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

Subj: PROMULGATION OF VOLUME II OF THE MANUAL OF NAVY ENLISTED MANPOWER AND PERSONNEL CLASSIFICATIONS AND OCCUPATIONAL STANDARDS, NAVPERS 18068F, OF JULY 2008

1. Volume II of NAVPERS 18068F is the official manual of Navy Enlisted Classifications (NECs). This edition includes the latest information available at the time of revision.

2. The manual’s effectiveness in providing correct and timely identification of skilled personnel and requirements depends upon the interactive support of all command echelons. Commands are encouraged to forward recommendations concerning NEC modification, establishment, or disestablishment.

3. The BUPERS CD-ROM will be distributed quarterly. Requests to have an activity added to the CD-ROM automated distribution list should be addressed to:

Department of the Navy
Navy Personnel Command
Attn: PERS 332D
5720 Integrity Drive
Millington, TN 38055-0130

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- Standard Navy Distribution List Number (SNCL)
- Activity Name, Acronym, and UIC
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C. J. LOGAN
Captain, U.S. Navy
Acting Director, Manpower, Personnel, Training and Education Policy Division (N13)
SUMMARY OF CHANGES

The NEC manual is published quarterly (JAN, APR, JUL, and OCT) to provide updated NEC information in a timely manner. Changes (additions, deletions, revisions) to NECs identified by the 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, and note). Specific revisions to all chapters of the manual are identified with yellow shaded print.

A. CHAPTER IV: RATING SERIES AND SPECIAL SERIES NECs

ESTABLISHMENTS

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REVISIONS

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B. NEC RECODING ACTIONS

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

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C. CHAPTER V: PLANNING SERIES NECS

ESTABLISHMENTS

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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. Additionally, an NEC can be used to identify special circumstances or situations with approval via the NEOCS process.

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 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:

<table>
<thead>
<tr>
<th>Paygrade</th>
<th>Criteria</th>
<th>Position</th>
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<tbody>
<tr>
<td>E1/2/3</td>
<td>Entry series or Conversion NECs only</td>
<td>1 (1)</td>
</tr>
<tr>
<td>E7/8/9</td>
<td>Senior Enlisted management NECs (i.e., 1332, 4206, 8300, 9580).</td>
<td>2</td>
</tr>
<tr>
<td>E5/E6</td>
<td>Supervisor/Management, Advanced Technical and Operational/Fleet Critical NECs.</td>
<td>3</td>
</tr>
<tr>
<td>E3 to E8</td>
<td>Operator, Maintainer, Analyst NECs (Career) and Special Warfare, EOD/Diver/SEAL PNECs.</td>
<td>4 (2)</td>
</tr>
<tr>
<td>E4/E5</td>
<td>Intermediate level Technical, Operator/maintainer NECs and Fleet critical E4 NECs (i.e., BM-0170 Surface Rescue Swimmer).</td>
<td>5</td>
</tr>
<tr>
<td>E3/4</td>
<td>First Tour/Initial NECs, Basic Operator, Organizational Maintenance.</td>
<td>6 (3)</td>
</tr>
<tr>
<td>Special Series NECs</td>
<td>Technical or Supervisor in nature. NECs that may be used again (i.e., Microminiature Repair, Instructor, Safety). Non-Technical single-use NECs (i.e., Recruit Instructor, Correctional Counselor) and personnel as candidates or under training (i.e., 5301, 8201, 9901).</td>
<td>7</td>
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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 (NAVPERSCOM) 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 NEC Management Section (Pers-4013) is responsible for administering the NEC coding system for enlisted personnel not on active duty. In this regard, the Commander, Navy Reserve Forces Command and the Navy Reserve Readiness Commanders will continue to monitor NEC coding efforts by inspections and through the Reserve Pay and Personnel Services. This includes Conversion NEC assignments and cancellations.

3. The NEC Management Section (Pers-4013), 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 NAVPERS, are responsible for reviewing NECs, correcting DG Codes where necessary, and recommending coding assignments or cancellations directly to Pers-4013D2.

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 Pers-4013D2 for accessions to active duty.

   c. By the NEC Management Section (Pers-4013) for active duty personnel.

      (1) Assigning NECs to personnel through on-the-job training or where not otherwise reported via the Corporate enterprise Training Activity Resource System (CeTARS).
(2) Coordinating requests to waiver NEC award requirements with CNO (N132) cognizant
Enlisted Community Manager, as appropriate.

d. By the NEC Management Section (Pers-4013) for inactive duty personnel based on
recommendations received from Navy Reserve Commands and Units via their echelon IV.

e. An individual's NEC assignments, as authorized above, are those recorded in MAPTIS. When
notified of changes by receipt of completed NAVPERS 1221/6, commands will record these changes on page 4
NAVPERS 1070/604 service record entry using award date indicated on NAVPERS 1221/6. Do not report
NEC assignments to Pers-4013D2 by personnel diary.

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 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 an NAVPERS 1221/6 to the NEC Management Section (Pers-4013). 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 NSIPS entry. These NEC
codes will be automatically canceled in the Manpower, Personnel and Management Information System (MAP-
MIS) when the correct rate change or advancement is reported and accepted by CHNAVPERS or NEC
Management Section (Pers-4013) as appropriate. Canceled codes will continue to appear on at least one EDVR
or in NSIPS 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 Manage-
ment Center (Code 49).

   (2) Exceptions to the normal award criteria, including waivers, are to be requested from
PERS-4013D2 via endorsing commands per current OPNAV and NAVPERS instructions or as noted in
Chapter IV of this manual as a specific note to that NEC. Chief of Naval Operations, Head Enlisted Community Management (N32) will provide policy guidance to Pers-4013D2 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 NAVPERS 1221/6 for these personnel directly to CNO (N132).

(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 MILPERSMAN 1306-418 and 1220-040, with Pers-403 as the final adjudicator.

(c) HM NEC removals and waivers of mandatory courses of instruction will in all cases be forwarded by Pers-4013D2 to CNO (N13) for adjudication.

1. HM personnel holding an NEC beyond the prescribed paygrade cap will not have their NEC removed without CNO (N132) 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 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, Enlisted Placement Management 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 (NAVPERS 1221/6).

   (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, Enlisted Placement Management 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 1221/6) 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, Enlisted Placement Management Center will take appropriate action upon receipt and if applicable forward the package, including coordination of request to waive NEC requirements with CNO (N13) cognizant 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 Corporate enterprise Training Activity Resource System (CeTARS) as outlined in NETCINST 1510.10 (series). 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 (NAVPERS 1221/6) for active and inactive duty personnel. See Appendix A 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 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 20) 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 subdivisions 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.


<table>
<thead>
<tr>
<th>General Ratings</th>
<th>Service Ratings</th>
<th>Compression Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB .............</td>
<td>ABE, ABF, ABH</td>
<td></td>
</tr>
<tr>
<td>AC</td>
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<td>AM .............</td>
<td>AME...............</td>
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<tr>
<td>BM</td>
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<tr>
<td>CS</td>
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<td>CT .............</td>
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<td>CTR, CTT</td>
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</tr>
<tr>
<td>DC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EA .............</td>
<td></td>
<td>CU</td>
</tr>
</tbody>
</table>


General Ratings: 62
Service Ratings: 13
Total Ratings: 75

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

Compression Ratings: 5
### 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.

<table>
<thead>
<tr>
<th>Title</th>
<th>Conversion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boatswain's Mate Basic</td>
<td>BM-0199</td>
</tr>
<tr>
<td>Quartermaster Basic</td>
<td>QM-0299</td>
</tr>
<tr>
<td>Operations Specialist Basic</td>
<td>OS-0399</td>
</tr>
<tr>
<td>Sonar Technician (Surface)</td>
<td>STG-04G9</td>
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<tr>
<td>Sonar Technician (Submarine)</td>
<td>STS-04S9</td>
</tr>
<tr>
<td>Gunner's Mate Basic</td>
<td>GM-08G9</td>
</tr>
<tr>
<td>Fire Control Technician Basic</td>
<td>FT-1199</td>
</tr>
<tr>
<td>Fire Controlman Basic</td>
<td>FC-11C9</td>
</tr>
<tr>
<td>Mineman Basic</td>
<td>MN-1299</td>
</tr>
<tr>
<td>Missile Technician Basic</td>
<td>MT-1399</td>
</tr>
<tr>
<td>Electronics Technician Basic</td>
<td>ET-1599</td>
</tr>
<tr>
<td>Master-at-Arms Basic</td>
<td>MA-2099</td>
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<tr>
<td>Navy Counselor Basic</td>
<td>NC-2199</td>
</tr>
<tr>
<td>Postal Clerk Basic</td>
<td>PC-2299</td>
</tr>
<tr>
<td>Information Systems Technician</td>
<td>IT-2399</td>
</tr>
<tr>
<td>Religious Program Specialist Basic</td>
<td>RP-2499</td>
</tr>
<tr>
<td>Yeoman Basic</td>
<td>YN-2599</td>
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<tr>
<td>Personnel Specialist Basic</td>
<td>PS-2699</td>
</tr>
<tr>
<td>Storekeeper Basic</td>
<td>SK-2899</td>
</tr>
<tr>
<td>Ship Serviceman Basic</td>
<td>SH-3199</td>
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<tr>
<td>Mass Communications</td>
<td>MC-3299</td>
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<tr>
<td>Legalman Basic</td>
<td>LN-3499</td>
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<tr>
<td>Culinary Specialist Basic</td>
<td>CS-3599</td>
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<tr>
<td>Musician Basic</td>
<td>MU-3899</td>
</tr>
<tr>
<td>Intelligence Specialist Basic</td>
<td>IS-3999</td>
</tr>
<tr>
<td>Gas Turbine Systems Technician Basic</td>
<td>GS-4199</td>
</tr>
<tr>
<td>Gas Turbine Systems Technician (Electrical)</td>
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<td>Gas Turbine Systems Technician (Mechanical)</td>
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<td>Machinist's Mate Basic</td>
<td>MM-4299</td>
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<tr>
<td>Engineman Basic</td>
<td>EN-4399</td>
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<tr>
<td>Machinery Repairman Basic</td>
<td>MR-4499</td>
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<tr>
<td>Electrician's Mate Basic</td>
<td>EM-4699</td>
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<tr>
<td>Interior Communications Electrician Basic</td>
<td>IC-4799</td>
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<tr>
<td>Damage Control Basic</td>
<td>DC-4899</td>
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<td>Hull Maintenance Technician Basic</td>
<td>HT-4999</td>
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<tr>
<td>Explosive Ordnance Diver</td>
<td>EOD-53E9</td>
</tr>
<tr>
<td>Special Operations</td>
<td>SO-53S9</td>
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<tr>
<td>Special Operations Boats</td>
<td>SB-53B9</td>
</tr>
<tr>
<td>Navy Diver</td>
<td>ND-53N9</td>
</tr>
<tr>
<td>Engineering Aid Basic</td>
<td>EA-5599</td>
</tr>
<tr>
<td>Construction Electrician Basic</td>
<td>CE-5699</td>
</tr>
<tr>
<td>Equipment Operator Basic</td>
<td>EO-5799</td>
</tr>
<tr>
<td>Construction Mechanic Basic</td>
<td>CM-5899</td>
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</table>
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 Hydraulics ....................... AM-72H9
Aviation Structural Mechanic Structure ......................... AM-7259
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
Hospital Corpsman Basic ................................................ HM-8499
Cryptologic Technician (Interpretive) ....................... CTI-91I9
Cryptologic Technician (Maintenance) ....................... CTM-91M9
Cryptologic Technician (Collection) ......................... CTR-91R9
Cryptologic Technician (Technical) ......................... CTT-91T9
Cryptologic Technician (Network) ......................... CTN-91N9
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 SO ND SB

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

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

DG-9730 Medical and Dental Specialists
Source ratings: HM

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

DG-9750 Functional Support and Administration
Source ratings: AZ LN PC YN SK PS MC NC 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: MR HT CE EO BU SW UT

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

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 guidance in writing billets on Activity Manpower Document (AMD). 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 IDENTIFICATION NUMBER (CIN). The Navy Course Identification Number (CIN) is obtained from Corporate enterprise Training Activity Resource System (CeTARS). An indicator P/L (Pipeline) next to CIN signifies that additional COI is required before NEC could be awarded. 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. COURSE DATA PROCESSING NUMBERS (CDPs) FROM CeTARS. CDPs are assigned to formal training courses included within CeTARS per NETCINST 1510.1 (series). They are used by the Bureau of Naval Personnel and training activities for reference purposes.

7. SEQUENCE CODE. The number that appears in this column (1 through 9) 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. 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 20) 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 20) 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.

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

10. 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.

11. OPEN TO WOMEN. Open: NEC is open to women. Closed: NEC is not open to women.

12. PRIMARY ADVISOR. 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.

13. 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.

14. 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

<table>
<thead>
<tr>
<th>NEC Description</th>
<th>Effective Date</th>
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<tbody>
<tr>
<td>00SM Signalman (SM) Tracking NEC</td>
<td>30SEP04</td>
</tr>
<tr>
<td>0CTO Cryptologic Technician Communications (CTO) Tracking NEC</td>
<td>1MAR06</td>
</tr>
<tr>
<td>00DK Disbursing Clerk (DK) Tracking NEC</td>
<td>1OCT05</td>
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<tr>
<td>00LI Lithographer (LI) Tracking NEC</td>
<td>1JUL06</td>
</tr>
<tr>
<td>00DM Illustrator Draftsman (DM) Tracking NEC</td>
<td>1JUL06</td>
</tr>
<tr>
<td>00JO Journalist (JO) Tracking NEC</td>
<td>1JUL06</td>
</tr>
<tr>
<td>00PH Photographer’s Mate (PH) Tracking NEC</td>
<td>1JUL06</td>
</tr>
<tr>
<td>0CTA Cryptologic Technician Administrative (CTA) Tracking NEC</td>
<td>1OCT07</td>
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<tr>
<td>00TM Torpedoman’s Mate (TM) Tracking NEC</td>
<td>1JUL07</td>
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<tr>
<td>0090 Not Operationally Suitable</td>
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</tr>
</tbody>
</table>

**NOTES:**

1. Application and removal of NEC 0090 will be performed only by PERS-40BB.
2. This is for personnel only, does not affect billets.

### HM-00DT Dental Tracking NEC

Perform duties as a general dental assistant to include dental infection control, dental treatment room management, preventive dentistry, comprehensive dental assisting, and intraoral radiography.

<table>
<thead>
<tr>
<th>Source Rating: HM</th>
<th>Billet Paygrades: (See note)</th>
<th>Personnel Paygrades: E5-E9</th>
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<tbody>
<tr>
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<td>CDP:</td>
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<tr>
<td>Sequence Code:</td>
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<td>NR Ind: N/A</td>
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<tr>
<td>Component NEC:</td>
<td>Related NEC:</td>
<td>Open to Women: Yes</td>
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<tr>
<td>Primary Advisor:</td>
<td>Technical Advisor: FHP LEARNING CTR</td>
<td>ECM: BUPERS 327</td>
</tr>
</tbody>
</table>

**NOTE:** NEC 00DT is a tracking NEC for personnel only and does not apply to billets.

### 0093 Combat Zone Injury-Hostile

Identifies Naval Personnel who suffer a hostile injury while serving in a Presidential approved combat operation or while deployed in an area that qualified for Combat Zone Tax exclusion.

<table>
<thead>
<tr>
<th>Source Rating: N/A</th>
<th>Billet Paygrades: (See note)</th>
<th>Personnel Paygrades: E5-E9</th>
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</thead>
<tbody>
<tr>
<td>Course:</td>
<td>CIN:</td>
<td>CDP:</td>
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<td>Sequence Code:</td>
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<td>NR Ind: N/A</td>
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<tr>
<td>Component NEC:</td>
<td>Related NEC:</td>
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<tr>
<td>Primary Advisor:</td>
<td>Technical Advisor: ECRC</td>
<td>ECM: PERS-46</td>
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</tbody>
</table>

**NOTE:** NEC 0093 is a tracking NEC for personnel only, as approved by the NEOCS process.
0096 Combat Zone Injury-Illness, Non-Hostile
Identifies Naval Personnel who suffer a non-hostile injury or illness while serving in a Presidential approved combat operation or while deployed in an area that qualified for Combat Zone Tax exclusion.

Source Rating: N/A  
Billet Paygrades: (See note)  
Personnel Paygrades: E1-E9

Course:
Sequence Code: 8
Component NEC:
Primary Advisor: NECC

CIN:
NR Ind: N/A
Related NEC:
Technical Advisor: ECRC

Open to Women: Yes
ECM: PERS-46

NOTE: NEC 0096 is a tracking NEC for personnel only, as approved by the NEOCS process.

