-E6
Course: Course Mandatory | CIN: D-198-6009 | CDP: 578C
Sequence Code: 5 | RBTR: | NR Ind: N
Component NEC: 6716 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

6722 ES-3A Systems Organizational Maintenance Technician
Performs organizational level maintenance on the ES-3A Mission Avionics Systems.

Source Rating: AT | Billet Paygrades: E3-E7 | Personnel Paygrades: E3-E7
Course: Course Pending | CIN: | CDP:
Sequence Code: 4 | RBTR: | NR Ind: A
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

AT-6723 Consolidated Automated Support System (CASS) Test Station (RADAR) IMA Technician
The Technician will operate and maintain, including both scheduled and unscheduled maintenance, the CASS Test Station, as well as perform fault isolation and maintenance on aircraft radar Units Under Test (UTTs) utilizing the RF and High Power configurations of the CASS Test Station. This will include in-depth circuit analysis, adjust/repair, and serviceability verification of AN/APG-65, AN/APG-73, AN/AWG-9, and AN/APS-137 radar systems

Source Rating: AT | Billet Paygrades: E3-E6 | Personnel Paygrades: E3-E6
Course: Course Mandatory | CIN: D-198-6104 | CDP: 6069
E-198-6104 | 632V
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: | Related NEC: 6704 | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

Note: Must have Secret Clearance

AT-6724 Consolidated Automated Support System (CASS) Test Station (EO) IMA Technician
The Technician will operate and maintain, including both scheduled and unscheduled maintenance, the CASS Test Station and perform fault isolation and maintenance on aircraft Electro Optics (EO) Units Under Test (UTTs), utilizing the EO configuration of the CASS Test Station. This will include in-depth circuit analysis, adjust/repair, and serviceability verification of aircraft Forward Looking Infrared (FLIR) systems.

Source Rating: AT | Billet Paygrades: E3-E6 | Personnel Paygrades: E3-E6
Course: Course Mandatory | CIN: D-198-6105 | CDP: 6071
E-198-6104 | 632U
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: | Related NEC: 6704 | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

Note: Must have Secret Clearance

AVIATION ORDNANCEMAN

AO-6801 Air Launched Weapons Technician
Performs fleet intermediate level maintenance ashore and afloat on all air-launched weapons in accordance with the Naval Airborne Weapons Maintenance Program (NAWMP) and within the explosive safety rules and regulations of NAVSEA OP 4, OP 5, OP 2165, and OP 3565.

Source Rating: AO	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: D-646-7007 E-646-7007	CDP: 555C, 560H 569A, 432W
Sequence Code: 5	RBTR: R-122-3111-01, R-122-3111-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AO-6802 Strike Intermediate Armament Maintenanceman
Performs intermediate level maintenance on strike aviation armament equipment.

Source Rating: AO	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: D-646-7001 E-646-7001	CDP: 1401, 560G 568Z
Sequence Code: 5	RBTR: R-646-7001-01, R-646-7001-02 R-646-7001-03	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AO-6810 Armament Weapons Support Equipment (AWSE) Maintenance Manager
Supervises organizational level maintenance on Armament Weapons Support Equipment (AWSE) including pre/post operations, scheduled maintenance for fault isolation and removal/replacement of components.

Source Rating: AO	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: E-646-7100, D-646-7100	CDP: 371F, 4747
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AO-6811 Armament Weapons Support Equipment Technician
Paragraph 7.3.e(3) of Volume 1 of OPNAVINST 4790.2G advises maintenance functions and policy on Airborne Weapons Support Equipment (AWSE) is provided by the Naval Airborne Weapons Maintenance Programs (NAWMP). The Naval Ordnance Maintenance Program OPNAVINST 8000.16B has superceded the NAWMP. OPNAVINST 8000.16B Chapters 2.2/2.3 of Volume I, and Chapter 8.3 of Volume II, set policy and procedures for the intermediate maintenance of ASWE. The proper maintenance of AWSE, including calibration and inventory control, is integral to the readiness of aircraft squadrons and airborne weapons, and essential to the warfighting capability of the Carrier Battle Group (CVBG), the Amphibious Ready Group (ARG), and the Patrol Reconnaissance Force, AWSE intermediate maintenance is accomplished by the supporting shore station and ship Weapons Department/Divisions where the primary mission and tasks is the maintenance of airborne weapons. Support equipment maintenance is significantly divergent from the tasks and skills associated with airborne weapons maintenance. Per OPNAVINST 8000.16B, airborne weapons maintenance does not utilize Aviation 3M as a management tool. However, per OPNAVINST 4790.2G and OPNAVINST 8000.16B Aviation 3M is mandatory for AWSE maintenance. Accordingly, AWSE Work center 730 is the only division within the Weapons Department ashore and afloat that must utilize NAMP administration procedures. The unique skills and training requirement for the AWSE work Center Supervisor have been recognized by the assignment of NEC 6810, but the skills required for the ASWE Maintenance Technician who performs the ASWE maintenance are not identifeid by NEC. An Armament Weapons Support Equipment Technician Course (CIN C-646-3109) is planned for introduction in the near term. The unique skills required of the AWSE Maintenance Technician per OPNAVINST 8000. 16B must be recognized by assignment of an NEC.

Source Rating: AO	Billet Paygrades: E3-E5	Personnel Paygrades: E3-E5
Course: Pending	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC: 6810	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AIR TRAFFIC CONTROLLER

AC-6901 Facility Rated Approach Controller
Provides approach control service either radar or non-radar at a terminal air traffic control facility for arriving and departing VFR/IFR aircraft and, on occasion, enroute aircraft.

Source Rating: AC
Course: Course Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E4-E9
CIN: C-222-2022
RBTR: R-222-2011-01
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E4-E9
CDP: 708L
NR Ind: R
Open to Women: Yes
ECM: N132D2

AC-6902 Carrier Air Traffic Control Center Controller
Directs pilots of carrier based aircraft in making approaches and departures on CV's using radio communications and carrier controlled approach radar systems.

Source Rating: AC
Course: Course Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E9
CIN: C-222-2012
RBTR: R-222-2012-01
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E9
CDP: 708M
NR Ind: R
Open to Women: Yes
ECM: N132D2

AC-6903 Amphibious Air Traffic Control Center Controller
Direct pilots of Amphibious Assault Ship based aircraft in making VFR/IFR departures and approaches on LPH/LHA/LHDs using radio communications and surveillance and carrier controlled approach radar systems.

Source Rating: AC
Course: Course Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N789, CNO N769

Billet Paygrades: E4-E8
CIN: C-222-2019
RBTR:
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E8
CDP: 708P
NR Ind: R
Open to Women: Yes
ECM: N132D2

AC-6904 AIR TRAFFIC CONTROL MANAGER
Manages Air Traffic Control functions at sea and shore facilities, including manpower, equipment, natural resources, reporting, airspace and instrument procedures.

Rating: AC
Course: Course Mandatory
Sequence Code: 2
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E6-E8
CIN: C-222-2023
RBTR:
Related NEC: 6901, 6902, 6903
Technical Advisor: NAVAIR

Personnel Paygrades: E6-E8
CDP: 475B
NR Ind : R
Open to Women: Yes
ECM: N132D2

AVIATION BOATSWAIN'S MATE

AB-7004 C-13 Catapult Operator
Operates C-13, MOD 0, MOD 1, and MOD 2 catapults and associated systems. Performs systems check prior to operations. Makes adjustments to mechanical, hydraulic, and control systems to ensure proper performance. During operations, monitors and identifies conditions which may lead to an emergency and/or casualty. Initiates corrective or emergency procedures.

Source Rating: AB ABE
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E5-E8
CIN: C-604-2014
RBTR:
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E5-E8
CDP: 179X
NR Ind: R
Open to Women: Yes
ECM: N132D1

NOTE: Previous holders of NEC 7003 may be awarded NEC 7004 after 6 months OJT and with CO's recommendation. Personnel submit NAVPERS 1221/1 to EPMAC (Code 50) via ECM (N13).

AB-7005 MK-7 Arresting Gear Operator
Operates MK-7 arresting gear and associated systems. Performs system checks prior to operation. Makes adjustments to mechanical, hydraulic, and control systems to ensure proper performance. During operations, monitors and identifies conditions which may lead to an emergency and/or casualty. Initiates corrective or emergency procedures.

Source Rating: AB ABE
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E5-E9
CIN: C-604-2029
RBTR: R-604-2029-01
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E4-E9
CDP: 224K
NR Ind: A
Open to Women: Yes
ECM: N132D1

AB-7006 Aircraft Launch and Recovery Equipment Maintenance Technician
Performs maintenance, both upkeep and corrective, on C-13, MOD 0, MOD 1, and MOD 2 catapults and MK-7, MOD 3 arresting gear and associated equipment. Analyzes problems, removes, replaces, adjusts, and tests components of the C-13, MOD 0, MOD 1, and MOD 2 catapults, MK-7, MOD 3 arresting gear and associated equipment.

Source Rating: ABE	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: C-604-2028	CDP: 1333
Sequence Code: 5	RBTR: R-604-2028-01	NR Ind: R
Component NEC: 7004 or 7005	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AB-7011 Shipboard Aircraft Rescue, Firefighting and Salvage Specialists
Performs duties as a rescue, firefighting, and salvage team leader aboard Naval aviation and aviation capable ships. Directs rescue, firefighting and salvage operations on the flight deck and hangar deck. Coordinates firefighting and salvage efforts with damage control. Sets up and directs rescue, firefighting and salvage training for assigned personnel. Performs or supervises pre-operational inspections and operations of rescue, firefighting and salvage equipment and systems afloat.

Source Rating: AB ABH	Billet Paygrades: E5-E8	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: C-780-2013	CDP: 709C
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC: ABH-7012	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

ABH 7012 Shore Base Airport & Aircraft Firefighter
Certified in accordance with National Fire Protection Agency (NFPA) Standards as an Airport Firefighter including Firefighter I & II. Performs duties as a rescue, firefighting, and salvage team member aboard Naval Air Stations, Facilities, Outlying Fields and other Naval Activities ashore. Performs structural firefighting in support of base structural firefighting companies. Performs duties as a HAZMAT response team member. Performs preoperational inspections and utilizes or operates rescue, firefighting, salvage and personal protective equipment.

Source Rating: ABH	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Pending	CIN:C-602-0002	CDP: 3610
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AB-7022 Aviation Gasoline Handler
Performs organization level maintenance on automotive gasoline systems, aviation fuels systems afloat and ashore, and catapult lube oil distribution and stowage systems. Operates electric pumps, electric valve, tank level indicating and control systems, centrifugal purifiers and manifolds for fuel, oil, CO2, and inert gas systems. Repairs and adjusts valves, pumps, filters, and meters. Ventilates and cleans stowage and service tanks.

Source Rating: ABF AB	Billet Paygrades: E5-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: C-821-2011	CDP: 709D
Sequence Code: 5	RBTR: R-821-2011-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AVIATION ELECTRICIAN'S MATE

AE-7105 Attitude Heading Reference System IMA Technician
Performs intermediate level maintenance on various attitude heading reference systems.

Source Rating: AE	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: D-602-5028 E-602-5028	CDP: 556P 202E
Sequence Code: 5	RBTR: R-602-5028-01, R-602-5028-02 R-602-5028-04, R-602-5056-01 R-602-5064-02	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AE-7131 Power Generating Systems IMA Technician
Performs intermediate level maintenance on electrical components, including generators, constant speed drive units, control units, voltage regulators, inverters, converters, transformer rectifiers, and the generator test stand.

Source Rating: AE	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: OJT	CIN:	CDP:
Sequence Code: 5	RBTR: R-002-0000-05, R-002-0000-08	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AE-7133 A6/EA6 Electrical Component IMA Technician
Performs intermediate level maintenance on electrical components, including AOA, ANTI-SKID, ASN-54, MA-1 Compass, and T-1073 Attitude Data Transmitter in support of the A6E and EA6B aircraft.

Source Rating: AV AE	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: E-602-5005	CDP: 566H
Sequence Code: 5	RBTR: R-602-5005-03	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AE-7136 P-3C Automatic Flight Control Systems (AFCS) IMA Technician
Performs intermediate level maintenance on P-3C automatic flight control systems.

Source Rating: AE	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: D-602-5032 E-602-5032	CDP: 553A 569X, 949F
Sequence Code: 5	RBTR: R-602-5032-01, R-602-5032-03	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AE-7137 Aircraft Instrument IMA Technician
Performs intermediate level maintenance on aircraft instruments, including the testing, unsealing, fault isolation, repair, and sealing of hermetically sealed instruments.

Source Rating: AE AT	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: D-602-5062 E-602-5062	CDP: 552X 561W
Sequence Code: 5	RBTR: R-602-5062-01, R-602-5062-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AE-7139 Automatic Flight Control and Electrical Systems Intermediate Maintenance
AE personnel perform intermediate level maintenance on S-3 automatic flight control systems.

Source Rating: AE	Billet Paygrade: E3-E6	Personnel Paygrade: E3-E6
Course: Pending	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AE-7144 Helicopter ASE/AFCS IMA Technician
Performs intermediate level maintenance on automatic stabilization equipment and automatic flight control systems in support of H-1, H-2, H-3, H-46, H-53, and H-60 helicopters.

Source Rating: AE	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: D-602-5056, E-602-5056	CDP: 556J, 3251
Sequence Code: 5	RBTR: R-602-5056-02, R-602-5056-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

NOTE: Personnel assigned to support H-3 aircraft will also attend C-602-3398 (CDP 488V 548U).

AE-7173 ASM-175 Electronic Module Test Console IMA Technician
Tests, checks, and fault isolate modular sub-assemblies. Maintains the ASM-175 Electronic Module Test Console in support of various carrier based aircraft.

Source Rating: AE AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E4-E7
CIN: D-602-5024
E-602-5024
RBTR: R-602-5024-01, R-602-5024-02
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E8
CDP: 558N
202D
NR Ind: R
Open to Women: Yes
ECM: N132D2

AE-7174 AFCS/ADC/INS/DRS and Flight Systems Mini-SACE GT-4 Test Console Intermediate Technician
Performs intermediate level maintenance on the AFCS/ADC/INS/DRS systems. Operates and maintains ASM-459 Mini-SACE and GT-4 test consoles supporting A-6/KA-6/EA-6/E-2/C-2 aircraft.

Source Rating: AV AE
Course:
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E4-E7
CIN:
RBTR:
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E9
CDP:
NR Ind: R
Open to Women: Yes
ECM: N132D2

AE-7175 P-3/C-130/E-2/C-2 Electrical Component IMA Technician
Performs intermediate level maintenance on miscellaneous electrical components in support of the P3, C-130, E-2, and C-2 aircraft.

Source Rating: AE
Course: OJT
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E4-E7
CIN:
RBTR: R-602-5028-02
R-602-5064-01, R-602-5064-02
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E4-E7
CDP:
NR Ind: A
Open to Women: Yes
ECM: N132D2

NOTE: Six months OJT required for award of NEC. Submit EPMAC 1221/2 with Commanding Officer's endorsement to EPMAC (Code 49).

AE-7182 P-3A/B Integrated Electrical System OMA Specialist
Performs integrated organizational level maintenance on the PB-20N auto pilot, ASN-42 INS, ASN-50 AHRS, and other electrical components.

Source Rating: AE AV
Course:
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E8
CIN:
RBTR: R-602-1051-01
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E9
CDP:
NR Ind: A
Open to Women: Yes
ECM: N132D2

NOTE: NEC may be earned by either formal training or OJT. If OJT experience supports NEC award, submit EPMAC 1221/2 with documentation attached to EPMAC (Code 49).

AE-7184 F/A-18 Electrical Systems IMA Technician
Performs intermediate level maintenance on the F/A-18 automatic flight control system components, flight control logic assemblies, and compatible electrical assemblies.

Source Rating: AE
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E6
CIN: D-602-5007
E-602-5007
RBTR: R-602-5007-03
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E6
CDP: 0356
564R
NR Ind: A
Open to Women: Yes
ECM: N132D2

AE-7197 ASM-608 Inertial Measurement Unit Test Set Maintenance Technician
Operates and performs intermediate maintenance on the AN/ASM-608 IMUTS II.

Source Rating: AE
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E6
CIN: D-150-6010
E-150-6010
RBTR: R-150-6010-02, R-150-6010-05
R-150-6010-06
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E6
CDP: 558F
562K
NR Ind: R
Open to Women: Yes
ECM: N132D2

AVIATION MECHANIC

AM-7212 Stationary Hydraulics Test Stand Operator/Maintenanceman
Performs operational checks, testing/troubleshooting and repair of hydraulic and pneumatic components using the HCT-10 Test Stand.

Source Rating: AM AF	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: D-602-4008 E-602-4008	CDP: 558A 183H
Sequence Code: 6	RBTR: R-602-4008-01, R-602-4008-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AM-7213 Hydraulic, Pneumatic, Servocylinder Test (STS) Operator/Maintainer
Performs operational checks, testing/troubleshooting and repair of hydraulic and pneumatic components using the Servocylinder Test Station (STS) and/or HCT-10 Test Stand.

Source Rating: AM	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: D-602-4007 E-602-4007	CDP: 556S 1852
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC: AM-7212	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AM-7222 Aeronautical Welder
Welds, at the intermediate maintenance level, aeronautical equipment/parts manufactured from alum/alum alloys, steel/steel alloys, stainless steel alloys, and precipitating hardening nickel based alloys using shielded metal arc, gas tungsten arc, and oxy/fuel welding processes. Maintains aeronautical welding equipment.

Source Rating: AM AS	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: N-701-0007 N-701-0009	CDP: 0497, 884X, 907S, 931F, 884Z, 933E, 938J, 0499
Sequence Code: 5	RBTR: R-701-0007-01 R-701-0007-02 R-701-0007-03	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

NOTES:
1. AM personnel qualify for NEC 7222 by completing course N-701-0007.
2. AS personnel qualify for NEC 7222 by completing course N-701-0009.
3. Course N-701-0010 is authorized as a "requalification" course only.

AM-7225 Aircraft Non-Destructive Inspection Technician
Operates/performs liquid penetrant, magnetic particle, eddy current, ultrasonic, radiographic, and composite material NDI methods. Operates/performs optical inspection equipment, gaseous leak detection equipment, electrical conductivity measurement equipment, hardness testing equipment, ultrasonic leak detection equipment, magnetic rubber inspection, and radiation safety procedures. Interprets indications and determines type and extent of flaws.

Source Rating: AM	Billet Paygrades: E4-E8	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: C-603-3191	CDP: 708Z
Sequence Code: 5	RBTR: R-603-3191-01, R-603-3191-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

7226 A/F-27T-10 Operator/Maintainer
Individuals holding this NEC will perform operational checks, testing/troubleshooting and repair hydraulic and pneumatic components using the A/F-27T-10 hydraulic test bench.

Source Rating: AM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Pending	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC: 7212/7213	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AM-7232 Structural Repair IMA Technician

Performs metal and advanced composite structures repair at the intermediate maintenance level. Formulates, compounds, and processes structural materials to obtain required characteristics. Operates various machinery used to repair, replace, or modify structural materials by mixing, heating, molding, pressing, or reshaping metals and composite structures. Performs routine maintenance on shop equipment.

Source Rating: AM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: E-603-4007 D-603-4007	CDP: 564S 0330
Sequence Code: 5	RBTR: R-603-4007-01, R-603-4007-05 R-603-4007-06	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AIRCREW SURVIVAL EQUIPMENTMAN

PR-7352 Senior Naval Parachutist

Directs all phases of parachute jumping operations at activities that employ parachutists in their mission. Instructs in all jumping operations including static line jumps, free fall jumps, water landing jumps, and delayed free fall jumping prior to opening parachute.

Source Rating: PR	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N861	Technical Advisor: NAVAIR	ECM: N132D1

NOTES:

1. Must be assigned to parachute jumping duty by competent orders, be designated a Naval Parachutist, and have completed a course of instruction prescribed by a naval facility or unit as well as the following:
   a. 1 static line jump
   b. 35 free fall jumps
   c. 2 water landing jumps
   d. 3 jumps of 30 seconds delayed free fall prior to opening parachute
2. Personnel other than PRs must hold NEC 53XX to be assigned this NEC.

PR-7353 Special Operations Parachute Rigger

Packs and maintains premeditated personnel parachute equipment unique to Naval Special Warfare (NSW) and Explosive Ordnance Disposal (EOD) Operations.

Source Rating: PR	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N861	Technical Advisor: NAVAIR	ECM: N132D1

NOTES:

1. NEC awardable upon completion of Army courses 433-F3-PARA NAVY or 860-43E10.
2. NEC OJT awardable if personnel attached to a rigger unit of EOD for 1 year and observed by Army/Navy school graduate and qualified prior to 1 July 1990 (CNO WASH DC 110512Z Aug 90 refers).
3. Personnel other than PRs must hold NEC 53XX to be assigned this NEC.

PR-7356 Aircrew Survival Equipmentman (IMA) Technician

Performs intermediate level maintenance on Aircraft Oxygen Systems and Test Equipment. Duties include inspection, test and repair of Oxygen Regulators, Liquid Oxygen Converters and their related support equipment, and Aviators Breathing Oxygen Analyzer.

Source Rating: PR	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E6
Course: Course Mandatory	CIN: C-602-2040	CDP: 708V
Sequence Code: 5	RBTR: R-602-2011-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AEROGRAPHER'S MATE

AG-7412 Analyst-Forecaster

Interprets environmental observations and data, meteorological satellite information and numerical environmental products. Prepares analyses and prognoses of meteorological/oceanographic parameters for display and transmission. Forecasts meteorological and oceanographic conditions and issues warnings of severe and hazardous conditions. Conducts environmental briefings/debriefings for combat, operation and training operations.

Source Rating: AG	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E6
Course: Course Mandatory	CIN: C-420-2011	CDP: 390P
Sequence Code: 3	RBTR: R-420-2011-01, R-420-2011-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N960	Technical Advisor: NAVOCEAN	ECM: N132D2

NOTE: NEC may be awarded to Selective Reserve personnel based upon Commanding Officers submission of EPMAC 1221/12after completion of applicable training courses as determined by COMNAVOCEANCOM.

AVIATION SUPPORT TECHNICIANS

AS-7601 Support Equipment Cryogenic Mechanic

Performs on-equipment repair and intermediate maintenance on liquid oxygen servicing trailers, gaseous oxygen servicing trailers, nitrogen servicing trailers, walk around bottles, and oxygen systems purging equipment. Repairs regulators, valves, manifolds, pumps, and gauges.

Source Rating: AS	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: M-602-7015 E-602-7015	CDP: 628Y 568J
Sequence Code: 5	RBTR: R-602-7015-02	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AS-7603 Support Equipment Air Conditioning and Mobile Maintenance Facility (MMF) Technician

Performs on-equipment repair and intermediate maintenance on mobile air conditioners and HBO-36 air conditioners and mobile maintenance facilities (MMF).

Source Rating: AS	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: D-602-7035 E-602-7035	CDP: 554T 568L
Sequence Code: 5	RBTR: R-602-7035-01, R-602-7035-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AS-7606 Support Equipment Gas Turbine Mechanic

Performs on-equipment repair and intermediate maintenance on gas turbine units. Troubleshoots and repairs air and electrical control systems, fuel systems, bleed air systems, oil systems, and power generation systems. Repairs and adjusts fuel controls, flow dividers, oil and fuel pumps, generators, motors, relays, voltage regulators, thermostats, and air valves.

Source Rating: AS	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: D-602-7005 E-602-7005	CDP: 554N 568G
Sequence Code: 5	RBTR: R-602-7005-02, R-602-7005-03 R-602-7005-11, R-602-7010-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AS-7607 Shore Support Equipment Tow Tractor Technician

Performs on-equipment repair and intermediate maintenance on gasoline and diesel engines, drive trains, brakes, and steering systems installed in mobile, hydraulic, pneumatic systems, and their components.

Source Rating: AS	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: D-602-7010 E-602-7010	CDP: 554R 568H
Sequence Code: 5	RBTR: R-602-7010-01, R-602-7010-02 R-602-7085-03, R-602-7010-06	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AS-7609 Support Equipment Maintenance Manager

Plans, organizes, implements, and controls maintenance on all assigned support equipment in compliance with policy statements and directives by NAVAIR, type commanders and local commands. Implements and supervises aviation programs and operator training. Manages the preventive maintenance system on assigned support equipment.

Source Rating: AS	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: D-600-7002 E-600-7002	CDP: 554M 567Z
Sequence Code: 3	RBTR: R-600-7002-04	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AS-7610 Weapons Handling/Loading Equipment Mechanic

Performs equipment repair and intermediate maintenance on Raymond Reach Fork, Allis Chalmers Reach Fork, HLU-196 Weapons Loader. Troubleshoots and repairs hydraulic and systems and drive systems, hydraulic and electric control circuits and components, and mechanical drive and control systems.

Source Rating: AS	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course:	CIN:	CDP:
Sequence Code: 5	RBTR: R-602-7070-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AS-7612 SE Hydraulic Intermediate Maintenance Technician

Performs on-equipment repair and intermediate maintenance on hydraulic test stands, troubleshoots and repairs hydraulic and electrical control circuits and purifiers, hydraulic power supplies, flow dividers, hydraulic pumps, and aircraft jacks.

Source Rating: AS	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: D-602-7070 E-602-7070	CDP: 553K, 568T
Sequence Code: 5	RBTR: R-602-7070-01, R-602-7070-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AS-7614 Mobile Electric Power Plants Intermediate Maintenance Technician

Performs on-equipment repair and intermediate maintenance on shore based Mobile Electric Power Plants (MEPP). Troubleshoots and repairs electric motors, generators, voltage regulator systems, over and under voltage systems, frequency control systems, fault indicator systems and other control circuits. Repairs voltage regulators, motors, rectifiers, oscillators and magnetic amplifier.

Source Rating: AS	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: D-602-7080 E-602-7080	CDP: 553M 568V
Sequence Code: 5	RBTR: R-602-7080-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AS-7616 Ashore Maintenance Crane Intermediate Maintenance Technician

Performs intermediate level maintenance on A/S 32M-14 and A/S 32M-17 maintenance cranes and A/S 48M-2/3 manlifts. Troubleshoots and repairs electric hydraulic lifting systems, mechanical drive systems, suspensions and electric and hydraulic control circuits and components.

Source Rating: AS	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: D-602-7065 E-602-7065	CDP: 553P 568S
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AS-7617 Crash Equipment Technician (SEA)

Performs intermediate level maintenance on crash equipment including A/S32A 35/36 Shipboard Aircraft Crash Cranes. Troubleshoots and repairs electric and hydraulic lifting and drive systems, mechanical drive systems, suspensions, and electric and hydraulic control circuits and components.

Source Rating: AS	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: D-602-7060	CDP: 553R

	E-602-7060	568R
Sequence Code: 5	RBTR: R-602-7060-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AS-7618 Afloat Support Equipment Technician
Performs on-equipment repair and intermediate maintenance on engines, drive trains, brakes and steering systems installed in A/S32P-16 fire trucks, A/S32A and SD-2 aircraft tow tractors, including charging, starting, ignition, hydraulic, pneumatic systems and their components.

Source Rating: AS	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: D-602-7090	CDP: 571T
	E-602-7090	964D
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

AVIATION WARFARE SYSTEMS OPERATOR

NOTE: APPLIES TO ALL AVIATION WARFARE SYSTEMS OPERATOR NECs

AW's are Naval Aircrewman (NAC) in a permanent flight status. They man sensor positions in fixed and rotary wing ASW aircraft based ashore and aboard aircraft carriers, escort vessels, and sea control ships, and serve as analysts in ASW Modules and Tactical Support Center (TSC). They also perform collateral duties in rescue and utility functions aboard multipurpose aircraft with an ASW mission. AW's who do not volunteer or are not qualified for flight must change their rating in accordance with MILPERSMAN 1220-020.

NOTES:
1. AW personnel perform in-flight duties in accordance with various aircrew positions as enumerated by the Chief of Naval Operations.
2. These NECs reflect a member's aircrew and rating standards and verify the member's entitlement to flight pay. They do not, however, authorize payment nor determine the category of payment.
3. Participation in the NAC program and the principles governing payment therefore are contained in BUPERSINST 1326.4. Compliance with this instruction is mandatory prior to submission of recommendations for these NECs.
4. Individuals should be recommended for assignment of these NECs as soon as respective qualifications are obtained.
5. Final qualification for NAC designator is not a prerequisite for assignment of these NECs. However, final aircrew qualification is a requirement for retention within the AW rating community.
6. Basic specialty NECs will be assigned upon satisfactory completion of fleet readiness squadron training. Regardless of NEC, AC designation may only be awarded after successful completion of operational standards prescribed by the Chief of Naval Operations.
7. These NECs are the primary means of identification for AW aircrew qualifications. Commands shall ensure submission of EPMAC 1221/2 to EPMAC Code 49 immediately upon qualification for these NECs. Request for removal of any of these NECs will be submitted to Pers-231 via EPMAC Code 49 for final adjudication. Special emphasis must be given to the accuracy of billet coding and individual identification to provide for the assignment and/or retention of aircrew within the enlisted personnel distribution system.

AW-7815 Tactical Helicopter Search and Rescue Aircrew Swimmer
Performs aviation rescue swimmer duties and search and rescue operations primarily from tactical rotary wing aircraft.

Source Rating: AW	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: Q-050-0600	CDP: 6597
Sequence Code: 5	RBTR: R-210-0930-01, R-210-0530-03	NR Ind: R
	R-210-6457-01, R-050-0600-02	
Component NEC: 8201	Related NEC: 8215	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AW-7821 P3B/C Acoustic Sensor Operator
Operate advanced acoustic sensors in the P3B/C aircraft.

Source Rating: AW	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Mandatory	CIN: R-210-6224	CDP: 1706
	R-050-1101	1733
Sequence Code: 3	RBTR: R-050-1131-01, R-210-0363-01	NR Ind: R
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

NOTE: No new award of this NEC to active duty personnel.

AW-7825 ASW Operations Center (ASWOC) Equipment Operator

Supports operations of the ASWOC through utilization of tactical display, acoustic, electronic warfare, environmental, and associated equipment with an emphasis on tactical application. Operational support includes all facets of Maritime formatted message construction, acoustic intelligence (ACINT) data submission, and tactical mission briefing, debriefing, and reconstruction in support of maritime patrol operations.

Source Rating: AW	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR: R-210-0363-01, R-210-0363-04 R-210-6123-01	NR Ind: R
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

NOTE: No new award of this NEC.

AW-7827 ASW Operations Center Electronic Warfare Analyst

Collects, records, analyzes, and classifies acoustic target data received from tactical airborne platforms and provide tactical commanders/planners with results. Operates Fast Time Analyzer System (FTAS), Integrated Carrier ASW Prediction System (ICAPS) and associated equipment in Model 4.0 ASWMs. Provided brief and debrief services for airborne acoustic sensor operators.

Source Rating: AW	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR: R-000-7827-01	NR Ind: R
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

NOTE: No new award of this NEC.

AW-7834 S3B Multi-Sensor Operator

Operates acoustic processing, ISAR, MAD, FLIR and data link equipment in support of ASW, ASUW, Strike and C2W Commanders in the CVBG environment.

Source Rating: AW	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR: R-050-1721-01	NR Ind: R
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AW-7835 Tactical Support Center (TSC) Systems Operator

Performs TSC operations through utilization of tactical display, environmental, acoustic, non-acoustic and associated equipment with an emphasis on operational application. Uses TSC analysis equipment and tactical displays. Prepares messages and conducts operational briefings and debriefings; performs analysis and reconstruction of tactical missions and forwards mission data packages.

Source Rating: AW	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: D-210-4001	CDP: 2094
Sequence Code: 4	RBTR: R-210-1130-02, R-210-0363-02	NR Ind: R
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR, SPAWAR	ECM: N132D2

NOTE: Personnel with NEC 7825, 7827, or 7835 may earn NEC 7846 by attending the 4-week ASWMOD System Operator strand course (J-210-0392). Personnel with NEC 7846 may earn NEC 7835 by attending the 4-week TSC System Operator strand course (J-210-0363).

AW-7836 CV/CVN ASWMOD/TSC Watch Supervisor

Directs and supervises the ASWMOD/TSC watch team in the performance of all facets of mission preparation, support and reconstruction.

Source Rating: AW	Billet Paygrades: E7-E9	Personnel Paygrades: E7-E9
Course: Course Mandatory	CIN: D-210-4002	CDP: 0252
Sequence Code: 2	RBTR: R-210-1121-02, R-210-6123-02	NR Ind: A
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR, NAVSEA SPAWAR	ECM: N132D2

NOTE: SELRES and TAR personnel may earn NEC by attending either TSC/MOCC Watch Officer R-2G-6003 or TSC Watch Officer J-2G-0367.

USN personnel reporting to carriers will attend course J-22-0324/0154 (Ship Warfare Coordinator Course) vice J2G-0367/CDP 9292 (ASW OPS Center Watch Officer) to complete pipeline D-210-4002/CDP0252. Pers-404EC will coordinate with FCTCLANT AW-7836 Course.

AW-7841 P3C Update III Acoustic Sensor Operator
Operates advanced acoustic sensors in the P3C Update III aircraft.

Source Rating: AW	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: D-050-1230	CDP: 298H
Sequence Code: 3	RBTR: R-210-1130-01, R-210-1130-02	NR Ind: A
Component NEC: 8201	Related NEC: 7821	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

NOTE: Personnel holding NEC 7821 may earn NEC 7841 by attending the P-3CIII FRAC CAT 3 Course (D-210-1137/443K).

AW-7846 CV/CVN CV-TSC System Operator
Supports operation of the CV-TSC through utilization of tactical display, acoustic, electronic warfare, environmental, and associated equipment with an emphasis on tactical application. Operational support includes all facets of Maritime formatted message construction, acoustic intelligence (ACINT) data submission, Non-acoustic and tactical mission briefing, debriefing, and reconstruction in support of Battle Group airborne operations.

Source Rating: AW STG	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: D-210-4003	CDP: 2092
Sequence Code: 4	RBTR: R-210-0392-01	NR Ind: R
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR, NAVSEA	ECM: N132D2

NOTES:
1. Personnel with NEC 7835 may earn NEC 7846 by attending course J-210-0392
2. Personnel with NEC STG-0445 or 0450 may earn NEC AW-7846 by attending course J-210-0392
3. Component NEC required for AW personnel only.

AW-7851 P-3/EP-3J Non-Acoustic Operator
Operates non-acoustic sensors in the P-3/EP-3J aircraft.

Source Rating: AW	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 4	RBTR: R-050-1031-01	NR Ind: A
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

NOTE:
1. Personnel holding NEC AW-7861 may obtain NEC AW-7851 via completion of applicable Reserve Job Qualification Requirement (RJQR) syllabus.
2. No new award of this NEC to active duty personnel.

AW-7861 P3C Non-Acoustic Operator
Operates non-acoustic sensors in the P3C aircraft.

Source Rating: AW	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: D-050-1132	CDP: 298K
Sequence Code: 4	RBTR: R-210-1121-01, R-210-1121-02 R-050-1130-02, R-210-0363-04	NR Ind: A
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AW-7872 SH3H Multi-Sensor Operator
Performs Sonar and MAD operations, sonobouy interpretation in tactics employment for varied tactical missions, SAR operations and internal cargo transfer in support of utility and SPECWAR missions in the SH-3H aircraft.

Source Rating: AW	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: R-210-6450 R-210-6452	CDP: 4215 4223
Sequence Code: 4	RBTR: R-210-0530-01, R-210-0530-03	NR Ind: R
Component NEC: 8201	Related NEC:	Open to Women: Yes

Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

NOTE: No new award of this NEC to active duty personnel.

AW-7873 SH60B Multi-Sensor Operator
Operates acoustic and non-acoustic sensors in the SH60B LAMPS MK III aircraft.

Source Rating: AW	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: E-050-2510	CDP: 927E
	D-050-2510	258E
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 8201	Related NEC: 7871	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AW-7874 SH2G Multi-Sensor Operator
Operates acoustic and non-acoustic sensors in the SH2G LAMPS MK I aircraft.

Source Rating: AW	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: R-210-6458	CDP: 0102
	R-210-6457	387X
Sequence Code: 4	RBTR: R-210-6457-01	NR Ind: R
Component NEC: 8201	Related NEC: 7871	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

NOTE: No new award of this NEC to active duty personnel.

AW-7875 SH-60R MULTI MISSION HELICOPTER AIRCREWMAN
Performs in-flight duties as SH-60-R Aircrewman.

Rating: AW	Billet Paygrades: E3-E8	Personnel Paygrades: E1-E8
Course: Course Pending	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC: 8201	Related NEC: 7876	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

Note: NEC may be awarded through cadre training pending implementation of formal training.

AW-7876 SH-60F/HH-60H Multi-Sensor Operator
Performs sonar operations, sonobouy interpretation and tactics employment for varied tactical missions, SAR operations, and internal cargo transfer in support of utility and SPECWAR missions in the SH-60F/HH-60H aircraft.

Source Rating: AW	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: E-050-0831	CDP: 935N
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

AW-7877 P-3C Update III ASUW Improvement Program (AIP) Non-Acoustic Operator
Operates Non-Acoustic sensors in the P-3C Update III Anti-Surface Warfare Improvement Program aircraft.

Source Rating: AW	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC: 7861	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

NOTE: NEC may be awarded through cadre training pending impletation of formal training.

AVIATION ELECTRONICS TECHNICIAN

AT-7978 Radar Set Test Station IMA Technician
Performs in-depth maintenance and circuit analysis on the APM-446 Radar Set Test Station at the intermediate maintenance level in support of F/A-18 aircraft.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E7
CIN: D-198-8007
E-198-8007
RBTR: R-198-8007-01, R-198-8007-02
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E7
CDP: 0331
564F
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-7984 AWG-9/AWM-23 Radio Frequency Test Console IMA Technician
Performs functional tests, fault isolation, adjust/repair, and serviceability verification of assigned AWG-9 components and performs functional tests and corrects malfunctions on the RF test console.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E4-E7
CIN: D-104-8003
RBTR:
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E8
CDP: 557Y
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-7988 AWG-9/AWM-23 Low Frequency Test Station IMA Technician
Performs functional tests, fault isolation, repair, and serviceability verification of assigned AWG9 components and performs functional tests and corrects malfunctions on the low frequency test console.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E4-E7
CIN: D-104-8005
RBTR: R-104-8005-01, R-104-8005-02
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E8
CDP: 557X
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-7989 AWG-9/AWM-23 Computer Test Station IMA Technician
Performs functional tests, fault isolation, repair, and serviceability verification of assigned AWG9 components and performs functional tests and corrects malfunctions on the computer test console.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E4-E7
CIN: D-104-8001
RBTR: R-104-8001-04
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E8
CDP: 558C
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-7991 AWG-9/AWM-23 Controls and Displays Test Station IMA Technician
Performs functional tests, fault isolation, repair, and serviceability verification of assigned AWG9 components and performs functional tests and corrects malfunctions on the controls and displays test console.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E4-E7
CIN: D-104-8002
RBTR: R-104-8002-02
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E8
CDP: 558D
NR Ind: R
Open to Women: Yes
ECM: N132D2

AT-7992 AWG-9/AWM-23 Module Test Station IMA Technician
Performs functional test, fault isolation, repair, and serviceability verification of assigned AWG-9 components and performs tests and corrects malfunction on the module test console.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E4-E7
CIN: D-104-8006
RBTR:
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E8
CDP: 557Z
NR Ind: R
Open to Women: Yes
ECM: N132D2

AVIATION STOREKEEPER

AK-8012 Aviation Supply Systems Specialist

Performs aviation supply system functions, both afloat and ashore, utilizing the Naval Aviation Logistic Command Management Information System (NALCOMIS). Processes inventory management records and listings for the control of aviation repair parts stocks in the intermediate level cycle. Supervises the input of data to the NALCOMIS system and prepares the parameters for management report analysis.

Source Rating: AK, SK	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN: C-551-2016	CDP: 4222, 574P
Sequence Code: 3	RBTR: R-551-2016-03	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N41/889	Technical Advisor: NAVSUP	ECM: N132D15

AK-8013 Naval Aviation Logistics Command Management Information System (NALCOMIS) Supply Data Base Administrator (DBA)
Uses data base computer skills to support NALCOMIS at Intermediate Maintenance Activities (IMAs) afloat and ashore. Coordinates the operation and maintenance of NALCOMIS for the IMA supply department. Ensures system security and data base integrity. Monitors supply interface processing to ensure the accuracy of the NALCOMIS IMA data base as reflected against the host Supply Automated Information System. Performs utility programs as required. Possesses a working knowledge of NALCOMIS IMA supply software capabilities. Maintains familiarity with the operation of all NALCOMIS IMA hardware assigned to supply functional users. Coordinates with the Data Base Administrator (DBA) and Maintenance Data Base Administrator concerning scheduling and/or release of online batch reports, installation of new releases, submission of trouble reports to higher authority and other matters as required. Principal advisor to the NALCOMIS IMA System Administrator and Supply Officer on matters pertaining to NALCOMIS IMA.

Source Rating: AK, SK	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: D-555-0029 E-555-0029	CDP: 428Y 448G
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC: 8012	Open to Women: Yes
Primary Advisor: N41/889	Technical Advisor: NAVSUP	ECM: N132D15

PHOTOGRAPHER'S MATE

PH-8126 Photographic Quality Controlman
Controls photographic color positive, negative, and reversal processes through application of sensitometry, theory of color processing and limited chemical measurements. Establishes and maintains control of black and white photographic processes through statistical and sensitometric methods. Sets up automated color printing equipment. Develops sensitometric determination of optimum exposure and development throughout the reproduction process to meet local needs. Utilizes sensitometers, densitometers, pH meters, and possesses a through background in the principles of operation of all related equipment.

Source Rating: PH	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 3	RBTR: R-400-2016-02 , R-400-2016-03 R-400-2016-04	NR Ind: R
Component NEC: 8133	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N09C	Technical Advisor: NAVMEDIACEN	ECM: N132D10

PH-8133 EH-38 Photographic Quality Control Technician
Operates and maintains all black and white photographic machine processing equipment used in shipboard intelligence. Establishes and maintains quality control of the photographic process. Establishes sensitometric determination of optimum exposure and development of duplicate positives and negatives. Utilizes aerial film processors, splicers, sensitometers, densitometers, black and white enlargers, roll paper easels, and continuous strip printers. Performs organizational and intermediate maintenance of EH-38 film processors.

Source Rating: PH	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: S-150-0014	CDP: 328T
Sequence Code: 4	RBTR: R-150-0014-02, R-150-0014-06 R-150-0014-07	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N09C	Technical Advisor: NAVMEDIACEN	ECM: N132D10

PH-8143 Motion Media Cameraman
Performs all duties as a crewmember for controlled and uncontrolled motion media productions, including director on a small production crew. Primarily functions as a camera operator. Determines scene lighting and audio recording requirements. Can prepare shooting scripts and perform limited post production editing.

Source Rating: PH	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E6
Course: Course Mandatory	CIN: S-400-2010	CDP: 328W

Sequence Code: 5	RBTR: R-400-2010-02, R-400-2010-03 R-400-2013-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N09C	Technical Advisor: NAVMEDIACEN	ECM: N132D10

PH-8144 Motion Media Director/Editor

Directs crewmembers shooting controlled and uncontrolled motion media productions. Performs duties as on-scene crew chief. Senior editor for motion media post-production. Determines equipment and material requirements for each motion media production or Combat Camera mission. In controlled productions, directs action in the production of scenes and episodes, analyzes existing scripts and recommends appropriate script revisions, determines scene composition, coordinates action of performing personnel, directs audio recording during filming, supervises preparation of set, approves set design and props to be used.

Source Rating: PH	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN: S-400-2014	CDP: 4414
Sequence Code: 3	RBTR: R-400-2014-03, 400-2014-04	NR Ind: R
Component NEC: 8143	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N09C	Technical Advisor: NAVMEDIACEN	ECM: N132D10

PH-8147 Photojournalism Specialist

Covers and photographs events of news/documentary interest. Supports and effectively meets military services' public affairs objectives and programs. Applies layout and design principles; news and feature writing; basic and advanced photographic techniques and production; and demonstrates writing and photographic skills. Communicates with a mass print media audience through pictures and words. Produces news pictures, feature pictures and picture stories that lend balance and impact to print communication. Supports the efforts of ashore/afloat activity newspapers and the associated PAO effort.

Source Rating: PH JO	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: S-570-0017	CDP: 961V
Sequence Code: 3	RBTR: R-570-0017-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N09C	Technical Advisor: NAVMEDIACEN	ECM: N132D10

PH-8148 Photojournalist

Covers and photographs events of news/documentary interests. Selects and prepares photography in news form. Writes captions and text for news stories. Maintains liaison with photo-news media. Trains personnel in photojournalism techniques.

Source Rating: PH JO	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN: S-400-2013	CDP: 4464
Sequence Code: 3	RBTR: R-400-2013-01, R-400-2013-02 R-570-0017-02	NR Ind: R
Component NEC: 8147	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N09C	Technical Advisor: NAVMEDIACEN	ECM: N132D10

NOTES:

Waiver of course completion requirement will be considered upon completion of the following requirements:

1. Submit portfolio as outlined in CANTRAC under course Photographic Journalism Class C1 (S-4002013).
2. Submit a transcript from an accredited university photo-journalism curriculum to certify a minimum of 18 semester hours (30 quarter hours) with mandatory courses in advanced photo-journalism techniques and practices including picture editing, newswriting and reporting, feature article writing, graphic arts, layouts, design, publication production, editing, ethics in journalism, marketing, working with color including producing slide-tape presentations. Include copies of course descriptions from university catalog.
3. Verification in writing of two years current full-time civilian employment requiring use of the skills noted in subparagraph (2) above.
4. Completion of 2-week ACDUTRA (TBD by CHINFO) where writing and photography will be evaluated via daily assignments.
5. Submission of a performance evaluation by the ACDUTRA reporting senior.
6. Upon receipt of all material or verification by 1 March CNO (N09BG) will convene a board to consider applications for PH-8148. The board will convene annually in March and includes representatives from CHINFO.

PH-8192 Photographic Equipment Maintenance Technician

Performs organizational maintenance including inspection, servicing, lubrication, and repair of photographic production equipment, camera systems and other peripheral equipment used in photographic laboratories. Utilizes specialized tools and precision test/calibration equipment.

Source Rating: PH	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E6
Course: Course Mandatory	CIN: S-670-2012	CDP: 3297
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes

Primary Advisor: CNO N09C | Technical Advisor: NAVMEDIACEN | ECM: N132D10

PH-8193 Electronic Imaging Systems Specialist
Installs, configures and operates advanced electronic imaging systems to acquire, import enhance, manipulate, print, store, export and electronically transmit and receive digital images from shore based, afloat or airborne platforms.

Source Rating: PH JO IT	Billet Paygrades: E4-E5	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: S-400-2040	CDP: 324S
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N09C	Technical Advisor: NAVMEDIACEN	ECM: N132D10

NOTES:
1. NEC awarded upon completion of Electronic Imaging Course (S-400-2038).
2. Waiver of course completion will be considered when specialized university training in photojournalism has been completed. Submit transcript from an accredited university or professional civilian photographic school to certify completion of a minimum of 15 semester hours or equivalent quarter hours of an electronic imaging curriculum with mandatory courses in image acquisition and editing, graphic design, software and hardware configurations, archiving, emerging technologies, networking, ethics in journalism, production of presentations. Include copies of course descriptions from university or civilian photographic school catalog. Submit waiver request form (EPMAC 1221/2) to Commanding Officer, EPMAC (Code 49), New Orleans, La 70159-7900 via CNO (N09C4).

NAVAL AIRCREWMAN

8201-8298 Naval Aircrewmen
Personnel of various ratings assigned under a Distribution NEC of 82XX and 94XX by the Chief of Naval Personnel as a Naval Aircrewmen are in a permanent flight status. They perform duties in the various aircrew positions determined by the Chief of Naval Operations in fixed and rotary wing aircraft based ashore and afloat. Members who are not volunteers for flying duty or who are not qualified for flight duties shall not retain these NECs.

NOTE:
1. These NECs reflect a member's aircrew qualifications and verify the member's entitlement to flight pay. They do not, however, authorize payment nor determine the category of payment.
2. Final qualification for AC designator is not a prerequisite for NEC assignment.
3. Basic specialty NECs will be assigned upon satisfactory completion of readiness squadron training or command training syllabi when formalized training is not required. Regardless of NEC, AC designation may only be awarded after successful completion of operational standards prescribed by the Chief of Naval Operations.
4. These NECs are the primary means of identification for aircrewmen. Commands shall ensure submission of EPMAC 1221/2 to EPMAC via Pers-404E immediately upon qualification for the various NECs. Submit request for removal of these NECs to Pers-481 via EPMAC Code 49 for final adjudication. Special emphasis must be given to the accuracy of billet coding and individual identification to provide for the assignment and/or retention of aircrewmen within the personnel distribution system.

8201 Naval Aircrewman Candidate
Performs assignments in training, for flight crewman.

Source Rating: ABH AD AE AG AK AME AM AO AT AW AZ CTI CTO CTR CTT HM MS PH PR IT

	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: Q-050-1500	CDP: 806E
Sequence Code: 8	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

NOTES:
1. This NEC is assigned to those personnel undergoing flight indoctrination training and evaluation prior to completing a course of instruction leading to a crewmember NEC.
2. Members awarded this NEC must meet basic aircrew prerequisites, be in training for a valid Aircrew billet, and qualify for such training under the provisions of the MILPERSMAN, BUPERSINST 1326.4 Series, and TRANSMAN 9.12.
3. Members awarded this NEC who do not qualify for aircrew designation within 18 months as prescribed by OPNAVINST 3710.7 Series and BUPERSINST 1326.4 Series shall be discontinued from training.
4. This NEC will not be used to identify billets except within student UICs.
5. Commands must be authorized training appropriation from a Naval administrative command prior to initiating noncrewmember payment.

8202 Naval Aircrewman (Special Assignment)
Performs in-flight duties as assigned in support of command mission.

Source Rating: AS DETERMINED BY CHNAVPERS

	Billet Paygrades: E5-E9	Personnel Paygrades: E4-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

NOTES:
1. Personnel assigned to this DNEC are assigned to BUPERS designated special billets with joint services, foreign services and special assignments where USN coding is not applicable.
2. This NEC is assigned as a distributive NEC only to personnel by BUPERS and billets may be coded only with prior BUPERS concurrence.
3. The use, applicability and retention of this NEC is of a restricted nature.
4. The goal is to prevent entry level naval aircrewmen assigned to these billets from trying to earn aircrew designation without complying with the requirements established for all naval aircrewmen.

8203 ES-3 Electronic Warfare Operational Intelligence Crewman
Operates and troubleshoots ESM equipment applicable to ES-3 and special projects aircraft.

Source Rating: AT AE	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC: 8284	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

8205 CH-60S Multi-Mission Helicopter Aircrewman
Performs in-flight duties as CH-60S Aircrewman.

Source Rating: AD AM AME AE AM AT AO AF AV	Billet Paygrades: E3-E9	Personnel Paygrades: E1-E9
Course: Under development	CIN: E-050-3100, E-050-3102	CDP: 468T, 4822
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC: 8201	Related NEC: 8216	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8206 C-130T Flight Mechanic
Performs in-flight duties as a C-130T Flight Mechanic.

Rating: AD, AE, AM, AMS	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Pending	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8207 HH-60H Utility Aircrewman
Performs in-flight functions during special warfare support, combat search and rescue, and logistical support missions in the H-60H aircraft.

Rating: AD, AO, AE, AM, PR, AME, AT	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Pending	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC: 8201	Related NEC: 7876	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8208 C-130T Second Loadmaster
Performs in-flight duties as a loadmaster assistant. Performs maintenance, rigging, and in-flight functions of internal cargo handling for C-130T aircraft. Personnel are knowledgeable of aircraft systems, passenger handling, safety procedures and equipment, federal and military regulation for passenger transport, emergency procedures and aircraft equipment.

Rating: AD, AO, AE, AM, AME, AT ABH, AK, AZ	Billet Paygrades: E3-E7	Personnel Paygrades: E1-E7

Course: Pending	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8209 C-40A Crew Chief

Performs in-flight duties as a C-40A Crew Chief, knowledgeable of all aircraft systems, emergency procedures and flight equipment.

Rating: AD, AM, AE, AT, AF, AV	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E9
Course: Pending	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC: 8289 8278	Related NEC: 8250	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8211 Helicopter Utility Aircrewman

Performs in-flight functions in support of mission in the HH-1, HH-3, and TH-57 aircraft.

Source Rating: AD AO AE AM AME , AT

	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: D-050-0515 E-050-2010 D-050-0518	CDP: 2260 181G 634J
Sequence Code: 4	RBTR: R-050-0502-01, R-050-0515-01	NR Ind: R
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

NOTE: HH-1 Utility Aircrewman course is E-050-2010/181G; HH-3 Utility Aircrewman course is D-050-0515/2260. TH-57 Utility Aircrewman may earn the NEC via OJT.

8215 Helicopter Search and Rescue Aircrew Swimmer

Performs aviation rescue swimmer duties and search and rescue operations primarily from non-tactical rotary wing aircraft.

Source Rating: AD AM AME, AE AF AO AV AT

	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: Q-050-0602	CDP: 4630
Sequence Code: 5	RBTR: R-050-0010-01, R-050-0600-01 R-050-0515-01, R-050-0600-03	NR Ind: R
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

NOTE: Detailers (Pers-404E) and ECM (N13) will review this NEC for removal after 48 months or more absence from a rescue swimmer billet.

8216 H-46 Utility Aircrewman

Performs and supervises maintenance, loading, rigging, weight and balance, and in-flight functions of external cargo handling for helicopter platforms during vertical replenishment operations.

Source Rating: AD AM , AE AO AT AME PR

	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: E-050-2400	CDP: 937X
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8220 C-130 LOADMASTER

Performs in-flight duties as a Loadmaster in the C-130 aircraft. Performs and supervises the loading, rigging, and weight and balance calculations for internal cargo on C-130 aircraft. Is knowledgeable of aircraft systems, aircraft flight procedures and in-flight emergency procedures.

Source Rating: AD, AM, AME,. AE, AT, AO, AB, ABH, AF, AV

	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Pending	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A

Component NEC: 8201 | Related NEC: 8278 | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

8225 MH-53 Utility Aircrewman
Performs and supervises maintenance, loading, rigging, weight and balance, and in-flight functions of external and internal cargo handling for helicopter platforms during vertical onboard delivery operations.

Source Rating: AD AM AME AE AT AO PR
Billet Paygrades: E3-E8 | Personnel Paygrades: E3-E8
Course: Course Mandatory | CIN: D-050-2791 | CDP: 2047
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: 8201 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

8226 MH-53 Airborne Mine Countermeasures (AMCM) Aircrewman
Performs in-flight duties and operates appropriate airborne equipment in helicopter mine countermeasures operations.

Source Rating: AD AM AME AT AE AO PR
Billet Paygrades: E3-E8 | Personnel Paygrades: E3-E8
Course: Course Mandatory | CIN: D-050-2793 | CDP: 2048
Sequence Code: 4 | RBTR: R-050-2795-01 | NR Ind: R
Component NEC: 8225 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

8227 E-6B REEL System Operator
Performs in-flight operation/maintenance of the E-6B Dual trailing wire antenna system.

Source Rating: AE AM | Billet Paygrades: E4-E7 | Personnel Paygrades: E4-E7
Course: Course Mandatory | CIN: E-050-0412 | CDP: 336W
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: 8201 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

8228 E-6B Communications Operator
Performs duties as in-flight E-6B communications system operator. Is knowledgeable of naval communications procedures and cryptographic materials, aircraft systems, emergency procedures, and in-flight equipment on E-6B aircraft.

Source Rating: IT, AW | Billet Paygrades: E4-E7 | Personnel Paygrades: E4-E7
Course: Course Mandatory | CIN: E-050-0413 | CDP: 336X
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: 8201 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

8229 E-6B In-flight Technician
Performs scheduled and unscheduled organizational and in-flight, maintenance on the E-6B mission communications and avionics systems.

Source Rating: AT | Billet Paygrades: E4-E7 | Personnel Paygrades: E4-E7
Course: Course Mandatory | CIN: E-050-0414 | CDP: 336P
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: 8201 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D2

8235 E-6 Flight Engineer
Performs in-flight duties as an E-6 Flight Engineer.

Source Rating: AD AE AM | Billet Paygrades: E5-E8 | Personnel Paygrades: E5-E8
Course: Course Mandatory | CIN: E-050-0410 | CDP: 958V
Sequence Code: 3 | RBTR: | NR Ind: R
Component NEC: 8201 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

8236 E-6A Reel System Operator
Performs in-flight operation/maintenance of the E-6A dual trailing wire antenna system.

Source Rating: AME AM AE
Course: Course Mandatory
Sequence Code: 4
Component NEC: 8201
Primary Advisor: CNO N789

Billet Paygrades: E4-E7
CIN: E-050-0450
RBTR:
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E4-E7
CDP: 773C
NR Ind: R
Open to Women: Yes
ECM: N132D1

8237 E-6A Flight Communications Operator
Performs duties as an in-flight E-6A communications system operator. Is knowledgeable of naval communications procedures and cryptographic materials, aircraft systems, emergency procedures, and flight equipment on E-6A aircraft.

Source Rating: IT
Course: Course Mandatory
Sequence Code: 4
Component NEC: 8201
Primary Advisor: CNO N789

Billet Paygrades: E4-E7
CIN: E-050-0415
RBTR:
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E8
CDP: 4914
NR Ind: R
Open to Women: Yes
ECM: N132D6

Note: No new assignment of this NEC

8238 E-6A In-Flight Technician
Performs in-flight troubleshooting and maintenance of E-6A avionics/mission communications systems. Is VLF systems and voice operator. Is knowledgeable of aircraft systems, emergency procedures and flight equipment.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 4
Component NEC: 8201, 8343
Primary Advisor: CNO N789

Billet Paygrades: E4-E7
CIN: E-102-0422, E-050-0451
RBTR:
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E8
CDP: 773B, 4916
NR Ind: R
Open to Women: Yes
ECM: N132D2

8241 C-12 Transport Aircrewman
Performs in-flight functions as assigned in support of mission.

Source Rating: AD AO AME AM AG AE
Course: Course Mandatory
Sequence Code: 4
Component NEC: 8201
Primary Advisor: CNO N789

Billet Paygrades: E3-E7
CIN: D-050-0015
E-050-0015
RBTR: R-050-0013-01, R-050-0013-02
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E7
CDP: 181H
1119
NR Ind: R
Open to Women: Yes
ECM: N132D1

8245 C-20 Crew Chief
Performs in-flight and ground duties as a Gulfstream III/IV Flight Engineer/Mechanic. Is knowledgeable on all aircraft systems, emergency procedures, and flight equipment.

Source Rating: AD AE AME AM
Course: Course Mandatory
Sequence Code: 4
Component NEC: 8201
Primary Advisor: CNO N789

Billet Paygrades: E5-E8
CIN:
RBTR: R-050-1500-05
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E5-E9
CDP:
NR Ind: A
Open to Women: Yes
ECM: N132D1

NOTE: NEC 8245 awarded upon completion of G-IV Initial administered by Flight Safety International.