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 Rating: MN  
Source Rating: BM, QM
Course: Mandatory  
Course: See Note
Sequence Code: 6
Sequence Code: 3
Component NEC:
Component NEC:
Primary Advisor: CNO N865
Primary Advisor: CNO N865

Billet Paygrades: E3-E7  
Billet Paygrades: E4-E7
Billet Paygrades: K-062-0012
CIN: A-060-0631
CIN: K-062-0012

Personnel Paygrades: E3-E8  
Personnel Paygrades: E4-E8
CDP: 3000
CDP: 180A, 647N
NR Ind: R
NR Ind: A

Related NEC:
Related NEC: 0169
Technical Advisor: NAVSEA 05
Technical Advisor: NAVSEA 05

Open to Women: Yes
Open to Women: Yes
ECM: BUPERS-322E
ECM: BUPERS-322E

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

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 Rating: BM, GM, QM
Course: See Note
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N865

Billet Paygrades: E5-E9
Billet Paygrades: E5-E9
CIN: K-062-0012
CIN: K-062-0012

Personnel Paygrades: E5-E9  
Personnel Paygrades: E5-E9
CDP: 180A, 647N
CDP: 180A, 647N
NR Ind: R
NR Ind: A

Related NEC: 0169
Related NEC: NAVSEA 05
Technical Advisor: NAVSEA 05
Technical Advisor: NAVSEA 05

Open to Women: Yes
Open to Women: Yes
ECM: BUPERS-322E
ECM: BUPERS-322E

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, dry-docking, and cold iron moves. Directs use of head, breast and power lines 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 Rating: BM, QM
Course: OJT
Sequence Code: 2
Component NEC:
Primary Advisor: CNO N865

Billet Paygrades: E6-E9
Billet Paygrades: E6-E9
CIN:
CIN:

Personnel Paygrades: E6-E9  
Personnel Paygrades: E6-E9
CDP:  
CDP:  
NR Ind: R
NR Ind: R

Related NEC:  
Related NEC: NAVSEA 05
Technical Advisor: NAVSEA 05
Technical Advisor: NAVSEA 05

Open to Women: Yes
Open to Women: Yes
ECM: BUPERS-322E
ECM: BUPERS-322E

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 operation.

Source Rating: BM  
Course:  
Sequence Code: 5  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E9  
CIN:  
Related NEC:  
Technical Advisor: NAVSEA 05  
CDP:  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-322E

NOTE: NEC may be earned by OJT. If OJT experience supports NEC award, submit NAVPERS 1221/6 with documentation attached to PERS-4013D2.

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 Rating: Open to All Ratings  
Course: Mandatory  
Sequence Code: 2  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E7-E9  
Personnel Paygrades: E6-E9  
CIN: K-062-0100  
Related NEC:  
Technical Advisor: NAVSEA 05  
CDP: 0621, 424H  
NR Ind: N  
Open to Women: Yes  
ECM: BUPERS-322E

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-062-0100.
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 Rating: BM, GM, QM  
Course: See Note  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E4-E6  
Personnel Paygrades: E4-E6  
CIN: K-062-0011  
Related NEC:  
Technical Advisor: NAVSEA 05  
CDP: 179Z, 647M  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-322E

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 Rating: All shipboard ratings  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CIN: A-050-0500  
Related NEC:  
Technical Advisor: NAVSEA 05  
CDP: 6952, 889Y  
NR Ind: N  
Open to Women: Yes  
ECM: BUPERS-322E
BM-0171 Landing Craft Utility Craftmaster
Directs movement of Landing Craft Utility (LCU) in Amphibious assault operations. Directs docking and undocking in landing types (LHA, LHD, LPD, LSD), beaching and retracting, loading stowage, and security of equipment and supplies in the various ship and shore movement assault elements. Directs movement of craft employing Rules of the Road, electronic and visual navigation, and radio and visual communications procedures. Supervises LCU crew of 10 in all phases of craft operations and maintenance.

Source Rating: BM, OS, QM  
Billet Paygrades: E6-E9  
Personnel Paygrades: E6-E9  
Course:  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N865  
CIN:  
Related NEC: 0164  
Technical Advisor: NAVSEA 05  
NR Ind: A  
Open to Women: No  
ECM: BUPERS-322E

NOTES:
1. Special Qualifications: ESWS qualified, second class swimmer per NAVPERS 15560C, no eval mark below 3.0 in the last 36 months, no record of NJP or financial problems in the last 36 months, Min. ASVAB WK + AR = 104 (waiverable), must be able to acquire and eligibility for a secret clearance, no night blindness, pass color vision test.
2. No new assignments of E6 personnel to this NEC.

BM-0172 LCAC Loadmaster
The Landing Craft Air Cushion Loadmaster is a critical crew position aboard the LCAC, constantly working with high technical and potentially dangerous high speed machinery. The Loadmaster is also responsible for loading and unloading various rolling stock within the United States Marine Corps inventory, and various miscellaneous rolling stock of other countries working with U.S. forces. The Loadmaster will be familiar with the ABS mission.

Source Rating: BM, GSM, GSE  
Billet Paygrades: E4-E6  
Personnel Paygrades: E4-E6  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N865  
CIN: S-062-0020  
Related NEC:  
Technical Advisor: NAVSEA 05  
NR Ind: N  
Open to Women: Yes  
ECM: BUPERS-322E

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, and 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  
Billet Paygrades: E6-E9  
Personnel Paygrades: E6-E9  
Course: OJT  
Sequence Code: 2  
Component NEC: 0161  
Primary Advisor: CNO N865  
CIN:  
Related NEC:  
Technical Advisor: NAVSEA 05  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-322E

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: Mandatory  
Sequence Code: 5  
Component NEC:  
Primary Advisor: CNO N865  
CIN: J-113-1011  
Related NEC:  
Technical Advisor: NAVSEA 05 (PMS-461)  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-322E

NOTE: This NEC may be earned by completion of formal training course J-113-1011 or OJT awarded for E3 and above with one year operational experience on the Radar Control Operator (RCO) and Detector/Tracker monitor (DTM) console of the AN/SYS2(V) IADT system; qualified PQS NAVEDTRA 43372-1A AN/SYS-2(V) 4, 5, 7 DETECTOR/TRACKER MONITOR and all underlying prerequisite watchstations. OJT based on Commanding Officer’s recommendation. Submit NAVPERS 1221/6 to PERS-4013D2.
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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Billet Paygrades: E5-E7  
CIN: J-221-1002  
CDP: 437D  
NR Ind: A  
Open to Women: Yes  
Technical Advisor: NAVSEA 05 (PMS-461)  
ECM: BUPERS-322E

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, ET, AW  
Course: Mandatory  
Sequence Code: 3  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Billet Paygrades: E4-E7  
CIN: K-193-0436  
CDP: 0623, 424K  
NR Ind: N  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322E

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E9  
CIN: S-221-0037  
CDP: 959P  
NR Ind: A  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322E

NOTE: This NEC may be earned by completion of formal training course S-221-0037 or OJT awarded for E4 and above with one year operational experience on the OJ-451 or OJ-663 AEGIS computer console; qualified as NAVEDTRA 43398-13A Watchstation 308 AEGIS Display System (ADS0 Operator, and either Watchstation 312 Track Information Coordinator (TIC) or Watchstation 313 Surface Subsurface Supervisor/Surface Subsurface Warfare Supervisor (SWS) and all underlying prerequisite watchstations. OJT based on Commanding Officer’s recommendation. Submit NAVPERS 1221/6 to PERS-4013D2.
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
Billet Paygrades: E3-E9
Personnel Paygrades: E3-E9
Course: 
CIN: 
NR Ind: A
Sequence Code: 4
Related NEC: 
Open to Women: Yes
Component NEC: 
Technical Advisor: NAVSEA 05
Primary Advisor: CNO N865
ECM: BUPERS-322E

NOTE: This NEC may be earned by completion of formal training course S-221-0036 or OJT awarded for E4 and above with one year operational experience on the OJ-194 AEGIS computer console; qualified as NAVEDTRA 43398-13A Watchstation 308 AEGIS Display System (ADS0 Operator, and either Watchstation 312 Track Information Coordinator (TIC) or Watchstation 313 Surface Subsurface Supervisor/Surface Subsurface Warfare Supervisor (SWS) and all underlying prerequisite watchstations. OJT based on Commanding Officer’s recommendation. Submit NAVPERS 1221/6 to PERS-4013D2.

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. An NAVPERS 1221/6 will be submitted PERS-4013D2 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
Billet Paygrades: E5-E6
Personnel Paygrades: E4-E7
Course: Mandatory
CIN: K-221-0027
CDP: 4606, 9377, 7839
Sequence Code: 3
NR Ind: N
Component NEC: 
Related NEC: 
Open to Women: Yes
Primary Advisor: CNO N865
Technical Advisor: NAVSEA 05
ECM: BUPERS-322E

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

Source Rating: OS
Billet Paygrades: E6-E9
Personnel Paygrades: E6-E9
Course: Mandatory
CIN: K-221-0015
CDP: 2024, 2025
Sequence Code: 3
NR Ind: N
Component NEC: 0318
Related NEC: 
Open to Women: Yes
Primary Advisor: CNO N865
Technical Advisor: NAVSEA 05
ECM: BUPERS-322E

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
Billet Paygrades: E5-E9
Personnel Paygrades: E5-E9
Course: Mandatory
CIN: K-221-2503
CDP: 743B, 586X
Sequence Code: 3
NR Ind: N
Component NEC: 
Related NEC: 
Open to Women: Yes
Primary Advisor: CNO N865
Technical Advisor: NAVSEA 05
ECM: BUPERS-322E

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: Mandatory
Sequence Code: 3
Component NEC: CNO N865
Primary Advisor: CNO N865
Billet Paygrades: E3-E7
CIN: A-130-2569
Related NEC:
Primary Advisor: CNO N865
Technical Advisor: NAVSEA 05
Personnel Paygrades: E3-E7
NR Ind: N
Open to Women: No
ECM: BUPERS-322E

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
Course: Mandatory
Sequence Code: 3
Component NEC: CNO N865
Primary Advisor: CNO N865
Billet Paygrades: E5-E8
CIN: A-221-0002
Related NEC:
Primary Advisor: CNO N865
Technical Advisor: NAVSEA 05 (PMS-461)
Personnel Paygrades: E5-E8
NR Ind: N
Open to Women: Yes
CDP: 3935, 3936
ECM: BUPERS-322E

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
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N865
Primary Advisor: CNO N865
Billet Paygrades: E3-E7
CIN: A-221-0001
Related NEC:
Primary Advisor: CNO N865
Technical Advisor: NAVSEA 05
Personnel Paygrades: E4-E7
NR Ind: R
Open to Women: Yes
CDP: 3885, 3887
ECM: BUPERS-322E

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
Course: Mandatory
Sequence Code: 3
Component NEC: CNO N865
Primary Advisor: CNO N865
Billet Paygrades: E5-E9
CIN: J-113-1001
Related NEC:
Primary Advisor: CNO N865
Technical Advisor: SPAWAR
Personnel Paygrades: E5-E9
NR Ind: R
Open to Women: Yes
CDP: 0285, 197X
ECM: BUPERS-322E

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
Course: Mandatory
Sequence Code: 3
Component NEC: 1169 (See Note 1)
Primary Advisor: CNO N865
Billet Paygrades: E4-E9
CIN: J-113-1001
Related NEC:
Primary Advisor: CNO N865
Technical Advisor: SPAWAR
Personnel Paygrades: E4-E9
NR Ind: R
Open to Women: Yes
CDP: 0285, 197X
ECM: BUPERS-322E

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/Mobile (TacMobile) Operations Control (OPCON) Operator

Operates tactical workstations and other computer peripherals associated with the TacMobile network, including communications equipment. Prepares preflight material (briefs and messages), conducts flight following (Data Link), maintains the common operational picture and prepares post-flight material (messages).

Source Rating: OS, IS
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N865
Primary Advisor: CNO N865

Billet Paygrades: E3-E7
Personnel Paygrades: E3-E7
CIN: J-221-0362
R-210-6113
334R

Technical Advisor: SPAWAR
Related NEC:
Open to Women: Yes
ECM: BUPERS-322E

OS-0340 Global Command and Control System Common Operational Picture/Maritime 4.X (GCCS COP/M 4.X) Operator

Performs Joint Services and Navy specific applications and processes. Manages C4I database management functions, communications operations, and Force Over the Horizon Track Coordinator (FOTC) functions. Maintains the Common Operating Picture (COP) and provides input to the Common Tactical Picture (CTP) at the unit, battle group, component commander, joint and coalition level. These functions are performed at both afloat and ashore commands.

Source Rating: OS, FC, FT, IT, CTR, STG, STS, MN, CTT, IS
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N6
Primary Advisor: CNO N6

Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9
CIN: A-221-0069

Technical Advisor: NETWARCOM N1B
Related NEC: 0342
Open to Women: Yes
ECM: BUPERS-322E

NOTE: A security clearance is required.

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, ET, MN
Course: Mandatory
Sequence Code: 3
Component NEC: CNO N6
Primary Advisor: CNO N6

Billet Paygrades: E3-E9
Personnel Paygrades: E3-E9
CIN: J-221-2311

Technical Advisor: SPAWAR
Related NEC:
Open to Women: Yes
ECM: BUPERS-322E

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, and 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
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N865
Primary Advisor: CNO N865

Billet Paygrades: E3-E7
Personnel Paygrades: E3-E7
CIN: A-130-2570

Technical Advisor: SPAWAR
Related NEC:
Open to Women: Yes
ECM: BUPERS-322E
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 an 8x8x20 ft, C-141 deployable shelter and associated equipment.

Source Rating: OS, IS, ET, CTT  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N6  
Primary Advisor: CNO N6  
Technical Advisor: SPAWAR  
Billet Paygrades: E4-E7  
Personnel Paygrades: E4-E7  
CIN: S-100-0005  
CDP: 5393, 02P9  
NR Ind: N  
Open to Women: Yes  
ECM: BUPERS-322E

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Technical Advisor: AEGIS TRAREDCEN  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CIN: S-221-0038  
CDP: 242S  
NR Ind: N  
Open to Women: Yes  
ECM: BUPERS-322E

NOTE: This NEC may be earned by completion of formal training course S-221-0038 or OJT awarded for E4 and above with one year operational experience on the OJ-719/720 AEGIS computer console and AEGIS computer baseline 6.3 and above; qualified as NAVEDETRA 43398-13A Watchstation 308 AEGIS Display System (ADS0 Operator, and either Watchstation 312 Track Information Coordinator (TIC) or Watchstation 313 Surface Subsurface Supervisor/Surface Subsurface Warfare Supervisor (SWS) and all underlying prerequisite watchstations. OJT based on Commanding Officer’s recommendation. Submit NAVPERS 1221/6 to PERS-4013D2.

OS-0347 Ship Self Defense System (SSDS) MK1 Operator

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 own ship. This individual will establish and monitor own ship warfare area posture and doctrine, within the limits of the authority delegated and following the rules of engagement, standing orders and other applicable directions.

Source Rating: OS  
Source Rating: FC  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05 (PMS-461)  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E7  
CIN: S-221-0038  
CDP: 382N, 783A  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-322E

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.

Source Rating: OS  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N6  
Primary Advisor: CNO N6  
Technical Advisor: NAVSEA 05  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CIN: K-221-0124  
CDP: 378F, 382N, 783A  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-322E
**OS-0349 SSDS MK 2 Advanced Operator**

Operates SSDS MK2 consoles and manipulates console controls to access features of the MK2 operational program in support of ship's missions onboard CV/CVN, LHD, and LPD 17 class ships. Assists in development of tactical doctrine, enters tactical doctrine into SSDS MK2, tests tactical doctrine, and recommends changes to tactical doctrine. Utilizes program features that support the following watch positions: Air Intercept Controller, Air Interceptor Controller Supervisor, Amphibious Assault Craft Controller, Auto Track Manager/Sensor Supervisor, Combat Direction Center/Combat Information Center Supervisor, Electronic Warfare Supervisor, Identification Operator, Tactical Information Coordinator, and Sea Combat Air Controller (Surface and Subsurface). Functions as SSDS MK 2 Training Supervisor and assists ships Combat System Training Team in preparing and conducting SSDS MK 2 training evolutions.

Source Rating: OS  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7

Source Rating: CTT  
Billet Paygrades: E4-E7  
Personnel Paygrades: E4-E7

Course: Mandatory  
CIN: A-150-0028  
CDP: 638K, 02GM  
NR Ind: A

Component NEC:  
Related NEC:  
Open to Women: Yes

Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322E

**OS-0350 Interface Control Officer (ICO)**

To provide senior enlisted tactical watch-standers and planners with the requisite knowledge of the capabilities and limitations of Link capable units, Data links Link-4A, Link-11, Link-16, and Cooperative Engagement Capability (CEC). Provide necessary skills to plan, implement and monitor a single or multi-link architecture in a Carrier Strike Group, Expeditionary Strike Group, Carrier Strike Force or Naval exercise or operation and understand the impact of the designed architecture on the Common Tactical Picture and Common Operational Picture. Provide fundamental skills to write link-planning documents including an OPTASK Link, JNL request, Link 16 Authorization request and satellite access request messages. Provide the knowledge to supervise the initialization, monitoring, troubleshooting of Link-11 and Link-16 systems, the utilization of collaborative planning tools, as well as the skills needed to maintain a tactical picture, monitor link operations, change system configurations, and maintain voice communications in accordance with the Joint Multi-Tactical Digital Information Link Operating Procedures (JMTOP) and other applicable references.