8250 C-9 Crew Chief
Performs in-flight duties as a C-9 flight engineer. Is knowledgeable of all aircraft systems, emergency procedures and flight equipment.

Source Rating: AD AM AE AME AF AT AV
Course:
Sequence Code: 3
Component NEC: 8201, 8278
Primary Advisor: CNO N789

Billet Paygrades: E5-E9
CIN:
RBTR: R-050-8250-01
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E5-E9
CDP:
NR Ind: R
Open to Women: Yes
ECM: N132D1

NOTE 1 : C-9 Ground School and Simulator Instruction Course from Flight Safety International.
NOTE 2 : TAR E-9 personnel are not eligible for this NEC.

8251 P-3 Flight Engineer
Performs in-flight duties as a P-3 flight engineer. Is knowledgeable of all aircraft systems, emergency procedures and flight equipment.

Source Rating: AD AM AE AME AF AO AV

	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: D-050-1010	CDP: 002X
Sequence Code: 3	RBTR: R-050-1004-01	NR Ind: R
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

NOTE: E-4s may be authorized a paygrade waiver for award of NEC 8251 on a case by case basis. Submit 1221/2 to EPMAC (Code 49) via BUPERS (Pers-404E)

8252 C-130 Flight Engineer
Performs in-flight duties as a C-130 flight engineer. Is knowledgeable of all aircraft systems, emergency procedures and flight equipment.

Source Rating: AD AM AE AME	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E8
Course:	CIN:	CDP:
Sequence Code: 3	RBTR: R-050-0418-01	NR Ind: R
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

NOTE: NEC may be earned by completing course C-130-EP-01-FR.

8261 P-3/EP-3J In-Flight Technician
Performs in-flight fault isolation and repair of P-3/EP-3J avionics equipment at the organizational maintenance level. Is knowledgeable of aircraft avionics systems, emergency procedures and flight equipment.

Source Rating: AT	Billet Paygrades: E4-E8	Personnel Paygrades: E4-E8
Course: OJT	CIN:	CDP:
Sequence Code: 4	RBTR: R-050-8261-01	NR Ind: A
Component NEC: 6582 and 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

NOTE: Personnel removed from flight status shall be recoded to AT-6582.

8262 P-3C Update III In-Flight Technician
Performs in-flight duties of fault isolation and component repair of the P-3C UPDATE III avionics equipment at the organizational level.

Source Rating: AT	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: D-050-1130	CDP: 193N
Sequence Code: 4	RBTR: R-050-1130-01	NR Ind: R
Component NEC: 8201	Related NEC: 8263, 8319	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

8263 P-3C In-Flight Technician
Performs in-flight duties of fault isolation and component repair of P-3C avionics equipment at the organizational level. Is knowledgeable of aircraft avionics and computer systems, emergency procedures and flight equipment.

Source Rating: AT AV	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: R-102-1127	CDP: 3603
Sequence Code: 4	RBTR: R-050-1124-01	NR Ind: R
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

8265 P-3/EP-3J Flight Communications Operator
Performs in-flight duties as a flight communications operator. Is knowledgeable of aircraft communications procedures, flight communications equipment and emergency procedures.

Source Rating: AT	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8

Course: OJT
Sequence Code: 4
Component NEC: 8201
Primary Advisor: CNO N789

CIN:
RBTR: R-201-6921-01
Related NEC:
Technical Advisor: NAVAIR

CDP:
NR Ind: A
Open to Women: Yes
ECM: N132D2

8271 P-3 Flight Crew Ordnanceman
Performs in-flight duties as a flight crew ordnanceman on P-3 aircraft. Is knowledgeable of aircraft ordnance systems, weapons loading, emergency procedures, and flight.

Source Rating: AO
Course: Course Mandatory
Sequence Code: 4
Component NEC: 8201
Primary Advisor: CNO N789

Billet Paygrades: E3-E8
CIN: R-050-6124
RBTR: R-050-1151-01
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E8
CDP: 387C
NR Ind: A
Open to Women: Yes
ECM: N132D1

NOTE: NEC awarded to reserve personnel only.

8278 Loadmaster
Performs in-flight duties as a Loadmaster inC-9, C-20, and C-40A aircraft. Performs and supervises loading, rigging, weight and balance, and in-flight functions of internal cargo handling and hazardous material for fixed wing aircraft. Is knowledgeable of aircraft systems, emergency procedures and flight equipment.

Source Rating: AD AM AME AE ABH AO AT AB AF AV
Course:
Sequence Code: 3
Component NEC: 8201, 8289
Primary Advisor: CNO N789

Billet Paygrades: E4-E9
CIN:
RBTR: R-553-3000-01
R-553-3000-02
R-553-3000-03
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E9
CDP:
NR Ind: R
Open to Women: Yes
ECM: N132D1

8279 C-2 Transport Aircrewman
Performs in-flight duties as a transport aircrewman on C-2 aircraft. Performs and supervises inspections, maintennace, troubleshooting, loading, rigging, internal cargo handling and weight and balance. Is knowledgeable of aircraft systems, emergency procedures and flight equipment.

Source Rating: AD AME AM AE
Course: Course Mandatory
Sequence Code: 4
Component NEC: 8201
Primary Advisor: CNO N789

Billet Paygrades: E4-E7
CIN: D-050-2302
RBTR:
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E7
CDP: 595G
3264
NR Ind: R
Open to Women: Yes
ECM: N132D1

NOTE: Personnel who held NEC 8258 or 8279 before the C-2 aircrewman consolidation may earn NEC 8279 or receive difference training by attending the C-2 FRAC CAT 3 Course (D-050-2306/3264).

8284 Aviation Electronic Warfare Operator
Operates EW equipment in P-3, EP-3 and ES-3 aircraft.

Source Rating: AT AE
Course: Course Mandatory
Sequence Code: 4
Component NEC: 8201
Primary Advisor: CNO N789

Billet Paygrades: E3-E8
CIN: E-233-0120
RBTR: R-233-0022-01
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E8
CDP: 527R
NR Ind: R
Open to Women: Yes
ECM: N132D2

8288 Aerial Cameraman
Performs-in-flight duties as an aerial cameraman. Is knowledgeable of photographic equipment, aerial photographic techniques, aircraft equipment, emergency procedures and flight procedures.

Source Rating: PH
Course: OJT
Sequence Code: 4
Component NEC: 8201

Billet Paygrades: E3-E7
CIN:
RBTR: R-024-0000-01, R-400-2010-02
R-400-2014-03
Related NEC:

Personnel Paygrades: E3-E7
CDP:
NR Ind: A
Open to Women: Yes

Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D10

8289 Transport Safety Specialist
Performs in-flight duties as a flight attendant in C-9 and C-130 aircraft. Is knowledgeable of passenger handling requirements, safety procedures and equipment, federal and military regulations for passenger transport, emergency procedures, and aircraft equipment.

Source Rating: AO AME AM AE MS AD AK AT AZ , SK

	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: OJT	CIN:	CDP:
Sequence Code: 4	RBTR: R-050-1500-03, R-050-8289-02	NR Ind: A
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8295 Cryptologic Technician Operator/Analyst
Performs in-flight functions as a cryptologic operator analyst. Is knowledgeable of airborne data collection systems, emergency and flight procedures.

Source Rating: CTI CTR CTT	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: OJT	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789, N20	Technical Advisor: NAVAIR, SECGRU	ECM: N132D8

NOTE: Personnel must complete Survival Evasion Resistance and Escape (SERE) training (D-2D-0039/2553 or E-2D-0039/2638). NAWSTP and NAPTP must be current.

8296 EP-3E Cryptologic Technician Operator/Analyst
Performs in-flight functions as a cryptologic operator/analyst on EP-3E (ARIES II). Knowledgeable of the EP-3E data collection systems, emergency and flight procedures.

Source Rating: CTI CTT CTO CTR	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: E-050-3021	CDP: 2125
	E-050-3023	2124
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 8201	Related NEC: 8295	Open to Women: Yes
Primary Advisor: CNO N789, N20	Technical Advisor: NAVAIR, SECGRU	ECM: N132D8

NOTE:
1. Personnel must complete Survival Evasion Resistance and Escape (SERE) training (D-2D-0039/2553 or E-2D-0039/2638).
2. CTI, CTR and CTO personnel attend course E-050-3021/2125; CTT personnel attend course E-050-3023/2124.

8297 ES-3A Cryptologic Technician Operator/Analyst
Performs in-flight functions as a cryptologic operator/analyst on ES-3A. Knowledgeable of the ES-3A data collection systems, emergency and flight procedures.

Source Rating: CTI	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 8201	Related NEC: 8296	Open to Women: Yes
Primary Advisor: CNO N789, N20	Technical Advisor: NAVAIR, SECGRU	ECM: N132D8

AIRCRAFT SYSTEMS MAINTENANCE PERSONNEL

8300 Aviation Maintenance Material Control Master Chief
Assists the Maintenance Material Control Officer in squadrons or Aircraft Intermediate Maintenance Departments in carrying out readiness responsibilities. Provides liaison between the Maintenance Material Control Officer and the Production Division supervisors. Performs managerial functions in the areas of operational commitments, aircraft or bench status, workload requirements and personnel assets. Coordinates, prioritizes and monitors all Production Division maintenance efforts. Assigns material priorities and monitors overall material support, ground support equipment usage and cannibalization.

Source Ratings: AO AZ PR AF AV AD AM AT AE

	Billet Paygrades: E9-E9	Personnel Paygrades: E8-E9
Course: OJT	CIN:	CDP:

Sequence Code: 2	RBTR:	NR Ind: A
Component NEC:	Related NEC: 8303, 8304, 8305 8306, 8307, 8308, 8310 8318, 8319, 8331, 8342, 8345, 8346, 8351, 8374, 8375, 8377, 8379, 8380	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

NOTE: To be assigned this NEC, personnel must be a Senior Chief or Master Chief who has held one or more of the following billets while at the E-8 or E-9 level (must have served in the billet for at least 12 months): Maintenance Control Supervisor, Production Control Supervisor, Quality Assurance Supervisor (O or I Level), Division Leading Chief (I Level only). Submit documentation of completed prerequisite billet along with 1221/2 to EPMAC (Code 49) via the Enlisted Community Manager.

8303-8391 AIRCRAFT MAINTENANCE TECHNICIAN

Performs organizational level maintenance on aircraft systems.

NOTE: Selected Reserve (SELRES) personnel must complete the course requirements for an 8300 series NEC for those courses which have a prerequisite 8800 series NEC. The 8300 series NEC may be Reserve Job Qualification Requirements (RJQR) syllabus awardable only when there is not an associated 8800 series NEC.

8303 CH/MH-53E Systems Organizational Career Maintenance Technician

Source Ratings: AD AE AM AT	Billet Paygrades:E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: AM D-602-2785	CDP: 552H
	AD D-601-2715	552G
	AE D-602-2758	552K
	AT D-102-2725	552J
	M-102-2731	861V
	M-601-2720	861L
Sequence Code: 4	RBTR: R-102-2725-01, R-601-2715-02 R-602-2758-01, R-602-2785-01	NR Ind: A
Component NEC: 8803	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8305-C2/E2 Systems Organizational Career Maintenance Technician

Source Rating: AME	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Source Ratings: AD AE AM AT AF AV	Billet Paygrades: E5-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: D-102-0321	CDP: 555E
	AM D-602-0381	554Z
	E-602-0381	561U
	AME D-602-0260	554Y
	E-602-0260	561S
	AD D-601-0310	554X
Sequence Code: 4	RBTR: R-601-0310-01, R-602-0260-02 R-602-0381-03, R-602-0350-01 R-102-0321-02, R-602-0260-02	NR Ind: A
Component NEC: 8805	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

NOTES:
1. C2/E2 training applicable to AD, AM, AME, AMH, and AF personnel.
2. C2/E2 AD training applies to the T56-A-425 engine.
3. NEC applies to AT and AE personnel for E-2/C-2 Non-Group II only.
4. Component NEC not required for AME personnel.
5. Personnel in paygrades E1 through E4 who were previously trained and awarded NEC 8305 are authorized to retain this NEC. No new awards of this NEC will be made to E-3 and below personnel.

8306 E-2C Group II Systems Organizational Career Maintenance Technician

Source Ratings: AE AT AD	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: AE E102-0325	CDP: 561G

	E-602-0350	561T
	D-602-350	555D
	E-601-0313	960Z
	D-102-0325	325E
	D-601-0313	325G
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC: 8806	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

NOTES:
1. AD rating applies to the T-56-A-427 engine.
2. Personnel in paygrades E1 through E4 who were previously trained and awarded NEC 8306 are authorized to retain this NEC. No new awards of this NEC will be made to E-3 and below personnel.
3. ATs must complete a minimum of 2 years in the 8806 NEC before attending 8306 courses.

8307 C-2A Systems Organizational Career Maintenance Technician

Source Ratings: AT AE AV	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: AE D-602-2351	CDP: 555B
	AT D-102-2321	555A 555A
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

8310 C9B Systems Organizational Career Maintenance Technician

Source Ratings: AD AE AM AME AF AT PR AV		
	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: OJT	CIN:	CDP:
Sequence Code: 4	RBTR: R-120-8310-01, R-130-8310-01	NR Ind: A
	R-210-8310-01, R-220-8310-01	
	R-601-2610-01	
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

NOTES:
NEC may be awarded upon completion of one of the following Job Qualification Requirements (JQR):
1. C9B Plane Captain JQR
2. C9B Crew Chief JQR
3. C9B Power Plants JQR
4. C9B Structural/Hydraulics JQR
5. C9B Electrical JQR
6. C9B Avionics Technician JQR
7. C9B Environmental/Fire Protection/Survival/Utility Systems JQR

8312 Aircraft Aerial Refueling Stores (ARS) Organizational Career Maintenance Technician
Performs preflight and postflight troubleshooting, fault isolation, removal and replacement of faulty assemblies/subassemblies, and repair of assemblies/subassemblies of the Sargent-Fletcher-SF-31-301 aerial refueling stores.

Source Ratings: AD AE AM	Billet Paygrades: E3-E6	Personnel Pay Grade: E3-E6
Course: Course Mandatory	CIN: C-602-3084	CDP: 549N, 1141
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8313 C-40A Systems Organizational Career Maintenance Technician
Performs organizational maintenance on the C-40 Aircraft.

Rating: AT, AE, AD, AM, AME	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course:	CIN	CDP
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC: 8343	Open to Women: Yes
Primary Advisor: CNO (N889)	Technical Advisor: COMNAVRESFOR	ECM: N132D1

8314 C-20G Systems Organizational Career Maintenance Technician
Performs organizational maintenance on the C-20 Aircraft.

Rating: AT, AE, AD, AM, AME	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: R-601-2009	CDP: 5821
	R-601-2017	633K
	R-602-2010	5822
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: COMNAVRESFOR	ECM: N132D1

8315- E-6B System Organizational Career Maintenance Technician
Performs organizational level maintenance on the E-6B aircraft.

Rating: AT	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Pending	CIN: E-102-6144	CDP: 3548
	E-601-0415	0721
	E-602-0452	0713
	E-602-0466	075F
	E-603-0470	071S
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC: 8809	Related NEC: 8343	Open to women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8316 E-2C CAREER
Performs Organizational Maintenance on the E-2C Hawkeye 2000 aircraft new configuration/modified avionics and electrical systems. The new/modified system consists of a Mission Computer Upgrade (MCU) CP-2319/ASQ-225, Data Loader Recorder (DLR) RD-664/ASH, Navigation Upgrade System (NAV UPGRADE) that includes, dual Carrier Aircraft Flight Control System (SCADC) CP-140/U, Digital Data Communications Set (RT-1379A/ASW, Upgraded Multifunction Control Display Units (MFCDU), and the Global Positioning System (GPS). Other systems currently include the Joint Tactical Information Distribution System (JTIDS), and APS-145 Radar, with the Cooperative Engagement Capability (CEC) AN/ USG-3 system schedule for installation in the near future (FY01).

Source Rating: AT, AE	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E7
Course: Pending	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC: 8306	Related NEC: 8306	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8318 C-130 Systems Organizational Career Maintenance Technician

Source Ratings: AD AT AE AM AME AV AF		
	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: M-102-0451	CDP: 182H
	M-601-0412	182K
	M-602-0455	182J
	M-602-0462	182G
	M-602-0486	219C
Sequence Code: 4	RBTR: R-102-0452-01, R-601-0420-01	NR Ind: A
	R-602-0456-01, R-602-0465-01	
	R-602-0485-01, R-602-0485-02	
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

Note: NEC may be awarded to SELRES personnel upon completion of C-130 Maintenance Computer Based Training (CBT) / Fleet Readiness Enlisted Skill Training (FREST). The training for SELRES will consist of these four phases: Phase I-Self paced, non-resident CBT Part one. Phase II-Two week drill period (formal training by mobile training team, Part one). Phase III-Self paced, non-resident CBT Part two. Phase IV-Two week drill period (formal training by mobile training team, Part two).

8319 P-3 Systems Organizational Career Maintenance Technician

Source Rating: AO	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Source Ratings: AD AE AME AM AT	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: D-102-1132	CDP: 553C

	D-602-1151, E-602-1151	554C
AD	D-601-1110	553W, 949B
AM	D-602-1080, E-602-1080	553X , 949A
AME	D-602-1161, E-602-1161	553Y, 948Z
AO	E-102-1132, D-646-1140	948W,553V
	E-601-1110	948Y
	E-646-1140	949C
	R-102-1127	3603

Sequence Code: 4 | RBTR: R-601-1110-01, R-602-1080-01 R-602-1161-01, R-646-1140-02 | NR Ind: A

Component NEC: 8819 | Related NEC: | Open to Women: Yes

Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

NOTE 1: Personnel in paygrades E1 through E4 who were previously trained and awarded NEC 8319 are authorized to retain this NEC. No new awards of this NEC will be made to E-3 and below personnel.
NOTE 2: Component NEC not required for AO personnel

8332 EA-6B Systems Organizational Career Maintenance Technician

Source Rating: AO | Billet Paygrades: E3-E7 | Personnel Paygrades: E3-E7

Source Ratings: AD AE AT AME AM

Billet Paygrades: E5-E7 | Personnel Paygrades: E4-E7

Course: Course Mandatory

CIN: AD	E-601-1810	CDP: 566C
AE	E-602-1851	566D
AM	E-602-1881	566F
AME	E-602-1860	566E
AT	E-102-1823	565T
AO	E-646-1840	566J

Sequence Code: 4 | RBTR: R-102-1823-01, R-601-1810-01 R-602-0780-15, R-602-1851-01 R-602-1860-01, R-602-1881-01 R-646-1840-01, R-601-1812-01 R-602-1853-01, R-102-1827-01 R-602-1883-01, R-602-1865-01 | NR Ind: A

Component NEC: 8832 | Related NEC: | Open to Women: Yes

Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

NOTE:
1. Component NEC not required for AO personnel.
2. Personnel in paygrades E1 through E4 who were previously trained and awarded NEC 8332 are authorized to retain this NEC. No new awards of this NEC will be made to E-3 and below personnel.

8335-F-14B/D Systems Organizational Career Maintenance Technician
AT and AE personnel perform organizational maintenance on the F-14D aircraft. AD personnel perform organizational maintenance on the F-14B and F-14D aircraft.

Source Ratings: AD AT AE AME AO | Billet Paygrades: E5-E7 | Personnel Paygrades: E4-E7

Course: Course Mandatory

CIN: AT	D-102-1630	CDP: 0281
AD	D-601-1612	557E

Sequence Code: 4 | RBTR: | NR Ind: R

Component NEC: 8835 | Related NEC: | Open to Women: Yes

Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

NOTE: Personnel in paygrades E1 through E4 who were previously trained and awarded NEC 8335 are authorized to retain this NEC. No new awards of this NEC will be made to E-3 and below personnel.

8341 F/A-18E/F Systems Organizational Career Maintenance Technician
Performs organizational career level maintenance on the F/A-18E/F aircraft.

Source Ratings: AT AE AME AD AO | Billet Paygrades: E5-E7 | Personnel Paygrades: E5-E7

Course: Course Pending | CIN: E-102-0624, E-6 01-0619 E-602-0656, E-602-0666 | CDP: 396A, 3945, 3946, 3951, 3950, 3942

E-602-0688, E646-0644

Sequence Code: 4	RBTR:	NR Ind: A
Component NEC: 8841	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8342 F/A-18 Systems Organizational Career Maintenance Technician

Source Ratings: AD AE AO AT AME AM	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: AM D-602-0681	CDP: 029K
	E-602-0681	564P
	AME D-602-0660	0325
	E-602-0660	564N
	AT D-102-0630	0366,
	E-102-0630	563M
	AE D-602-0650	0365
	E-602-0650	564M
	AD D-601-0611	0364
	E-601-0611	564K
	AO D-646-0641	0293
	E-646-0641	564T
Sequence Code: 4	RBTR: R-102-0630-01, R-102-0630-02	NR Ind: A
	R-601-0611-01, R-601-0611-02	
	R-602-0650-01, R-602-0650-02	
	R-602-0660-01, R-602-0660-02	
	R-602-0681-03, R-602-0861-02	
	R-646-0641-01, R-646-0641-02	
Component NEC: 8842	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

NOTE: Personnel in paygrades E1 through E4 who were previously trained and awarded NEC 8342 are authorized to retain this NEC. No new awards of this NEC will be made to E-3 and below personnel.

8343 E-6 Systems Organizational Career Maintenance Technician
Performs organizational level maintenance on all E-6 series aircraft.

Source Rating: AT AME	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Source Ratings: AD AE AM	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC: 8843	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

NOTES:
1. Component NEC not required for AME and AT personnel.
2. Personnel in paygrades E1 through E4 who were previously trained and awarded NEC 8343 are authorized to retain this NEC. No new awards of this NEC will be made to E-3 and below personnel.
3. This NEC is applicable to the E-6A aircraft only for AT personnel

8345 F-14 Systems Organizational Career Maintenance Technician
AT and AE personnel perform organizational maintenance on the F-14A and F-14B aircraft. PH, AMS, AMH, AME and AO personnel perform organizational maintenance on the F-14A, F-14B and F-14D aircraft. AD personnel perform organizational maintenance on the F-14A aircraft.

Source Rating: PH	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Source Ratings: AE AD AO AT AME AM		
	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: AM D-602-1681	CDP: 557C
	AO/AD D-601-1611	556Y
	AME D-602-1661	557A
	AT D-102-1623	556N
	AE D-602-1652	557D
	AO D-646-1641	556Z
	PH D-400-1600	557S
Sequence Code: 4	RBTR: R-102-1621-01, R-400-1600-01	NR Ind: A

R-601-1611-01, R-602-1652-01
R-602-1661-01, R-602-1661-05
R-602-1681-01, R-602-1681-09
R-646-1641-02

Component NEC: 8845 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

NOTES:
1. Component NEC not required of PH personnel.
2. Personnel in paygrades E1 through E4 who were previously trained and awarded NEC 8345 are authorized to retain this NEC. No new awards of this NEC will be made to E-3 and below personnel.

8346 S-3A Systems Organizational Career Maintenance Technician

Source Ratings: AD AME AT AE AO AF AM AV
Billet Paygrades: E5-E9 | Personnel Paygrades: E3-E9
Course: Course Mandatory

CIN:		CDP:
AM	D-602-1780	033K
	E-602-1780	569W
AME	D-602-1760	0340
	E-602-1760	569V
AD	D-601-1710	033L
	E-601-1710	569S
AE	D-602-1750	033S

Sequence Code: 4 | RBTR: R-602-1780-01, R-646-1740-01 | NR Ind: A
Component NEC: 8847 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

8347 S-3B Systems Organizational Career Maintenance Technician
Performs organizational level maintenance on the S-3B aircraft system.

Source Ratings: AT AO | Billet Paygrades: E5-E7 | Personnel Paygrades: E4-E7
Course: Course Mandatory

CIN:		CDP:
AT	D-102-1741	0341
	E-602-1750	569U
AO	D-646-1744	0342
	E-102-1741	569F
	E-646-1744	569Z

Sequence Code: 4 | RBTR: | NR Ind: A
Component NEC: 8847 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

NOTE: Personnel in paygrades E1 through E4 who were previously trained and awarded NEC 8347 are authorized to retain this NEC. No new awards of this NEC will be made to E-3 and below personnel.

8351 A-4 Systems Organizational Career Maintenance Technician

Source Ratings: AD AT AO AE AM AME AF AV
Billet Paygrades: E3-E9 | Personnel Paygrades: E3-E9
Course: OJT | CIN: | CDP:
Sequence Code: 6 | RBTR: | NR Ind: A
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N789 | Technical Advisor: NAVAIR | ECM: N132D1

8361 Unmanned Aerial Vehicle(UAV) Systems Organizational Career Maintenance Technician
Performs organizational level maintenance on UAV systems and support equipment.

Source Ratings: AT AE AM AS | Billet Paygrades: E3-E8 | Personnel Paygrades: E3-E8
Course: Course Mandatory

CIN:	CDP:
C-690-0644	3166
C-690-0646	3160

Sequence Code: 6 | RBTR: | NR Ind: A
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N859, N869 | Technical Advisor: NAVAIR | ECM: N132D1

NOTE: Flight physical must be completed prior to arrival in accordance with aeromedical reference and waiver guide and also NAVMED P117.

8362 Unmanned Aerial Vehicle (UAV) External Pilot
UAV External Pilot directly controls the flight of the UAV during launch and recovery operations by visual reference to the UAV.

Source Ratings: AS AM AE AT	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6
Course: Course Mandatory	CIN: C-104-0641 C-104-0642	CDP: 3164 3162
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC: 8363	Open to Women: No
Primary Advisor: CNO N859, N869	Technical Advisor: NAVAIR	ECM: N132D1

NOTE:
1. Flight physical must be completed prior to arrival in accordance with aeromedical reference and waiver guide and also NAVMED P117.
2. Physical Qualification – Class Two Physical.

8363 Unmanned Aerial Vehicle (UAV) Internal Pilot
Operates and navigates UAV during the enroute, mission, and return phase of flight.

Source Rating: AS AM AE AT AZ	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6
Course: Course Pending	CIN: C-104-0645	CDP: 372W
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC: 8362	Open to Women: No
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

8364 Unmanned Aerial Vehicle (UAV) Payload Operator
Operates the EO/IR UAV sensor during all phases of flight.

Source Rating: AS AM AE AT AZ IS	Billet Paygrades: E5-E6	Personnel Paygrades: E5-E6
Course: Course Pending	CIN: C-104-0643	CDP: 3165
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC: 8363	Open to Women: No
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

8370 SH-2G LAMPS Systems Organization Career Maintenance Technician
Performs organizational level maintenance on SH-2G Aircraft and related systems.

Source Ratings: AD AE AF AM AV AT		
	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: R-602-0910 R-602-0920 R-602-0950 R-602-0980	CDP: 388H, 388J 388F, 388G 388D, 388E 388B, 388C
Sequence Code: 6	RBTR: R-602-0910-01, R-602-0950-01 R-602-0980-01	NR Ind: R
Component NEC:	Related NEC: 8375	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

NOTE: NEC may be awarded through cadre training pending implementation of formal training.

8375 H-2 (LAMPS) Systems Organizational Career Maintenance Technician

Source Ratings: AT AD AE AM AF AM AV		
	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 6	RBTR: R-601-0911-01, R-602-0951-01 R-602-0981-01	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8376 SH-60 (LAMPS MK III) Systems Organizational Career Maintenance Technician

Source Rating: AT	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: D-102-0825	CDP: 372H

	E-102-0825	2454
Sequence Code: 6	RBTR:	NR Ind: A
Component NEC: 8876	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N13 2D2

8377 SH-3 Systems Organizational Career Maintenance Technician

Source Rating: AT	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Source Ratings: AD AE AM	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: AD D-601-0510	CDP: 555Y
	AE D-602-0550	556A
	AM D-602-0580	555Z
	AT D-102-0521	556E
Sequence Code: 4	RBTR: R-050-0600-03, R-050-0013-02	NR Ind: A
	R-102-0521-01, R-601-0510-01	
	R-602-0550-01, R-602-0580-01	
	R-646-0540-02	
Component NEC: 8877	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

NOTE:
1. Personnel in paygrades E1 through E4 who were previously trained and awarded NEC 8377 are authorized to retain this NEC. No new awards of this NEC will be made to E-3 and below personnel.
2. Component NEC not required of AT personnel.

8378 H-60 Systems Organizational Career Maintenance Technician
Performs organizational maintenance on all T/M/S/ of the H-60 aircraft.

Source Ratings: AME AO	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Source Ratings: AD AE AT AM	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: AT D-102-0822	CDP: 555S
	E-102-0822	567U
	AD D-601-0813	555U, 246Z
	E-601-0813	568A
	AE D-602-0854	555T, 2471
	E-602-0854	568C
	AM D-602-0882	555V, 2481
	E-602-0882	568E
	AO D-646-0840	555W
	E-646-0840	568X
Sequence Code: 4	RBTR: R-102-0822-01, R-601-0813-01	NR Ind: A
	R-602-0854-01, R-602-0882-01	
	R-646-0840-01	
Component NEC: 8878	Related NEC: 8376	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

NOTES:
1. AD, AE, AO, AMH, AME, and AMS personnel who hold NEC 8376 are eligible for NEC 8378 after six months on-the-job training (OJT) on the SH-60F/HH-60H helicopter.
2. AT personnel who hold NEC 8376 must complete formal training to be awarded NEC 8378.
3. Component NEC not required of AO and AME.
4. Personnel in paygrades E1 through E4 who were previously trained and awarded NEC 8378 are authorized to retain this NEC. No new awards of this NEC will be made to E-3 and below personnel.

8379 H-46 Systems Organizational Career Maintenance Technician

Source Rating: AD AE AME AM AT	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: AD E-601-2412	CDP: 0629
	M-601-2414	217P
	AT E-102-2422	0595
	AE E-602-2452	0631
	AM E-602-2483	0508
	M-602-2486	219E

Sequence Code: 4	RBTR: R-601-2410-01	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

NOTE: Personnel in paygrades E1 through E4 who were previously trained and awarded NEC 8379 are authorized to retain this NEC.

8380 UH-1N Systems Organizational Career Maintenance Technician

Source Ratings; AD,AE,AT,AM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: M-102-2021	CDP: 218W
	M-601-2014	219K
	M-601-2027	613W
	M-602-2051	218Y
	M-602-2081	219G
Sequence Code: 6	RBTR: R-601-2010-01, R-602-2081-01	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8388 SH-60R ELECTRONICS SYSTEMS ORGANIZATIONAL CAREER MAINTENANCE TECHNICIAN
Performs avionics organizational level maintenance on the SH-60R aircraft.

Source Rating: AT, AE	Billet Paygrades: E5- E7	Personnel Paygrades: E5-E7
Course: Pending	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC: 8807	Related NEC: 8376	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

8389 CH-60S ELECTRONICS SYSTEM ORGANIZATIONAL CAREER MAINTENANCE TECHNICIAN
Performs avionics organizational level maintenance on the CH-60S aircraft.

Source Rating: AT, AE	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Pending	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind:
Component NEC: 8808	Related NEC: 8376	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

Note: NEC may be awarded through cadre training pending implementation of formal training.

8391 Airborne Mine Countermeasure Systems Career Maintenance (AMCM) Technician (Level I and O)

Source Ratings: AD AM AE AT	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: AD D-601-2717	CDP: 552L
	AE D-602-2760	552C
	AT D-102-2727	552D
	AM D-601-2721	552E
Sequence Code: 4	RBTR: R-102-2727-01, R-601-2717-01 R-601-2721-01, R-601-2760-01	NR Ind: A
Component NEC: 8891	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

HOSPITAL CORPSMAN

HM-8401 Search and Rescue Medical Technician
Performs aircrew and emergency medical care functions assigned in support of search and rescue missions. Qualified in Emergency Medical Technician - Ambulance A (EMT-A), Cardiopulmonary Resuscitation (CPR), Triage, IV therapy, use of emergency medical equipment, patient handling, and aero-medical evacuation techniques. Must be NATOPS qualified for assigned crew position.

Source Rating: HM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR: R-050-1500-01	NR Ind: R
Component NEC: 8201	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: NAVAIR, BUMED 00HC	ECM: N13

NOTE: The medical standards established by NAVMEDCOMINST 1510.5 Series and the flight standards established by CNO must be met prior to award of this NEC.

HM-8402 Submarine Force Independent Duty Corpsman

Serves as the Medical Department Representative (MDR) aboard submarines and at various isolated duty stations ashore independent of a medical officer. Performs patient care and associated shipboard administrative and logistical duties. Performs diagnostic procedures, advanced first aid, basic life support, nursing procedures, minor surgery, basic clinical laboratory procedures and other routine and emergency health care. Conducts and directs preventive medicine and industrial hygiene surveillance programs. Familiar in the prevention and treatment of illness associated with the enclosed submarine environment, diving, and high-pressure conditions. Provides for health education to junior medical and nonmedical personnel. Performs all patient care and medical management functions set forth in Chapter 9, Manual of the Medical Department. Serves as the Radiation Health Officer (RHO) aboard submarines, and are trained in the medical aspects relative to personnel exposed to ionizing radiation. Directs and administers the Personnel Dosimetry and Radiation Health Programs. Maintains and compiles radiation exposure records and reports. Senior personnel assigned to shore and operational staffs provide medical assistance, training, and inspection services to operational forces and component units. Additionally, when assigned ashore they serve primarily as nonphysician health care provider at fixed medical treatment facilities (MTFs).

Source Rating: HM	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: B-300-0001 B-300-0005	CDP: 845E 475W
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTES:

1. Although NEC 8407 is not listed as a component NEC, personnel disqualified for submarines may at the discretion of the Enlisted Community Manager (ECM) be recoded to HM-8407.
2. Must continuously maintain Independent Duty Corpsman certifications to retain NEC. Recommendations for removal of NEC will be made by the Commanding Officer based on evaluation of the member's operational proficiency and professional performance in accordance with the provisions of OPNAVINST 6400.1 (series). Send 1221/2 to EPMAC (Code 49) via the ECM (10).

HM-8403 Fleet Marine Force Reconnaissance Independent Duty Corpsman

Provides medical and operational services for Fleet Marine Force Reconnaissance personnel engaged in direct action and reconnaissance operations independently of a medical officer. Performs patient care as well as associated operational administrative and logistical duties. Performs clinical diagnostics, advanced paramedical skills, advanced cardiac life support, nursing, basic anesthesia, basic dental exams and procedures and other routine and emergency medical health care procedures as required. Instructs and advises operational personnel in measures for prevention of illness and treatment of injuries associated with swimming, open and closed circuit SCUBA diving, military free fall and amphibious operations. Performs duties using open and closed circuit SCUBA in direct support of Fleet Marine Force Reconnaissance Units. Conducts underwater searches to include detailed ship-bottom searches. Inspects and maintains SCUBA and related equipment. Knows the laws of diving and gas physics and understands the theory and practice of decompression and the use of decompression tables. Performs duties as a hyperbaric chamber operator. Recognizes all types of illnesses associated with diving to include oxygen and carbon dioxide toxicity, nitrogen narcosis, type I and II decompression sickness and air gas embolism. Enters the chamber as the inside tender to care for patients suffering from decompression sickness as well as other conditions requiring hyperbaric treatment. Provides health care as a non-physician health care provider when assigned to fixed medical treatment facilities.

Source Rating: HM	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: B-300-2403	CDP: 0501
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 8427	Related NEC:	Open to Women: No
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTES:

1. Personnel who have completed the Joint Special Operations Medical Sergeants Course (SOMED 011-18-D30) after 1 January 1991 may be awarded NEC HM-8403.
2. Personnel who have the component NEC HM-8427 and have completed Surface Force Independent Duty Corpsman School (B-300-0019) may be awarded the NEC HM-8403 with appropriate supporting recommendation from the FMF Reconnaissance community and Headquarters Marine Corps (Code HS).
3. Must continuously maintain Independent Duty Corpsman certifications to retain NEC. Recommendations for removal of NEC will be made by the Commanding Officer based on evaluation of the member's operational proficiency and professional performance in accordance with the provisions of OPNAVINST 6400.1 (series). Send 1221/2 to EPMAC (Code 49) via the ECM (10).
3. Must continuously maintain Dive/Jump qualifications to retain NEC.

HM-8404 Field Medical Service Technician

Provides medical services for personnel in field units. Provides technical and administrative assistance to support the mission and functions of Navy and Marine Corps field units. Maintains organizational level AMAL's. Assists in the procurement and distribution of supplies and equipment for

field use and combat areas. Maintains field treatment facilities. Renders first aid and emergency medical treatment to unit personnel/combatants. Coordinates and performs medical evacuation procedures. Ensures observance of field sanitary measures and preventive measures in specialized warfare. Conducts first aid and health education training programs.

Source Rating: HM	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: B-300-0013	CDP: 3387, 3388, 395D, 395E
Sequence Code: 7	RBTR: R-300-0013-01, R-300-0017-01 R-322-0012-02, R-300-0013-02 R-300-0013-03	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTE: Assign NEC to inactive duty Naval Reservists upon successful completion of Field Medical Service School (FMSS) under the NEC Attainment Program (NECAP). Training program consists of five Inactive Duty Training Travel (IDTT) periods of didactic training and 17 days annual training (AT)(didactic/practical) at training platform(s) as determined by Commander, Naval Surface reserve Force (N&), FMSS Camp Lejeune and FMSS Camp Pendleton. Training should be completed within a 12 month period.

HM-8406 Aerospace Medical Technician

Assists flight surgeon or medical officer in special examination and treatments for naval aviators and flight personnel. Assists in conducting aviation medical tests. Assists flight surgeon in investigating and reporting results of aircraft mishaps. Maintains aviation medical records and files.

Source Rating: HM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: B-300-0017	CDP: 3301
Sequence Code: 4	RBTR: R-300-0017-01, R-300-0017-03	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

HM-8407 Radiation Health Technician

Performs duties of radiation monitor, radiation surveys, gas and liquid analyses with knowledge of the medical aspects relating to personnel exposed to ionizing radiation. Directs and administers the personnel dosimetry program. Maintains radiation exposure records as part of the health records.

Source Rating: HM	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: B-322-0010	CDP: 3374
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

HM-8408 Cardiovascular Technician

Assists in all phases of cardiac catheterization, angiocardiography, arterial puncture studies, bronchography. Sets up and maintains sterile field packs and cares for all instruments, and operates fluoroscope. Possesses knowledge of skin testing methods using purified proteins derivative of tuberculin, histoplasmosis and coccidioidin.

Source Rating: HM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: B-300-0018	CDP: 3302 , 3380
Sequence Code: 4	RBTR: R-300-0018-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTE: NEC may be assigned to inactive duty Naval Reservist who: 1) have successfully completed a BUMED-recognized training program and or is certified by the National Registry for Cardiovascular Technologists, and 2) is a cardiovascular technologist/technician with documented current clinical competency.

HM-8409 Aerospace Physiology Technician

Serves as a technical assistant to the Aerospace Physiologist. Provides instruction to aviation and non-aviation personnel in aeromedical aspects of flight, in-flight visual problems, spatial disorientation, emergency egress systems, personal life support equipment, and water survival techniques. Performs the duties of an inside instructor/observer on hypobaric chamber flights. Operates and maintains training devices peculiar to the aviation physiology and aviation water survival training programs. Performs the administrative duties required of the Aviation Physiology Training Units. Assists in the fleet introduction and evaluation of aviator's personal and survival equipment.

Source Rating: HM	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: B-322-0011	CDP: 814X
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes

Primary Advisor: N931 Technical Advisor: BUMED 00HC ECM: N132D13

HM-8416 Nuclear Medicine Technician

Operates and maintains radioactive isotope therapy apparatus. Assists medical officer in preparing and conducting radioactive isotope therapy and in organizing and administering radioactive isotope therapy clinic.

Source Rating: HM	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: B-311-0016	CDP: 468F, 468E, 468G
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

HM-8425 Surface Force Independent Duty Corpsman

Serves as the Medical Department Representative (MDR) aboard surface ships, with the units of the Fleet Marine Force, and at various isolated duty stations ashore independent of a medical officer. Performs patient care and associated shipboard administrative and logistical duties. Performs diagnostic procedures, advanced first aid, basic life support, nursing procedures, minor surgery, basic clinical laboratory procedures, and other routine and emergency health care. Conducts and direct preventive medicine and industrial health surveillance programs. Provides for health education to junior medical and all nonmedical personnel. Perform all patient care and medical management functions set forth in Chapter 9, Manual of the Medical Department. Administers the Radiation Health Program as necessary. Senior personnel assigned to shore and operational staffs provide medical assistance, training, and inspection services to operational forces and component units. Additionally, when assigned ashore, they serve primarily as nonphysician health care providers at fixed medical treatment facilities (MTFs).

Source Rating: HM	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: B-300-0019	CDP: 4356
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTE: Must continuously maintain Independent Duty Corpsman certifications to retain NEC. Recommendations for removal of NEC will be made by the Commanding Officer based on evaluation of the member's operational proficiency and professional performance in accordance with the provisions of OPNAVINST 6400.1 (series). Send 1221/2 to EPMAC (Code 49) via the ECM (10).

HM-8427 Fleet Marine Force Reconnaissance Corpsman

Provides medical and operational services for Fleet Marine Force Reconnaissance personnel engaged in direct action and reconnaissance operations. Performs paramedical skills, basic life support, minor surgical procedures and other routine and emergency medical health care procedures as required. Instructs and advises operational personnel in measures for prevention of illness and treatment of injuries associated with swimming, open and closed circuit SCUBA diving, military freefall and amphibious operations. Performs duties using open and closed circuit SCUBA in direct support of Fleet Marine Force Reconnaissance Units. Conducts underwater searches to include detailed ship-bottom searches. Inspects and maintains SCUBA and related equipment. Knows the laws of diving and gas physics and understands the theory and practice of decompression and the use of decompression tables. Performs duties as a hyperbaric chamber operator. Recognizes all types of illnesses associated with diving to include oxygen and carbon dioxide toxicity, nitrogen narcosis, type I and II decompression sickness and air gas embolism. Enters the chamber as the inside tender to care for patients suffering from decompression sickness as well as other conditions requiring hyperbaric treatment.

Source Rating: HM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: B-300-0011	CDP: 231Z
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 8404	Related NEC: 8492	Open to Women: No
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTES:

1. NEC is awarded upon completion of all of the following courses: 1) USMC Basic Reconnaissance, 2) USMC Combatant Divers, 3) Army Basic Airborne School, 4) USMC Special Amphibious Reconnaissance Corpsman Diving Medicine, 5) Joint Special Operations Forces Trauma Medic.
2. Recommendation for removal of NEC HM-8427 will be made by the member's Commanding Officer based on an evaluation of the individual's proficiency and professional performance in accordance with the provisions of OPNAVINST 6400.1 (series). Send 1221/2 to EPMAC (Code 49) via the ECM (10).
3. Must continuously maintain Dive/Jump qualifications to retain NEC.

HM-8432 Preventive Medicine Technician

Assists Medical Department Officers in the performance of Preventive Medicine and Occupational Health Programs for Navy and Marine Corps forces ashore and afloat. Performs inspections and surveys of food and food service facilities, berthing spaces, barber and beauty shops, child care facilities, recreational facilities, swimming pools, potable water systems, solid waste and waste water disposal sites and systems, vehicles, and transport containers. Conducts bacteriological analysis of food, water, and ice samples. Conducts epidemiological investigations and reporting (Disease Alert Report), interviews and counsels sexually transmitted disease and other communicable disease patients and contacts, administers mass

immunization programs and conducts nosocomial infection control programs. Applies statistical methods to human mortality, morbidity, and demographic studies. Conducts disease vector (insects, rodents, parasites, and other pests) control programs (surveys, identification, and pesticide application and other control measures). Is proficient in all aspects of field sanitation (water and food service sanitation, waste disposal, and vector control). Is proficient in medical and sanitary aspects of CBR defense. Under the supervision of occupational health professionals, assists in ensuring that work place environments are healthful, consistent with existing NAVOSH standards, through surveillance of the work place and medical surveillance of personnel exposed to work place hazards. Instructs medical and nonmedical personnel in preventive medicine, industrial hygiene, environmental health and occupational health matters.

Source Rating: HM	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: B-322-0012	CDP: 434P
Sequence Code: 4	RBTR: R-322-0012-01, R-322-0012-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

HM-8434 Hemodialysis/Apheresis Technician

Performs independently the standard principles and procedures of hemodialysis, peritoneal dialysis, and apheresis, including assisting with the invasive renal, vascular and peritoneal procedures and maintenance of access devices.

Source Rating: HM	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: B-311-0022	CDP: 230D
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

HM-8445 Ocular Technician

Performs preoperative preparation of the ocular patient. Assists, scrubs, or circulates in the operating room as directed by the ophthalmic surgeon. Identifies, selects and maintains delicate surgical instruments. Sterilizes and sets up instruments for ophthalmic surgical procedures. Assists ophthalmologists in the treatment and care of patients with ocular diseases/disorders and performs a variety of diagnostic tests using specialized equipment.

Source Rating: HM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: B-300-0021	CDP: 805Z
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC: 8483	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTE: NEC may be assigned to inactive duty Naval reservists who: 1) have successfully completed a BUMED-recognized training program and/or is certified by the Joint Commission on Allied Health Personnel in Ophthalmology, and 2) is an ophthalmic medical assistant with documented current clinical competency.

HM-8446 Otolaryngology Technician

Assists medical officers in the treatment and care of patients with otolaryngolical disorders. Performs minor clinical surgical procedures and assists in major surgical procedures. Administers and records the results of audiometry tests. Prepares, procures, maintains, and uses diagnoses and treatment equipment. Performs managerial and clerical duties in clinics.

Source Rating: HM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: B-300-0024	CDP: 351F
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC: 8483	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

HM-8451 Basic X-Ray Technician

Operates limited medical X-ray equipment, having basic knowledge in clinical applications of radiologic techniques. Performs basic diagnostic radiographs. Processes X-ray films. Provides administrative assistance for procedures which are pertinent to the radiology service. Assists in maintaining the Terminal Digital Filing System and performs duties under the Photodosimetric Program.

Source Rating: HM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: B-313-0025	CDP: 434U
Sequence Code: 4	RBTR: R-313-0025-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTE: Personnel holding HM-8451 are assigned to large combatants and auxiliary vessels, fleet Marine Force units and at a variety of shore locations that have limited X-ray capabilities and equipment.

HM-8452 Advanced X-Ray Technician

Operates medical X-ray equipment in performance of all diagnostic radiographic examinations. Operates ultrasound equipment, applying the concept of acoustical physics, basic equipment knowledge and clinical procedures. Assists the radiologist in performing fluoroscopic examinations and computerized axial tomographic examinations (CAT scans). Performs special radiographic procedures, Xeroradiographic examinations and vascular procedures. Processes X-ray and Xeroradiographic films. Has knowledge of all administrative procedures relative to the Radiology Service. Performs photodosimetric duties.

Source Rating: HM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: B-313-0026	CDP: 3322, 3326
Sequence Code: 3	RBTR: R-313-0026-01	NR Ind: R
Component NEC: 8451	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTE: NEC may be assigned to inactive duty Naval Reservist who: 1) have successfully completed a BUMED-recognized training program and/or is certified by the American Registry of Radiologic Technologists, and 2) is radiographer with documented current clinical competency.

HM-8454 Electroneurodiagnostic Technician

Assists medical officer in performing electroencephalography tests. Prepares patients for examinations. Assists in operating electroencephalography equipment to examine patients for organic brain diseases. Records test results. Maintains electroencephalography equipment.

Source Rating: HM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: B-302-0043	CDP: 3334, 539Y
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTE: NEC may be assigned to inactive duty Naval Reservist who: 1) have successfully completed a BUMED-recognized training program and or is certified by the American Board of Registration of EEG Technologist, inc. Or the American Board of Certified Registered Technicians-Technologists, and 2) is an EEG technologist with documented current clinical competency.

HM-8463 Optician

Performs all phases of fabrication of single vision and multifocal spectacles from prescriptions. Marks, cuts, edges, and inserts single vision and multifocal lenses into appropriate frames. Resurfaces, grinds, and polishes special single vision and multifocal lenses from ophthalmic lens blanks. Measures, orders, verifies, and dispenses spectacles. Provides spectacle repair and replacement service. Maintains and repairs optical laboratory equipment. Assists optometrists and medical officers in the treatment of patients with ocular disorders. Maintains and operates equipment used for diagnostic screening of ocular conditions. Senior opticians perform administrative and managerial duties in optometry and ophthalmology clinics.

Source Rating: HM	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: B-311-0023	CDP: 3382
Sequence Code: 4	RBTR: R-311-0023-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTE: NEC may be assigned to inactive duty Naval Reservists who: 1) have successfully completed a BUMED-recognized training program, 2) is certified by the American Board of Opticianary, National Contact Lens Examiner, or Opticians Association of America, and 3) is an optician with documented current clinical competency.

HM-8466 Physical Therapy Technician

Assists a physical therapist and/or medical officer in administering physical therapy. Assists with the development, teaching and supervision of exercise programs and activities of daily living to enhance patient's strength, endurance, coordination, and mobility. Assists with assessment of range of motion, strength and ambulation skills. Teaches the use of ambulation aids. Applies physical modalities of whirlpool, paraffin bath, ultrasound, diathermy, infrared, hot and cold packs, and electrical stimulation.

Source Rating: HM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: B-303-0051	CDP: 4279, 4280, 4283, 322A 807Q
Sequence Code: 4	RBTR: R-303-0051-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTE: NEC may be assigned to inactive duty Naval Reservists who: 1) have successfully completed a BUMED-recognized training program and/or is certified by the American Physical Therapy Association, and 2) is a physical therapy assistant with documented current clinical competency.

HM-8467 Occupational Therapy Assistant

Assists occupational therapist and/or medical officer in administering occupational therapy. Assists with carrying out established treatment plans for acute and chronic rehabilitation services. Assists with the fabrication and fitting of upper and lower extremity, high and low temperature orthotics; splinting and rehabilitation for tendon lacerations, fractures, burns, and various neuromusculoskelatal disorders. Conducts range of motion and strengthening programs using simulators and work stations. Assists in the management of hypertrophic scarring, edema, hypersensitivity and wound care. Assists in the development and application of psychosocial rehabilitation for psychiatric patients. In wartime, assists in the management of combat stress-related disorders.

Source Rating: HM	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: B-303-0053	CDP: 230L
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 8466	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

HM-8472 Biomedical Photography Technician

Performs medical photography duties. Operates and maintains various types of photographic, photomicrographic, photofluorographic, lantern, movie projection, and darkroom apparatus and equipment. Takes, processes, finishes, and mounts medical photographs. Applies photocopying lantern-slide technique and color photograph procedures.

Source Rating: HM	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: B-300-0300	CDP: 3339
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

HM-8478 Advanced Biomedical Equipment Technician

Maintains, repairs and installs mechanical, electromechanical, medical and surgical diagnostic and treatment apparatus, patient monitoring and recording systems. Supervises and conducts preventive maintenance programs, manages repair parts, advises local medical equipment and survey boards, coordinates medical equipment safety programs with local safety officers and renders technical advice and assistance as required. when serving in higher pay-grades, acts as medical maintenance supervisor or inspector.

Source Rating: HM	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: B-326-0011	CDP: 3572
Sequence Code: 3	RBTR: R-198-0011-01	NR Ind: R
Component NEC: 8479	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTE: NEC may be awarded to RAMP participants in Paygrade E-4 upon successful completion of training in civilian institutions Submit EPMAC 1221/2 to NAVRESPERSCEN (Code 42).

HM-8479 Basic Biomedical Equipment Systems Technician

Assembles, maintains, troubleshoots, aligns, and calibrates medical equipment. Calculates circuit parameters, solder, plumbing, welding, and documentation. The major emphasis is on deployable medical equipment, i.e., X-Ray, dental X-Ray, laboratory, ophthalmic, dental, pneumatic, hydraulic, general, medical and surgical diagnostic and treatment equipment at the module or circuit board level.

Source Rating: HM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: B-326-0010	CDP: 3571
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTES:

1. Graduates of a biomedical equipment training program approved by the Biomedical Equipment Technician Association for the Advancement of Medical Instrumentation may be awarded this NEC by EPMAC (Code 49) upon recommendation of BUMED.
2. Members will retain this NEC for a maximum of 8 years. If the member has not qualified for Advanced Biomedical Equipment Technician (HM-8478) by the end of the 8th year after graduation, his/her next PCS assignment will be to a general HM-0000 billet and the 8479 NEC removed by the CHNAVPERS.

HM-8482 Pharmacy Technician

Prepares and dispenses prescribed medicines and pharmaceutical preparations. Compounds preparations according to prescriptions issued by medical officers. Procures, stores and issues pharmaceutical materials and supplies. Maintains files and records and submits required pharmacy reports.

Source Rating: HM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: B-312-0025	CDP: 3340
Sequence Code: 4	RBTR: R-312-0025-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

HM-8483 Surgical Technologist

Assists medical officer in carrying out surgical techniques. Provides nursing care, safety and support to patients before, during and after surgery. Selects, sterilizes and prepares instruments and materials and the aseptic environment necessary for surgery. Assists anesthetist during operating procedures in giving artificial respiration and in the use of resuscitators. Maintains surgical equipment and records. Assists with instruction, supervision, and evaluation of students and other corpsmen assigned duties relating to surgery.

Source Rating: HM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course:	CIN: B-301-0033	CDP: 3350, 3343
Sequence Code: 4	RBTR: R-301-0033-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTE: NEC may be assigned to inactive duty Naval Reservists who: 1) have successfully completed a BUMED-recognized training program and/or is certified by the Association of Surgical Technologists, and 2) is a surgical technologist with documented current clinical competency.

HM-8485 Psychiatry Technician

Assists in care and treatment of neuropsychiatric patients. Aids medical officer in administration of special neuropsychiatric therapy procedures. Cares for patients in accordance with nursing methods. Observes and reports symptoms and psychotic manifestation of mental patients. Maintains neuropsychiatric ward and clinic equipment.

Source Rating: HM	Billet Paygrades: E3-E5	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: B-302-0045	CDP: 4361, 821W
Sequence Code: 4	RBTR: R-302-0045-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

HM-8486 Urology Technician

Assists medical officer in examination and treatment of urological patients. Operates and maintains urological equipment and appliances. Performs urological X-ray procedures. Prepares supplies, instruments, dressings, and utensils for urological operations and treatments.

Source Rating: HM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: B-300-0025	CDP: 3359
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC: 8483	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

HM-8489 Orthopedic Cast Room Technician

Assists medical officer in application and removal of casts and traction in all forms and in maintenance of traction. Assists in minor operative procedures such as arthrocentesis, suture removal, dressing changes, and insertion and removal of skeletal traction devices. Maintains records on patients treated in cast room.

Source Rating: HM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course:	CIN: B-300-0141	CDP: 3573
Sequence Code: 4	RBTR: R-300-0041-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

HM-8491 Special Operations Independent Duty Corpsman

Serves at various isolated duty stations and special warfare commands independent of a medical officer. Performs patient care and associated operational administrative and logistical duties, basic diagnostic procedures, advanced first aid, basic life support, nursing procedures, minor surgery, basic clinical laboratory and other routine and emergency health care. Conducts and directs preventive medicine and industrial hygiene surveillance programs. Advises special operations personnel on measures for the prevention and treatment of illness and injury associated with swimming, open

and closed circuit scuba diving, airborne and amphibious operations in the prevention and treatment of illness associated with diving and high-pressure conditions. Operates pressure chambers and submarine rescue apparatus. Enters pressure chambers to care for patients suffering from decompression sickness or other conditions requiring such treatment. Performs diving and other duties related to underwater rescue and provides medical assistance in support of special combat operations. Provides for health education to junior medical and all nonmedical functions set forth in Chapter 9, Manual of the Medical Department. Senior personnel assigned to shore and operational staffs provide medical assistance, training and inspection services to operational forces and operational units. Additionally, when assigned to fixed Medical Treatment Facilities (MTFs), they serve primarily as Nonphysician Health Care Providers.

Source Rating: HM	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: B-300-0015	CDP: 0496
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 8492	Related NEC:	Open to Women: No
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTES:
1. Personnel who completed the US Army Special Operations Medical Sergeants Course (SOMED 011-18-D30) after 1 January 1986 may be awarded NEC HM-8491.
2. Personnel who completed one of the following courses and were recommended under the "one time grandfathering provision" of the special board held on 21 November 1989 at COMNAVSPECWARCOM, Naval Amphibious Base Coronado, California may be awarded NEC HM-8491.
   a. Special Operations Medical Sergeants Course Medical/Trauma Lab at Fort Bragg, NC (SOMED Second Phase 011-18-D30) from January 1975 through December 1986.
   b. Advanced Hospital Corps School (IDC B-300-0019) from January 1975 through October 1989.
3. Submit recommendations for NEC award in accordance with Chapter II of this Manual.
4. Personnel must hold NEC 5320 or 5326 to be awarded this NEC.
5. Must continuously maintain Independent Duty Corpsman certifications to retain NEC. Recommendations for removal of NEC will be made by the Commanding Officer based on evaluation of the member's operational proficiency and professional performance in accordance with the provisions of OPNAVINST 6400.1 (series). Send 1221/2 to EPMAC (Code 49) via the ECM (N13).

HM-8492 Special Operations Technician

Provides medical services for personnel engaged in direct support of Special Warfare (SEAL) Teams. Performs first aid and minor surgery and renders routine and emergency medical care. Instructs and advises regarding the prevention of illness or injuries and treatments associated with swimming, SCUBA diving and airborne and amphibious operations. Operates the pressure chamber to run pressure and oxygen tolerance tests and treats diving medical disorders. Enters pressure chamber to care for patients suffering from decompression sickness. Performs underwater diving duties as required by military training and operations.

Source Rating: HM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: K-431-0021 B-300-0042	CDP: 3596 434W
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTES:
1. HM-8492 personnel serve with Special Warfare (SEAL) Teams and receives familiarization in the recognition, handling and detonation of demolitions.
2. Mandatory training K-431-0021, Army Basic Airborne Training or Navy equivalent, Joint Special Operations Forces (SOF) Medic Course. All members must be SEAL qualified.
3. Personnel must hold NEC 5320 or 5326 to be awarded this NEC.

HM-8493 Medical Deep Sea Diving Technician

Assists medical officer in prevention and treatment of illnesses associated with deep sea diving and high-pressure conditions. Operates pressure chamber and submarine-rescue apparatus. Enters pressure chamber to care for patients suffering from decompression sickness. Performs diving and other duties related to underwater rescue.

Source Rating: HM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-433-0020	CDP: 3365
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC: 5343	Related NEC: 5303, 5342, 5345	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTE: Must continuously maintain Dive qualifications to retain NEC.