Source Rating: OS  
Billet Paygrades: E6-E9  
Personnel Paygrades: E6-E9

Course: Mandatory  
CIN: A-2G-0114  
CDP: 742M, 742V  
NR Ind: A

Component NEC: 0348  
Related NEC:  
Open to Women: Yes

Primary Advisor: CNO N6  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322E

**NOTE:** Specified Watchstanders are E7-E9. E6 Watchstanders are waiverable by Joint Interface Control Officer (JICO).

**SONAR TECHNICIAN (STG/STS)**

**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 Sounder, 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: E3-E7

Course: Mandatory  
CIN: K-130-0245 (P/L)  
CDP: 052D  
NR Ind: R

Component NEC: 0406  
Related NEC:  
Open to Women: No

Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05 (PMS-411)  
ECM: BUPERS-322D

**STG-0405 Sonar Auxiliary Maintenance and Operations Repairman - Deleted**

**STG-0406 AN/SQQ-89(V)2/9 Sonar Subsystem Level I Operator**

Performs equipment light-off, operation, and shut-down of the following subsystems: AN/SQQ-28(V)2/(V)9 Sonar Signal Processing System, AN/SQR-19(V)2/A(V)2 TACTAS, and AN/SQS-56 Sonar for FFG-7 platforms only. Identifies, tracks, and classifies targets and potential targets. Identifies acoustic signatures to source. Recognizes abnormal panel/screen indications and responds appropriately to indications/alerts.

Source Rating: STG  
Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6

Course: Mandatory  
CIN: K-130-0269  
CDP: 608F  
NR Ind: R

Component NEC: 0411, 0508, 0511  
Related NEC:  
Open to Women: No

Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05 (PMS-411)  
ECM: BUPERS-322D
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
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N865
Primary Advisor: CNO N865
Billet Paygrades: E3-E9
Personnel Paygrades: E3-E9
CIN: A-647-0931
CDP: 221G
NR Ind: N
Open to Women: Yes
ECM: BUPERS-322D

STG-0411 AN/SQQ-89(V)4/6/10 Sonar Subsystem Level I Operator
Performs equipment light-off, operation and shut-down of the following subsystems; AN/SQQ-28(V)9 Sonar Signal Processing System, AN/SQR-19B(V)1/B(V)3 TACTAS, AN/UYS-25B(V)1 (SIMAS II), and the AN/SQS-53C Sonar. Identifies, tracks, and classifies targets and potential targets. Identify acoustic signatures to source. Recognizes abnormal panel/screen indications and responds appropriately to indications/alerts.
Source Rating: STG
Course: Mandatory
Sequence Code: 6
Component NEC: CNO N865
Primary Advisor: CNO N865
Billet Paygrades: E3-E6
Personnel Paygrades: E3-E6
CIN: K-130-1105
CDP: 140E
NR Ind: R
Open to Women: Yes
ECM: BUPERS-322D

NOTE: Personnel who previously completed CIN: K-130-0283 are eligible to be awarded NEC STG-0411.

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/UYN-25A(V)2 or AN/UYN-25B and the AN/SQS-53B Sonar System.
Source Rating: STG
Course: Mandatory
Sequence Code: 5
Component NEC: CNO N865
Primary Advisor: CNO N865
Billet Paygrades: E4-E8
Personnel Paygrades: E3-E8
CIN: K-130-1131 (P/L)
K-130-1123
091F
CDP: 235J
NR Ind: R
Open to Women: Yes
ECM: BUPERS-322D

NOTE: Personnel who previously completed CIN: K-130-1123 or K-130-0272 are eligible to be awarded NEC STG-0415.

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/UYN-25A(V)2, AN/BQH-7A Oceanographic Data System, AN/SQQ-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/UYN-25A or AN/UYN-25B.
Source Rating: STG
Course: Mandatory
Sequence Code: 5
Component NEC: 0406 or 0411
Primary Advisor: CNO N865
Billet Paygrades: E4-E8
Personnel Paygrades: E3-E8
CIN: K-130-1135 (P/L)
K-130-1123
0612
CDP: 235N
NR Ind: N
Open to Women: Yes
ECM: BUPERS-322D

NOTE: Personnel who previously completed CIN: K-130-1123 or K-130-0272 are eligible to be awarded NEC STG-0415.
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
Course: Mandatory
Sequence Code: 2
Component NEC: CNO N871B, N865
Primary Advisor: CNO N871B, N865

Billet Paygrades: E6-E9
Personnel Paygrades: E6-E9
CIN: Related NEC: Technical Advisor: ONI
CDP: NR Ind: R
Open to Women: No
ECM: BUPERS 323

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 NAVPERS 1221/6 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 planning and preparation for ASW/USW operations. Advises on ASW/USW tactics, ASW/USW system employment, ASW/USW weapons employment and threat interpretations. Analyzes and determines the classification of received acoustic signals. Evaluates target motion analysis and initial reconstruction. Directs the ship’s acoustic analysis training and qualification program.

Source Rating: STG
Course: Mandatory
Sequence Code: 2
Component NEC: CNO N865
Primary Advisor: CNO N865

Billet Paygrades: E7-E9
Personnel Paygrades: E7-E9
CIN: K-210-0500
CDP: 1271
NR Ind: R
Related NEC: Open to Women: Yes
Technical Advisor: NAVSEA 05
ECM: BUPERS-322D

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
Course: Mandatory
Sequence Code: 3
Component NEC: CNO N871B
Primary Advisor: CNO N871B

Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9
CIN: A-130-0359 (P/L)
CDP: 769R
NR Ind: R
Related NEC: Open to Women: No
Technical Advisor: NAVSEA 05
ECM: BUPERS 323

STS-0425 AN/BQQ-6 TRIDENT LEVEL III Master Operation and Maintenance Technician
Operates all TRIDENT AN/BQQ-6 subsystems 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 import sonar watches. Utilizes advanced troubleshooting and systems analysis procedures.

Source Rating: STS
Course: Mandatory
Sequence Code: 3
Component NEC: CNO N871B
Primary Advisor: CNO N871B

Billet Paygrades: E5-E9
Personnel Paygrades: E4-E9
CIN: A-130-0360 (P/L)
CDP: 769S
NR Ind: R
Related NEC: Open to Women: No
Technical Advisor: NAVSEA 05
ECM: BUPERS 323
STG-0429 AN/SQQ-89(V) MK-116 Mod 6/7/8 Anti-Submarine Warfare Control System Level II Technician
Performs organizational level maintenance on subsystems including: Underwater Fire Control MK116 MOD 6/7/8 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-25B(V)1 (SIMAS II).

Source Rating: STG
Course: Mandatory
Sequence Code: 5
Component NEC: Related NEC:
Primary Advisor: CNO N865

Billet Paygrades: E4-E8
Personnel Paygrades: E3-E6
CIN: K-130-0281
CDP: 091E
NR Ind: R
Open to Women: Yes
Technical Advisor: NAVSEA 05 (PMS-411)
ECM: BUPERS-322D

NOTE: Personnel who previously completed CIN: K-130-1101, K-130-0247, or K-130-0280 are eligible to be awarded NEC STG-0429.

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. Accepts, analyzes, and processes targets/contact information from other sources and provides fire control data required to set and launch weapons.

Source Rating: STG
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC: 0516
Primary Advisor: CNO N865

Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9
CIN: K-130-1149
CDP: 378N
NR Ind: R
Open to Women: Yes
Technical Advisor: NAVSEA 05 (PMS-411)
ECM: BUPERS-322D

STG-0445 Basic Acoustic Analyst - Deleted

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
Course: Mandatory
Sequence Code: 3
Component NEC: 7841 (See Note)
Primary Advisor: CNO N865

Billet Paygrades: E5-E9
Personnel Paygrades: E4-E9
CIN: K-210-0529
CDP: 164X
NR Ind: R
Open to Women: Yes
Technical Advisor: NAVSEA 05
ECM: BUPERS-322D

NOTE: Component NEC of 7841 is a requirement for AW personnel only.

STG-0455 AN/SQQ-89(V) 4/6 Active Sonar Level II Technician
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
Course: Mandatory
Sequence Code: 5
Component NEC: Related NEC:
Primary Advisor: CNO N865

Billet Paygrades: E4-E8
Personnel Paygrades: E3-E6
CIN: K-130-1134 (P/L)
K-130-1106
CDP: 235M
NR Ind: R
Open to Women: Yes
Technical Advisor: NAVSEA 05 (PMS-411)
ECM: BUPERS-322D
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 (P/L)  
CDP: 0476  
NR Ind: N  
Related NEC: 0419  
Open to Women: No  
Technical Advisor: NAVSEA 05  
ECM: BUPERS 323

Source Rating: STG
Billet Paygrades: E5-E8
Personnel Paygrades: E5-E8
Course: Mandatory
CIN: K-130-1157
CDP: 316S
NR Ind: R
Related NEC: 0414, 0450, 0510
Open to Women: Yes
Technical Advisor: NAVSEA 05 (PMS-411)
ECM: BUPERS-322D

Source Rating: STG
Billet Paygrades: E4-E8
Personnel Paygrades: E4-E8
Course: Mandatory
CIN: K-130-1163
CDP: 02MJ
NR Ind: R
Related NEC: 0414, 0450, 0510
Open to Women: Yes
Technical Advisor: NAVSEA 05 (PMS-411)
ECM: BUPERS-322D

NOTE: Component NEC requirements are waived for personnel holding either STG-0523 or STG-0527.

STG-0469 AN/SQQ-89(V)14 Sensor Level II Technician/Operator
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 (OBTF), and AN/UYQ-70(V) shared display workstations. Recognizes functional segment malfunctions. Utilizes the System Resource Manager (SRM) function and built in Fault Detection/Fault Localization/Fault Isolation (FD/FL/FI) software to isolate and correct faults to the Lowest Replaceable Unit (LRU). Operates the Hull Sonar and LAMPS Functional Segments.

Source Rating: STG
Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9
Course: Mandatory
CIN: K-130-1154
CDP: 316W
NR Ind: R
Related NEC: 0414, 0450, 0510
Open to Women: Yes
Technical Advisor: NAVSEA 05 (PMS-411)
ECM: BUPERS-322D

Source Rating: STG
Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9
Course: Mandatory
CIN: K-130-1154
CDP: 316W
NR Ind: R
Related NEC: 0414, 0469, 0510
Open to Women: Yes
Technical Advisor: NAVSEA 05 (PMS-411)
ECM: BUPERS-322D

STG-0476 AN/SQQ-89(V)10 Sensor Level II Technician/Operator
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 perform corrective maintenance. Performs organizational level preventive and corrective maintenance. Operates the AN/SQQ-28(V)10, AN/UYQ-25B(V)1 (SIMAS II), and AN/SQS-53C Sonar.

Source Rating: STG
Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9
Course: Mandatory
CIN: A-130-2566
CDP: 575K
NR Ind: R
Related NEC: 0414, 0469, 0510
Open to Women: Yes
Technical Advisor: NAVSEA 05 (PMS-411)
ECM: BUPERS-322D

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 and 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: Mandatory
CIN: A-130-2566
CDP: 575K
NR Ind: R
Related NEC: 0414, 0469, 0510
Open to Women: Yes
Technical Advisor: NAVSEA 05 (PMS-411)
ECM: BUPERS-322D
STG-0490 AN/SQQ-32 Minehunting Sonar Set Maintenance Technician
Dects, 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
Course: Mandatory
Sequence Code: 3
Component NEC: 0488
Primary Advisor: CNO N865

Billet Paygrades: E3-E7
Personnel Paygrades: E3-E7
CIN: A-130-2565
CDP: 575L

STS-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
Course: Mandatory
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: CNO N871B

Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9
CIN: A-130-0357 (P/L)
CDP: 769M
NR Ind: R

STS-0501 Master Sonar Technician
Conducts in-depth acoustic analysis, advanced sonar operations and employment, contact evaluation, and sonar operations coordination required by Leading Petty Officers and Leading Chief Petty Officers onboard submarines.

Source Rating: STS
Course: Mandatory
Sequence Code: 3
Component NEC: 0419 or 0425 or 0461 or 0495 or 0518
Primary Advisor: CNO N871B

Billet Paygrades: E6-E9
Personnel Paygrades: E6-E9
CIN: A-130-0342 (P/L) or A-130-0345 and A-130-0349 and A-130-0371 and A-130-0372
CDP: 9299 or 925C, 00Y2, 00Y3 9260 9262 967Y
NR Ind: N

STS-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, STS, AW
Course: Mandatory
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: CNO N871B

Billet Paygrades: E3-E8
Personnel Paygrades: E3-E8
CIN: A-130-0366
CDP: 592E
NR Ind: R

NOTE: The course that awards this NEC consists of four (4) separate modules which may be attended separately, or in series. Module 1 is Division Management (A-130-0345); Module 2 is Advanced LOFARGRAM Analysis (A-130-0349); Module 3 is Advanced Sonar Employment (A-130-0371); Module 4 is Sonar Operations and Coordination (A-130-0372). Completion of all 4 modules is required for the NEC.

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, STS, AW
Course: Mandatory
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: CNO N871B

Billet Paygrades: E3-E8
Personnel Paygrades: E3-E8
CIN: A-130-0366
CDP: 592E
NR Ind: R

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
Course: Mandatory
Sequence Code: 3
Component NEC: N871B
Primary Advisor: CNO
Billet Paygrades: E3-E8
CIN: A-130-0566
NR Ind: R
Open to Women: Yes
ECM: BUPERS-322D

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, STS, AW
Course: Mandatory
Sequence Code: 3
Component NEC: 0505
Primary Advisor: CNO
Billet Paygrades: E5-E9
CIN: A-130-0466
NR Ind: A
Open to Women: Yes
ECM: BUPERS-322D

NOTE: Onboard Training (OBT) will be conducted at IUSS sites. The NEC will be awarded upon successful site qualification requirements. 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 Operator
Performs equipment light-off, operation and shut-down of the AN/SQQ-89(V)14 Sensor Functional Segments including: Hull Sensor Functional Segment (HSFS), LAMPS Sonobouy Functional Segment (LSFS), and Data Recording Functional Segment (DRFS). Identifies, tracks, and classifies targets and potential targets. Identifies acoustic signature to source. Recognizes abnormal panel/screen indications and responds appropriately to indications/alerts.

Source Rating: STG
Course: Mandatory
Sequence Code: 6
Component NEC: 0429
Primary Advisor: CNO
Billet Paygrades: E3-E6
CIN: K-130-1162
NR Ind: R
Open to Women: Yes
ECM: BUPERS-322D

STG-0509 AN/SQQ-89 (V) Adjunct Subsystem Level II Technician
Performs equipment light-off, operation and shut-down 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/ULQ-132 Tactical Decision Support Subsystem (TDSS), AN/UYQ-25B (V)1 (SIMAS II), 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. Performs scheduled maintenance.

Source Rating: STG
Course: Mandatory
Sequence Code: 5
Component NEC: 0429
Primary Advisor: CNO
Billet Paygrades: E4-E8
CIN: K-130-1156
NR Ind: R
Open to Women: Yes
ECM: BUPERS-322D

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

Source Rating: STG  
Course: Mandatory  
Sequence Code: 5  
Component NEC: 0511  
Primary Advisor: CNO N865  
Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E6  
CIN: K-130-1160  
CDP: 342S  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVSEA 05 (PMS-411)  
ECM: BUPERS-322D

STG-0511 AN/SQQ-89(V) 8/12 Sonar Subsystem Level I 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-25B(V)1 (SIMAS II), and the AN/SQS-53D Sonar. Identifies, tracks and classifies targets and potential targets. Identify acoustic signatures to source. Recognizes abnormal panel/screen indications and responds appropriately to indications/alerts.

Source Rating: STG  
Course: Mandatory  
Sequence Code: 5  
Component NEC: 0511  
Primary Advisor: CNO N865  
Billet Paygrades: E4-E6  
Personnel Paygrades: E3-E6  
CIN: K-130-1159  
CDP: 342P  
Related NEC: 0406, 0411, 0508  
Open to Women: Yes  
Technical Advisor: NAVSEA 05 (PMS-411)  
ECM: BUPERS-322D

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)14 Undersea Warfare Control Functional Segment (UFCS) with the knowledge and skills to function as an Anti-Submarine Warfare Control System Operator (ASWCSO) during all phases of the ASW mission. Accepts, analyzes and processes targets/contact information from other sources and provides fire control data required to set and launch weapons.

Source Rating: STG  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 0508  
Primary Advisor: CNO N865  
Billet Paygrades: E4-E8  
Personnel Paygrades: E3-E8  
CIN: K-130-1164  
CDP: 02ML  
NR Ind: R  
Related NEC: 0430  
Open to Women: Yes  
Technical Advisor: NAVSEA 05 (PMS-411)  
ECM: BUPERS-322D

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 0419 or 0425 or 0495 or 0461  
Primary Advisor: CNO N871B  
Billet Paygrades: E4-E8  
Personnel Paygrades: E4-E8  
CIN: A-130-0009 or A-130-0010 or A-130-0038  
CDP: 750T, 750U, 850S, 2393, 849S, 849U, 850U, 851S, 04DT, 04DU, 04DV, 04DW, 04DX, 04DY  
NR Ind: N  
Related NEC:  
Open to Women: No  
Technical Advisor: NAVSEA 05  
ECM: BUPERS 323

STS-0519 Sonar Subsystem Equipment Operator
Possesses knowledge and skills required to operate the Virginia Class (SSN 774) AN/BQQ-10 Sonar Subsystem.