HM-8494 Deep Sea Diving Independent Duty Corpsman

Serves as the Medical Department Representative (MDR) aboard surface ships, with diving activities and units, and at various isolated duty stations independent of a medical officer. Performs patient care and associated shipboard administrative and logistical duties. Performs diagnostic procedures, advanced first aid, basic life support, nursing procedures, minor surgery, basic laboratory procedures and other routine and emergency industrial hygiene surveillance programs. Assists medical officers in the prevention and treatment of illnesses associated with diving and high - pressure conditions. Operates pressure chambers and submarine rescue apparatus. Enters pressure chambers to care for patients suffering from decompression sickness or other conditions requiring such treatment. Performs diving and other duties related to underwater rescue. Provides health education to junior medical and all nonmedical personnel. Performs all patient care and medical management functions set forth in Chapter 9, Manual of the Medical Department. Senior personnel assigned to shore operational staffs provide medical assistance, training, and inspection services to operational forces and component units. Additionally, when assigned to fixed medical treatment facilities (MTFs), they serve primarily as nonphysician health care providers.

Source Rating: HM	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: B-300-0022 A-433-0020	CDP: 3330 .3365
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 8493	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTES:
1. Personnel holding NEC 8493 who have completed Advanced Hospital Corps School (B-300-0019) or Submarine Medicine Technician School (B-300-0001) and who are recommended by the Bureau of Medicine and Surgery (BUMED) may be granted NEC HM-8494. Submit recommendations for NEC award in accordance with Chapter II of this Manual.
2. Must continuously maintain Independent Duty Corpsman certifications to retain NEC. Recommendations for removal of NEC will be made by the Commanding Officer based on evaluation of the member's operational proficiency and professional performance in accordance with the provisions OPNAVINST 6400.1 (series). Send 1221/2 to EPMAC (Code 49) via the ECM (N13).
3. Must continuously maintain Dive qualifications to retain NEC.

HM-8495 Dermatology Technician
Assists medical officer in diagnosing and treating all types of skin diseases and syphilis. Prepares and applies dressings and medicinals. Conducts vaccinotherapy, heliotherapy, electrosurgery, intracutaneous tests, cryotherapy, veno and spinal puncture, and antibiotic therapy.

Source Rating: HM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: B-300-0029	CDP: 8497
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

HM-8496 Mortician
Performs medical/decedent affairs administrative and logistical duties in Navy and Marine Corps activities in accordance with appropriate regulations. Inspects and/or processes remains for transportation to the U.S., overseas locations or local burial. Ensures proper documentation accompanies remains. Conduct liaison with next of kin and foreign government officials for disposition of remains. Assists in recovery and identification of remains. Restores facial features to a normal appearance, disinfects and preserves by arterial and/or hypodermic injection of embalming chemicals. Conducts funeral services as required.

Source Rating: HM	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTES:
Assignment of NEC requires:
1. Satisfactory completion of Mortuary Science course at a school accredited by the American Board of Funeral Service Education, Inc.
2. Current license to practice as a mortician in one of the 50 states or the District of Columbia.

HM-8503 Histopathology Technician
Assists the pathologist in the accessioning, preparation, processing, embedding, straining, and mounting of surgically and necropsy obtained tissue for pathological examination. Maintains histopathology records and instruments. Supervises the work of less skilled technicians.

Source Rating: HM	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: B-311-0039	CDP: 804C
Sequence Code: 3	RBTR:	NR Ind: R

Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

HM-8505 Cytotechnologist
Performs advanced cytopathology methods and techniques. Supervises the work of basic cytotechnicians. Assists the pathologist in applying cytodiagnostic techniques for patient care.

Source Rating: HM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Mandatory	CIN: B-311-0036	CDP: 305B
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC: 8503, 8506	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

HM-8506 Medical Laboratory Technician, Advanced
Performs and supervises the performance of advanced laboratory procedures such as the autoanalyzers, recording spectrophotometers, blood gas analyzers, flame photometers (emission and absorption), osmometers, gas chromatographs, electrophoreses apparatus, sequential multiple analyzers, and other procedures, as required. Performs all phases of blood donor processing and blood banking procedures, clinical bacteriology, mycology, serology, immunohematology, hematology, parasitology, general, and clinical chemistry, toxicology and urinalysis.

Source Rating: HM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: B-311-0018	CDP: 3309, 3784
Sequence Code: 3	RBTR: R-311-0018-01	NR Ind: R
Component NEC:	Related NEC: 8503	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTE: NEC may be assigned to inactive duty Naval Reservists who: 1) have successfully completed a BUMED-recognized associates degree program, 2) is certified by the National Certification Agency for Medical Laboratory
Personnel, and 3) is a medical laboratory technician with documented current clinical competency.

HM-8541 Respiratory Therapy Technician
Assists medical officers in treating patients using controlled breathing apparatus that employ medical gases. Performs medical gas therapy, nebulization therapy, mechanical ventilation, and pulmonary function testing. Maintains and is knowledgeable of all safety precautions related to gas storage and handling. Performs minor repair and preventive maintenance on tracheotomy and endotracheal apparatus, ventilator, rubber goods, and electronic monitoring and resuscitation equipment.

Source Rating: HM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: B-300-1424	CDP: 0417
Sequence Code: 4	RBTR: R-300-1424-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED 00HC	ECM: N132D13

NOTE: NEC may be assigned to inactive duty Naval Reservists who: 1) have successfully completed a BUMED-recognized training program and/or is certified by the National Board for Respiratory Care, and 2) is a respiratory therapist or a respiratory therapy technician with documented current clinical competency.

DENTAL TECHNICIAN

DT-8703 Dental Department Administrative Technician
Provides administrative support within the Navy Dental Department in: administration, finance, logistics, operational requirements, information systems management, personnel management, health care administration, and physical examinations. Provide administrative expertise ashore and afloat in the areas of manpower management, fiscal and supply, patient administration, Reserve affairs, personnel management, fleet and Fleet Marine Force programs/requirements.

Source Rating: DT	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN: B-330-0011	CDP: 3015
Sequence Code: 4	RBTR: R-330-0011-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED	ECM: N132D13

DT-8707 Field Service Dental Technician
Assists dental officer in providing dental treatment in the field. Provides technical and administrative assistance to support the mission and functions of Navy and Marine Corps field units. Maintains organizational level ADAL'S. Prepares, reviews and coordinates logistic requirements. Ensures

the observance and the practice of field sanitary measures. Augments and assists medical personnel in providing emergency medical care to field or combat casualties to include assistance with medical evacuation procedures.

Source Rating: DT	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: B-300-0053	CDP: 3389, 3390, 395F, 395G
Sequence Code: 7	RBTR: R-300-0053-01	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED	ECM: N132D13

NOTE: Assign NEC to inactive duty Naval Reservists upon successful completion of Field Medical Service School (FMSS) under the NEC Attainment Program (NECAP). Training program consists of five Inactive Duty Training Travel (IDTT) periods of didactic training and 17 days annual training (AT) (didactic/practical) at training platform(s) as determined by Commander, Naval Surface Reserve Force (N7), FMSS Camp Lejeune and FMSS Camp Pendleton. Training should be completed within a 12 month period.

DT-8708 Dental Hygienist

The dental hygienist will have the knowledge and clinical competence required to provide current, comprehensive dental hygiene service under the direction and supervision of a dental officer. Dental hygiene includes but is not limited to: clinical infection control procedures; data gathering; exposing and processing radiographs; dental hygiene assessment/dental hygiene treatment planning; oral health education including health promotion, disease prevention, behavior modification and nutritional counseling; cleaning removable appliances and prostheses; polishing restorations; provision of therapeutic dental hygiene services including, but not limited to, periodontal scaling and root planning; application of pit and fissure sealants and anticariogenic agents (fluorides); application of chemotherapeutic agents; pain control and other patient services as identified by the dental officer; and evaluation of dental hygiene services.

Source Rating: DT	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: B-330-0038	CDP: 312M, 312N, 312L
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N931	Technical Advisor: BUMED	ECM: N132D13

NOTE: NEC may be assigned to inactive duty Naval Reservists who: 1) have successfully completed a BUMED-recognized training program, 2) maintains current and unrestricted state/territorial licensure, and 3) is a dental hygienist with documented current clinical competency.

DT-8732 Dental Equipment Repair Technician

Handles the maintenance, repair and installation of dental equipment and diagnostic devices. Monitors dental equipment safety programs. Provides technical advice and assistance for dental clinic/facility design, alteration and equipage. Administers the Dental Equipment Maintenance and Repair Program.

Source Rating: DT	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: B-198-0013	CDP: 3016
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED	ECM: N132D13

DT-8752 Dental Laboratory Technician, Basic

Performs basic and intermediate level prosthetic laboratory procedures. Fabricates and finishes dental prostheses: complete dentures, removable partial dentures and other prescribed protective and restorative intraoral appliances. Repairs, reconstructs and relines dental prostheses. Conducts routine and prescribed equipment maintenance.

Source Rating: DT	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: B-331-0016	CDP: 3258
Sequence Code: 4	RBTR: R-331-0016-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED	ECM: N132D13

DT-8753 Dental Laboratory Technician, Advanced

Performs and supervises procedures and techniques required in the construction of complex and precision dental prostheses: fixed partial dentures, porcelain fused to metal systems, dental ceramic arts, precision attachment prostheses and the arrangements of artificial teeth for aesthetic, phonetic and functional requirements. Coordinates technical and clinical application and dental technology training.

Source Rating: DT	Billet Paygrades: E5-E8	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: B-331-0017	CDP: 325A
Sequence Code: 3	RBTR:	NR Ind: R

Component NEC: 8752	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED	ECM: N132D13

NOTE: NEC may be assigned to inactive duty Naval Reservists who: 1) have successfully completed a BUMED-recognized training program and/or is certified by the National Board for Certifying Dental Laboratory Technologists or Dental Assisting National Board, and 2) is a dental laboratory technician with documented current clinical competency.

DT-8765 Dental Laboratory Technician, Maxillofacial
Assists the maxillofacial prosthodontist in the clinical and technical procedures required to fabricate prostheses and appliances for oral, craniofacial and other anatomical defects. Constructs and finishes ocular, extraoral, intraoral and somato prostheses of silicone and other related materials. Designs and constructs stone, metal and/or silicone molds for prosthetic rehabilitation procedures. Performs other intermediate and advanced level prosthetic laboratory techniques and procedures as prescribed. Liaisons with and assists other medical/dental specialists in related disciplines.

Source Rating: DT	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: B-331-0018	CDP: 3314
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 8753	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED	ECM: N132D13

DT-8783 Dental Surgical Technologist
Assists dental officers in carrying out surgical techniques. Provides perioperative nursing care, safety and support to patients before, during and after surgery. Selects, sterilizes and prepares instruments and materials in an aseptic environment necessary for surgery. Maintains surgical equipment and records. Assists with instruction, supervision, and evaluation of students and other dental technicians or hospital corpsman assigned duties relating to maxillofacial surgery. Maintains dental central sterilization facilities in MTFs, DTFs and operational units.

Source Rating: DT	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: B-330-0024	CDP: 395U, 395V
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: N931	Technical Advisor: BUMED	ECM: N132D13

AVIATION INITIAL

NOTE: Selected Reserve (SELRES) personnel may earn these NECs via completion of applicable Reserve Job Qualification Requirements (RJQR) syllabus.

8800 Aviation Maintenace/Production Chief
Supervises organizational and intermediate level maintenance level maintenance on the Naval aircraft, aircraft components, aircraft engines, ground support equipment and Aviators Life Support Systems.

Source Rating: AT,AE,AO,AM,AD,PR,AZ AS,AME	Billet Paygrades: E7-E8	Personnel Paygrades: E7-E8
Course: Pending: 2	CIN:	CDP:
Component NEC:	RBTR:	NRInd: A
Primary Advisor: CNO N789	Related NEC:	Open to Women: Yes
	Technical Advisor: NAVAIR	ECM: N132D11

8805 C-2/E-2 Systems Organizational Initial Maintenance Technician.
Performs organizational apprentice level maintenance on the C-2 and E-2C aircraft.

Source Rating: AT AM AD	Billet Paygrades: E3-E4	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN: D-102-0327	CDP: 578S
	D-601-0315	578T
	D-602-0384	578V
	E-602-0384	963P
Sequence Code: 6	RBTR: R-601-0315-01, R-602-0384-01 R-602-0355-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

NOTES:
1. This NEC applies to Group Zero and Group II E-2C aircraft for the AMH and AMS ratings.
2. AD training applies to the T-56-A-425 engine.

8806 E-2C Group II Systems Organizational Initial Maintenance Technician
Performs organizational apprentice level maintenance on the E-2 aircraft.

Source Rating: AD AE AME AM AT	Billet Paygrades: E3-E4	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN: E-102-0328	CDP: 963M
	E-601-0316	963N
	E-602-0353	960J
	D-102-0328	325F
	D-601-0316	325K
	D-602-0353	325C
Sequence Code: 6	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8807 SH-60R ELECTRONICS SYSTEMS ORGANIZATIONAL INITIAL MAINTENANCE TECHNICIAN
Performs avionics organizational level maintenance on the SH-60R aircraft.

Source Rating: AT, AE	Billet Paygrades: E3-E4	Personnel Paygrades: E3-E4
Course: Pending	CIN:	CDP:
Sequence Code: 6	RBTR:	NR Ind: A
Component NEC:	Related NEC: 8876	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

8808 CH-60S ELECTRONICS SYSTEMS ORGANIZATIONAL INITIAL MAINTENANCE TECHNICIAN
Performs avionics organizational level maintenance on the CH-60S aircraft.

Source Rating: AT, AE	Billet Paygrades: E3-E4	Personnel Paygrades: E3-E4
Course: Pending	CIN:	CDP:
Sequence Code: 6	RBTR:	NR Ind: A
Component NEC:	Related NEC: 8876	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

Note: NEC may be awarded through cadre training pending implementation of formal training.

8809 E-6B System Organizational Initial Maintenance Technician
Performs organizational apprentice level maintenance on the E-6B aircraft.

Rating: AT	Billet Paygrade: E3-E4	Personnel Paygrade: E3-E4
Course: Mandatory	CIN: E-102-6145	CDP: 3549, 073J, 0714, 0720
	E-601-1191	
	E-602-1952	
	E-602-1981	
Sequence Code: 6	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8819 P-3 Systems Organizational Initial Maintenance Technician
Performs organizational apprentice level maintenance on the P-3 aircraft.

Source Rating: AD AE AME AM AT		
	Billet Paygrades: E3-E4	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN: D-102-1029	CDP: 579M
	D-601-1011	579N
	D-602-1054	579R
	D-602-1081	579P
	E-102-1029	962J
	E-102-1011	962L
	E-102-1054	962M
	E-102-1081	963R
Sequence Code: 6	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8832 EA-6B Systems Organizational Initial Maintenance Technician
Performs organizational apprentice level maintenance on the EA-6B aircraft.

Source Rating: AT AD AM AE AME	Billet Paygrades: E3-E4	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN: E-102-1820	CDP: 962P
	E-102-1827	962N
	E-601-1812	962R
	E-602-1853	962S
	E-602-1865	962T
	E-602-1883	962U
Sequence Code: 6	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8835 F-14B/D Initial Organizational Maintenance Technician
AT personnel perform organizational apprentice level maintenance on F-14D aircraft. AD personnel perform organizational apprentice level maintenance on the F-14B/D aircraft.

Source Rating: AD AT	Billet Paygrades: E3-E4	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN: D-601-1614	CDP: 579G
	D-102-1625	0274
Sequence Code: 6	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8841 F/A-18E/F Systems Organizational Initial Maintenance Technician
Performs organizational apprentice level maintenance on the F/A-18E/F aircraft.

Source Ratings: AT AE AM AME AD AO	Billet Paygrades: E3-E4	Personnel Paygrades: E3-E4
Course: Course Pending	CIN: E-102-0623	CDP: 2704, 264V, 2696, 268M, 267P, 265Z
	E-601-0617, E-602-0654	
	E-602-0664, E-602-0686	
	E-646-0642	
Sequence Code: 6	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8842 F/A-18 Systems Organizational Initial Maintenance Technician
Performs organizational apprentice level maintenance on the F/A-18 aircraft.

Source Rating: AD AE AME AM AO AT	Billet Paygrades: E3-E4	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN: D-102-0622	CDP: 0363
	E-102-0622	962V
	D-601-0615	0362
	E-601-0615	962W
	D-602-0652	0360
	E-602-0652	962X
	D-602-0662	0302
	E-602-0662	962Y
	D-602-0685	0294
	E-602-0685	962Z
	D-646-0654	0289
	E-646-0654,D-646-0653	963A , 0339
Sequence Code: 6	RBTR: R-602-0662-01, R-602-0662-02	NR Ind: A
	R-602-0685-01, R-602-0685-02	
	R-601-0615-01, R-601-0615-02	
	R-102-0622-01, R-102-0622-02	
	R-602-0652-01, R-602-0652-02	
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8843 E-6 Systems Organizational Initial Maintenance Technician

Performs organizational apprentice level maintenance on all E-6 series aircraft.

Source Rating: AD AE AM	Billet Paygrades: E3-E4	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 6	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8845 F-14 Initial Organizational Maintenance Technician

AT personnel perform organizational apprentice level maintenance on the F-14A and F-14B aircraft. AE, AME, AMH, AMS, and AO personnel perform organizational apprentice level maintenance on the F-14A, F-14B, and F-14D aircraft. AD personnel perform organizational apprentice level maintenance on the F-14A aircraft.

Source Rating: AD AE AME AM AO AT	Billet Paygrades: E3-E4	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN: D-102-1624	CDP: 579E
	D-601-1613	579F
	D-602-1657	579H
	D-602-1667	579J
	D-602-1683	579K
	D-646-1647	579L
Sequence Code: 6	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8847 S-3 Systems Organizational Initial Maintenance Technician

Performs organizational apprentice level maintenance on the S-3 aircraft.

Source Rating: AD AE AME AM AO AT	Billet Paygrades: E3-E4	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN: D-102-1728	CDP: 0346
	D-601-1714	0347
	D-602-1752	0349
	D-602-1762	034K
	D-602-1782	034R
	D-646-1746	0353
	E-102-1728	963V
	E-601-1714	963W
	E-602-1752	963X
	E-602-1762	963Y
	E-602-1782	963Z
	E-646-1746	964A
Sequence Code: 6	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8868 EA-6B Systems Organizational Initial Maintenance Technician

Performs organizational apprentice level maintenance on the EA-6B aircraft.

Source Rating: AT	Billet Paygrades: E3-E4	Personnel Paygrades: E3-E4
Course: Course Pending	CIN:	CDP:
Sequence Code: 6	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

8876 SH-60B (LAMPS MK III) System Organizational Initial Maintenance Technician

Performs organizational apprentice level maintenance on the SH-60B (LAMPS MK III) aircraft.

Source Rating: AT	Billet Paygrades: E3-E4	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN: D-102-0820, E-102-0820	CDP: 3723, 567H
Sequence Code: 6	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

8877 H-3 Systems Organizational Initial Maintenance Technician.

Performs organizational apprentice level maintenance on the H-3 aircraft.

Source Rating: AE AM AD	Billet Paygrades: E3-E4	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN: AE D-602-0553	CDP: 595B
	AM D-602-0582	595A
	AD D-601-0511	579Z
Sequence Code: 6	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

8878 H-60 Systems Organizational Initial Maintenance Technician.
Performs organizational apprentice level maintenance on all T/M/S of the H-60 aircraft.

Source Rating: AT AE AM AD	Billet Paygrades: E3-E4	Personnel Paygrades: E3-E5
Course: Course Mandatory	CIN: AT E-102-0823	CDP: 567V
	D-102-0823	595C
	AE D-602-0855	595E, 2478
	E-602-0855	568D
	AM D-602-0883	595F, 2483
	E-602-0833	568F
	AD D-602-0810	595D, 2470
	E-602-8010	963U
Sequence Code: 6	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D1

CRYPTOLOGIC TECHNICIAN

CT-9102 National OPELINT Analyst
The National OPELINT course is designed to provide joint Service Personnel, E-5 and above with journeyman level knowledge and skills required to perform analysis and reporting of all-source information for tactical and strategic commanders in support of battle force and national intelligence objective. Graduates OPELINT Analysts will operate GENSER and Special Compartmented Intelligence (SCI) processing, transmission, analysis, and storage systems to include Tactical Data Distribution System (TDDS), Standard TRE Display (STRED), GALE-LITE, INTELINK, WRANGLER, and Global Command and Control System-Maritime (GCCS-M). Graduates will also be knowledge of capabilities, limitations, tasking, and validation processes of various national and conventional intelligence collections and processing systems. Although graduates will primarily use ELINT data, they will have received training in fusing ELINT with COMINT, IRINT, IMINT, RADINT, and PROFORMA information as well.

Source Rating: CTT EW	Billet Paygrades: E5-E8	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-231-0076	CDP: 477S
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

Note: E4 personnel with one completed tour in an OPELINT position may be selected on a case by case basis

CTM-9103 Fleet Cryptologic Systems Maintenance Technician
Performs organizational level maintenance on all cryptographic and ancillary equipment associated with fleet cryptographic systems to include AN/SSQ-80A (V), SSEE, TACINTEL ll and antenna maintenance.

Source Rating: CTM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: A-102-0375	CDP: 769D
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CT-9104 Telemetry Collection and Analysis Technician
Personnel will analyze Foreign Instrumentation (FISINT) signals; including signal parameter measurements; external analysis and identification of telemetry signals, systems, target facilities and vehicles; and report analytical results.

Source Rating: CTT	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN: A-232-0071	CDP: 2361
Sequence Code: 3	RBTR:	NR Ind: R

Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CT-9105 C2 Tactical Analysis Technician
Performs analysis of Communications and Electronic Signals in support of Information Warfare/Command and Control Warfare (IW/C2W) in order to gain and maintain information superiority.

Source Rating: CTR CTI CTT	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN: A-231-0096	CDP: 713Y
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 9102	Related NEC:	Open to Women : Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

NOTE: Requires TS clearance based on SSBI with SCI access

CT-9116 Cryptologic Supervisor
Directs all aspects of cryptologic operations including collection, collection management, and analysis and reporting.

Source Rating: CTR CTI	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-231-0021	CDP: 958N
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

NOTE: NEC may be awarded upon completion of CK 155 school for NCOs at FT Meade Army Base, MD.

CT-9124 Direct Support (DIRSUP)/Ships Signals Exploitation Equipment Operator
Performs DIRSUP/SSEE operator duties on board air, surface and subsurface units to support commanding officers forward deployed. Operates the Joint Maritime command Information System (JMCIS), Command Cryptologic workstation (CCWS) and cryptologic collection systems comprised of radio receivers, recorders, computer terminals and peripheral equipment.

Source Rating: CTI CTR CTT	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-231-0075, A-231-0078	CDP: 438A,5578
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CT-9125 OUTBOARD System Operator
Performs mobile cryptologic support duties. Operates OUTBOARD equipment.

Source Rating: CTR	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-231-0079	CDP: 444R
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20, CNO N769	Technical Advisor: SECGRU	ECM: N132D8

CT-9126 SEAMARK ADVANCED OPERATOR MAINTAINER
Controls, operates, and performs organizational level maintenance on all component hardware of the automated technical control system SEAMARK to include the AT&T (series) Processors, associated ADP peripheral hardware and system Specific built in test equipment (BITE); plus performs system level diagnostic testing and failure analysis.

Source Rating: CTM CTO	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CT-9131 Combat Direction Finding System (AN/SRS-1) Operator
Operates the AN/SRS-1 equipment as an integral part of Electronic Warfare Support Measures.

Source Rating: CTR	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: A-231-0089	CDP: 367Y
Sequence Code: 4	RBTR:	NR Ind: R

Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N20 | Technical Advisor: SECGRU | ECM: N132D8

CT-9132 Afloat Cryptologic Manager
Supervises SSEE, SRS-1 personnel and equipment.

Source Rating: CTR | Billet Paygrades: E7-E8 | Personnel Paygrades: E7-E8
Course: Course Mandatory | CIN: A-3B-0029 | CDP: 0096
Sequence Code: 2 | RBTR: | NR Ind: R
Component NEC: 9125 or 9131 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N20 | Technical Advisor: SECGRU | ECM: N132D8

CT-9133 HFDF Network Manager
Performs High Frequency Direction Finding net control and support center duties.

Source Rating: CTR | Billet Paygrades: E5-E8 | Personnel Paygrades: E5-E8
Course: Course Mandatory | CIN: | CDP:
Sequence Code: 3 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N20 | Technical Advisor: SECGRU | ECM: N132D8

CT-9134 Subsurface Augmentee Operator
Operates subsurface systems, applying complex intercept techniques and prescribed recording and reporting procedures.

Source Rating: CTR CTI | Billet Paygrades: E3-E8 | Personnel Paygrades: E3-E8
Course: | CIN: | CDP:
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: No
Primary Advisor: CNO N20 | Technical Advisor: SECGRU | ECM: N132D8

CT-9135 Subsurface Augmentee ELINT Operator
Operates the WSQ-5 system, applying complex intercept techniques and prescribed recording and reporting procedures.

Source Rating: CTT | Billet Paygrades: E3-E8 | Personnel Paygrades: E3-E8
Course: Course Mandatory | CIN: A-233-0119 | CDP: 0095
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: No
Primary Advisor: CNO N20 | Technical Advisor: SECGRU | ECM: N132D8

CT-9137 Apprentice Analysis and Reporting Specialist
Performs in-depth current and term analysis, reports real time or historical activities for fleet or national mission support, manipulates computerized data bases, produces finished summary reports and other support by integrating multi-source input, preliminary screening performed by primary sources, own analysis of raw or semi-processed information and tactical analytic products. Coordinates input and recommends adjustments to station operations tasking.

Source Rating: CTR CTI | Billet Paygrades: E4-E7 | Personnel Paygrades: E4-E7
Course: Course Mandatory | CIN: | CDP:
Sequence Code: 3 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N20 | Technical Advisor: SECGRU | ECM: N132D8

CT-9138 Journeyman Analysis and Reporting Specialist
Performs in-depth current and term analysis, reports real time or historical activities for fleet or national mission support, manipulates computerized data bases, produces finished summary reports and other support by integrating multi-source input, preliminary screening performed by primary sources, own analysis of raw or semi-processed information and tactical analytic products. Adjusts station operations tasking.

Source Rating: CTR CTI | Billet Paygrades: E5-E8 | Personnel Paygrades: E5-E8
Course: Course Mandatory | CIN: A-232-0074 | CDP: 3859
Sequence Code: 3 | RBTR: R-232-0070-01 | NR Ind: R
Component NEC: 9137 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N20 | Technical Advisor: SECGRU | ECM: N132D8

CTT-9141 Intermediate Technical ELINT (TECHELINT) Analysis Technician

Performs measurements on noncommunications signals using analog equipment and determines required noncommunications collection and analysis procedures and priorities.

Source Rating: CTT	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-231-0016	CDP: 916P
Sequence Code: 3	RBTR: R-231-0019-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

NOTE: Personnel must complete EA-279 and EA-280 to earn NEC 9141.

CTR-9147 Intermediate Signals Analyst
Performs acquisition, analysis and reporting of state-of-the-art communications signals at the intermediate level.

Source Rating: CTR	Billet Paygrades: E5-E7	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: A-232-0451	CDP: 028Y
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

NOTES:
1. Successful completion of the National Cryptologic School Course, "Math for SIGINT" (EA-183) is required prior to attending A-232-0451.
2. NEC will also be awarded to individuals upon successful completion of the Military COMINT Signals Analyst Program (MCSAP).

CTR-9149 Advanced Signals Analyst
Performs advanced acquisition, analysis and reporting of state-of-the-art communications signals.

Source Rating: CTR	Billet Paygrades: E6-E8	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: A-232-0452	CDP: 4375
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 9147	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CTR-9166 Direction Finding Outstation Operator
Operates sophisticated computer-controlled equipment at Navy CROSSHAIR net stations, including all high frequency sensor systems and state-of-the-art communications subsystems.

Source Rating: CTR	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC: 9125	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CT-9168 Advance Non-communications Collection and Analysis Technician
Performs advance measurements on non-communications signals using analog and digital equipment. Determines and manages required non-communications collection procedures and priorities.

Rating: CTT	Billet Paygrades: E6-E8	Personnel Paygrades: E6-E8
Course: Pending	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 9141	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20C	Technical Advisor: NAVSECGRU	ECM: N132D8

NOTE: Individuals must have completed at least one year tour as an Intermediate non-communication signals analyst, and have completed/recompleted EA-183 Math for SIGINT within one year prior to assignment to the course. NEC will be awarded to graduates of the three-year Military ELINT Signals Analyst Program (MESAP).

CTR-9169 Morse Code Intercept Operator
Performs complex search and collection duties. Operates cryptologic collection systems comprised of radio receivers, recorders, computer terminals, and peripheral equipment.

Source Rating: CTR	Billet Paygrades: E3-E5	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: A-231-0044	CDP: 451Y

Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CTT-9170 CLASSIC WIZARD Basic Operator
Operates the AN/FSQ-11, AN/FYK-16A(V), ACCE/IMP and communications subsystems. Applies computing techniques to the collection and manipulation of data. Performs quality control checks and issues corrections to system generated reports in support of the CLASSIC WIZARD program. Interacts with the Program Operations Coordination Group on reporting matters.

Source Rating: CTT	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E7
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

NOTE: Previous holders of 9171 or 9175 must complete the Controller/Reporter JQR or the NSGA Winter Harbor training package to convert to 9170.

CT-9177 CLASSIC OWL Operator
Operates the AN/TSQ-161(V) and AN/TSQ-181(V) equipment at various sites in support of tasking.

Source Rating: CTR CTO	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-232-0001	CDP: 923B
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

NOTE: CTO personnel must hold NEC CT-9185 to be eligible for NEC CT-9177.

CTO-9178 NEWSDEALER Communications Operator
Operates NEWSDEALER communications system and equipment.

Source Rating: CTO	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-260-0071	CDP: 261Z
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CT0 9179 NEWSDEALER MANAGERS COURSE
Manages the NEWSDEALER Message Switching System (MSS) and peripheral equipment. Responsible for system administration functions of the MSS including day to day management, system restorals/troubleshooting, network management of the communication LAN and message routing functions to ensure accurate and timely message routing.

Rating: CTO	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E6
Course:	CIN: A-260-0004	CDP: 369B
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC: 9178	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

Note: Must possess a TS/SI security clearance. Nec affect shore only.

CTO-9185 Fleet Integrated Cryptologic Communications Systems
Operates both TACINTEL Subscriber and TLCF Communications System. Operator is proficient in shipboard system operations or Link Control Facility operations. Prepares outage logs and reports and maintains circuit quality.

Source Rating: CTO	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-231-0052	CDP: 031A
Sequence Code: 4	RBTR: R-231-0052-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N6, N20, N869	Technical Advisor: SECGRU	ECM: N132D8

CT-9188 Navy Integrated Cryptologic Communications Systems Specialist

Manage and administer integrated cryptologic information systems and networks that provide tactical or strategic operational intelligence to Tactical Commanders and Strategic Planners both ashore and afloat. Perform quality control assurance and fault isolation on communications circuits and networks. Configure and operate complex cryptologic data communications equipment.

Source Rating: CTO CTM	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: A-260-0076	CDP: 0093
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC: 2735	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CT-9190 Special Security Assistant

Performs duties as assistant to the commanding officer on all matters pertaining to special security. Initiates and updates security eligibility. Maintains Special Security Office (SSO) files. Prepares classified correspondence. Readies Sensitive Compartmented Information (SCI) material for electronic transmission and the Defense Courier Service (DEFCOS). Provides for and maintains accreditation of SCI facilities. Exercises control and accountability of all SCI material at the command.

Source Rating: CTA CTR CTO	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: J-243-0984	CDP: 6926, 0291
Sequence Code: 3	RBTR: R-150-0962-05, R-310-0984-01 R-310-0984-02, R-310-0984-03 R-000-1576-01	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CTI-9192-9216 Basic Linguists

Performs duties requiring proficiency in a foreign language including use of grammar, basic, vocabulary, specialized technical and military vocabularies, and language working aids. Operates electronic equipment relating to audio digital files, computerized databases, and analytical systems.

NOTES:

1. The Defense Language Proficiency Test for CTI rating.

   (a) The DLPT is a Performance Test and CTIs must achieve a minimum language proficiency standard of level 2 in both reading and listening portions of the DLPT in the language which reflects their primary duty as determined by the member's Commanding Officer. To be eligible for promotion, all candidates competing for CTI2 through CTICS must achieve minimum proficiency at least once per paygrade. This requirement must be met prior to the actual advancement examination date.

   (b) Materials Test materials, instructions and grading criteria are held by designated command DLPT control officers or may be obtained as required from NETPDTC, Code N321, 6490 Saufley Field Road, Pensacola, Fl. 32509-5237. BUPERS (N13) (CTI ECM) can be contacted for additional information on obtaining appropriate examinations.

2. NEC Award Criteria.

   a. CTI OBTAINING A SECOND LANGUAGE NEC

For obtaining secondary NECs 9192 through 9196, 9198, 9202,9204,9208 and 9310 through 9315, a score of L2/R2 or better on a DLPT in the NEC language or completion of the basic language course is required. Demonstrated operational experience may also be necessary before approval of secondary NEC is granted. For primary language NECs 9197, 9201, 9203, and 9211 through 9213, 9215, and 9216, the requisite Secondary Basic Language Courses (Phase I & II) must be completed.

Secondary Basic Language Courses

9192	01TH47W	9193	01JN30W
9194	01CA47W	9195	01BY47W
9196	01MY47W	9197	05SC16W
9198	01PL47W	9202	01TA47W
9204	01FR25W	9208	01AB47W
9310	01BU47W	9311	01GG47W
9312	01KU47W	9313	01PY47W
9314	01RQ47W	9315	01UK47W

3. CTI STRIKER OR CONVERTEE OBTAINING FIRST LANGUAGE NEC

For obtaining NECs 9192 through 9196, 9198, 9202, 9204, 9208, and 9310 through 9315, in addition to the Basic Language Courses listed above, the applicant must complete the Common Block Core Course A-232-0029 (CDP 6329). For other language NECs 9197, 9201, 9203, 9209, and 9211 through 9213, 9215 and 9216, the Phase II language courses as listed in this manual (NAVPERS 18068F) must be completed.

4. WAIVER REQUIREMENTS

Waivers for scores on a Defense Language Proficiency Test (DLPT) less than L2/R2 will not be routinely granted. However, waiver requests will be considered on a case by case basis in view of personnel requirements which may exist at time of request. Request should be submitted via EPMAC 1221/2 to EPMAC (Code 49), info N13.

CTI-9192 Basic Thai Linguist

Source Rating: CTI	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-232-5029	CDP: 889N
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CTI-9193 Basic Indonesian Linguist

Source Rating: CTI	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-232-5087	CDP: 048C
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CTI-9194 Basic Cambodian Linguist

Source Rating: CTI	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-232-0029	CDP: 6329
	A-232-5084	0487
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CTI-9195 Basic Burmese Linguist

Source Rating: CTI	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-232-5090	CDP: 0502
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Woman: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CTI-9196 Basic Maly Linguist

Source Rating: CTI	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-232-5024	CDP: 890G
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CTI-9197 Basic Serbo-Croatian Linguist

Source Rating: CTI	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-232-5075	CDP: 958Y,626Z
	A-232-0029	6329
	A-232-0072	333Y
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CTI-9198 Basic Polish Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-5027
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 890K
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTI-9201 Basic Russian Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-0021
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 6321
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTI-9202 Basic Tagalog Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-0029
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 6329
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTI-9203 Basic Spanish Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-0031
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 6331
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTI-9204 Basic French Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-0029
RBTR: R-232-0040-01
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 6329
NR Ind: R
Open to Women: Yes
ECM: N132D8

CT-9206 Master Cryptologic Linguist

Personnel perform duties requiring near professional proficiency in foreign language, including use of grammar, vocabulary, specialized military and technical vocabularies, and language working aids. They supervise language-processing missions and perform quality control on language-derived materials.

Rating: CTI
Course: Pending
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N20C

Billet Paygrades: E5-E8
CIN:
RBTR:
Related NEC:
Technical Advisor: NAVSECGRU

Personnel Paygrades: E4-E8
CDP:
NR Ind: N/A
Open to Women: Yes
ECM: N132D8

NOTE: (1) Achieve L3/R3 on Defense Language Proficiency Test (DLPT) within one year of applying for NEC

(2) Successfully complete the three-year Military Linguist Program, or successfully pass the NSA/CSS Professional Qualification Examination for their base language.

(3) Must have TS/SI Security Clearance.

CTI-9207 Basic German Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-5017
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 889F
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTI-9208 Basic Albanian Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-5082
A-232-0029
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 0485
6329
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTI-9209 Basic Persian (Farsi) Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-0066
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 1858
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTI-9211 Basic Chinese (Mandarin) Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-0022
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 6322
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTI-9212 Basic Korean Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-0028
RBTR: R-882-0012-02
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 6328
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTI-9213 Basic North Vietnamese Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-0023
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 6323
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTI-9215 Basic Hebrew Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-0041
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 6122
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTI-9216 Basic Arabic Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-0042
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 6123
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTM-9226 CLASSIC OWL Maintenance Technician
Performs preventive and basic corrective maintenance on the CLASSIC OWL equipment and subsystems.

Source Rating: CTM
Course: Course Mandatory
Sequence Code: 4
Component NEC:

Billet Paygrades: E3-E7
CIN: S-102-0001
RBTR:
Related NEC:

Personnel Paygrades: E3-E8
CDP: 958J
NR Ind: R
Open to Women: Yes

Primary Advisor: CNO N20 | Technical Advisor: SECGRU | ECM: N132D8

CTM-9228 COMSAT Systems Maintenance Technician
Performs organizational level maintenance on generic receivers, converters, multiplexers, modems and ancillary equipment associated with COMSAT systems.

Source Rating: CTM | Billet Paygrades: E4-E7 | Personnel Paygrades: E3-E9
Course: Course Mandatory | CIN: A-102-0396 | CDP: 477Y
Sequence Code: 4 | RBTR: | NR Ind: N
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N20 | Technical Advisor: SECGRU | ECM: N132D8

CTM-9238 Submarine Carry-on Equipment Maintenance Technician
Performs organizational level maintenance on submarine carry-on equipment to include AN/BRQ-2, AN/BRD-7, AN/BRD-8, AN/WYQ-1, AN/WSQ-5, AN/WLR-18(V), and universal M-8000.

Source Rating: CTM | Billet Paygrades: E3-E8 | Personnel Paygrades: E3-E8
Course: Course Mandatory | CIN: A-102-0405 | CDP: 0396
Sequence Code: 4 | RBTR: | NR Ind: N
Component NEC: | Related NEC: | Open to Women: No
Primary Advisor: CNO N20 | Technical Advisor: SECGRU | ECM: N132D8

CTM-9244 WOLFERS/ROCKETEER System Maintenance Technician
Performs organizational level maintenance on the WOLFERS and ROCKETEER (Time/Time Interval Distribution) systems to include AN/GSQ-216 Clock Generator Subsystem AN/FTC-54 Telephone Connecting and Switching Subsystem AN/FTQ-1 Intercommunication Set Subsystem and DICOM Intercom. Performs system level fault isolation and failure analysis.

Source Rating: CTM | Billet Paygrades: E3-E7 | Personnel Paygrades: E3-E7
Course: | CIN: | CDP:
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N20 | Technical Advisor: SECGRU | ECM: N132D8

NOTE: No new assignments of this NEC.

CTM-9245 NEWSDEALER System Maintenance Technician
Performs organizational level maintenance on the NEWSDEALER system to include the AT&T 3B15 & 3B2 (series) processors associated ADP peripheral hardware and system network components (LAN hardware). Performs system level diagnostic testing and failure analysis.

Source Rating: CTM | Billet Paygrades: E3-E7 | Personnel Paygrades: E3-E7
Course: Course Mandatory | CIN: | CDP:
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N20 | Technical Advisor: SECGRU | ECM: N132D8

CTM-9249 OUTBOARD II System Maintenance Technician
Performs organizational maintenance at the system level on the OUTBOARD and TACINTEL ll systems

Source Rating: CTM | Billet Paygrades: E3-E8 | Personnel Paygrades: E3-E8
Course: Course Mandatory | CIN: A-102-0325 | CDP: 137X
Sequence Code: 4 | RBTR: | NR Ind: R
Component NEC: 9103 | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N20 | Technical Advisor: SECGRU | ECM: N132D8

CTM-9251 Wideband Acquisitions and Analysis (WBAA) Hardware Maintenance Technician
Performs organizational and intermediate level maintenance on portions of the FSQ-117 wideband system which includes FSR-5, FSK-1, FYC-13, FYQ-94A, FSK-2, and special signal recognizers.

Source Rating: CTM | Billet Paygrades: E3-E7 | Personnel Paygrades: E3-E7
Course: | CIN: | CDP:
Sequence Code: 5 | RBTR: | NR Ind: R
Component NEC: | Related NEC: | Open to Women: Yes
Primary Advisor: CNO N20 | Technical Advisor: SECGRU | ECM: N132D8

NOTE: No new assignments of this NEC.

CTM-9252 High Frequency Direction Finding (HFDF) Hardware Maintenance Technician
Performs organizational and intermediate level maintenance on the Longroot Direction system and Host communications systems.

Source Rating: CTM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-102-0309	CDP: 3661
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CTM-9256 Radio Frequency Distribution (RFD) Maintenance Technician
Performs preventive and corrective maintenance on the Radio Frequency Distribution System for the Navy's HFDF sites to include AN/FRQ-25 Matrix Switch, multicouplers, goniometers, and associated equipment.

Source Rating: CTM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: A-102-0304	CDP: 076C
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CTM-9257 WOLFERS/ROCKETEER and Chainwork PTTI Maintenance Technician
Performs organizational level maintenance on WOLFERS/ROCKETEER Time/Time Interval Distribution Systems to include AN/GSQ-216 Clock Generator Subsystem, AN/FTC-54 Telephone Connecting and Switching Subsystem, AN/FTQ-1 Intercommunication Set Subsystem and DICOM intercom. Performs organizational level maintenance on Chainwork, Precision Time/Time Interval system to include rubidium oscillator timing accumulator buffers and amplifiers.

Source Rating: CTM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: A-102-0370	CDP: 9678
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC: 9286 and 9244	Open to Women : Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CTM-9258 Outstation Communication (FLAGHOIST) System Maintenance Technician
Performs organizational level maintenance on the AN/FSQ-138 Outstation Communications (FLAGHOIST) equipment including the DEC Microvax II processor the RA-60 and RA-81 disk drives the RD-546/U (TS-05) tape drive the VT-241 alphanumeric terminal the TT-814/F (MXT-1200KSR) terminal and the RP-326F (P-300) printer. Performs system level diagnostic testing and failure analysis.

Source Rating: CTM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

Note: No new assignments of this NEC.

CTM-9259 Digital Systems Maintenance Technician.
Performs organizational level maintenance on VAX/VMS, ULTRIA/UNIX, Digital baseband ethernet and associated hardware.

Source Rating: CTM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: A-102-0315	CDP: 119A
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CTM-9283 Mobile Electronics Maintenance Technician (WLQ-4)
Performs organizational level maintenance on the WYK-20, WLQ-4 and UYQ-1/BRQ-1 special submarine Electronic Warfare Support Measures equipment suite.

Source Rating: CTM	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R

Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

Note: No new assignments of this NEC.

CTM-9285 HPW Fundamentals Technician

Performs organizational level maintenance on generic High Performance Workstation (HPW) based systems, network components and associated peripherals. Performs system level diagnostic testing and failure analysis.

Source Rating: CTM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-102-0377 A-102-0406	CDP: 203X 1062
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

NOTE: Must complete Goodfellow AFB, TX course X3AZR2E251-260 (A-102-0377/203X) or FT Huachuca, AZ course 102-F112 (A-102-0406/1062).

CTM-9286 Chainwork PTTI System Maintenance Technician

Performs organizational level maintenance on the Chainwork Precision Time/Time Interval System to include rubidium oscillator timing accumulators buffers and amplifiers and performs system level diagnostic testing and failure analysis.

Source Rating: CTM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E6
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

NOTE: No new assignments of this NEC.

CTM-9289 Combat Direction Finding System (SRS-1) Maintenance Technician

Performs organizational level maintenance of the Combat Direction Finding System to include OL-488/SRS-1 Data Management subsystem, OR-356/SRS-1 HFDF sub system, OR-357/SRS-1 VHF/UHF DT subsystem, CP-2057/SRS-1 Acquisition subsystem.

Source Rating: CTM	Billet Paygrades: E3-E6	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-102-0350	CDP: 367X
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC: 9103	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CTM-9295 Network Systems Maintenance Technician

Performs organizational level maintenance on Network Telecommunications Systems. Includes fiber optic theory and maintenance.

Source Rating: CTM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: S-102-0002	CDP: 958K
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

NOTE: Must complete National Cryptologic School (NCS) courses NT-250, NT-253, EM-103, EM-523, and TC-C02 to be awarded NEC. TC-C02 requirement may be me by completion of NTC-26.

CTM-9296 Communications Electronics Equipment Installer

Installs communications electronics equipment at Naval Security Group activities worldwide to meet Navy and DOD installation criteria. Includes fiber optic theory and maintenance.

Source Rating: CTM	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: A-102-0395	CDP: 477X
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

NOTE: Must complete US Army, Ft Huachuca, AZ course 829-F2.

CTM-9297 CLASSIC WIZARD System Maintenance Technician
Performs organizational level maintenance on the AN/FSQ-111, AN/FYK-24(V) and ACCE/IMP systems including the antenna system mini-computers transmission lines digital receivers and other peripheral equipment associated with the CLASSIC WIZARD program.

Source Rating: CTM	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: A-102-0207	CDP: 910G
Sequence Code: 4	RBTR: R-102-0207-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CT-9301 Entry Level Programmer/Analyst
Converts computer pseudocode into "real" code in one or more programming languages, incorporating Software Change Proposals (SCPs) into a variety of cryptologic systems, maintains required documentation, and performs analytic functions on computer code.

Source Rating: CTM CTO CTR CTT CTA CTI	Billet Paygrades: E4-E6	Personnel Paygrades: E4-E7
Course: Course Mandatory	CIN: A-532-0001	CDP: 958P
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

Note: Must complete Mathematics, Volume I (NAVEDTRA 10063), Number Systems, and Logic Circuits/NEETS Mod 13 (NAVEDTRA B72-13-00-94).

CT-9302 Cryptologic Network Configuration Manager
Analyzes networking conflicts; resolves connectivity/network and operating systems compatibility issues; plans/manages overall command network architecture; controls site configurations/systems and network integration; provides technical oversight to local/ command information systems staff.

Source Rating: CTM CTO CTR CTT CTA CTI	Billet Paygrades: E4-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-532-0002	CDP: 958R
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

Note: Must complete Networking Essentials Part I, II, III, IV (NETG), and C Programming Fundamentals Part I (NETG).

CT-9303 Communication Information Systems Course
Designed to train communication operators, tech-controllers and maintenance technicians to perform hardware and software installation and corrective maintenance to the lowest replaceable unit (LRU). It includes all procedures necessary to perform installation and corrective maintenance tasks required by a network technician to support Integrated Digital Network Exchange (IDNX) Nodes, Sequence Packet Exchange (SPX-50) Statistical Multiplexers and Data Products (DP-2048) Time Division Multiplexers in support of the Global Telecommunications Service (GTS). Also trains operations and maintenance of the Global Connectivity Service (GCS) CISCO 4000/7000 and AGS-Routers, Intelligent HUBS, Ethernet Segments and Fiber Distributed Data Interface (FDDI) rings and associated Network Management Systems.

Source Rating: CTO CTM	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: A-101-0407	CDP: 2331
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women : Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

CT-9304 Database Administrator
Provides database administrator services for Naval Security Group cryptologic systems and networks (to include data integrity, data security, ownership, retrieval, and modification rights, performance management, database tuning, NSG-related data standards, developing user training programs, system back-up and recovery plans, incorporating and utilizing documentation). Participates in the design, implementation, operation and/or configuration management of cryptologic warfare databases to effectively meet user/NSG requirements (to include understanding the principals of database design, relational and hierarchical models, schema/table design, file structures and forms development).

Source Rating: CTT CTO CTR CTM CTA	Billet Paygrades: E6-E7	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-532-0003	CDP: 959T

Sequence Code: 3
Component NEC:
Primary Advisor: CNO N20

RBTR:
Related NEC:
Technical Advisor: SECGRU

NR Ind: N
Open to Women : Yes
ECM: N132D8

CTI-9310 Basic Bulgarian Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-5083
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 0486
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTI-9311 Basic Georgian Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-5086
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 048A
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTI-9312 Basic Kurdish Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-5088
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 0490
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTI-9313 Basic Portuguese Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-5023
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 890F
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTI-9314 Basic Romainian Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-5089
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 0493
NR Ind: R
Open to Women: Yes
ECM: N132D8

CTI-9315 Basic Ukrainian Linguist

Source Rating: CTI
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N20

Billet Paygrades: E3-E9
CIN: A-232-5074
RBTR:
Related NEC:
Technical Advisor: SECGRU

Personnel Paygrades: E3-E9
CDP: 958X, 2102
NR Ind: R
Open to Women: Yes
ECM: N132D8

NAVAL AIRCREWMAN

9401 EP-3E In-flight Technician
Performs and supervises pre-flight, in-flight, and post-flight duties in the operation, troubleshooting and organizational level maintenance on COMM/NAV, ESM and special mission avionics systems. Assists EWCC and EWAC as required.

Source Rating: AT
Course: Course Mandatory
Sequence Code: 3
Component NEC: 8201
Primary Advisor: CNO N789

Billet Paygrades: E5-E8
CIN: E-050-3020
RBTR:
Related NEC: 8269
Technical Advisor: NAVAIR

Personnel Paygrades: E5-E8
CDP: 2120
NR Ind: R
Open to Women: Yes
ECM: N132D2

NOTE: Personnel removed from flight status shall be recoded to AT-6640.

9402 P-3C Update III ASUW Improvement Program (AIP) In-Flight Technician
Performs in-flight duties of fault isolation and component repair of the P-3C Update III Anti-surface Warfare Improvement Program avionics equipment at the organizational level.

Source Rating: AT	Billet Paygrades: E4-E8	Personnel Paygrades: E4-E8
Course:	CIN: D-050-1143	CDP: 4797
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC: 8262	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

9403 EP-3E Electronic Warfare Operator
Performs preflight, in-flight and post-flight duties as an EP-3E aircrewman, operating, troubleshooting and performing organizational level maintenance on aircraft EW systems.

Source Rating: AT AE	Billet Paygrades: E3-E8	Personnel Paygrades: E3-E8
Course: Course Mandatory	CIN: E-050-3022	CDP: 2123
Sequence Code: 4	RBTR:	NR Ind: N
Component NEC: 8284	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N132D2

SPECIAL SERIES (GENERAL)

9502 Instructor
Directs teaching/learning activities in schools training centers and selected reserve units. Writes learning objectives prepares test items evaluates instructional materials and the results of instruction and counsels students on academic learning problems.

Source Rating:	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-012-0011	CDP: 3400, 3405, 5275, 473E, 198W, 8499, . 362E,191C ,626Y, 626X
	A-5K-1310	3595, 389W, 474R
	A-012-0043	252T, 1976
	S-012-0011	594U
	A-661-0107	1016, 203H
	A-661-0108	333P
	A-661-0109	333V
	A-661-0110	1021, 203J 4649
	A-012-0055	295U, 4645, 4640, 4641
	A-012-0077	631K, 4642, 4648, 4647
Sequence Code: 7	RBTR: R-012-0011-04, R-012-0011-05 R-242-0011-02, R-242-0993-02 R-243-0969-03, R-243-0995-01 R-310-0984-03, R-602-7005-11	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N71	Technical Advisor: CNET	ECM: N13

NOTES:
1. The Commanding Officer of the individual's permanent duty station is responsible for recommending NEC award for graduates of 3AIR75100-00X.. Recommendations will be submitted on NAVPERS 1221/2 to EPMAC (Code 49).
2. Graduates of Instructor Training at Naval Nuclear Power Training Command (UICs 0617A, 45859), Naval Nuclear Power Training Unit, Ballston Spa, NY (UIC 62986), or Naval Nuclear Power Training Unit, Charleston, SC (UICs 47723, 49230) may be awarded this NEC upon transfer to instructor billets in these UICs. Personnel submit 1221/2 to EPMAC (Code 49).
3. E-5 and above to attend BIT. E4 may only attend with overall evaluation of 4.0 on most recent and written waiver from the ultimate gaining command. No E-3 and below will be accepted for instructor duty.

9503 Miniature/Microminiature Electronic Repair Inspector
Performs annual recertification of miniature and microminiature technicians and 12-18 month 2M program validation per 2M Certification Plan (NAVSEA TE000-AA-PLN-010/2M, NAVAIR 4790-PLN-010/2M).

Source Rating:	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8

Course: Course Mandatory	CIN: A-100-0058	CDP: 8722, 452C, 004P
Sequence Code: 7	RBTR:	NR Ind: A
Component NEC: 9526	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N43	Technical Advisor: NAVSEA, NAVAIR	ECM: N13

NOTES:
1. Continued NEC qualification is per the 2M Certification Plan (NAVSEA TE000-AA-PLN-010/2M, NAVAIR 4709-PLN-010/2M).
2. NEC is normally assigned to AE, AT, CTM, DS, ET, EW, FC, FT, GM, GSE, IC, IM, MT, IT, ST, TM.

9504 Aviation Water Survival Instructor

Instructs in all areas of swim and water survival training. Operates and maintains training devices used in the Naval Aviation Water Survival Training Program. Instructs in the uses handling and familiarity with aviation life support and personal protective equipment. Instructs in Standard First Aid Community CPR and Lifeguard Training. Conducts organizes and manages classroom and poolside classes.

Source Rating:	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: B-570-0101	CDP: 1237
Sequence Code: 7	RBTR:	NR Ind: R
Component NEC: 9502	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: CNATRA, NAVAIR	ECM: N13

Note: Hospital Corpsmen who possess NEC HM-8409 do not require component NEC 9502 to be awarded this NEC.

9505 Survival, Evasion, Resistance and Escape (SERE) Instructor

Performs special duties associated with Survival Evasion Resistance and Escape (SERE) techniques. Qualifies in survival and evasion tactics. Knowledgeable in current resistance techniques and escape methods. Qualifies as an instructor in all phases of SERE training. Demonstrates knowledge of fundamentals as set forth in the Evasion and Escape Manual (NWP 43(A)).

Source Rating:	Billet Paygrades: E5-E8	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: D-012-0001 E-012-0001	CDP: 237X 448C
Sequence Code: 7	RBTR:	NR Ind: R
Component NEC: 9502	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: CNATRA, NAVAIR	ECM: N13

9508 Recruit/Assistant Recruit Company Commander/Recruit Instructor

Instructs and acts as Recruit Company Commander or Assistant Recruit Company Commander and Recruit Instructor at Recruit Training Commands.

Source Rating:	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-012-0037	CDP: 4060
Sequence Code: 7	RBTR:	NR Ind: R
Component NEC: 9502	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N7	Technical Advisor: CNET	ECM: N13

9509 2M Instructor/Master Inspector

2M Instructor; conducts formal training course for Miniature and Microminiature Electronic Repair, 2M Inspector, Microminiature Recertification Training and 2M Instructor culminating in certification. 2M Master Inspector; when assigned as 2M Coordinator or Evaluator performs 12-18 month 2M program validation, microminiature recertification for 9503 personnel and applies requirements of Standard Maintenance Practices and Electronic Assembly Repair IAW (NAVSEA SE004-AK-TRS-010/2M, NAVAIR 01-1A-23) Technical Manual.

Source Rating:	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: A-100-0074	CDP: 452F, 450J,530W, 530Y, 5310,5312
Sequence Code: 7	RBTR:	NR Ind: A
Component NEC: 9502 and 9526	Related NEC: 9503	Open to Women: Yes
Primary Advisor: CNO N43, N869, N889	Technical Advisor: NAVAIR, NAVSEA	ECM: N13

NOTES:
1. Continued NEC qualification is per the 2M Certification Plan (NAVSEA TE000-AA-PLN-010/2M, NAVAIR 4790-PLN-010/2M).
2. NEC normally assigned to AE, AT, CTM, ET, EW, FC, FT, GM, GSE, IC, IM, MT, IT, ST and TM.

9512 3-M System Coordinator

Coordinates and directs all facets of shipboard 3-M program. Advises and assists the supervisors on matters concerning the 3-M system.

Source Rating:	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9

Course: Course Mandatory	CIN: A-500-0028	CDP: 423F
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769, 879, 889	Technical Advisor: NAVSEA	ECM: N13

NOTE: Not to be assigned to personnel in Occupational Fields 5, 6, 7, 13, 14, 23 and 24 or rating AK and PH. (Occupational Fields are found in NAVPERS 18068F Vol. I Navy Enlisted Occupational Standards.)

9515 Equal Opportunity Advisor

Serves as the Navy's trained experts on Equal Opportunity (EO) issues and policies to commanders, generally at the Echelon II and III staffs, Navy Personnel Command staff, Chief of Naval Education and Training staff, Navy Inspector General staff, Defense Equal Opportunity Management Institute staff, and various overseas and afloat commands. Provides briefings on all aspects of EO; facilitates various seminars and workshops; conducts EO portion of ISIC inspections of subordinate discrimination and sexual harassment complaints; provides guidance and training to Command Managed Equal Opportunity (CMEO) Managers; and participates in EO meetings, conferences, and seminars.

Source Rating:	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN: P-561-0001, A-500-0061	CDP: 333G , 527U
Sequence Code: 3	RBTR: R-561-0001-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: Pers-6	Technical Advisor: Pers-61	ECM: N13

9516 Correctional Counselor

Conducts individual and group counseling to encourage and assist prisoners or awardees in establishing a satisfactory adjustment to military life. Provides assistance in prisoner or awardee evaluation. Improves communication channels within the brig or correctional custody unit.

Source Rating:	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-831-0002	CDP: 572D
Sequence Code: 8	RBTR:	NR Ind: R
Component NEC: 9575	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N13

NOTES:

1. Personnel may be assigned this NEC provided they meet the general selection criteria for assignment to Correctional Custody Unit staff and attend correctional counselor training as directed by CHNAVPERS (Pers-84).
2. Additional requirements and criteria for selection for this program are contained in Chapter 9 of the Enlisted Transfer Manual (NAVPERS 15909C).

9517 Ship's 3-M System Coordinator

Responsible for the coordination of all facets of maintenance and material management (3-M) systems. Must possess the ability to implement, evaluate, and coordinate the ship's planned maintenance systems (PMS). As the Maintenance Data Systems (MDS) manager, the 3-M coordinator must possess the ability to operate and effectively manage the MDS. The 3-M Systems Coordinator also serves as the ship's availability manager.

Source Rating:	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN: J-500-0029	CDP: 1955,1957, 0918,208B,208X
Sequence Code: 3	RBTR:	NR Ind: A
Component NEC:	Related NEC: 9512	Open to Women: Yes
Primary Advisor: NAVSEA	Technical Advisor: NAVSEA	ECM: N13

NOTES:

1. This NEC also can be earned during initial SNAP II shipboard implementation by participation in NAVMASSO-provided SNAP 3M System training. Submit recommendation on EPMAC 1221/2 to EPMAC (Code 49)
2. Personnel awarded NEC 9517 must complete JQR and attend follow-on training.