Source Rating: STS  
Course: Mandatory  
Sequence Code: 6  
Component NEC: 0419 or 0425 or 0495 or 0461  
Primary Advisor: CNO N871B  
Billet Paygrades: E1-E4  
Personnel Paygrades: E1-E8  
CIN: A-130-0030  
CDP: 4938  
NR Ind: R  
Related NEC:  
Open to Women: No  
Technical Advisor: NAVSEA 05  
ECM: BUPERS 323
STS-0520 Sonar, Combat Control and Architecture (S/CC/A) Equipment Technician
Operates and performs organizational level maintenance on all assigned Architecture (Network), Tactical Control/Information Management, Weapon Control and Acoustic equipment (AN/BYK-6, AN/BYG-1(V) and AN/BQQ-10(V)) of the Sonar, Combat Control and Architecture (S/CC/A) System on board Virginia class (SSN 774) submarines.

Source Rating: STS  
Billet Paygrades: E5-E8  
Personnel Paygrades: E4-E8  
Course: Mandatory  
CIN: A-150-0037 and A-130-0042  
A-150-0005 (P/L) or 00CD  
Sequence Code: 4  
Component NEC: 0519  
Related NEC:  
Primary Advisor: CNO N871B  
Technical Advisor: NAVSEA 05  
Source Rating: STG  
Course: Mandatory  
CIN: A-130-0038  
Sequence Code: 4  
Component NEC: 0521  
Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Source Rating: STG  
Course: Mandatory  
CIN: A-130-0039  
Sequence Code: 4  
Component NEC: 0521  
Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Source Rating: STG  
Course: Mandatory  
CIN: A-130-0338  
Sequence Code: 4  
Component NEC: 0519  
Related NEC:  
Primary Advisor: CNO N871B  
Technical Advisor: NAVSEA 05  
Source Rating: STG  
Course: Mandatory  
CIN: A-130-0339  
Sequence Code: 4  
Component NEC: 0521  
Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Source Rating: STG  
Course: Mandatory  
CIN: A-130-1165  
Sequence Code: 4  
Component NEC: 0521, 0450  
Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05

STG-0521 AN/SQQ-89(V)15 Sonar System Level I Operator
Operate all (V)15 functional segments and interpret display data for all USW mission phases. Perform normal, casualty and reduced capability operations in a USW environment. Utilizes the (V)15 System online and offline System Resource Manager (SRM) to support system light-off, shut-down and reconfigurations during tactical situations as instructed by the Sonar Supervisor.

Source Rating: STG  
Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
Course: Mandatory  
CIN: A-130-0005 (P/L) or A-150-0037 and A-130-0042  
Sequence Code: 4  
Component NEC: 0519  
Related NEC:  
Primary Advisor: CNO N871B  
Technical Advisor: NAVSEA 05  
Source Rating: STG  
Course: Mandatory  
CIN: A-130-0338  
Sequence Code: 4  
Component NEC: 0521  
Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Source Rating: STG  
Course: Mandatory  
CIN: A-130-0039  
Sequence Code: 4  
Component NEC: 0521  
Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Source Rating: STG  
Course: Mandatory  
CIN: A-130-0339  
Sequence Code: 4  
Component NEC: 0521  
Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Source Rating: STG  
Course: Mandatory  
CIN: A-130-1165  
Sequence Code: 4  
Component NEC: 0521, 0450  
Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05

STG-0522 AN/SQQ-89(V)15 Sonar System Level II Technician
Performs system light-off and shut-down, and organizational level maintenance on all AN/SQQ-89(V)15 Functional Segments. Recognizes and interprets system alerts and degraded/casualty indications and malfunctions. Utilizes the System Resource Manager (SRM) built-in Performance Monitor/Fault Detection/Fault Localization (PM/FD/FL) function to locate and correct faults to the Lowest Replaceable Unit (LRU). Performs preventive maintenance procedures as delineated in prescribed maintenance requirement documentation.

STG-0523 AN/SQQ-89(V)15 Sonar System Journeyman
Supervises AN/SQQ-89(V)15 Undersea Warfare Combat System equipment operation during all USW mission phases. Recognizes and interprets normal, casualty, and reduced capability operations onboard a ship in a tactical USW environment for all AN/SQQ-89(V)15 Functional Segments. Performs as the Undersea Warfare Control System Operator (USWCOSO) using the USW Control Function Segment (UCFS) during all phases of the USW mission. Utilizes the On-board Training Functional Segment (OBTFS) for operator and team training. Utilizes the (V)15 System online and offline System Resource Manager (SRM) to support system reconfigurations during tactical situations.
STG-0524 AN/SQQ-89A(V)15 Surface Ship USW Combat Systems Sensor Operator
Performs AN/SQQ-89A(V)15 system set-up and configuration procedures based on USW mission parameters. Operates the Acoustic Sensor Functional Segment (ASFS), Passive Acoustic Functional Segment (PAFS), LAMPS Sonobuoy Functional Segment (LSFS), Torpedo Recognition and Alertment Functional Segment (TRAFS), Sonar Performance Prediction Functional Segment-Sonar Tactical Decision Aid (SPPFS-STDA), and Common System Services Functional Segment (CSSFS) in all tactical situations to effectively detect, classify, localize, track and attack USW and small object contacts. Recognizes and interprets system alerts and degraded/casualty indications. Operates the System Resource Manager (SRM) to perform system reconfiguration, clear faults, or assist the maintenance technician with system troubleshooting.

Source Rating: STG
Billet Paygrades: E3-E6
Personnel Paygrades: E3-E6
Course: CIN: A-130-0061
Sequence Code: 4
Component NEC: Related NEC: CNO N869
Primary Advisor: Technical Advisor: NAVSEA 05
CIN: A-130-0061
Sequence Code: 4
Component NEC: 0524
Primary Advisor: CNO N869
Technical Advisor: NAVSEA 05
NOTE: NEC 0524 is awarded upon completion of AN/SQQ-89A(V)15 Surface Ship USW Combat Systems Sensor Operator factory training.

STG-0525 AN/SQQ-89A(V)15 Surface Ship USW Combat Systems Maintenance Technician
Performs system light-off and shut-down, and organizational level maintenance on all AN/SQQ-89A(V)15 Functional Segments. Recognizes and interprets system alerts and degraded/casualty indications and malfunctions. Utilizes the System Resource Manager (SRM) built-in Performance Monitoring/Fault Detection/Fault Localization (PM/FD/FL) function to locate the correct faults to the Lowest Replaceable Unit (LRU). Performs preventive maintenance procedures as delineated in prescribed maintenance requirements documentation.

Source Rating: STG
Billet Paygrades: E4-E8
Personnel Paygrades: E4-E8
Course: CIN: A-130-0062
Sequence Code: 4
Component NEC: Related NEC: CNO N869
Primary Advisor: Technical Advisor: NAVSEA 05
CIN: A-130-0062
Sequence Code: 4
Component NEC: 0524
Primary Advisor: CNO N869
Technical Advisor: NAVSEA 05
ECM: BUPERS-322D
NOTE:
1. Member must attend NEC 0524 course of instruction prior to attending 0525 training.
2. NEC 0525 is awarded upon completion of AN/SQQ-89A(V)15 Surface Ship USW Combat Systems Maintenance Technician factory training. Submit NAVPERS 1221-6 to PERS-4013D2 upon completion of training.

STG-0527 AN/SQQ-89A(V)15 Surface Ship USW Combat Systems Journeyman
Directs, coordinates, monitors, and manages the performance of AN/SQQ-89A(V)15 Sonar Control manned watch stations. Interprets sensor and support equipment outputs, recognizes and responds to environmental and tactical changes, and provides continuous tactical advice. Obtains and maintains a full understanding of the USW situation and makes effective use of the system's sensor and processing resources to achieve mission success. Performs all internal and external communications between the Sonar Control Watch Team and all other ship Watch Teams. In a duel role, operate the Undersea Warfare Control Functional Segment (UCFS) in all tactical situations to effectively classify, localize, track, and attack USW and small object contacts. Contact handling responsibilities include track management coordination including system-level add, merge and drop functions; working with the plotting team in developing TMA solutions; and coordinating contact classification changes between the Sonar Control and Combat Information Center teams. Fire control responsibilities include engagement planning and target prosecution using the Over-the-Side (OTS) torpedoes and VLS-launched ASROC (VLA). Recognizes and interprets system alerts and degraded/casualty indications. Operates the System Resource Manager (SRM) to perform system reconfiguration, clear faults, or assist the maintenance technician with UCFS troubleshooting.

Source Rating: STG
Billet Paygrades: E5-E7
Personnel Paygrades: E5-E7
Course: CIN: A-130-0063
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: Technical Advisor: NAVSEA 05
CIN: A-130-0063
Sequence Code: 3
Component NEC: 0450, 0524
Primary Advisor: CNO N869
Technical Advisor: NAVSEA 05
ECM: BUPERS-322D
NOTE:
1. NEC 0527 is awarded upon completion of AN/SQQ-89A(V)15 Surface Ship USW Combat Systems Journeyman factory training. Submit NAVPERS 1221-6 to PERS-4013D2.
2. Component NEC requirements are waived for personnel holding either 0466 or 0523. Submit NAVPERS 1221-6 to PERS-4013D2.
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  

Component NEC:  
Related NEC:  

Primary Advisor: CNO N871B  
Technical Advisor: SPAWAR  

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

GUNNER'S MATE

GM-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.

GM-0746 Advanced Undersea MK-46 Maintenance Weaponsman

Source Rating: GM, AO  
Billet Paygrades: E3-E8  
Personel Paygrades: E3-E9  

Course: Mandatory  
CIN: A-123-0174  
CDP: 012T  

Sequence Code: 3  
NR Ind: R  

Component NEC:  
Related NEC:  
Open to Women: Yes  

Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

GM-0750 Torpedo MK 48 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: GM, MM  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  

Course: Mandatory  
CIN: A-123-0198  
CDP: 03NJ  

Sequence Code: 5  
NR Ind: R  

Component NEC:  
Related NEC:  
Open to Women: Yes  

Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

GM-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: GM, MM, ET(SS), FT, STS  
Billet Paygrades: E5-E9  
Personnel Paygrades: E5-E9  

Course: Mandatory  
CIN: A-123-0198  
CDP: 03NJ  

Sequence Code: 3  
NR Ind: R  

Component NEC: 0750  
Related NEC:  
Open to Women: Yes  

Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D
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.

Billet Paygrades: E5-E9  
Personnel Paygrades: E5-E9  
Course: Mandatory  
Sequence Code: 7  
CIN: A-041-0148  
CDP: 0165, 703H, 691K  
Component NEC: See Note 3  
Primary Advisor: CNO N865, N889  
Technical Advisor: NAVAIR, NAVSEA 05  
Related NEC:  
Open to Women: Yes  
ECM: BUPERS-322D  
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-0814 Crew Served Weapons (CSW) Instructor
Provides Command personnel training to qualify as command anti-terrorism (AT) watchstanders as a Crew Served Weapons operator. In addition, this person will assist the AT Training Supervisor in the development and conduct of AT exercises, CSW Casualty Control drills and tactical employment of CSW training. The CSW Instructor will maintain a command CSW training program and assist the ATO with readiness and vulnerability assessments.

Source Rating: OPEN  
Billet Paygrades: E5-E9  
Personnel Paygrades: E5-E9  
Course: Mandatory  
Sequence Code: 7  
CIN: A-830-2215  
CDP: 00C6  
Component NEC:  
Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Open to Women: Yes  
ECM: BUPERS-322D

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  
Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E9  
Course: Mandatory  
Sequence Code: 4  
CIN: A-113-0040  
CDP: 404L  
Component NEC:  
Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Open to Women: Yes  
ECM: BUPERS-322D

GM-0879 5"/54 Caliber Gun System MK-45 MOD 1 and 2 Maintenanceman
Operates and maintains the 5/54 caliber MK-45 MOD 1 and 2 Gun Mount. Uses general and special purpose electronic test equipment to perform organizational level maintenance.

Source Rating: GM  
Billet Paygrades: E3-E8  
Personnel Paygrades: E3-E8  
Course: Mandatory  
Sequence Code: 3  
CIN: A-113-1118  
CDP: 744V, 744W  
Component NEC:  
Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Open to Women: Yes  
ECM: BUPERS-322D
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 Munitions (ERGM). Inspects and maintains magazines including magazine sprinkling systems.

Source Rating: GM  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 0879  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E8  
Personnel Paygrades: E3-E8  
CIN: A-113-2101  
CDP: 735A  
Related NEC:  
Technical Advisor: NAVSEA 05  
NR Ind:  R  
Open to Women: Yes  
ECM: BUPERS-322D

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 0981  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CIN: A-121-0580  
CDP: 627A, 627B  
Related NEC: 0983  
NR Ind:  R  
Open to Women: Yes  
ECM: BUPERS-322D

GM-0981 and 0983 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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 0981  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CIN: A-121-0522  
CDP: 1993, 575C  
Related NEC:  
Technical Advisor: NAVSEA 05  
NR Ind:  R  
Open to Women: Yes  
ECM: BUPERS-322D

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-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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: 0981  
Primary Advisor: CNO N865  
Billet Paygrades: E7-E9  
Personnel Paygrades: E7-E9  
CIN: S-121-1000  
CDP: 0136  
Related NEC:  
Technical Advisor: NAVSEA 05  
NR Ind:  N  
Open to Women: Yes  
ECM: BUPERS-322D
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, tests, 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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
CIN: A-113-0102  
Related NEC: 1102  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E3-E9  
CDP: 9684  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322D

FC-1102 MK-92 Fire Control System Technician
Performs preventive and corrective maintenance on assigned equipment at the organizational and intermediate level using NAVSEA 05 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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
CIN: A-113-0080  
Related NEC:  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E3-E9  
CDP: 036X  
NR Ind: N  
Open to Women: Yes  
ECM: BUPERS-322D

FC-1104 AEGIS Combat System (BL4) Maintenance Supervisor
Directs and coordinates maintenance actions, tests 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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
CIN: S-121-0548  
Related NEC: 1105 or 1331 or 1336  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E7-E9  
CDP: 941F  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322D

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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
CIN: S-121-0547  
Related NEC: 1107 or 1115 or 1119 or 1143 or 1144  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E6-E9  
CDP: 198N  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322D
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  
Course: Mandatory  
Sequence Code: 3  
Component NEC:  
Primary Advisor: CNO N865

Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E9  
CIN: S-104-0191  
CDP: 035D  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

FC-1109 MK-31 RAM Mod 3 O&M
Designed to provide an operational and maintenance difference description of the MK-31 RAM Mod 3 GMWS, including system capabilities, Weapon Control Panel Operations, and maintenance knowledge to personnel with the RAM 1145 NEC.

Source Rating: FC  
Course:  
Sequence Code: 4  
Component NEC: 1145  
Primary Advisor: CNO N865

Billet Paygrades: E3-E7  
Personnel Paygrades: E4-E8  
CIN: A-113-2103  
CDP: 7891 (East Coast)  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

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  
Course:  
Sequence Code: 5  
Component NEC:  
Primary Advisor: CNO N865

Billet Paygrades: E4-E9  
Personnel Paygrades: E4-E9  
CIN:  
CDP:  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC:  
Primary Advisor: CNO N865

Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E9  
CIN: S-150-0238  
CDP: 035B  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC:  
Primary Advisor: CNO N865

Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E9  
CIN: S-104-0210  
CDP: 198K  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D
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: Mandatory  
CIN: A-113-0131  
CDP: 574Z
Sequence Code: 5  
NR Ind: R
Component NEC: Related NEC:  
Open to Women: Yes
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

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
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: E4-E9  
Personnel Paygrades: E3-E9
Course: Mandatory  
CIN: A-113-0114  
CDP: 156A, 574Y
Sequence Code: 5  
NR Ind: R
Component NEC: Related NEC: 1127  
Open to Women: Yes
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

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: Mandatory  
CIN: A-113-0206  
CDP: 663P, 02VS
Sequence Code: 5  
NR Ind: N
Component NEC: 1121  
Related NEC:  
Open to Women: Yes
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

FC-1136 Tactical Tomahawk Weapon Control System (TTWCS) Operation and Maintenance (O&M) Technician
The TTWCS O&M Technician operates the Advanced Tomahawk Display Console (ATDC) 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 over water 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; performs Launch Platforms Mission Planning for Block III and Tactical Tomahawk missiles; performs and monitors post launch activities such as retargeting and mission flexing of missiles, receipt of enroute Battle Damage Indication Imagery (BDII) and health and status messages.

Source Rating: FC  
Billet Paygrades: E4-E9  
Personnel Paygrades: E3-E9
Course: Mandatory  
CIN: A-121-0015  
CDP: 627J, 891T, 01MW, 01MX
Sequence Code: 4  
NR Ind: N
Component NEC: Related NEC: 1110, 1332, 1334  
Open to Women: Yes
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D
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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 1120  
Primary Advisor: CNO N865

Billet Paygrades: E4-E8  
Personnel Paygrades: E3-E9  
CIN: A-113-0125  
CDP: 582L  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: 1120  
Primary Advisor: CNO N865

Billet Paygrades: E4-E9  
Personnel Paygrades: E3-E9  
CIN: A-104-0206  
CDP: 574U  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: 1120  
Primary Advisor: CNO N865

Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E9  
CIN: S-104-0211  
CDP: 198J  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

NOTE: All grads of CIN S-104-0192 are eligible to hold FC-1143

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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: 1120  
Primary Advisor: CNO N865

Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E9  
CIN: S-150-0274  
CDP: 198G  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: 1120  
Primary Advisor: CNO N865

Billet Paygrades: E3-E7  
Personnel Paygrades: E4-E7  
CIN: A-113-0128  
CDP: 575D  
NR Ind: N  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D
FC-1146 Gun Computer System (GCS) MK 160 MOD 9/10 Fire Control Technician
Performs planned and corrective maintenance on the Gun Computer System MK 160 MODs 9 and 10 of the Gun Weapon System MK 34 MODs 2 and 3, respectively, at the organizational 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 associated equipment in support of the ship’s combat-weapon system in a tactical situation and during test and evaluation.