9518 Naval Leadership Development Program (NAVLEAD) Instructor

Conducts Naval Leadership Development Program (NAVLEAD) courses in Navy schools training centers and commands.

Source Rating:	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: P-012-0045	CDP: 589W
Sequence Code: 7	RBTR:	NR Ind: R
Component NEC:	Related NEC: 9502	Open to Women: Yes
Primary Advisor: PERS-6	Technical Advisor: CNET	ECM: N13

9519 Navy Drug and Alcohol Counselor

Performs duties as a Drug and Alcohol Counselor. Duties include assessment and intake interviews, developing treatment plans, maintaining statistical data on patient's progress, preparing summary reports, conducting individual and group counseling, crisis intervention, aftercare planning, referral, conducting prevention, outreach, and other educational services related to alcohol and drug abuse, and providing counseling in other areas as prescribed by program sponsors. Counselors are charged with maintaining the highest code of standards as required by the Counselor Code of Ethics and maintaining a current knowledge about alcohol abuse, alcoholism and addiction. Provides routine direction and supervision, as directed, to NEC 9522 Interns.

Source Rating:	Billet Paygrades: E5-E9	Personnel Paygrades: E4-E9
Course:	CIN:	CDP:
Sequence Code: 8	RBTR: R-000-9519-01	NR Ind: R
Component NEC: 9522	Related NEC:	Open to Women: Yes
Primary Advisor: Pers-6	Technical Advisor: Pers-4010C	ECM: N13

NOTE: To be assigned this NEC, must complete and maintain all requirements of the Navy Drug and Alcoholism Certification program including a minimum one year internship as NEC 9522 Drug and Alcohol Counselor Intern.

9520 Consecutive Foreign Language Translator

Performs duties requiring an advanced proficiency in a foreign language, including grammar; extensive vocabulary necessary to translate complex conversations finite vocabulary of specialized technical and treaty related terms; ability to use bilingual dictionary and ability to write and translate bilingual reports.

Source Rating:	Billet Paygrades: E5-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-232-5072	CDP: 929G
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N20	Technical Advisor: SECGRU	ECM: N132D8

NOTES:

1. Currently only Russian linguists serving, or have served at OSIA are eligible. NEC may be awarded by BUPERS upon achieving advanced level qualifications (Level 3) in listening and speaking on the Defense Language Proficiency Test (DLPT) and upon successful completion of six months translator duty. Continued NEC qualification requires annual recertification by means of the DLPT. Personnel no longer serving at OSIA must achieve advance qualifications (Level 3) in listening and in one functional area (i.e., reading or speaking) to retain the NEC.
2. Currently only course offered is in Russian (71RU-OSIA Special) in Defense Language Institute Foreign Language Center Catalog.

9522 Navy Drug and Alcohol Counselor Intern

Performs duties as a Drug and Alcohol Counselor Intern in a supervised internship program. Under these conditions, conducts assessments, intake interviews, group and individual counseling, referral activities, program management, and outreach activities. Participates in professional development and educational events leading to certification as a Drug and Alcoholism Counselor.

Source Rating:	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: B-302-0001	CDP: 050A
Sequence Code: 8	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: Pers-6	Technical Advisor: Pers-4010C	ECM: N13

9526 Microminiature Electronic Repair Technician

Performs additional repairs beyond those taught to 9527 technicians, e.g., repair of flexible conductors, multilayer conductors and laminates, illuminated panels, and removal and replacement of welded lead components and surface mounted devices per NAVSEAINST 4790.17 and OPNAVINST 4790.2. Repairs conducted using approved equipment and practices as authorized in the Standard Maintenance Practices Miniature/Microminiature (2M) Electronic Assembly Repair (NAVSEA SE004-AK-TRS-010/2M, NAVAIR 01-1A-23) Technical Manual.

Source Rating:	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: A-100-0073	CDP: 092V, 093Y, 452E, 439B, 439D, 439F, 439H, 439U, 439W, 769J, 769H, 8706,628A
Sequence Code: 7	RBTR: R-100-3187-01, R-100-3187-02 R-100-3187-03, R-130-9008-01 R-198-6008-02, R-221-0389-03	NR Ind: R
Component NEC: 9527	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N43	Technical Advisor: NAVSEA, NAVAIR	ECM: N13

NOTES:

1. Continued NEC qualification requires recertification per the 2M Certification Plan (NAVSEA TE000-AA-PLN-010/2M, NAVAIR 4790-PLN-010/2M).
2. NEC is normally assigned to AE, AT, CTM, ET, EW, FC, FT, GM, GSE, IC, IM, MT, IT, ST, and TM.

9527 Miniature Electronic Repair Technician

Performs identification, removal and application of conformal coatings, removal and replacement of discrete and multi-lead components, preparation and installation of eyelets, repair and replacement of conductors and laminates, proper connection of wires to terminal and connector cups, and other related repairs per NAVSEAINST 4790.17 and OPNAVINST 4790.2. Repairs conducted using approved equipment and practices as authorized in the Standard Maintenance Practices Miniature/Microminiature (2M) Electronic Assembly Repair (NAVSEA SE004-AK-TRS-010/2M, NAVAIR 01-1A-23) Technical Manual.

Source Rating:	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: A-100-0072	CDP: 350T, 092U, 093X, 452D, 439A, 439C, 439E, 439G, 439T, 439V, 769F, 769G,627Z
Sequence Code: 7	RBTR: R-100-3182-01, R-100-3182-03 R-102-6122-10, R-103-2051-02 R-198-6008-03, R-102-0239-03 R-221-0389-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N43	Technical Advisor: NAVSEA, NAVAIR	ECM: N13

NOTES:
1. Continued NEC qualification requires recertification per the 2M Certification Plan (NAVSEA TE000-AA-PLN-010/2M, NAVAIR 4790-PLN-010/2M).
2. NEC is normally assigned to AE, AT, CTM, ET, EW, FC, FT, GM, GSE, IC, IM, MT, IT, ST, and TM.

9534 SEAL Delivery Vehicle (SDV) Team Technician

Performs maintenance and support of classified combatant submersible systems and related equipment assigned to Naval Special Warfare SDV Teams. Major equipment include MK VIII SEAL Delivery Vehicles (SDV) Dry Deck Shelters (DDS) Transport Systems and accessory equipment. Duties include preventive/corrective maintenance (through the intermediate level) and forward operational deployment as an independent duty technician with amphibious and other contingency forces in support of Naval Special Warfare Operations.

Source Rating: ET EM HT MR IC EN MM	Billet Paygrades: E5-E8	Personnel Paygrades: E4-E8
Course: Course Mandatory	CIN: S-431-0306 S-431-0087	CDP: 5300 5301
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N851	Technical Advisor: NAVSEA, SPECWAR	ECM: N132D4

NOTES:
1. Course K-102-0306 is for ET rating.
2. NEC will be awarded upon completion of formal training program conducted at the Naval Special Warfare Center and recommendation of the Commanding Officer that certifies member as a qualified SDV Team Technician.
4. The Naval Reserve indicator is “R” for ET personnel.

9535 Advance SEAL Delivery System Maintainer

NEC will identify personnel with organizational and intermediate level maintenance training on the ASDS. These personnel will posses the unique skills required to conduct preventive and corrective maintenance on hull, mechanical, electronic and electronic and electrical systems on this new acquisition combatant submersible. Duties also include crewmember of the vehicle and forward deployment as independent duty technician on board a host ship or forward operating base.

Source Rating: EM ET HM HT MM MR ST	Billet Paygrade: E4-E9	Personnel Paygrade: E4-E9
Course: Mandatory	CIN: K-431-0102, K-431-0101	CDP: 5971, 5962
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: SPECWAR	Technical Advisor: SPECWAR	ECM: N132D4

9540 Stinger Anti-Terrorist Weapon (ATW) Operator and Maintenanceman

Operates and performs preventive maintenance on the Stinger Anti-Terrorist Weapon (ATW). Responsible for the safety handling and storage of the Weapon.

Source Rating:	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-113-0126	CDP: 136N
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N13

NOTES:
1. Course MC-121-7212 is for Seal Teams Course A-1130126 is for all others.
2. CIN A-113-0094 is authorized to award this NEC for Patrol Coastal (PC) Program personnel only.

9545 Navy Law Enforcement Specialist

Performs specialized duties in internal security operations at installations and facilities as a member of the Navy Internal Security Force. Provides security for restricted areas. Controls entry and exit of military and civilian personnel vehicles and other equipment at access points to restricted areas. Patrols property concentration areas on foot and using vehicle. Enforces general and special orders and regulations applicable to the area operations. Performs convoy escort and defense against intrusion by hostile elements riot or other unusual circumstances. Personnel must have received specialized training in internal security counterinsurgency and country orientation weapons and survival evasion resistance to interrogation and escape.

Source Rating:	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E6
Course: Course Mandatory	CIN: A-830-0011	CDP: 1981
Sequence Code: 3	RBTR: R-830-0011-04, R-830-0011-02 R-830-2002-02, R-830-0011-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N09N	Technical Advisor: CNO N09N	ECM: N132D14

NOTES:
1. Specialized training in counterinsurgency and SERE is only required for personnel assigned to potentially hostile environment.
2. Candidates for this NEC are screened for selection in accordance with Article 9.07 of the Enlisted Transfer Manual (NAVPERS 15909).
3. NEC may also be earned by completing Air Force courses L3ABR81130-002 or L3ABR81132-001.
4. NEC awarded to Naval Reservists after successfully completing the Naval Reserve Force Protection, Physical Security, and Law Enforcement Specialist Course, conducted at Naval Technical Training Center Detachment, Lackland AFB and Job Qualification Requirement (JQR).
5. This NEC applies to all non-MA personnel. Personnel holding NEC 9545 who later convert to MA will have the NEC administratively removed.

9549 Acquisition Logistics Specialist

Personnel assigned to acquisition-related billets perform critical functions within acquisition type activities (i.e., Integrated Logistics Support (ILS), Naval Air Training Management Support Activity (NATMSACT) as defined in DoD Directive 5000.1 and DoD Instruction 5000.2. These activities are responsible for acquisition systems development, acquisition, and logistic support or acquisition programs oversight, review, and acceptance of supplies and services under their cognizance. As such, they perform critical functions relating to systems design (reliability and maintainability), the development of acquisition/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. Additionally, these individuals are responsible for various requirements related to the development and execution of budgets, acquisition and logistics support of programs.

Source Rating: AV AF AD AT AE AZ AO AB AM AMH AMS AME PR AS AW AK, SK

	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women : Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N13

NOTES: NEC is awarded as follows:
1. Acquisition Logistics Specialist: Upon completion of the Defense Acquisition University (DAWIA) courses ACQ-101 and LOG-101.
2. Acquisition Manufacturing and Production or Quality Assurance Specialists: Upon completion of the Defense Acquisition University (DAWIA) courses ACQ-101, PQM-101, and 6 months of satisfactory performance in the acquisition billet.
3. DAWIA training courses are obtained and funded for Navy personnel through the Defense Acquisition Career Management (DACM) Office via the DON Acquisition Training Registrar, Naval Acquisition Career Management Center, 5450 Carlisle Pike, P.O. Box 2033, Mechanicsburg, PA 17055 using quotas that are assigned to the requesting command. Individuals must be currently in, or ordered to, an identified Acquisition billet.

9554 Master Naval Parachutist

Directs those who will be designated as Senior Naval Parachutists upon satisfactory course completion. Specializes in the instruction of students for static line jumps free fall, jumps water landing jumps 30-second, and 40-second delayed free fall jumps prior to opening parachute and night parachute jumping with oxygen equipment.

Source Rating:	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course:	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 7352	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N861	Technical Advisor: NAVSEA	ECM: N13

NOTES:
1. NEC is assigned to personnel in paygrades E-6 and above who have satisfactorily completed an instructor's course have been assigned to parachute jumping duty by competent orders are designated as Naval Parachutist and have satisfactorily
completed a course of instruction prescribed by competent orders as well as the following: 2 static line jumps 65 free fall jumps 4 water landing jumps 5 jumps of 30 seconds delayed free fall prior to opening parachute 3 jumps of 40 seconds delayed free fall prior to opening parachute 1 night free fall jump
2. Personnel other than PRs must hold NEC 53XX to be assigned NEC.

9559 Engineering Bulk Fuel Systems (Shore) Technician
Operates valves, manifolds, pumps, and other petroleum transfer storage and reclamation equipment. Performs routine preventive and corrective maintenance on petroleum transfer, storage, and reclamation equipment, and facilities. Measures and draws samples from stored petroleum products. Reads meters and gauges to determine proper operation and completion of petroleum transfers. Observes all required safety precautions when handling petroleum products. Operates fire fighting equipment and personnel protective and safety equipment common to petroleum storage facilities. Inspects product samples for signs of product deterioration or contamination. Performs basic quality surveillance tests. Reports and controls oil spills.

Source Rating:	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E7
Course: Course Mandatory	CIN: K-821-2145	CDP: 254G
Sequence Code: 4	RBTR: R-821-2145-01	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: NAVPETOFF	Technical Advisor: NAVAIR, NAVFACENG, NAVSEA	ECM: N13

NOTES:
1. In lieu of applicable course, personnel completing a regular duty assignment at a shore bulk facility may be recommended for this NEC. (For inactive duty select reserve (SELRES) personnel, the term regular duty assignment refers to drills, Annual Training (AT), and Inactive Duty Training and Travel (IDTT)). Specific OJT and experience must be documented in the EPMAC 1221/2 and sent to EPMAC (Code 49) via the CO, Navy Petroleum Office, Cameron Station, Alexandria, VA 22314. The CO, Navy Petroleum Office will provide final adjudication based upon personnel qualifications.
2. NEC normally assigned to active duty personnel in the ABF, MM, EN, HT, and UT ratings.
3. NEC normally assigned to inactive duty SELRES in the above ratings as well as in the following: AD, AE, BM, EM, MM, MR, BU, CE, CM, EO, and SW.
4. NEC normally assigned to active duty personnel in paygrade E5 through E7 per Chapter IV of NEC manual. NEC normally assigned to inactive duty SELRES in paygrades E4 through E8.

9562 Deep Submergence Vehicle Operator
Performs as an operator of a manned, self-propelled, noncombatant, deep submergence vehicle, including DSV's, DSRV's, Submarine NR-1, and USS DOLPHIN (AGSS 555). Operates all installed equipment and controls movements of vehicles in water column.

Source Rating:	Billet Paygrades: E6-E9	Personnel Paygrades: E3-E9
Course: OJT	CIN:	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 9563	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N13

NOTES:
1. NEC may be earned either by formal training or by OJT.
2. Normally assigned to DS, EM, ET, IC, MS, MM, SK, STS and YN personnel.
3. Personnel must be qualified in submarines.
4. Personnel must have successfully completed a formal certification program established by the type commander.
5. Personnel assigned to Submarine NR-1 and USS DOLPHIN (AGSS 555) must successfully qualify as Officer of the Deck to earn this NEC. Others must qualify as pilot of the DSV/DSRV.

9563 Deep Submergence Vehicle Crewmember
Performs duties as a crewmember of a manned, self-propelled, non-combatant, deep submergence vehicle, including DSV's, DSRV's, Submarine NR-1, and USS DOLPHIN (AGSS 555). Operates and performs organizational level maintenance on all rating oriented equipment aboard the vehicle.

Source Rating:	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E9
Course: OJT	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N13

NOTES:
1. NEC may be earned by either formal training or by OJT.
2. Normally assigned to BM, DS, EM, ET, MM, MS, SK, STS, and YN personnel.
3. Personnel will normally be qualified in submarines.
4. Personnel must successfully complete existing requirements to re-qualify in submarine for their assigned vehicle.

9566 Naval Control of Shipping Staff Assistant
Performs duties related to naval control of shipping functions on the staff of convoy commodores and operational control authorities and at individual activities of the Naval Control of Shipping Organization (NCSORG).

Source Rating:	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course:	CIN:	CDP:
Sequence Code: 7	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CMSC	Technical Advisor: NAVSEA	ECM: COMNAVRESFOR

NOTES
1. This NEC is awarded to Selected Reserve (SELRES) personnel only and will not be used to identify active duty personnel or billets.
2. Awarded to E7 and above.
3. Personnel must have successfully completed course J-8C-0523 (prior to 01 Oct 93) or J-1B-2504 and either J-1B-0526, J-1B-0528, or J-8C-0523, taught at Fleet ASW Training Center, Atlantic, Norfolk, Virginia.
4. Personnel must have participated in a Naval Control of Shipping (NSC) exercise while on Annual Training (AT).

9570 Stevedore
Trains personnel in the technical skills of shipboard stevedoring aboard Merchant vessels. Performs duties involved in loading or discharging Merchant shipping used to support Naval Operations that include hatch tending hold stowing winch operation MHE operation lashing, rigging, and other associated duties.

Source Rating:	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: G-060-2010	CDP: 849M
Sequence Code: 5	RBTR:	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA, NAVSUP, NAVFACENG	ECM: N13

NOTES:
1. NEC may be assigned after one year of experience in either a Mobile Cargo Handling Unit such as the Navy Cargo Handling and Port Group or a Reserve Cargo Handling Battalion and upon completion of formal training.
2. NEC is used primarily to identify requirements and pretrained augmented personnel necessary to support the CNO Special Augmentation Plan (OPNAVINST 5440.73 Series).

9571 Safety Technician
Assists the collateral or primary duty Safety Officer or Safety Manager in coordinating the implementation of the Navy Occupational Safety and Health (HAVOSH) Program, Traffic Safety Program, and Recreational, Athletics, and Home Safety Program. Performs administrative and record keeping functions in support of the command safety organization. Identifies hazards, unsafe work practices, and health hazardous conditions. Assists in the evaluation of workplace hazards, including periodic workplace monitoring. Prepares various safety and mishap reports, maintains hazard abatement program documentation, and aids in mishap investigations. Arranges or conducts indoctrination and periodic NAVOSH and safety training. Disseminates NAVOSH and safety program information throughout the chain of command.

Source Rating:	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: OJT	CIN:	CDP:
Sequence Code: 7	RBTR:	NR Ind: R
Component NEC:	Related NEC: 6021	Open to Women: Yes
Primary Advisor: CNO N09F	Technical Advisor: N09F	ECM: N13

NOTES:
1. NEC may be earned upon completion of:

a. Naval Safety Supervisor Correspondence Course, NAVEDTRA 12971.
b. Completion of at least TWO of the following:
1. The Navy Environmental Health Center (NEHC) Workplace Monitoring course.
2. Safety Program Afloat PQS, NAVEDTRA series, Watchstation 301 - Divisional Safety Petty Officer.
3. Safety Program Afloat Course (J-493-2099).
4. Introduction to Navy Occupational Safety and Health (ASHORE) (A-493-0050). Waiver request for course A-493-0050 may be submitted if Introduction to Safety Science S-101, previously conducted by Indiana University, was completed prior to October 1993.
c. Command recommendation.

2. NEC is open to any rating, paygrade E-5 and above.
3. Submit EPMAC 1221/2 to EPMAC (Code 49) with Commanding Officer's endorsement and copies of documentation reflecting the course of instruction completed.

9573 SNAP II Ship System Coordinator

Responsible for implementation operation and maintenance of the SNAP System II. Coordinates shipwide use of SNAP II with Functional Area Supervisor (Maintenance Supply/Financial Administration/word Processing) hardware maintenance personnel and other users. Additional responsibilities include establishment of usage priorities and system security procedures; user training and scheduling/accomplishing preventive and corrective maintenance.

Source Rating:	Billet Paygrades: E6-E9	Personnel Paygrades: E6-E9
Course: Course Mandatory	CIN: .	CDP:
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC: 9517	Related NEC:	Open to Women: Yes
Primary Advisor: NAVSUP OP4	Technical Advisor: NEXCOM	ECM: N13

NOTE: This NEC can also be earned during initial shipboard SNAP II instruction by attending the NAVMASSO Ship System Coordinator Implementation Training Course. Submit NAVPERS 1221/1 with supporting documentation to EPMAC Code 50.

9575 Correctional Custody Specialist Ashore

Performs specialized correctional duties at naval places of confinement including responsibility for the security control supervision support health and care of prisoners and awardees; security operations of sally ports control centers cell blocks dormitories and perimeter security posts; and movement of awardees/detainees/prisoners within and outside places of confinement. Supervises awardees in a non-incarcerative setting providing leadership and guidance by instruction and by example. Is knowledgeable of correctional programs and administration as practiced in both the brig and correctional custody unit environments. Has ability to supervise both brig prisoners and detainees and correctional custody unit awardees while applying the level of control supervision and guidance appropriate to each. Performs such other duties as area shakedown strip and frisk searches escorting tool and key control and disaster fire disturbance and riot control.

Source Rating:	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: A-831-0001	CDP: 572B
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: Pers-84	Technical Advisor: Pers-84	ECM: N13

NOTES:
1. To be assigned this NEC, personnel must meet selection screening criteria set forth in Chapter 9 of the Enlisted Transfer Manual (NAVPERS 15909C).
2. This NEC applies to all non-MA personnel. MAs will be awarded NEC 2008.

9579 Chief of the Boat (All Submarines)

Performs duties as the principle enlisted advisor to the Commanding Officer in order to keep the command aware of existing or potential situations, procedures, and practices which affect the welfare, morale, job satisfaction and utilization of its enlisted members. As such, the Chief of the Boat reports directly to the Commanding Officer, orally and/or by written report. The Chief of the Boat is the Command Master/Senior Chief. In addition, the Chief of the Boat is the Administrative Assistant to the Executive Officer supervising certain activities affecting the crew as a whole.

Source Rating:	Billet Paygrades: E8-E9	Personnel Paygrades: E8-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 2	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: No
Primary Advisor: CNO N779	Technical Advisor: Pers-403	ECM: N13

NOTES:
1. Commanding officers must periodically review the performance of personnel assigned this NEC for purpose of NEC quality control.
2. Completion of Senior Enlisted Academy (CIN/CDP: P-920-1301/960F) required in conjunction with assignment to 9579 NEC billet.
3. Completion of regional Command Master Chief Course using the NAVEDTRA 38204-A, Student’s Source Book is required.

9580 Command Master Chief

Performs as the principle enlisted advisor to their respective commander/commanding officers under the provisions of OPNAVINST 1306.2 (series).

Source Rating:	Billet Paygrades: E9-E9	Personnel Paygrades: E9-E9
Course: Course Mandatory	CIN:	CDP:
Sequence Code: 2	RBTR: R-002-0000-06, R-002-0000-07	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N00D	Technical Advisor: NETC-30	ECM: N13

NOTES:

1. NEC is assigned to personnel in paygrade E-9 with two years time in distributable NEC 9580. Submit NAVPERS 1221/1 to BUPERS (Pers-40FF).
2. Qualification for NEC is based on successful screening by CHNAVPERS.
3. Commanding officers must periodically review the performance of personnel assigned NEC 9580 for purposes of NEC quality control.
4. Completion of Senior Enlisted Academy (CIN/CDP: P-920-1301/960F) is required in conjunction with assignment to 9580 NEC billet.
5. Completion of regional Command Master Chief Course using the NAVEDTRA 38204-A, Student's Source Book is required.

9581 Rubber and Plastics Worker

Fabricates and repairs rubber and plastic parts of equipment. Formulates, compounds, and processes rubber and plastic to obtain required characteristics. Operates various types of mixing, heating, molding, pressing, shaping, and related machinery to repair, replace, or modify rubber or plastic items. Performs routine maintenance on ship machinery.

Source Rating:	Billet Paygrades: E4-E8	Personnel Paygrades: E3-E9
Course:	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N43	Technical Advisor: NAVSEA	ECM: N13

NOTE: NEC may be earned through Commanding Officer's recommendation upon completion of:

a. One year's experience at an IMA rubber and plastics shop, or
b. The appropriate SQIP course and proficiency examination.

9583 Locksmith

Repairs locks, changes lock combinations, opens doors and safe locks, and makes new or duplicate keys. Takes apart padlocks, door and safe locks, and other types of locks using various handtools including screwdrivers, cold chisels, and hammers. Repairs or replaces tumblers, springs, and other parts. Opens door locks for which there are no keys. Opens safe locks by manipulating dial and listening to sound of tumblers or by drilling.

Source Rating:	Billet Paygrades: E4-E6	Personnel Paygrades: E3-E9
Course: OJT	CIN:	CDP:
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N43	Technical Advisor: NAVSEA	ECM: N13

NOTE: Seabee personnel assigned to the Naval Support Unit, State Department attend a two week formal training course, Safe and Lock Maintenance course, given by the Diplomatic Security Service, Diplomatic Security Physical Security Laboratory, Newington, VA.

9585 Navy Recruiter Canvasser

Recruits individuals into the U.S. Navy and Naval Reserve. Possesses expertise in recruiting techniques and knowledge of recruiting textbooks and Navy enlistment programs and policies. Communicates and relates effectively with prospects, groups and the community. Possesses a basic knowledge of classification techniques.

Source Rating:	Billet Paygrades: E4-E9	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: R-501-0002	CDP: 388X
	S-501-0020	942H
	S-7C-2414	962H
Sequence Code: 8	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: NAVCRU	Technical Advisor: NAVCRU	ECM: N13

NOTE: Applicable training is conducted at Navy Recruiting Orientation Unit, Pensacola, FL as well as Recruiting Training Orientation, New Orleans, LA as directed by COMNAVCRUITCOM/CNAVRES.

9586 Navy Recruiting District (NRD) Recruiter/Classifier

Performs as classification interviewer at Navy Recruiting Districts. Interviews applicants for enlistment to determine optimal program utilizing the Personalized Recruiting for Immediate and Delayed Entry (PRIDE) System. May have signature authority to assign applicants to programs as authorized by the Navy Recruiting District Command Officer.

Source Rating:	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: S-501-0031	CDP: 945P
Sequence Code: 8	RBTR:	NR Ind: R
Component NEC: 9585	Related NEC:	Open to Women: Yes
Primary Advisor: NAVCRU	Technical Advisor: NAVCRU	ECM: N13

NOTE: NEC is assigned upon completion of NRD Recruiter/Classifier course (CIN S-501-0031) at Navy Recruiting Orientation Unit, Pensacola, FL.

9588 Career Information Program Advisor

Advises and assists commands and the Career Information Program Manager in organizing and implementing a career information program for officer and enlisted personnel. Ensures individual and other family members are presented information concerning career opportunities, transition services and benefits, reenlistment incentives, rights and benefits, and advantages of a Navy career.

Source Rating:	Billet Paygrades: E6-E8	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: A-501-0011	CDP: 3192, 477B
Sequence Code: 3	RBTR: R-501-0011-02	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: Pers-206	ECM: N13

NOTE: NEC is not awardable to NC personnel.

9590 Support Equipment Asset Manager

Manages aviation support equipment (SE) asset inventories as set forth by the Naval Aviation Maintenance Program and the Aircraft Maintenance Material Readiness List Program. Manages SE assets at the aircraft organizational and intermediate levels of maintenance afloat and ashore, naval air training activities, naval aviation depots, and aviation wings. Uses logistic management techniques, supply procedures, technical publications, and automated data processing equipment to conduct, reconcile, and report SE asset inventories; acquire and dispose of SE assets; train subordinate SE asset managers and conduct liaison with support equipment controlling authorities.

Source Rating: AD AE AK AM AME AMH AMS AO AT AS AZ, SK

	Billet Paygrades: E5-E7	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: D-555-0026 E-555-0026	CDP: 571X, 2165 448T, 384V, 3674, 206N
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N789	Technical Advisor: NAVAIR	ECM: N13

9594 Intermediate Maintenance Activity (IMA) Nuclear Worker

Qualified as a worker at an IMA Nuclear Repair work center (Shop 38N) or Nuclear Power Training Unit (NPTU) Maintenance Training Group (MTG).

Source Rating: MM EM HT MR ET IC EN	Billet Paygrades: E4-E9	Personnel Paygrades: E4-E9
Course: Course Mandatory	CIN: S-661-1025	CDP: 946C
Sequence Code: 3	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769, N879	Technical Advisor: NAVSEA	ECM: N13

9595 Hazardous Material Control Management Technician

Performs duties associated with Hazardous Material Control and Management. Performs Hazardous Material Control planning and management of material handling equipment. Responsible for inventorying, receiving, transferring, and properly turning in all hazardous waste from all Navy commands.

Source Rating:	Billet Paygrades: E5-E9	Personnel Paygrades: E5-E9
Course: Course Mandatory	CIN: A-322-2600 , A-332-260	CDP: 438D, 592X , 5575
Sequence Code: 3	RBTR: R-322-2600-01, R-322-2600-02 R-602-0485-02	NR Ind: A
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N45	Technical Advisor: NAVSUP	ECM: N13

9597 Radiac Technician
Performs organizational and/or intermediate level maintenance on radiac equipment aboard tender or radiac repair facility. Employs procedures that conform to the standards for protection against radiation hazards as promulgated by the United States Atomic Energy Commission in the Code of Federal Regulations, Chapter I, Title 10.

Source Rating:	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E9
Course: Course Mandatory	CIN: A-670-0020	CDP: 581N
Sequence Code: 5	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA	ECM: N13

9598 Disaster Preparedness Operations and Training Specialists
Advises command on how to integrate into the normal command organization the functions necessary to prepare for, defend against, and recover from major accidents, natural and man-made disasters; assists in the coordination with local, civic authorities on disaster response operations; conducts training for nuclear, biological, and chemical (NBC) warfare defense to include hazard awareness, individual protection, decontamination, and mission restoration; performs organizational maintenance on NBC defense equipment; uses equipment complying with procedures required by Nuclear Regulatory Commission license.