Source Rating: FC
Course: Mandatory
Sequence Code: 4
Component NEC: 1139
Primary Advisor: CNO N869

Billet Paygrades: E4-E8
CIN: A-113-0196
Related NEC: Open to Women: Yes
Technical Advisor: NAVSEA 05
Personnel Paygrades: E4-E9
CDP: 749F
ECM: BUPERS-322D
NR Ind: R

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
Course: Mandatory
Sequence Code: 2
Component NEC: Related NEC:
Primary Advisor: CNO N865

Billet Paygrades: E3-E9
CIN: A-104-0204
Related NEC: Open to Women: Yes
Technical Advisor: NAVSEA 05
Personnel Paygrades: E3-E9
CDP: 574T
ECM: BUPERS-322D
NR Ind: R

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
Course: Mandatory
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: CNO N865

Billet Paygrades: E4-E7
CIN: A-121-0471
Related NEC: Open to Women: Yes
Technical Advisor: NAVSEA 05
Personnel Paygrades: E4-E7
CDP: 591D
ECM: BUPERS-322D
NR Ind: R

FC-1152 AN/SYQ-27 Naval Fire Control System (NFCS) Phase I Fire Control Technician
Performs planned and corrective maintenance on the AN/SYQ-27 NFCS Phase I Tactical Rack at the organizational level. Performs casualty analysis, fault detection/isolation, modular replacement, repair and test using Built-In Test Capability. Operates the AN/SYQ-27 NFCS Phase I System to conduct naval surface fires mission planning and coordination, recommends execution of fires mission and processes digital and voice Calls-For-Fire (CFF). Supports the safe and effective fire employment of conventional gun ammunition and the Extended Range Guided Munition.

Source Rating: FC
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N865

Billet Paygrades: E4-E7
CIN: A-150-0052
Related NEC: Open to Women: Yes
Technical Advisor: NAVSEA 05
Personnel Paygrades: E4-E9
CDP: 647L, 00A0
ECM: BUPERS-322D
NR Ind: R

FC-1156 NATO Seasparrow Surface Missile System (NSSMS) MK57 MOD's 4-9
Performs preventative and corrective maintenance on the rearchitected 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
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N865

Billet Paygrades: E4-E9
CIN: A-104-0042
Related NEC: Open to Women: Yes
Technical Advisor: NAVSEA 05 (PMS-471)
Personnel Paygrades: E4-E9
CDP: 741L, 00EV
ECM: BUPERS-322D
NR Ind: R

Open to Women: Yes
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: Mandatory
- CIN: A-121-0553
- CDP: 591G
- Sequence Code: 3
- Component NEC: 1147 or 1149
- Related NEC:
- Open to Women: Yes
- Primary Advisor: CNO N865
- Technical Advisor: NAVSEA 05
- ECM: BUPERS-322D

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

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.

- Source Rating: FC
- Billet Paygrades: E4-E6
- Personnel Paygrades: E4-E7
- Course: Mandatory
- CIN: A-150-0006
- CDP: 5396
- Sequence Code: 4
- Component NEC:
- Related NEC:
- Open to Women: Yes
- Primary Advisor: CNO N865
- Technical Advisor: NAVSEA 05 (PMS-461)
- CDP: 5396
- NR Ind: R
- Open to Women: Yes
- ECM: BUPERS-322D

FC-1165 Ship Self Defense System (SSDS) MK1 Systems Technician
The SSDS MK1 Systems Technician fulfills 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 MK1 Maintenance Technicians and other personnel performing maintenance on the SSDS MK1 system.

- Source Rating: FC
- Billet Paygrades: E6-E7
- Personnel Paygrades: E5-E8
- Course: See Note
- CIN:
- CDP:
- Sequence Code: 3
- Component NEC: 0347, 1164
- Related NEC:
- Open to Women: Yes
- Primary Advisor: CNO N865
- Technical Advisor: NAVSEA 05 (PMS-461)
- ECM: BUPERS-322D

NOTE: NEC 1165 is awarded by completing CIN: A-150-0005 Ship Self Defense System (SSDS) MK1 Operator (NEC FC-0347) and CIN: A-150-0006 Ship Self Defense System (SSDS) MK1 Maintenance Technician (NEC FC-1164). Personnel eligible to be awarded this NEC should submit NAVPERS Form 1221/6 signed by their Commanding Officer to PERS-4013D2.

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: Mandatory
- CIN: J-113-1000
- CDP: 197W, 0280
- Sequence Code: 5
- Component NEC:
- Related NEC:
- Open to Women: Yes
- Primary Advisor: CNO N865
- Technical Advisor: NAVSEA 05
- ECM: BUPERS-322D
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 Control System MK-1 Vertical Launch subsystem on 688 class SSNs.

Source Rating: FT  
Billet Paygrades: E4-E9  
Personnel Paygrades: E3-E9  
Course: Mandatory  
CIN: A-130-0301  
CDP: 108U  
Sequence Code: 5  
Related NEC: 
Primary Advisor: CNO N871B  
Technical Advisor: NAVSEA 05  
ECM: BUPERS 323  
NR Ind: R  
Open to Women: No

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: Mandatory  
CIN: 
CDP: 
Sequence Code: 5  
Related NEC: 
Primary Advisor: CNO N871B  
Technical Advisor: NAVSEA 05  
ECM: BUPERS 323  
NR Ind: R  
Open to Women: No

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: Mandatory  
CIN: A-113-0181 (P/L)  
CDP: 1419  
Sequence Code: 5  
Related NEC: 
Primary Advisor: CNO N871B  
Technical Advisor: NAVSEA 05  
ECM: BUPERS 323  
NR Ind: R  
Open to Women: No

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: Mandatory  
CIN: A-113-0008  
CDP: 03KA  
Sequence Code: 3  
NR Ind: N  
Related NEC: 
Primary Advisor: CNO N871B  
Technical Advisor: NAVSEA 05  
ECM: BUPERS 323  
Open to Women: No

MINEMAN

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: Mandatory  
CIN: A-647-2755  
CDP: 293M  
Sequence Code: 4  
Related NEC: 
Primary Advisor: CNO N859  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D  
NR Ind: R  
Open to Women: Yes
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
Course: Mandatory
Sequence Code: 5
Component NEC: CNO N859
Primary Advisor: CNO N859
Related NEC: NAVSEA 05
Technical Advisor: NAVSEA 05
Billet Paygrades: E5-E6
Personnel Paygrades: E5-E6
CIN: A-647-2754
CDP: 293L
NR Ind: R
Open to Women: Yes
ECM: BUPERS-322D

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
Course: Mandatory
Sequence Code: 5
Component NEC: CNO N859
Primary Advisor: CNO N859
Related NEC: NAVSEA 05
Technical Advisor: NAVSEA 05
Billet Paygrades: E3-E5
Personnel Paygrades: E3-E5
CIN: A-647-2758
A-647-2756
CDP: 641K
293T
NR Ind: A
Open to Women: Yes
ECM: BUPERS-322D

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
Course: Mandatory
Sequence Code: 4
Component NEC: 1210
Primary Advisor: CNO N859
Related NEC: NAVSEA 05
Technical Advisor: NAVSEA 05
Billet Paygrades: E4-E6
Personnel Paygrades: E4-E6
CIN: A-647-2758
NR Ind: A
Open to Women: Yes
ECM: BUPERS-322D

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
Course: Mandatory
Sequence Code: 3
Component NEC: 1213
Primary Advisor: CNO N859
Related NEC: NAVSEA 05 (PMS-490)
Technical Advisor: NAVSEA 05
Billet Paygrades: E4-E7
Personnel Paygrades: E3-E8
CIN: A-130-0370
NR Ind: R
Open to Women: No
ECM: BUPERS-322D

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
Rating: ET, STG, OS
Course: Mandatory
Sequence Code: 4
Component NEC: 1213
Primary Advisor: CNO N859
Related NEC: NAVSEA 05
Technical Advisor: NAVSEA 05
Billet Paygrades: E3-E7
Personnel Paygrades: E3-E8
CIN: A-130-0369
NR Ind: R
Open to Women: No
ECM: BUPERS-322D

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 devices. Conducts preventive maintenance and troubleshooting analysis. Isolates and repairs system faults and failures.

Source Rating: FT
Course: Mandatory
Sequence Code: 4
Component NEC: 1312
Primary Advisor: CNO N871B
Billet Paygrades: E4-E9
Personnel Paygrades: E3-E9
CIN: A-130-0301
Related NEC:
Technical Advisor: NAVSEA 05
CDP: 108U
NR Ind: N
Open to Women: No
ECM: BUPERS 323

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 devices. Conducts preventive maintenance and troubleshooting analysis. Isolates and repairs system faults and failures.

Source Rating: FT
Course: Mandatory
Sequence Code: 4
Component NEC: 1312
Primary Advisor: CNO N871B
Billet Paygrades: E4-E9
Personnel Paygrades: E3-E9
CIN: A-130-0301
Related NEC:
Technical Advisor: NAVSEA 05
CDP: 3328
NR Ind: N
Open to Women: No
ECM: BUPERS 323

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
Course: Mandatory
Sequence Code: 4
Component NEC: 1174 or 1175 or 1179 or 1194 or 1131 or 1313 or 1315 or 1320 or 1327
Primary Advisor: CNO N871B
Billet Paygrades: E4-E8
Personnel Paygrades: E3-E8
CIN: A-113-0003
Related NEC:
Technical Advisor: NAVSEA 05
CDP: 3328
NR Ind: N
Open to Women: No
ECM: BUPERS 323

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
Course: Mandatory
Sequence Code: 4
Component NEC: 1312
Primary Advisor: CNO N871B
Billet Paygrades: E4-E9
Personnel Paygrades: E3-E9
CIN: A-113-0205
Related NEC:
Technical Advisor: NAVSEA 05
CDP: 993C
NR Ind: R
Open to Women: No
ECM: BUPERS 323

FT-1316 AN/BYG-1 (V) TI04 Combat Control Maintenance Technician
Operates and performs organizational level maintenance on all assigned Tactical Control / Information Management (TC/IM), and Weapons Control (WC) equipment (AN/BYG-1 (V) TI04). Conducts preventive maintenance and troubleshooting analysis. Isolates and repairs system faults and failures.

Source Rating: FT
Course: Mandatory
Sequence Code: 4
Component NEC: 1312 or 1313 or 1314 or 1315 or 1320 or 1179 or 1174 or 1175 or 1194
Primary Advisor: CNO N871B
Billet Paygrades: E4-E8
Personnel Paygrades: E3-E9
CIN: A-113-0205
Related NEC:
Technical Advisor: NAVSEA 05
CDP: 993C
NR Ind: R
Open to Women: No
ECM: BUPERS 323

NOTE: Must be eligible for submarine service duty.
FT-1317 SSGN Tactical Tomahawk Weapon System (TTWCS) Operator
Performs normal operations and basic preventive maintenance on the TTWCS system and associated support and test equipment. Assists in correcting TTWCS casualties. Performs internal and external communications. Troubleshoots and performs operational readiness test of systems, and adheres to safety precautions applicable to the SSGN TTWCS system. Participate in weapon system evolutions.

Source Rating: FT  
Course: Mandatory  
Sequence Code: 6  
Component NEC: Related NEC:  
Primary Advisor: CNO N871B  
Technical Advisor: DIRSSP  
Billet Paygrades: E3-E5  
Personnel Paygrades: E3-E5  
Sequence Code: 2  
Component NEC: Related NEC:  
Primary Advisor: CNO N871B  
Technical Advisor: DIRSSP  
Billet Paygrades: E3-E5  
Personnel Paygrades: E3-E5  
Sequence Code: 2  
Component NEC: Related NEC:  
Primary Advisor: CNO N871B  
Technical Advisor: DIRSSP  
Billet Paygrades: E3-E5  
Personnel Paygrades: E3-E5

FC-1318 AEGIS Computer Network Technician, Track II
Performs preventive and corrective maintenance on the ADS MK6 and UYQ-70 Display Systems on Baseline 7 Phase I, DDG-91 and follow-on AEGIS Destroyers.

Source Rating: FC  
Course: Mandatory  
Sequence Code: 2  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
Sequence Code: 2  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
Sequence Code: 2  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7

FT-1319 SSGN Tactical Tomahawk Weapon System (TTWCS) Maintenance Technician
Perform organizational and/or intermediate level maintenance and operate all assigned equipment with the TTWCS and associated support and test equipment on the 726 Class SSGN TTWCS. Troubleshoot and perform operational readiness test of the system and adhere to safety precautions applicable to the SSGN TTWCS. Isolate and repair system faults and failures. Participate in SSGN TTWCS evolutions.

Source Rating: FT  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N871B  
Technical Advisor: NAVSEA 05  
Billet Paygrades: E5-E8  
Personnel Paygrades: E5-E8  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N871B  
Technical Advisor: NAVSEA 05  
Billet Paygrades: E5-E8  
Personnel Paygrades: E5-E8  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N871B  
Technical Advisor: NAVSEA 05  
Billet Paygrades: E5-E8  
Personnel Paygrades: E5-E8

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N871B  
Technical Advisor: NAVSEA 05  
Billet Paygrades: E4-E9  
Personnel Paygrades: E3-E9  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N871B  
Technical Advisor: NAVSEA 05  
Billet Paygrades: E4-E9  
Personnel Paygrades: E3-E9  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N871B  
Technical Advisor: NAVSEA 05  
Billet Paygrades: E4-E9  
Personnel Paygrades: E3-E9

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, GM, STG, ET, MN, CTT  
Course: Mandatory  
Sequence Code: 2  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Billet Paygrades: E7-E9  
Personnel Paygrades: E7-E9  
Sequence Code: 2  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Billet Paygrades: E7-E9  
Personnel Paygrades: E7-E9  
Sequence Code: 2  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Billet Paygrades: E7-E9  
Personnel Paygrades: E7-E9
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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E7  
CIN: S-150-0275  
CDP: 960W  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E8  
Personnel Paygrades: E3-E8  
CIN: A-113-0065  
CDP: 738A  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E4-E6  
Personnel Paygrades: E4-E6  
CIN: S-150-1001  
CDP: 3013, 5739, 749A  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVSEA 05 (PMS-465)  
ECM: BUPERS-322D

NOTE: Awarded upon completion of Factory Training.

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E4-E6  
Personnel Paygrades: E4-E6  
CIN: A-113-0162  
CDP: 316K, 474L  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

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

Source Rating: FT  
Course: Mandatory  
Sequence Code: 6  
Component NEC: CNO N871B  
Primary Advisor: CNO N871B  
Billet Paygrades: E3-E5  
Personnel Paygrades: E3-E5  
CIN: A-113-0133  
CDP: 6709 and 986E  
Related NEC:  
Open to Women: No  
Technical Advisor: NAVSEA 05  
ECM: BUPERS 323
FT-1328 Master Fire Control Technician
Possesses knowledge and skills required to direct contact management and weapon control teams in advanced tactics, Torpedo Employment, Over-The-Horizon Targeting, Electronic Plot Evaluation, and Submarine Tomahawk Weapon Control System Employment.

Source Rating: FT  
Course: Mandatory  
Sequence Code: 3  
Component NEC: 1174 or 1175 or 1179 or 1194 or 1312 or 1313 or 1315 or 1320  
Primary Advisor: CNO N871B  
Billet Paygrades: E6-E9  
CIN: A-113-0002 (P/L)  
Related NEC:  
Personnel Paygrades: E5-E9  
CDP: 313P  
Open to Women: No  
ECM: BUPERS 323

FT-1329 Combat Control Subsystem Equipment Operator
Operates the AN/BYG-1 (V) TI-00/02 Combat Control Subsystem.

Source Rating: FT  
Course: Mandatory  
Sequence Code: 6  
Component NEC: N871B  
Primary Advisor: CNO N871B  
Billet Paygrades: E1-E4  
CIN: A-113-0200  
Related NEC:  
Personnel Paygrades: E4-E8  
CDP: 641G  
Open to Women: No  
ECM: BUPERS 323

FT-1330 Combat Control, Sonar and Architecture (CC/S/A) Equipment Technician
Operates and performs organizational level maintenance on all assigned Architecture (Network) Tactical Control/Information Management, Weapon Control and Acoustic equipment (AN/BYK-6, AN/BYG-1(V) and AN/BQQ-10(V) of the Combat Control, Sonar and Architecture (CC/S/A) System of the VIRGINIA Class Submarine.

Source Rating: FT  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 1329, 1327  
Primary Advisor: CNO N871B  
Billet Paygrades: E5-E7  
CIN: A-150-0037  
A-113-0204  
A-113-0006 (P/L)  
Related NEC:  
Personnel Paygrades: E4-E8  
CDP: 00CD  
993B  
02EZ  
Open to Women: No  
ECM: BUPERS 323

FC-1331 AEGIS Weapons System Technician
Direct, coordinate and operate the AEGIS Weapons System including: SPY-1D(V), CND, WCS, ADS, FCS, VLS, SM2, ORTS, ACTS and AEGIS Combat System (ACS) interfaces via local area networks (LANs) with other systems. Provide supervision and guidance for organizational maintenance through the element level technicians.

Source Rating: FC  
Course: Mandatory  
Sequence Code: 2  
Component NEC: 1105 or 1107 or 1115 or 1119 or 1335 or 1336 or 1143 or 1144  
Primary Advisor: CNO N865  
Billet Paygrades: E5-E9  
CIN: S-121-0574  
Related NEC:  
Personnel Paygrades: E5-E9  
CDP: 735B  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322D
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
Course: See Notes
Billet Paygrades: E7-E9
Personnel Paygrades: E6-E9
Sequence Code: 3
CIN:
CDP:
Component NEC: 1110 or 1334 or 1136
Related NEC:
Primary Advisor: CNO N865
Technical Advisor: NAVSEA 05

NOTES:
1. This NEC may be earned by completion of three formal training courses:
   a. Tomahawk Watch Officers Course  CIN: A-121-0017   CDP: 632Y, 632Z
   b. OTH-T C4I Course                       CIN: K-121-0127
   c. C4I Systems engineering Course  CIN: K-121-0181

Personnel who complete the three formal courses listed will be awarded NEC FC-1332. Submit NAVPERS 1221/6 to PERS-4013D2.

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 should utilize a “Functional Area Code” (FAC) in the manning requisition, requiring this additional training.

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 over water 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
Course: Mandatory
Billet Paygrades: E4-E7
Personnel Paygrades: E4-E7
Sequence Code: 5
CIN: A-121-1334
CDP: 646E
Component NEC: Related NEC: 0332, 1110, 1332
Primary Advisor: CNO N865
Technical Advisor: NAVSEA 05

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
Course: Mandatory
Billet Paygrades: E3-E7
Personnel Paygrades: E3-E7
Sequence Code: 3
CIN: S-150-0277
CDP: 313V
Component NEC: Related NEC:
Primary Advisor: CNO N865
Technical Advisor: NAVSEA 05 (PMS-461)
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.

Source Rating: FC  
Course: Mandatory  
Sequence Code: 3  
Component NEC: 1105 or 1107 or 1115 or 1119 or 1143 or 1144 or 1335  
Primary Advisor: CNO N865  
Technical Advisor: AEGIS TRAREDCEN  
ECM: BUPERS-322D

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N865  
Technical Advisor: AEGIS TRAREDCEN  
ECM: BUPERS-322D

FC-1339 AEGIS Computer Network Technician, Track III
The AEGIS Computer Network Technician, Track III will perform preventive and corrective maintenance for the ADS MK6 and UYQ-70 Display Systems on Baseline 7 Phase IR, DDG-103 and follow-on AEGIS Destroyers.

Source Rating: FC  
Course: Mandatory  
Sequence Code: 2  
Component NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

FC-1340 AEGIS Weapon System MK-7 (TK-II) Supervisor
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. Directly supervises efforts of AWS technicians. Assists maintenance officer in scheduling equipment maintenance requirements.

Source Rating: FC  
Course: See Note  
Sequence Code: 3  
Component NEC: 1341, 1342, 1343, 1344  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

NOTE: This NEC is awarded based on advancement to E-7 of personnel who hold one of the component NECs. Submission of NAVPERS 1221/6 to NAVPERSCOM (PERS-4013) requesting NEC will be required.

FC-1341 AEGIS Weapon System MK-7 (TK-II) Technician/AN/SPY-1 Radar (TK-I or II) Supervisor
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. Directly supervises efforts of AN/SPY-1 Radar technicians.

Source Rating: FC  
Course: Mandatory  
Sequence Code: 3  
Component NEC: 1107, 1119  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D
FC-1342 AEGIS Weapon System MK-7 (TK-II) Technician/AEGIS Fire Control System MK-99/Operational Readiness Test System MK-1 (TK-I or II) Supervisor

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. Directly supervises efforts of AEGIS Fire Control System MK-99/Operational Readiness Test System MK-1 technicians.

Source Rating: FC
Course: Mandatory
Sequence Code: 3
Component NEC: 1143
Primary Advisor: CNO N865

Billet Paygrades: E6-E9
Personnel Paygrades: E6-E9
CIN: S-121-0547
CDP: 198N
Related NEC:
NR Ind: N
Open to Women: Yes
Technical Advisor: NAVSEA 05
ECM: BUPERS-322D

FC-1343 AEGIS Weapon System MK-7 Technician (TK-II)/AEGIS Computer System (TK-II) Supervisor

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. Directly supervises efforts of AEGIS Computer System technicians.

Source Rating: FC
Course: Mandatory
Sequence Code: 3
Component NEC: 1144
Primary Advisor: CNO N865

Billet Paygrades: E6-E9
Personnel Paygrades: E6-E9
CIN: S-150-0274, S-121-0547
CDP: 198G, 198N
Related NEC:
NR Ind: N
Open to Women: Yes
Technical Advisor: NAVSEA 05
ECM: BUPERS-322D

FC-1344 AEGIS Weapon System MK-7 (TK-II) Technician/AEGIS Display System (TK-I or II) Supervisor

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. Directly supervises efforts of AEGIS Display System technicians.

Source Rating: FC
Course: Mandatory
Sequence Code: 3
Component NEC: 1115, 1322
Primary Advisor: CNO N865

Billet Paygrades: E6-E9
Personnel Paygrades: E6-E9
CIN: S-121-0547, S-150-0238
CDP: 198N, 035B
S-150-0275
960W
Related NEC:
NR Ind: N
Open to Women: Yes
Technical Advisor: NAVSEA 05
ECM: BUPERS-322D

FC-1350 AEGIS Weapon System MK-7 (TK-III) Supervisor

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. Directly supervises efforts of AWS technicians. Assists maintenance officer in scheduling equipment maintenance requirements.

Source Rating: FC
Course: See Note
Sequence Code: 3
Component NEC: 1351, 1352, 1355
Primary Advisor: CNO N865

Billet Paygrades: E7-E9
Personnel Paygrades: E7-E9
CIN:
CDP:
NR Ind: N
Open to Women: Yes
Technical Advisor: NAVSEA 05
ECM: BUPERS-322D

NOTE: This NEC is awarded based on advancement to E-7 of personnel who hold one of the component NECs. Submission of NAVPERS 1221/6 to NAVPERSCOM (PERS-4013) requesting NEC will be required.

FC-1351 AEGIS Weapon System MK-7 (TK-III) Technician/AN/SPY-1 Radar (TK-II) Supervisor

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. Directly supervises efforts of AN/SPY-1 Radar technicians.

Source Rating: FC
Course: Mandatory
Sequence Code: 3
Component NEC: 1119
Primary Advisor: CNO N865

Billet Paygrades: E6-E9
Personnel Paygrades: E6-E9
CIN: S-104-0210, S-121-0005
CDP: 198K, 5584
Related NEC:
NR Ind: N
Open to Women: Yes
Technical Advisor: NAVSEA 05
ECM: BUPERS-322D
FC-1352 AEGIS Weapon System MK-7 (TK-III) Technician/AEGIS Fire Control System MK-99/Operational Readiness Test System MK-1 (TK-II) Supervisor

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. Directly supervises efforts of AEGIS Fire Control System MK-99/Operational Readiness Test System MK-1 technicians.

Source Rating: FC  
Course: Mandatory  
Sequence Code: 3  
Component NEC: 1143  
Primary Advisor: CNO N865

Billet Paygrades: E6-E9  
Personnel Paygrades: E6-E9  
CIN: S-121-0005  
Related NEC:  
Technical Advisor: NAVSEA 05  
NR Ind: N  
Open to Women: Yes  
ECM: BUPERS-322D

FC-1355 AEGIS Weapon System MK-7 Technician (TK-III)/AEGIS Computer Network Technician (TK-I) Supervisor

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. Directly supervises efforts of AEGIS Computer Network technicians.

Source Rating: FC  
Course: Mandatory  
Sequence Code: 3  
Component NEC: 1335  
Primary Advisor: CNO N865

Billet Paygrades: E6-E9  
Personnel Paygrades: E6-E9  
CIN: S-150-0277, S-121-0005  
Related NEC:  
Technical Advisor: NAVSEA 05  
NR Ind: N  
Open to Women: Yes  
ECM: BUPERS-322D

FC-1360 AEGIS Weapon System MK-7 (TK-IV) Supervisor

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. Directly supervises efforts of AWS technicians. Assists maintenance officer in scheduling equipment maintenance requirements.

Source Rating: FC  
Course: See Note  
Sequence Code: 3  
Component NEC: 1361, 1362, 1365  
Primary Advisor: CNO N865

Billet Paygrades: E7-E9  
Personnel Paygrades: E7-E9  
CIN:  
CDP:  
Related NEC:  
Technical Advisor: NAVSEA 05  
NR Ind: N  
Open to Women: Yes  
ECM: BUPERS-322D

NOTE: This NEC is awarded based on advancement to E-7 of personnel who hold one of the component NECs. Submission of NAVPERS 1221/6 to NAVPERSCOM (PERS-4013) requesting NEC will be required.

FC-1361 AEGIS Weapon System MK-7 Technician (TK-IV)/AN/SPY-1 Radar (TK-III) Supervisor

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. Directly supervises efforts of AN/SPY-1 Radar technicians.

Source Rating: FC  
Course: Mandatory  
Sequence Code: 3  
Component NEC: 1337  
Primary Advisor: CNO N865

Billet Paygrades: E6-E9  
Personnel Paygrades: E6-E9  
CIN: S-104-0996, S-121-0574  
CDP: 5583, 735B  
Related NEC:  
Technical Advisor: NAVSEA 05  
NR Ind: N  
Open to Women: Yes  
ECM: BUPERS-322D

FC-1362 AEGIS Weapon System MK-7 Technician (TK-IV)/AEGIS Fire Control System MK-99/Operational Readiness Test System MK-1 (TK-II) Supervisor

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. Directly supervises efforts of AEGIS Fire Control System MK-99/Operational Readiness Test System MK-1 technicians.

Source Rating: FC  
Course: Mandatory  
Sequence Code: 3  
Component NEC: 1143  
Primary Advisor: CNO N865

Billet Paygrades: E6-E9  
Personnel Paygrades: E6-E9  
CIN: S-121-0574, S-150-0211  
CDP: 735B, 198J  
Related NEC:  
Technical Advisor: NAVSEA 05  
NR Ind: N  
Open to Women: Yes  
ECM: BUPERS-322D
FC-1365 AEGIS Weapon System MK-7 (TK-IV) Technician/AEGIS Computer Network Technician (TK-II or III) Supervisor
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. Directly supervises efforts of AEGIS Computer Network technicians.

Source Rating: FC
Course: Mandatory
Sequence Code: 3
Component NEC: 1318, 1339
Primary Advisor: CNO N865
Billet Paygrades: E6-E9
CIN: S-150-0279, S-150-0182, S-121-0574
Personnel Paygrades: E6-E9
CDP: 652N, 00RG, 735B
Related NEC:
Technical Advisor: AEGIS Computer Network
Open to Women: Yes
ECM: NAVSEA 05

ELECTRONICS TECHNICIAN

ET-1402 Tactical Communications Maintenance Technician - Deleted

ET-1403 AN/WSC-6(V)5 Super High Frequency (SHF) Satellite Communications (SATCOM) Maintenance
Provide Electronics Technician with the knowledge and skills necessary to effectively perform operations, preventive and corrective maintenance on the AN/WSC-6(V)5 SHF SATCOM terminal and related baseband equipment.

Source Rating: ET
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N6
Billet Paygrades: E4-E7
CIN:
Personnel Paygrades: E3-E7
CDP:
Related NEC:
Open to Women: Yes
Technical Advisor: NAVSEA 05, SPAWAR, NETWARCOM N1B

ET-1404 AN/WSC-8 Super High Frequency (SHF) Satellite Communications (SATCOM) Maintenance
Provide Electronics Technician with the knowledge and skills necessary to effectively perform operations, preventive and corrective maintenance on the AN/WSC-8 SHF SATCOM terminal and related baseband equipment.

Source Rating: ET
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N6
Billet Paygrades: E3-E7
CIN:
Personnel Paygrades: E3-E7
CDP:
Related NEC:
Open to Women: Yes
Technical Advisor: NAVSEA 05, SPAWAR, NETWARCOM N1B

ET-1405 AN/WSC-6(V)7 Combatant Super High Frequency (SHF) Satellite Communications (SATCOM) Maintenance
Perform system operations, including operational tests on the AN/WSC-6(V)7 SHF SATCOM terminal and related baseband equipment. Uses general purpose test equipment, built-in test equipment, and diagnostic computer programs to perform PMS checks, alignment, and trouble analysis to restore equipment to optimum operating condition.

Source Rating: ET
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N6
Billet Paygrades: E3-E7
CIN: A-101-0147
Personnel Paygrades: E3-E7
CDP: 651H
Related NEC:
Open to Women: Yes
Technical Advisor: NAVSEA 05, SPAWAR, NETWARCOM N1B

ET-1406 AN/WSC-6(V)9 Combatant Super High Frequency (SHF) Satellite Communications (SATCOM) Maintenance
Perform system operations, including operational tests on the AN/WSC-6(V)9 SHF SATCOM terminal and related baseband equipment. Uses general purpose test equipment, built-in test equipment, and diagnostic computer programs to perform PMS checks, alignment, and trouble analysis to restore equipment to optimum operating condition.

Source Rating: ET
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N6
Billet Paygrades: E3-E7
CIN: A-101-0145
Personnel Paygrades: E3-E9
CDP: 651D
Related NEC:
Open to Women: Yes
Technical Advisor: NAVSEA 05, SPAWAR, NETWARCOM N1B

ECM: BUPERS-322D
ET-1407 AN/SSC-12 Shipboard Air Traffic Control Communications (SATCC) Technician
Performs organizational level planned and corrective maintenance actions on an air traffic control (ATC) digital communication switching system. Monitor and poll computer diagnostics to verify operational status, use general purpose and built-in test equipment for fault isolation; administer features, functions and software setting to meet user needs, remove and replace circuit card and modular component assemblies to the lowest repairable unit (LRU), perform communication checks to verify connectivity with Line of Sight (LOS) UHF radios, connectivity of relay interfaces to shipboard announcing and flight deck communications, connections to power circuits and interface with digital and analog ship’s service telephone system using ISDN protocol. Possess in-depth knowledge of and troubleshooting experience with UHF/VHF communications equipment, including line-of-sight (LOS) transceivers, control indicators, equipment racks and multi-couplers.

Source Rating: ET  
Course: See Note  
Sequence Code: 5  
Component NEC:  
Primary Advisor: CNO N882  
Billet Paygrades: E4-E7  
Personnel Paygrades: E4-E7  
CIN:  
Related NEC: 1570  
Technical Advisor: NAVAIR, NAVSEA 05, SPAWAR  
Open to Women: Yes  
ECM: BUPERS-322D

NOTE: NEC may be awarded after formal training at the FAA Academy in Oklahoma City, OK. The course title is “Rapid Deployment Voice Switch (RDVS) II A (U.S. Navy)”, course number 40048. Submit NAVPERS 1221/6 to PERS-4013D2.

ET-1410 AN/SRC-55(V) HYDRA Technician
Operates and performs organizational level maintenance with limited supervision on the AN/SRC-55(V) HYDRA Wireless Communications System which can include from 4 to 14 repeaters with Site Controller, System Manager, 40 to 600 plus portable radios, several fixed radio stations, multiple battery chargers/conditioners and an extensive Radiating Transmission Line (RTL) (leaking coaxial cable) antenna (2,000 to 14,000 ft) throughout the ship, depending on ship class. Demonstrates knowledge of organizational procedures, repair and maintenance standards, quality assurance and electrical/electronic safety procedures. Performs work as systems manager including but not limited to system database management and reprogramming, radio inventory/issue management, and radio reprogramming.

Source Rating: ET  
Source Rating: IC  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N6  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: A-101-0212  
Related NEC:  
Technical Advisor: SPAWAR, NAVSEA 05  
Open to Women: Yes  
CDP: 633G, 633H  
NR Ind: A  
ECM: BUPERS-322D

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N6  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: C-198-2010  
Related NEC:  
Technical Advisor: NAVSEA 05, SPAWAR, NETWARCOM N1B  
Open to Women: Yes  
CDP: 390M  
NR Ind: R  
ECM: BUPERS-322D

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  
Course:  
Sequence Code: 5  
Component NEC:  
Primary Advisor: CNO N6  
Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E7  
CIN:  
Related NEC:  
Technical Advisor: NAVSEA 05, SPAWAR, NETWARCOM N1B  
Open to Women: Yes  
CDP:  
NR Ind: R  
ECM: BUPERS-322D
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
Source Rating: AT, FC, CTT
Course: Mandatory
Sequence Code: 3
Component NEC:
Primary Advisor: CNO N6

Billet Paygrades: E3-E7
Personnel Paygrades: E3-E7
CIN: A-101-0250
CDP: 187D
Related NEC:
Technical Advisor: NAVSEA 05, SPAWAR NETWARCOM N1B
Open to Women: Yes
ECM: BUPERS-322D

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, U/N/UCC-1, R-1051, R2368A/URR LF/MF/HF receiver, CV-2460, AN/URA-17 and their interfaces.