Source Rating:	Billet Paygrades: E5-E8	Personnel Paygrades: E5-E8
Course: Course Mandatory	CIN: A-494-0006	CDP: 437L
Sequence Code: 4	RBTR: R-495-0006-01	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N769, N889, N879,	Technical Advisor: NAVFACENG	ECM: N13

Note: No new assignment of this NEC to E3-E4 personnel. E3-E4 personnel who currently hold this NEC may retain their NEC.

ELECTRONICS TECHNICIAN

ET-9602 Amphibious Air Traffic Control (AATC) Radar Technician (AN/SPN-43C)
Performs organizational and/or intermediate level maintenance on radar, including the SPN-35 CCA radar. Makes power output checks and minimum discernible signal tests. Checks standing wave ratio. Inspects and locate faulty waveguide and transmission line sections. Aligns RF, IF and video amplifier circuits, troubleshoots, localize and replaces faulty components and parts to restore equipment to optimum operating condition.

Source Rating: ET	Billet Paygrades: E3-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: C-103-2116	CDP: 708G
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N6P	Technical Advisor: NAVAIR	ECM: N132D5

ET-9603 Inertial Measuring Unit (IMU) Technician
Repairs and maintains the AN/WSN-3A(V)2 Electronically Suspended Gyro Navigator (ESGN) and the AN/WSN-3A(V)2 ESGN Inertial Measuring Unit (IMU).

Source Rating: ET	Billet Paygrades: E6-E7	Personnel Paygrades: E5-E8
Course:	CIN:	CDP:
Sequence Code: 4	RBTR:	NR Ind: A
Component NEC: 14TG, 14TK	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: NAVSEA, SPAWAR, SECGRU	ECM: N132D5

ET-9604 JTIDS Shipboard Terminal Maintenance Technician
Performs organizational level maintenance on the AN/URC-107(V)7. Uses built-in test (BIT) to identify the faulty Weapon Replaceable Assembly and an enhanced BIT capability to isolate the Shop Replacement Assembly (SRA).

Source Rating: ET	Billet Paygrades: E4-E7	Personnel Paygrades: E3-E7
Course: Course Mandatory	CIN: A-101-0148	CDP: 577N
Sequence Code: 4	RBTR:	`NR Ind: N
Component NEC: 1427	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N61	Technical Advisor: SPAWAR	ECM: N132D5

ET-9605 Naval Modular Automated Communications Systems II (NAVMACS II) Maintenance Technician
Performs preventive and corrective maintenance on the AN/SYQ-7A(V) NAVMACS II system.

Source Rating: ET
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N61

Billet Paygrades: E4-E6
CIN: A-101-0266
RBTR:
Related NEC:
Technical Advisor: SPAWAR

Personnel Paygrades: E3-E6
CDP: 478U, 478V
NR Ind: A
Open to Women: Yes
ECM: N132D5

ET-9606 Carrier Air Traffic Control (CATC) Radar Technician (AN/SPN-43C)
Performs organizational and/or intermediate level maintenance on radar. Makes power output checks and minimum discernible signal tests. Checks standing wave ratio. Inspects and locates faulty waveguide and transmission line sections. Aligns RF, IF, and video amplifier circuits for malfunctions, diagnoses symptoms and isolates, localizes and replaces faulty components and parts to restore equipment to optimum operating condition.

Source Rating: ET
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N789

Billet Paygrades: E3-E9
CIN: C-103-2117
RBTR:
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E9
CDP: 708H
NR Ind: R
Open to Women: Yes
ECM: N132D5

ET-9607 High Frequency Radio Group (HFRG) Maintenance Technician
Performs organizational level preventive and corrective maintenance on AN/URC-( ) HFRG systems.

Source Rating: ET
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N6T

Billet Paygrades: E4-E7
CIN: A-101-0248
RBTR:
Related NEC:
Technical Advisor: SPAWAR

Personnel Paygrades: E3-E7
CDP: 478T
NR Ind: A
Open to Women: Yes
ECM: N132D5

ET-9608 Radar Technician (AN/SPS-67(V)3)
Performs organizational and/or intermediate level maintenance on radar. Makes power output checks and minimum discernible signal tests. Checks standing wave ratio. Inspects and locates faulty waveguide and transmission line sections. Aligns RF, IF, and video amplifier circuits for malfunctions, diagnoses symptoms and isolates, localizes and replaces faulty components and parts to restore equipment to optimum operating condition.

Source Rating: ET
Course: Course Mandatory
Sequence Code: 5
Component NEC:
Primary Advisor: CNO N769

Billet Paygrades: E4-E7
CIN: A-104-0215
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E3-E7
CDP: 006H
NR Ind: R
Open to Women: Yes
ECM: N132D5

ET-9610 Radar (AN/SPS-49A(V)) Technician
Performs organizational and/or intermediate level maintenance or radar. Makes power output checks and minimum discernible signal tests. Checks standing wave ratio. Inspects and locates faulty waveguide and transmission line sections. Aligns RF, IF and video amplifier circuits for malfunctions, diagnoses symptoms and isolates, localizes and replaces faulty components and parts to restore equipment to optimum operating condition.

Source Rating: ET
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N769

Billet Paygrades: E4-E7
CIN: A-104-0222
A-104-0223
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E3-E7
CDP: 478W
312R
NR Ind: R
Open to Women: Yes
ECM: N132D5

ET-9611 AN/SSN-2(V)4 Maintainer
Performs organizational level maintenance on the AN/SSN-2(V)4 Precise Integrated Navigation System (PINS) equipment. Repairs AN/SSN-2(V)4 system components, replaces parts, and completes all planned maintenance requirements to restore the system to an operational status.

Source Rating: ET
Course: Course Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N769

Billet Paygrades: E3-E7
CIN: A-130-2568
RBTR:
Related NEC:
Technical Advisor: NAVSEA

Personnel Paygrades: E3-E7
CDP: 580N
NR Ind: R
Open to Women: No
ECM: N132D5

ET-9612 AN/WSN-7(V) Operations and Maintenance Technician
Operates and maintains the AN/WSN-7(V) in accordance with organizational level technical documentation. Performs normal and abnormal operations inport or at sea. Performs preventive and corrective maintenance using BITE and organizational documentation.

Source Rating: ET IC	Billet Paygrades: E4-E7	Personnel Paygrades: E4-E7
Course: Course Pending	CIN: A-670-2153	CDP: 2303
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC: 9603 4728	Open to Women: Yes
Primary Advisor: CNO N769	Technical Advisor: NAVSEA	ECM: N132D5

OCCUPATIONAL AREA - DEFENSE GROUPING

DG-9700 - DG-9780 Occupational Area-Defense Grouping NECs
See Chapter III for complete listing.

SPECIAL SERIES (TRAINING PROGRAM)

9901- Nuclear Propulsion Plant Operator Trainee

Source Rating:	Billet Paygrades: E3-E9	Personnel Paygrades: E3-E9
Course:	CIN: A-661-8888	CDP: 4045
Sequence Code: 4	RBTR:	NR Ind: R
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO N779	Technical Advisor: Pers-403F	ECM: N13

NOTE: Identifies personnel recruited or who have otherwise volunteered for nuclear propulsion training. BUPERSINST 1306.78 Series applies.

CB-9920 CONSTRUCTION BASIC VETERAN
An NEC provided to member's temporarily gained as a CB-VET for Naval Reserve only.

Source Rating: CM, EO,BU, EA, CE, SW, UT	Billet Paygrades: E3- E6	Peronnel Paygrades: E3-E6
Course:	CIN:	CDP:
Sequence Code: 1	RBTR:	NR Ind: N
Component NEC:	Related NEC:	Open to Women: Yes
Primary Advisor: CNO (N4)	Technical Advisor: COMNAVRESFOR	ECM: N132D16

CHAPTER V

PLANNING SERIES NECS

Planning NECs are approved for planning purposes only. These NECs may be used in conjunction with Navy Training Plans, in developing planned training courses, and other applicable long-range projects. Planning NECs may be written in manpower authorizations to project requirements and used for other planning purposes; however, they are not assigned to personnel.

NEC CODE	TITLE	BILLET PAGRADES MIN - - MAX	READY FOR TRAINING DATE DD/MM/YY	POINT OF CONTACT
STG-0469	AN/SQQ-89(V) General Theory and Enhanced Maintenance Aids Level II Technician	E4-E9	01/03/01	PEO PMS411
STG-0476	AN/SQQ-89(V) 10 Surface Ship ASW Combat System Sensor Maintenance	E4-E9	08/10/98	NAVSEA
STG-0508	AN/SQQ-89(V) 14 Sonar System Level I Technician	E3-E9	01/05/01	PEO PMS411
STG-0509	AN/SQQ-89(V) Adjunct Subsystem Level II Technician	E4-E9	04/01/98	NAVSEA
STG-0516	AN/SQQ-89(V) 14 Underwater Fire Control System Operator	E5-E9	01/01/01	PEO PMS411
ST-0519	SSN 774 CLASS C3I SONAR, COMBAT CONTROL, & ARCHITECTURE (S/CC/A) EQUIPMENT OPERATOR	E1-E6	01/10/05	
ST-0520	SSN 774 CLASS C3I SONAR, COMBAT CONTROL, & ARCHITECTURE (S/CC/A) EQUIPMENT TECHNICIAN	E1-E6	01/10/05	
FT-1329	SSN 774 CLASS C3I SONAR, COMBAT CONTROL, & ARCHITECTURE (S/CC/A) EQUIPMENT OPERATOR	E1-E6	01/10/05	
FT-1330	SSN 774 CLASS C3I SONAR, COMBAT CONTROL, & ARCHITECTURE (S/CC/A) EQUIPMENT TECHNICIAN	E4-E7	01/10/05	
ET-14BH	NSSN Electronic Support Measures Equipment Maintenance Technician	E5-E8	01/10/05	PEO PMS450
ET-14NP	NSSN Navigation and Ships Electronic Equipment Technician	E5-E8	01/10/05	PEO PMS450
MM-4234	VIRGINIA Advanced Auxiliary Equipment Technician	E4-E7	01/10/05	PEO PMS450
EM-4641	NSSN Integrated Low Pressure Electrolyzer Equipment Technician	E4-E7	01/10/05	PEO PMS450
IC-4754	Oxygen Generating Plant Electrical/Electronic Maintenance Technician	E4-E9	ON LINE	NAVSEA
ET-9613	Command High Bandwidth Data Link-Shipboard Terminal (CHBDL-ST) Mainenance Technician	E4-E6	01/01/98	NAVSEA

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APPENDIX A

NEC PROPOSALS

A. INTRODUCTION

This Appendix instructions provides on how to prepare and submit recommendations for *establishing*, *deleting*, or *revising* Navy Enlisted Classification (NEC) Codes. NAVMAC processes all changes to the NEC system. Send recommendations via your chain of command and Primary Advisor (i.e., CNO N20, N43, N6, N869, N879, N889) to: Commanding Officer, Navy Manpower Analysis Center (Code 12) Naval Support Activity Memphis, Millington, TN 38054-5056 . Please note that although technical merit is a primary consideration in a NEC proposal, NEC actions will always be finalized in light of resources, programming, and personnel management implications.

B. METHODOLOGY FOR ESTABLISHING NECS

1. The ***Navy Enlisted Occupational Classification System (NEOCS)*** Board will review and decide upon all new NEC proposals. NAVMAC is responsible for Board administration and technical assistance in developing and implementing changes to the enlisted classification system. OPNAVINST 1223.1 series details NEOCS Board composition and responsibilities. The NEOCS Board is a standing board made up of members representing the following commands:

CNO N4J	CNO N6T	CNO N76
CNO N77	CNO N78	CNO N95
CNO N12	CNO N13	CNO N732
NPC-4	NPC-9	*NPC-3
CINCPACFLT	CINCLANTFLT	CNET
*COMNAVFACENGCOM	*COMNAVSEASYSCOM	*COMNAVSUPSYSCOM
*COMNAVAIRSYSCOM	*COMNAVCOMTELCOM	*COMSPAWARSYSCOM
*BUMED (CNO N093)	*COMNAVSPECWARCOM	*COMNAVOCEANCOM
*COMNAVSECGRU	*NPC-64	*DIRSSPO
*CHINFO	*COMNEXCOM	*COMNAVCRUITCOM
*EPMAC	*MCPON	

*Board members as designated for attendance based on topic under review. Fleet commander representatives also provide inputs from fleet units on NEOCS Board issues.

2. ***Criteria for Establishing NECs***. The NEOCS Board reviews all requests for new NECs considering following technical criteria:

a. The NEC must not duplicate Occupational Standards.

b. Skill identification needs must be long term.

c. Skill identification must be applicable to both billets and people.

d. The proposed NEC must not reflect routine fleet training.

e. There must be a need to document the skill in the Enlisted Master Record (EMR).

f. The skill identification must be necessary throughout the Navy.

g. The proposed NEC must reflect workload required to support new equipment.

Note: A good rule when drafting or reviewing new NEC requests is to justify the Navy's need to identify a skill over five to ten years.

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3. ***NEC Establishment***.

a. *Rating Series, Special Series, Alphanumeric NECs*. Figure 1 identifies the information and format required to establish a Rating Series, Special Series, or Alphanumeric NEC. Submit recommendations to establish a NEC code 180 days before the date the NEC is to be awarded, i.e., 180 days before completion of initial course/factory training. Requests which involve mandatory training should address resource implications.

b. *Planning NECs*. Figure 1, paragraphs 1.a., c., g., j., p., q., and s. identify the information and format required to establish a Planning NEC. Submit recommendations to convert Planning NECs to Rating Series, Special Series, or Alphanumeric NECs 180 days before the date the NEC is to be awarded, (i.e., 180 days before completion of initial course/factory training).

Note: Submit requests for all NECs (including Planning NECs) via the Primary Advisor. See Chapter IV, NEC descriptions, for Primary Advisors. Copy to EPMAC (Code 49).

4. ***NEC Cancellation***. All recommendations to cancel a NEC code must state the reason or rationale for cancellation and any required billet or personnel recoding action. Use standard Naval letter format when submitting requests for NEC cancellation.

5. ***NEC Revision***. All recommendations to revise a NEC code must identify the proposed change and state the reason or rational for the revision. Revisions which involve a change from OJT to course mandatory training also should address resource implications. Use standard Naval letter format when submitting requests for NEC revisions.

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From: Name of activity submitting proposal
To: Commanding Officer, Navy Manpower Analysis Center (Code 12), NSA Memphis, Millington, TN 38054
Via: (1) Chain of command
(2) (See Chapter IV, NEC descriptions for Primary Advisor.)

Subj: PROPOSAL TO ESTABLISH A NAVY ENLISTED CLASSIFICATION (NEC) CODE

Ref: (a) NAVPERS 18068F, Volume II (NECs)
(b) List references that relate to this proposal

1. Request establishment of a new NEC code per reference (a).

a. NEC Code and title. Recommend a NEC code number and a title. Use the rate abbreviation and the first two digits of the proposed code and two Xs (e.g., ET-14XX).

b. Sequence Code. Recommend a sequence code for prioritizing the NEC on the Enlisted Master Record. See Chapter I paragraph C.4 for sequence code discussion.

c. Description. Describe the proposed NEC--identify the job to be done--particularly what skill the NEC provides that is not associated with a rating.

d. Source rating(s). List the rating(s) associated with the NEC (e.g., BM only, BM and SM, or BM, QM, SM, GM).

e. Component NEC. Identify any prerequisite skill(s) (Component NEC) that a member must have before earning the proposed NEC, if any.

f. Related NEC. Identify existing NEC(s) similar in scope to the proposed NEC (Related NEC), if any.

g. Training. List the training needed to earn the proposed NEC.
(1) Identify whether the NEC will be awarded through formal training or through OJT.
(2) State whether the course is new or on-going. If new, state the ready-for-training date.
(3) List CIN/CDP when a formal training course is required. If CIN/CDP is unknown, list training as "under development."
(4) List the length of training (in days).
(5) Any establishments, revisions etc., to CIN/CDP should be address to CNET.

Note: Unless otherwise directed, the originator of a request for establishment of a NEC is responsible for ensuring entry of proper course data into the Navy Integrated Training Resource and Administration System (NITRAS) as an integral part of the process.

h. Number of Billets. Identify the approximate number of billets requiring the NEC.

i. Personnel Paygrade. Identify the paygrade range for personnel who will hold the NEC (e.g., E-4 through E-5, E-6 through E-9).

j. Billet Paygrade. Identify the paygrade range for billet identified with this NEC (e.g., E-4 through E-5, E-6 through E-9).

k. Special Qualifications. Identify special qualifications associated with the NEC. For example, a security clearance, 20/20 vision, certification. For example, a security clearance, 20/20 vision, certification.

l. Skill Identification. Indicate whether the proposed skill (NEC) currently exists as part of a rating or another NEC.

m. Assignment (Open/Close). Indicate whether the proposed NEC is "Open" or "Closed" to Women.

n. Inactive Duty Select Reservists. Identify the applicable inactive duty Selected Reserve (SELRES) category for the NEC from the following listing and provide supporting rationale. Coordinate your recommendation with CNO (N951G).

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Category "A"The NEC is attainable by SELRES, and is therefore assignable to SELRES personnel and manpower requirements with no restrictions. SELRES are able to complete training for the NEC within three years of normal inactive duty training cycles of 48 regular drills and two weeks Annual Training (AT) per year (Training Category (TRC) A). The NEC can be earned by the following means:

- Active Duty formal training courses that have not been modified or segmented into modules for SELRES applications,

- Segmented or modularized formal training courses that may be completed within three years of normal TRC A training cycles (Note 1),

- Specific civilian training/certification (Note 2), or

- On-the-job training (OJT) that can be completed with three years of normal TRC A training cycles (Note 2).

Additionally, NECs are assignable to SELRES manpower requirements if the formal courses of instruction that award the NEC will be modified to facilitate SELRES completion of all requirements for the NEC within three years of normal TRC A training cycles. The requirements for periodic recertification/requalification for the NEC cannot exceed a normal, annual TRC A training cycle (Note 1).

Category "R"

The NEC cannot normally be attained by SELRES within three years or normal TRC A training cycles however, is assignable with restrictions to SELRES manpower requirements if SELRES already holding a NEC in this category can maintain periodic recertification/requalification required for the NEC within a normal, annual TRC A training cycle (Note 3).

Category "N"

The NEC is not assignable to SELRES personnel or manpower requirements because periodic recertification/requalification for the NEC cannot be maintained by a SELRES during a normal, annual TRC A training cycle. Programming of SELRES manpower requirements with these NECs is not authorized (Note 4).

Note 1: A formal training course that awards the NEC or maintains recertification/requalification may be segmented into modules if recommended by COMNAVRESFOR (Code 04), approved by CNO (N7/CNET) and certified to be funded for segmentation by the appropriate OPNAV resource sponsor. If the Training Agent certifies that the training course will be on line within one year, assignment of the NR IND of A is allowed.

Note 2: NECs will be awarded to SELRES personnel upon completion of civilian training courses leading to the awarding of a certificate, diploma or license, and for the completion of OJT when a waiver of formal training requirements has been requested and obtained from the appropriate Training Agent.

Note 3: NAVMAC (Code 50) will limit the number of SELRES manpower requirements with "R" NECs in the Total Force Manpower Management System (TFMMS) to 125% of the number of SELRES personnel in inventory holding the NEC. Requirements will be reviewed annually to ensure they do not exceed this limit, and reprogramming actions directed where necessary.

Note 4: NAVMAC (Code 50) will direct management actions to eliminate or preclude establishment of SELRES manpower requirements with "N" NECs.

Note 5: COMNAVRESFOR will annually review and coordinate the update of all SELRES NEC categories with appropriate NEC Advisors.

o. Directives. Identify special directives associated with the NEC, such as instructions or manuals.

p. Justification. Explain the purpose of the proposed NEC. Be specific as possible.

q. Platform/Equipment. Identify the new platform(s) and/or equipment the proposed NEC will support.

1. Identify the "phase in" period for new platform(s), equipment, and training.

2. Is the proposed NEC replacing an existing NEC? If yes:

.

a) when is the old platform(s) or equipment no longer in service; and

b) identify the date the NEC being replaced may be deleted.

r. Point of Contact. Identify the name and telephone number of a person knowledgeable about the proposed NEC.

s. Occupation Standards. When requesting establishment of a Rating Series NEC, indicate whether the proposed NEC does or does not duplicate existing Occupational Standards for the rating involved, NAVPERS 18068F, Volume I identifies rating specific occupational standards.

t. Workload Measurements. When requesting the establishment of a NEC, identify workload levels for each new equipment. The work may be generated either by watch station requirements, Planned Maintenance (PM), Corrective Maintenance (CM), or by other specific mission essential elements. The work could be supported by any combination of the preceding types of workload.

Notes:
1. Paragraph t. is applicable for NECs proposed to support new equipment.
2. Each new skill code shall be evaluated by CNO (N122) when the equipment or system is fully developed.

Authorized Signature

Copy to:
Commands that have an interest
in this proposal

NAVY ENLISTED CLASSIFICATION (NEC) CHANGE REQUEST

REFERENCE NAVPERS 18068F VOLUME II

TO:	SERIAL:	DATE:
VIA:	1. SOCIAL SECURITY NUMBER:	
FROM:	2. NAME (LAST, FIRST, MI):	
	3. RATE/RANK:	4. UIC:

5. COMPONENT: **(IF USNR, COMPLETE BLK. 6)**

6. RESERVE CLASSIFICATION:

	USN		**USNR**		**TAR**		**SELRES**		**OTHER**

7. NEC ACTION REQUEST: ***(JUSTIFY ACTION REQUESTED IN BLOCK 9)***

	AWARD NEC		**REMOVAL**		**WAIVER**

8. NEC(S) REQUESTED: ***(INCLUDE SUPPORTING DOCUMENTATION WITH REQUEST)***

_____ _____ _____ _____ _____

	-				-					-		

R-TRACK (USNR-R ONLY)

9. AMPLIFYING REMARKS:

10. SIGNATURE OF CERTIFYING OFFICER	11. DATE	12. DSN PHONE	13. COMMERCIAL PHONE ( )
14. EMAIL ADDRESS		15. DSN FAX	16. COMMERCIAL FAX ( )

17. FIRST ENDORSEMENT (FOR USE BY "VIA" COMMAND ONLY)

FROM: _____

☐ FORWARDED RECOMMENDING APPROVAL

☐ FORWARDED RECOMMENDING DISAPPROVAL

SIGNATURE DATE

ACTION TAKEN BY EPMAC/NRPC

	APPROVED EFFECTIVE DATE	
	DISAPPROVED (SEE ATTACHMENT)	
	RETURNED WITHOUT ACTION (SEE ATTACHMENT)	SIGNATURE DATE

(BLOCK BY BLOCK INSTRUCTIONS ON REVERSE SIDE)

EPMAC 1221/2

INSTRUCTIONS FOR COMPLETION OF EPMAC 1221/2

THE USE OF THIS FORM IS RESTRICTED TO NAVAL ACTIVITIES REPORTING NAVY ENLISTED CLASSIFICATION (NEC) DATA FOR INCLUSION INTO THE ENLISTED ASSIGNMENT INFORMATION SYSTEM.

FORWARD REQUEST TO:

USN/USNR(TAR)

COMMANDING OFFICER
EPMAC CODE 51
NEW ORLEANS LA 70159-7900

COMM: (504) 678-5491 FAX: (504) 678-1616
DSN: 678-5491 678-1616
EMAIL: EP51@EPMAC.NOLA.NAVY.MIL

USNR-R (SELRES)

COMMANDING OFFICER
NAVAL RESERVE PERSONNEL CENTER CODE 201E
NEW ORLEANS LA 70149-7800

COMM: (504) 678-1859 FAX: (504) 678-5470
DSN: 678-1859 678-5470
EMAIL: WOELKEH@NRPC.NOLA.NAVY.MIL

NOTE: (1) **USNR MUST GO "VIA" APPROPRIATE NAVAL RESERVE READINESS COMMAND/CENTER (FOR SURFACE ACTIVITIES) AND NAVAL RESERVE ACTIVITIES (NRA FOR AVIATION ACTIVITIES). USNR-R CLASSIFICATION COORDINATORS WILL COMPLETE BLOCK 14 PRIOR TO FORWARDING TO NAVAL RESERVE PERSONNEL CENTER (NRPC).**

BLOCK #

1 - 3 **MEMBER INFORMATION:**
SSN - SELF EXPLANATORY.
NAME - LAST NAME, FIRST NAME, MIDDLE INITIAL.
RATE/RANK - EXAMPLE: PN2, ATC

NOTE: (2) **IF SUBMITTING A REQUEST FOR THE SAME NEC BUT MORE THAN ONE MEMBER, ENTER "SEE ATTACHED" ON BLOCKS 1 AND 2, AND ATTACH A LIST WITH THE RATE, NAME & SSNs OF THE MEMBERS TO THE EPMAC 1221/2.**

4 **UIC** - COMMAND UNIT IDENTIFICATION CODE (UIC) TO WHICH MEMBER IS PERMANENTLY ATTACHED

5 **COMPONENT** - CHECK APPROPRIATE BOX

6 **RESERVE CLASSIFICATION** - MEMBERS OF USN LEAVE THIS BLANK. MEMBERS OF THE USNR CHECK APPROPRIATE BOX

7 **NEC ACTION REQUEST** - CHECK THE APPROPRIATE BOX. ONLY IDENTICAL TRANSACTIONS MAY BE REPORTED ON A SINGLE FORM. WHEN MULTIPLE ACTIONS ARE BEING RECOMMENDED FOR DIFFERENT REASONS, SEPARATE FORMS MUST BE SUBMITTED.

8 **NAVY ENLISTED CLASSIFICATION (NEC)** - THE NEC(S) FOR WHICH ACTION IS REQUESTED.

9 **AMPLIFYING REMARKS** - A BRIEF STATEMENT EXPLAINING WHY THE REQUEST IS BEING SUBMITTED. FOR "COI COMPLETION" NECS ANNOTATE THE COURSE IDENTIFICATION NUMBER THE MEMBER COMPLETED, AND ALSO INCLUDE SUPPORTING DOCUMENTATION WITH THE EPMAC 1221/2 IN ORDER TO EXPEDITE YOUR REQUEST.

10 **SIGNATURE OF CERTIFYING OFFICER** - AUTHORITY TO CERTIFY ROUTINE AWARD OF NECS MAY BE DELEGATED BY THE COMMANDING OFFICER OR OFFICER IN CHARGE. HOWEVER, NEC REMOVALS **MUST** BE CERTIFIED BY THE COMMANDING OFFICER OR OFFICER IN CHARGE.

11 **DATE** - DATE SIGNED BY CERTIFYING OFFICER

12 **DSN PHONE** - SELF EXPLANATORY

13 **COMMERCIAL PHONE** - SELF EXPLANATORY

14 **EMAIL ADDRESS** - SELF EXPLANATORY (FOR FASTER RETURN OF NEC REQUEST)

15 **DSN FAX** - SELF EXPLANATORY (FOR FASTER RETURN OF NEC REQUEST)

16 **COMMERCIAL FAX** - SELF EXPLANATORY (FOR FASTER RETURN OF NEC REQUEST)

17 **FIRST ENDORSEMENT** - THIS BLOCK IS TO BE USED ONLY BY THE "VIA" ADDRESSEE TO ANNOTATE THEIR RECOMMENDATION FOR APPROVAL/DISAPPROVAL OF THE NEC REQUEST. FOR NEC CHANGE REQUESTS OF USNR-R (SELRES) PERSONNEL THIS BLOCK WILL BE USED BY THE CLASSIFICATION COORDINATORS. EPMAC/NRPC ARE THE FINAL APPROVING AUTHORITY FOR NEC REQUESTS.

NOTE: (3) **EFFECTIVE DATE ON THE "APPROVED" BLOCK IS THE DATE THE NEC WAS AWARDED/REMOVED. ANNOTATE THE ENLISTED DISTRIBUTION VERIFICATION REPORT (EDVR) AND THE SERVICE RECORD PAGE 4 WITH THIS DATE.**

NOTE: (4) **ACTIVE - ALL NEC CHANGES SHOULD APPEAR ON YOUR NEXT COMMAND EDVR.**
RESERVE - ALLOW 7 TO 10 DAYS FOR CHANGES TO APPEAR ON YOU COMMAND RUAD.

NOTE: (5) **THIS FORM IS NOT TO BE USED FOR DISTRIBUTION NEC (DNEC) CHANGE PROPOSALS. FOR DNEC CHANGES, REFER TO THE DMRSMAN (EPMAC DOCUMENT 1080#1 UM-02)**.

PRIVACY ACT STATEMENT FOR EPMAC 1221/2 "NAVY ENLISTED CLASSIFICATION (NEC) CHANGE REQUEST"

THIS STATEMENT IS PROVIDED IN COMPLIANCE WITH THE PROVISIONS OF THE PRIVACY ACT OF 1974 (PL 93-579) WHICH REQUIRES THAT FEDERAL AGENCIES MUST INFORM INDIVIDUALS WHO ARE REQUESTED TO FURNISH INFORMATION ABOUT THEMSELVES AS TO THE FOLLOWING FACTS CONCERNING THE INFORMATION REQUESTED.

1. AUTHORITY: TITLE 10 AND 37 U.S.C.

2. PRINCIPAL PURPOSE(S): TO ACCESS MEMBER DATA ON THE ENLISTED ASSIGNMENT INFORMATION SYSTEM.

3. ROUTINE USE(S): TO PROCESS AWARD(S), REMOVAL(S) AND WAIVER(S) AS REQUESTED ON THE EPMAC 1221/2.

4. MANDATORY OR VOLUNTARY DISCLOSURE: VOLUNTARY. IF THE MEMBER DOES NOT PROVIDE SOCIAL SECURITY NUMBER THE NEC REQUEST WILL **NOT** BE PROCESSED.