Source Rating: ET
Course: Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N865

Billet Paygrades: E3-E7
CIN: A-101-0258
CDP: 452X
Related NEC:
Technical Advisor: NAVSEA 05, SPAWAR NETWARCOM N1B
Open to Women: Yes
ECM: BUPERS-322D

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
Course: Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N865

Billet Paygrades: E3-E7
CIN: A-101-0209
CDP: 073E, 452P
Related NEC:
Technical Advisor: NAVSEA 05, SPAWAR NETWARCOM N1B
Open to Women: Yes
ECM: BUPERS-322D

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
Course: Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N6

Billet Paygrades: E3-E7
CIN: A-101-0138
CDP: 4323, 452L
Related NEC:
Technical Advisor: NAVSEA 05, SPAWAR NETWARCOM N1B
Open to Women: Yes
ECM: BUPERS-322D

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
Course: Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N865

Billet Paygrades: E3-E7
CIN: A-101-0217 (p/L)
CDP: 452T
Related NEC:
Technical Advisor: NAVSEA 05, SPAWAR NETWARCOM N1B
Open to Women: Yes
ECM: BUPERS-322D
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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N6  
Primary Advisor: CNO N6

Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: A-101-0210  
CDP: 452R  
Related NEC:  
Open to Women: Yes  
ECM: BUPERS-322D

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N6  
Primary Advisor: CNO N6

Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E7  
CIN: A-101-0269  
CDP: 213A, 390D  
Related NEC:  
Open to Women: Yes  
ECM: BUPERS-322D

ET-1433 Super High Frequency (SHF) Satellite Communications (SATCOM) Maintenance Technician
Perform operations, preventative and corrective maintenance on the AN/WSC-6A(V)5, AN/WSC-6A(V)7, AN/WSC-6A(V)9, and AN/WSC-8(V)2 SHF SATCOM terminals and related base-band equipment.

Source Rating: ET  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N6  
Primary Advisor: CNO N6

Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: A-101-0014  
CDP: 00EM  
Related NEC: 1405, 1406, and 1468  
Open to Women: Yes  
ECM: BUPERS-322D

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

Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E7  
CIN: A-101-0214  
CDP: 452S  
Related NEC:  
Open to Women: Yes  
ECM: BUPERS-322D

ET-1456 FLTSATCOM (CUDIXS/DAMA NAVCOMMSTA) Maintenance Technician
Performs preventive and corrective maintenance for the UHF SATCOM.

Source Rating: ET  
Course:  
Sequence Code: 4  
Component NEC: CNO N6  
Primary Advisor: CNO N6

Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E7  
CIN:  
CDP:  
Related NEC:  
Open to Women: Yes  
ECM: BUPERS-322D
**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  
- **Billet Paygrades:** E4-E7  
- **Personnel Paygrades:** E3-E7  
- **Course:** Mandatory  
- **CIN:** A-101-0140  
- **CDP:** 9929  
- **Sequence Code:** 4  
- **Related NEC:**  
- **Component NEC:**  
- **Open to Women:** Yes  
- **Primary Advisor:** CNO N6  
- **Technical Advisor:** NAVSEA 05, SPAWAR, NETWARCOM N1B  
- **Open to Women:** Yes  
- **ECM:** BUPERS-322D

**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 (BITEs), Special and General Purpose Electronic Test Equipment (SPETE/GPETE) as required.

- **Source Rating:** ET, CTM, AT  
- **Billet Paygrades:** E4-E7  
- **Personnel Paygrades:** E3-E7  
- **Course:** Mandatory  
- **CIN:** A-160-0116  
- **CDP:** 213J, 453W  
- **Sequence Code:** 4  
- **Related NEC:**  
- **Component NEC:**  
- **Open to Women:** Yes  
- **Primary Advisor:** CNO N865  
- **Technical Advisor:** NAVSEA 05, SPAWAR, NETWARCOM N1B  
- **Open to Women:** Yes  
- **ECM:** BUPERS-322D

**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:** Mandatory  
- **CIN:** A-101-0729  
- **Sequence Code:** 4  
- **Component NEC:**  
- **Open to Women:** Yes  
- **Primary Advisor:** CNO N6  
- **Technical Advisor:** NAVSEA 05, SPAWAR, NETWARCOM N1B  
- **Open to Women:** Yes  
- **ECM:** BUPERS-322D

**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 (See Note)  
- **Billet Paygrades:** E3-E7  
- **Personnel Paygrades:** E3-E7  
- **Course:** Mandatory  
- **CIN:** A-101-0149  
- **CDP:** 4260  
- **Sequence Code:** 4  
- **Component NEC:**  
- **Open to Women:** Yes  
- **Primary Advisor:** CNO N6  
- **Technical Advisor:** NAVSEA 05, SPAWAR, NETWARCOM N1B  
- **Open to Women:** Yes  
- **ECM:** BUPERS-322D

**NOTE:** No new assignment of this NEC.

**ET-1471 URN-25 Tactical Air Navigation Technician**

Perform organizational and/or intermediate level maintenance on assigned navigation equipment.

- **Source Rating:** ET  
- **Billet Paygrades:** E3-E7  
- **Personnel Paygrades:** E3-E7  
- **Course:** Mandatory  
- **CIN:** A-102-0239  
- **CDP:** 4256, 452Z  
- **Sequence Code:** 5  
- **Component NEC:**  
- **Open to Women:** Yes  
- **Primary Advisor:** CNO N865  
- **Technical Advisor:** SPAWAR  
- **Open to Women:** Yes  
- **ECM:** BUPERS-322D
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/V R, 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
Course: Mandatory
Sequence Code: 4
Component NEC: 1460
Primary Advisor: CNO N2, N6

ET-1491 FFG-7 Class Navigation Electronics Subsystem Technician

Source Rating: ET
Course: Mandatory
Sequence Code: 4
Component NEC: 1471 and 1504
Primary Advisor: CNO N865

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 (ASWCCC). 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
Course: Mandatory
Sequence Code: 4
Component NEC: 1460
Primary Advisor: CNO N889

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
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N889
Primary Advisor: CNO N865

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
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N865
Primary Advisor: CNO N865
ET-14AA Common Submarine Radio Room (CSRR) Maintenance Technician
Provide Electronics Technicians with the knowledge and skills necessary to effectively perform journeyman level preventative and corrective maintenance on Common Submarine Radio Room (CSRR) equipment for OHIO (SSBN/SSGN), SEAWOLF, VIRGINIA and LOS ANGELES Class submarines.

Source Rating: ET  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC: 14CM/14TM  
Primary Advisor: CNO N87  
Billet Paygrades: E5-E9  
Personnel Paygrades: E4-E9  
CIN: A-101-0020  
CDP: 00BS  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-323

ET-14AB Common Submarine Radio Room (CSRR) Equipment Operator
Provide Electronics Technicians with the knowledge and skills necessary to effectively operate Common Submarine Radio Room (CSRR) equipment for OHIO (SSBN/SSGN), SEAWOLF, VIRGINIA and LOS ANGELES Class submarines.

Source Rating: ET  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC: 14RO/14TO  
Primary Advisor: CNO N87  
Billet Paygrades: E3-E8  
Personnel Paygrades: E3-E8  
CIN: A-101-0019  
CDP: 00BN  
NR Ind: R  
Open to Women: No  
ECM: BUPERS-323

ET-14BH SSN 774 Class Electronic Support Equipment Maintenance Technician
Performs organizational level maintenance on all assigned Photonics (AN/BVS-1) and Electronic Support (AN/BLQ-10(V)) Equipment.

Source Rating: ET  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC: 14RO  
Primary Advisor: CNO N871B  
Billet Paygrades: E5-E6  
Personnel Paygrades: E4-E7  
CIN: A-233-0106 and A-233-0008  
CDP: 768S  
NR Ind: N  
Open to Women: No  
ECM: BUPERS 323

ET-14CM SSN Radio Frequency (RF) Equipment Technician
Performs all tasks, as they pertain to communications supervisors associated with submarine communications and operations. Operates and performs preventive and organizational maintenance on the following SSN Communications equipment/systems: EHF, VLF, HF, UHF, and SHF.

Source Rating: ET  
Course: Mandatory  
Sequence Code: 3  
Component NEC: Related NEC: 14RO  
Primary Advisor: CNO N871B  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CIN: A-101-0291 (P/L)  
CDP: 305Y  
NR Ind: N  
Open to Women: No  
ECM: BUPERS 323

ET-14EM SSN ESM Equipment Maintenance Technician
Performs Electronic Intelligence analysis. Operates and performs preventive and organizational maintenance on the following submarine electronic equipment/systems: TYPE 8B/J Periscope, WLR-8(V)2, Type 18 Periscope, and HPI Receiver.

Source Rating: ET  
Course: Mandatory  
Sequence Code: 3  
Component NEC: Related NEC: 14RO  
Primary Advisor: CNO N871B  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CIN: A-233-0117 (P/L)  
CDP: 2087  
A-233-0040  
A-233-0083  
A-233-0099  
A-102-0157  
4351  
263M  
768R  
544Q  
NR Ind: R  
Open to Women: No  
ECM: BUPERS 323
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  
Course:  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N871B

Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E9  
CIN:  
NR Ind: N  
Related NEC:  
Open to Women: No  
Technical Advisor: NAVSEA 05  
ECM: BUPERS 323

ET-14NM Navigation Equipment Maintenance Technician
Operates and performs organizational preventive and corrective maintenance on the following SSN 688 class submarine navigation equipment. AN/WSN-7(A), AN/WSN-7(B), AN/WRN-6, AN/BPS-15(H), Digital Depth Detector, AN/WIC, Central Atmosphere Monitoring System, Electromagnetic Log.

Source Rating: ET  
Course: Mandatory  
Sequence Code: 3  
Component NEC:  
Primary Advisor: CNO N871B

Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CIN: A-102-0392 (P/L)  
NR Ind: R  
Related NEC:  
Open to Women: No  
Technical Advisor: NAVSEA 05  
ECM: BUPERS 323

ET-14NO Navigation Equipment Operator
Performs start-up, initialization, shutdown, emergency procedures, equipment checkouts, and alignment procedures on submarine navigation equipment, forward electronic equipment that do not require the use of test equipment. Performs cataloging, inventorying, and preparation of navigation charts.

Source Rating: ET  
Course: See Note  
Sequence Code: 6  
Component NEC:  
Primary Advisor: CNO N871B

Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CIN:  
NR Ind: R  
Related NEC:  
Open to Women: No  
Technical Advisor: NAVSEA 05  
ECM: BUPERS 323

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

ET-14NP SSN 774 Class Navigation and Ship’s Electronic Equipment Technician
Operates and performs organizational preventive and corrective maintenance on the following SSN 774 class submarine navigation equipment: AN/WSN-7(A), AN/WSN-7(B), AN/BPS-16, Central Atmosphere Monitoring System Mark II, Digital Electromagnetic Log, and Ship Control system maintenance.

Source Rating: ET  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 14NM  
Primary Advisor: CNO N871B

Billet Paygrades: E5-E7  
Personnel Paygrades: E4-E8  
CIN: A-102-0130  
NR Ind: R  
Related NEC:  
Open to Women: No  
Technical Advisor: NAVSEA 05  
ECM: BUPERS 323

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.

Source Rating: ET  
Course: OJT  
Sequence Code: 2  
Component NEC:  
Primary Advisor: CNO N871B

Billet Paygrades: E7-E9  
Personnel Paygrades: E6-E9  
CIN:  
NR Ind: R  
Related NEC:  
Open to Women: No  
Technical Advisor: NAVSEA 05  
ECM: BUPERS 323

NOTE: NEC will be awarded to personnel who have successfully completed the Submarine Assistant Navigator qualification card.
ET-14RO SSN Radio Frequency (RF) Equipment Operator
Operates SSN Exterior Communication System in normal and casualty modes of operation.

Source Rating: ET  
Course: Mandatory  
Billet Paygrades: E3-E9  
CIN: A-102-0391 (P/L)  
A-101-0688  
Personnel Paygrades: E3-E9  
CDP: 768J  
379X  
Sequence Code: 6  
Component NEC: CNO N871B  
Related NEC: Technical Advisor: NAVSEA 05  
Open to Women: No  
NR Ind: R  
ECM: BUPERS 323

ET-14TK SSN 21 Navigation Technician
Operates and performs preventive and organizational level maintenance on the following equipment: AN/WSN-7(A) & (B), AN/BPS-16 Radar, AN/WRN-6 GPS, CAMS MK II, AN/WIC-2B, Digital Depth Detector, and Digital EM Log.

Source Rating: ET  
Course: Mandatory  
Billet Paygrades: E4-E7  
CIN: A-102-0255  
Personnel Paygrades: E4-E9  
CDP: 02UF  
NR Ind: N  
Component NEC: CNO N871B  
Related NEC: Technical Advisor: NAVSEA 05  
Open to Women: No  
NR Ind: R  
ECM: BUPERS 323

ET-14TM TRIDENT I/II Radio Frequency (RF) Equipment Maintenance Technician
TRIDENT Exterior Communications Subsystem (ECS) Radio Room Maintenance Technician.

Source Rating: ET  
Course: Mandatory  
Billet Paygrades: E4-E8  
CIN: A-101-0730  
Personnel Paygrades: E4-E8  
CDP: 654B  
NR Ind: N  
Component NEC: CNO N871B  
Related NEC: Technical Advisor: NAVSEA 05  
Open to Women: No  
NR Ind: N  
ECM: BUPERS 323

ET-14TO TRIDENT I/II Radio Frequency (RF) Equipment Operator
TRIDENT Exterior Communications Subsystems (ECS) Integrated Radio Room Operator.

Source Rating: ET  
Course: Mandatory  
Billet Paygrades: E3-E5  
CIN: A-193-0445 (P/L)  
Personnel Paygrades: E3-E5  
CDP: 588T, 588U  
NR Ind: N  
Component NEC: CNO N871B  
Related NEC: Technical Advisor: DIRRSSP  
Open to Women: No  
NR Ind: N  
ECM: BUPERS 323

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.

Source Rating: ET  
Course: Mandatory  
Billet Paygrades: E4-E8  
CIN: A-193-0445 (P/L)  
Personnel Paygrades: E4-E8  
CDP: 588T, 588U  
NR Ind: N  
Component NEC: CNO N871B  
Related NEC: Technical Advisor: DIRRSSP  
Open to Women: No  
NR Ind: N  
ECM: BUPERS 323

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.

Source Rating: ET  
Course: Mandatory  
Billet Paygrades: E3-E5  
CIN: A-193-0444 (P/L)  
Personnel Paygrades: E3-E5  
CDP: 588R, 588S  
NR Ind: N  
Component NEC: CNO N871B  
Related NEC: Technical Advisor: DIRRSSP  
Open to Women: No  
NR Ind: N  
ECM: BUPERS 323
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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N871B  
Primary Advisor: CNO N871B  
Billet Paygrades: E3-E9  
CIN: A-102-0127  
Related NEC:  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E3-E9  
CDP: 535W  
NR Ind: R  
Open to Women: No  
ECM: BUPERS-323

ET-1502-1517 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-1503 Radar (SPS-49) Technician

Source Rating: ET  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E7  
CIN: A-104-0176  
Related NEC:  
Technical Advisor: NAVSEA 05, SPAWAR  
Personnel Paygrades: E3-E8  
CDP: 453H  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322D

ET-1504 Radar (SPS-55) Technician

Source Rating: ET  
Course: See Note  
Sequence Code: 4  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E7  
CIN: A-104-0162  
Related NEC:  
Technical Advisor: NAVSEA 05, SPAWAR  
Personnel Paygrades: E3-E7  
CDP: 350S, 453G  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-322D

NOTE: NEC may be earned by either formal training or by OJT. If OJT experience supports NEC award, submit NAVPERS 1221/6 with documentation attached to PERS-4013D2.

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

Source Rating: ET  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E7  
CIN: A-104-0177  
Related NEC:  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E3-E7  
CDP: 453J  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322D

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

Source Rating: ET  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E7  
CIN: A-104-0209  
Related NEC:  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E3-E7  
CDP: 453M, 478W  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322D

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

Source Rating: ET  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E4-E7  
CIN: A-104-0199  
Related NEC:  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E3-E7  
CDP: 352U  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322D
ET-1517 DASR/STARS Maintenance Technician Pipeline
Performs organizational and/or intermediate maintenance on the AN/GPN-30 Digital Airport Surveillance Radar (DASR), AN/FSQ-204 Standard Terminal Automation Replacement System (STARS) and AN/FYC-22 Visual Information Display System (VIDS). Uses general and special purpose test equipment, built-in test equipment, trouble analysis and networking administration on the entire NASMOD system.

Source Rating: ET  
Course: Mandatory  
Sequence Code: 5  
Component NEC: 1529, 1530  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: C-103-2069 (P/L)  
CDP: 6201  
Related NEC: 1580, 1574, 1578  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-322D

ET-1520 AN/SPS-73 Maintenance Technician
Perform documented preventive and corrective maintenance on AN/SPS-73(V) Surface Radar Ser under all conditions of readiness, in port and underway.

Source Rating: ET  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N86  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: A-104-0225  
CDP: 7675, 7676  
Related NEC: 1504  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

ET-1529 Standard Terminal Automation Replacement System (STARS) Maintenance Technician
Performs organizational and/or intermediate maintenance on the AN/FSQ-204 Standard Terminal Automation Replacement System (STARS) and the AN/FYC-22 Visual Information display System (VIDS). Uses general and special purpose test equipment, built-in test equipment, trouble analysis and networking administration on the AN/FSQ-204. The technician will fulfill the duties as a; System Specialist, Maintenance and Control Workstation (MCW) technician, Sony Digital Display Monitor Maintenance technician, and AN/FYC-22 VIDS Maintenance technician.

Source Rating: ET  
Course: Mandatory  
Sequence Code: 5  
Component NEC:  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: C-103-2025  
CDP: 5855  
Related NEC: 1574, 1578  
Open to Women: Yes  
Technical Advisor: NAVSEA 05, SPAWAR  
ECM: BUPERS-322D

ET-1530 Digital Airport Surveillance Radar (DASR)
Performs organizational and/or intermediate maintenance on the AN/GPN-30 Digital Airport Surveillance Radar (DASR). Uses general and special purpose test equipment, built-in test equipment, and trouble analysis on the AN/GPN-30 equipment.

Source Rating: ET  
Course: Mandatory  
Sequence Code: 5  
Component NEC:  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: C-103-2018  
CDP: 6039  
Related NEC: 1580  
Open to Women: Yes  
Technical Advisor: NAVSEA 05, SPAWAR  
ECM: BUPERS-322D

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC:  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CIN: C-103-2054  
CDP: 707B  
Related NEC: 1576  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D
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
Course: Mandatory
Sequence Code: 5
Component NEC: N889
Primary Advisor: CNO

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
Course: Mandatory
Sequence Code: 3
Component NEC: N865
Primary Advisor: CNO

ET-1572 AIMS System Technician
Performs organizational and/or intermediate level maintenance on ATCRBS, IFF system and limited maintenance on crypto.

Source Rating: ET
Course: Mandatory
Sequence Code: 5
Component NEC: N865
Primary Advisor: CNO

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
Course: Mandatory
Sequence Code: 5
Component NEC: N889
Primary Advisor: CNO

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
Course: OJT
Sequence Code: 5
Component NEC: N889
Primary Advisor: CNO

NOTE: NEC may be awarded upon completion of local OJT and recommendation by Commanding Officer. Submit NAVPERS 1221/6 to PERS-4013D2.
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
Course: Mandatory
Sequence Code: 5
Component NEC: Related NEC:
Primary Advisor: CNO N889

Billet Paygrades: E4-E7
CIN: C-103-2051 (P/L)
Personnel Paygrades: E3-E7
CDP: 706Z
NR Ind: R
Related NEC:
Technical Advisor: NAVAIR, NAVSEA 05, SPAWAR
Open to Women: Yes
ECM: BUPERS-322D

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
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N889

Billet Paygrades: E4-E7
CIN: C-103-2061 (P/L)
Personnel Paygrades: E3-E7
CDP: 707H
NR Ind: R
Related NEC:
Technical Advisor: NAVAIR, NAVSEA 05, SPAWAR
Open to Women: Yes
ECM: BUPERS-322D

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
Course: See Note
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N889

Billet Paygrades: E4-E7
CIN: C-103-2060 (P/L)
Personnel Paygrades: E3-E7
CDP: 707G
NR Ind: R
Related NEC:
Technical Advisor: NAVAIR, NAVSEA 05, SPAWAR
Open to Women: Yes
ECM: BUPERS-322D

NOTE: NEC may be earned by either formal training or OJT. If OJT experience supports NEC award, submit NAVPERS 1221/6 with documentation attached to PERS-4013D2.

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
Course: Mandatory
Sequence Code: 5
Component NEC: Related NEC:
Primary Advisor: CNO N865

Billet Paygrades: E4-E7
CIN: C-198-6671
Personnel Paygrades: E3-E7
CDP: 713T
NR Ind: R
Related NEC:
Technical Advisor: NAVSEA 05, NNWC, N1B
Open to Women: Yes
ECM: BUPERS-322D

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
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N889

Billet Paygrades: E4-E7
CIN: C-103-2067 (P/L)
Personnel Paygrades: E4-E7
CDP: 707M
NR Ind: N
Related NEC:
Technical Advisor: NAVAIR
Open to Women: Yes
ECM: BUPERS-322D
ET-1591 Miniature/ Microminiature Module Test and Repair (2MTR) Technicians
Perform 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-674).

Source Rating: ET, IT Source Rating: AT, AE, FC, FT, CTT, GM, GSE, MN, MT, STG, STS, IC
Billet Paygrades: E3-E6 Billet Paygrades: E4-E6
Billet Paygrades: E3-E6 Personnel Paygrades: E3-E6
Personnel Paygrades: E3-E6
Course: Mandatory
CIN: A-100-0076 CIN: A-100-0072
A-100-0073
Sequence Code: 3
Component NEC: 9526
Primary Advisor: CNO N43, N865
Related NEC:
Technical Advisor: NAVSEA 05
Open to Women: Yes
ECM: BUPERS-322D

NOTE: NEC Code 1591 is obtained by completing the following three training courses: AN/USM-674 Operator, CIN: A-100-0076; Miniature Electronic Repair, CIN: A-100-0072; and Microminiature Electronic Repair, CIN: A-100-0073. The source ratings for the AN/USM-674 training are the same as for the 2M training courses. The AN/USM-674 training can be taken before Miniature Electronic Repair training, between Miniature and Microminiature Electronic Repair training or after Microminiature Electronic Repair training. Completing only the AN/USM-674 training provides no NEC Code. Miniature Electronic Repair training is a prerequisite for attending the Microminiature Electronic Repair Course.

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 Course: Mandatory
Billet Paygrades: E3-E7 Personnel Paygrades: E3-E7
Billet Paygrades: E3-E7
CIN: C-103-2056 (P/L) CDP: 5257
NR Ind: R
Component NEC: Related NEC: 1568
Primary Advisor: CNO N889 Technical Advisor: NAVAIR
Open to Women: Yes
ECM: BUPERS-322D

ELECTRONICS TECHNICIAN and FIRE CONTROL TECHNICIAN

FC-1601 SSDS OA Maintenance Technician
Performs documented organizational-level maintenance on SSDS OA configuration including a Three-Position Tactical Computer Console OJ-774 (V) 2/UYQ-70(V) 2, Command and Decision Consoles OJ-719 (V) 3/UYQ-70 (V), associated printers and projectors, Automated Status Boards (CV/LHD), and internal SSDS OA configured Local Area Networks (LANS). Monitors and manages operation of SSDS OA configuration including LANS, performs routine housekeeping and administrative operating system tasks using documented procedures, and uses system/equipment/software diagnostic features to locate problems. Loads and initiates operational and operating system programs, configures system to maintain required tactical capabilities, troubleshoots SSDS OA configured interface including fiber optic networks, mounts/unmounts devices, makes backups, restores hard drives, and configures replacement processors and other devices.

Source Rating: FC Course: Mandatory
Billet Paygrades: E4-E9 Personnel Paygrades: E4-E9
Billet Paygrades: E4-E9
CIN: CIP:
NR Ind: R
Component NEC: Related NEC: 1628
Primary Advisor: CNO N86 Technical Advisor: NAVSEA 05
Open to Women: Yes
ECM: BUPERS-322D

ET-1613 Command Center Maintenance Technician - Deleted
**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  
Component NEC: 1624 or 1681 or 1656 or 1671  
Related NEC:  
Open to Women: Yes  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322D

**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 NAVPERS 1221/6 to PERS-4013D2 with appropriate documentation indicating that member meets requisite criteria.

**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: Mandatory  
CIN: A-150-0261  
CDP: 591M  
Sequence Code: 4  
Component NEC:  
Related NEC:  
Open to Women: Yes  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05 (PMS-461)  
CDP: 591M  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322D

**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: Mandatory  
CIN: A-150-0300  
CDP: 714R  
Sequence Code: 5  
Component NEC:  
Related NEC:  
Open to Women: Yes  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05 (PMS-461)  
CDP: 714R  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322D

**FC-1628 SSDS MK-2 Maintenance Technician**

Performs documented organizational-level maintenance on SSDS MK-2 including OJ-719(V)/UYQ-70(V), OJ-723(V)/SYQ-24(V), OL-657(V)/S, OK-644 (V)/S, associated printers and projectors, Automated Status Boards (CV/LHD), and internal SSDS MK-2 Local Area Networks (LANS). Monitors and manages operation of SSDS MK-2 including LANs, performs routine housekeeping and administrative operating system tasks using documented procedures, and uses system/equipment/ software diagnostic features to locate problems. Loads and initiates operational and operating system programs, configures system to maintain required tactical capabilities, troubleshoots SSDS MK-2 interfaces including fiber optic networks, mounts/unmounts devices, makes backups, restores hard drives, and configures replacements processors and other devices.

Source Rating: FC  
Billet Paygrades: E4-E9  
Personnel Paygrades: E4-E9  
Course: Mandatory  
CIN: A-150-0029  
CDP: 637T  
Sequence Code: 3  
Component NEC:  
Related NEC:  
Open to Women: Yes  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05 (PMS-461)  
CDP: 637T  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322D

**NOTE:** This NEC cannot normally be attained by SELRES within three years or normal TRC A training cycle. However, NEC is assignable with restrictions to SELRES manpower requirements if SELRES already holding NEC in this category can maintain periodic re-certification/re-qualification required for the NEC within a normal, annual TRC A training cycle.
ET-1646 FLTSATCOM (SSIXS-OPCONCEN) Maintenance Technician
Performs intermediate level maintenance on core SSIXS equipment and AN/USQ-XXX SSIXS II/III 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  
Course: Mandatory  
Sequence Code: 3  
Component NEC:  
Primary Advisor: CNO N6  

Billet Paygrades: E4-E6  
Personnel Paygrades: E3-E6  
CIN: A-101-0262  
CDP: 214X  
Related NEC:  
Technical Advisor: NETWARCOM N1B SPAWAR  
Open to Women: Yes  
ECM: BUPERS-322D

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N2  

Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E8  
CIN: J-150-2019  
CDP: 988X  
Related NEC:  
Technical Advisor: SPAWAR  
Open to Women: Yes  
ECM: BUPERS-322D

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/UH-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)/U Printer Plotter/High Speed Printer, MK-70 Digital Switchboard, CV-2517B Digital/Analog Converter, and OJ-212(V)/UYK Teletypeprinters and Teletype Adapters.

Source Rating: FC  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N889  

Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E8  
CIN: A-150-0260  
CDP: 577Z  
Related NEC:  
Technical Advisor: NAVSEA 05 (PMS-461), NAVAIR  
Open to Women: Yes  
ECM: BUPERS-322D

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/AWYX-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  
Course: Mandatory  
Sequence Code: 5  
Component NEC:  
Primary Advisor: CNO N889  

Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E7  
CIN: J-102-0393  
CDP: 221P  
Related NEC:  
Technical Advisor: NAVAIR  
Open to Women: Yes  
ECM: BUPERS-322D
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  
Course: Mandatory  
CIN: A-150-0271  
Sequence Code: 4  
Component NEC: CNO N865  
Primary Advisor: NAVSEA 05 (PMS-461)  
Technical Advisor: NAVSEA 05 (PMS-461)  
Personnel Paygrades: E3-E7  
CDP: 590Z  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322D

FC-1671 FFG-7/LHA-1 Class Computer/Peripheral Technician
Performs intermediate level maintenance on UYK-7 and UYK-43 computers and associated peripherals, including UYK-44 MRC data processor set, UYK-20(V) data processor, USH-26 recorder/reproducer set, CV-2963 Signal Data Converter (SDC), OJ-172 Data Exchange Auxiliary Console (DEAC) and SYS-2(V)1, 2, and 11.

Source Rating: FC  
Billet Paygrades: E4-E7  
Course: Mandatory  
CIN: A-150-0135  
Sequence Code: 5  
Component NEC: CNO N865  
Primary Advisor: NAVSEA 05 (PMS-461)  
Technical Advisor: NAVSEA 05 (PMS-461)  
Personnel Paygrades: E3-E8  
CDP: 577V  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322D

FC-1676 Afloat Planning System (APS) Maintenance Technician
Performs organizational level maintenance on the Tomahawk Land Attack Missile (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, FT, FC  
Billet Paygrades: E4-E7  
Course: Mandatory  
CIN: J-243-2951  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: NAVSEA 05 (PMS-461)  
Technical Advisor: NAVSEA 05 (PMS-461)  
Personnel Paygrades: E3-E7  
CDP: 988W  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322D

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, Uninterruptible Power Supplies (UPS), ON-143 (V) 6, Satellite Communications (SATCOM) Peripheral Devices, Generic Front End Processor (CFCP), Link Converters, Fiber Optic Repair Centronics Data Hubs and the Advanced Technical Information Support System (ATISS). 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  
Billet Paygrades: E3-E7  
Course: Mandatory  
CIN: A-150-2300  
Sequence Code: 4  
Component NEC: CNO N6  
Primary Advisor: SPAWAR  
Technical Advisor: SPAWAR  
Personnel Paygrades: E3-E7  
CDP: 5781, 5791  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322D

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  
Billet Paygrades: E4-E7  
Course: Mandatory  
CIN: A-150-0136  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: NAVSEA 05 (PMS-461)  
Technical Advisor: NAVSEA 05 (PMS-461)  
Personnel Paygrades: E3-E8  
CDP: 577W  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322D
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
Course: Mandatory
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: CNO N6
Billet Paygrades: E4-E7
CIN: J-102-0364
Personnel Paygrades: E3-E7
CDP: 333S
NR Ind: R
Technical Advisor: SPAWAR
Open to Women: Yes
ECM: BUPERS-322D

CRYPTOLOGIC TECHNICIAN (TECHNICAL)

CTT-1702 AN/SLQ-32B (V) 2 Technician
Performs preventive and corrective maintenance on AN/SLQ-32B (V) 2 Electronic Warfare Support System.

Source Rating: CTT
Course: See Note
Sequence Code: 4
Component NEC: Related NEC: 1733/1734/1736/1737
Primary Advisor: CNO N865
Billet Paygrades: E3-E8
CIN: A-102-1980
Personnel Paygrades: E3-E9
CDP: 04RJ
NR Ind: A
Technical Advisor: NETWARCOM N1B
Open to Women: Yes
ECM: BUPERS-326

NOTE: NEC will be awarded through formal training or through OJT for personnel who have earned NECs 1733/1734/1736/1737 and completed required on the job training.

CTT-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: CTT
Course: Mandatory
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: CNO N865
Billet Paygrades: E4-E9
CIN: A-102-0142
Personnel Paygrades: E3-E9
CDP: 016E
NR Ind: N
Technical Advisor: NETWARCOM N1B
Open to Women: Yes
ECM: BUPERS-326

CTT-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: CTT
Course: Mandatory
Sequence Code: 3
Component NEC: 1733
Primary Advisor: CNO N865
Billet Paygrades: E4-E9
CIN: A-102-016
Personnel Paygrades: E3-E9
CDP: 016E
NR Ind: R
Technical Advisor: NETWARCOM N1B
Open to Women: Yes
ECM: BUPERS-326

CTT -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: CTT
Course: Mandatory
Sequence Code: 3
Component NEC: 1733 or 1734
Primary Advisor: CNO N865
Billet Paygrades: E4-E7
CIN: A-102-0361
Personnel Paygrades: E4-E9
CDP: 226T
NR Ind: N
Technical Advisor: NETWARCOM N1B
Open to Women: Yes
ECM: BUPERS-326
CTT -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: CTT  
Course: Mandatory  
Sequence Code: 3  
Component NEC: 1733  
Primary Advisor: CNO N865

Billet Paygrades: E4-E7  
Personnel Paygrades: E4-E9  
CIN: A-102-0382  
CDP: 299T  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-326

CTT -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: CTT  
Course:  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N865

Billet Paygrades: E4-E6  
Personnel Paygrades: E4-E6  
CIN:  
CDP:  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-326

CTT -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: CTT  
Course: Mandatory  
Sequence Code: 2  
Component NEC:  
Primary Advisor: CNO N865

Billet Paygrades: E6-E9  
Personnel Paygrades: E6-E9  
CIN: A-230-0018  
CDP: 988P, 989M  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-326

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: NCIS HQ CODE 21

Billet Paygrades: E6-E9  
Personnel Paygrades: E6-E9  
CIN: A-832-0001  
CDP: 437N  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-325E

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: NECC N34MA

Billet Paygrades: E1-E6  
Personnel Paygrades: E1-E6  
CIN: A-830-0019  
CDP: 478N  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-325E
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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 2005  
Primary Advisor: NECC N34MA  
Billet Paygrades: E7-E9  
Personnel Paygrades: E6-E9  
CIN: A-830-0009  
CDP: 107L  
NR Ind: R  
Related NEC: NECC N34MA  
Technical Advisor: NECC N34MA  
Open to Women: Yes  
ECM: BUPERS-325E

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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: NECC N34MA  
Primary Advisor: NECC N34MA  
Billet Paygrades: E4-E9  
Personnel Paygrades: E4-E9  
CIN: A-831-0006  
A-831-0001  
CDP: 5699  
572B  
NR Ind: R  
Related NEC: BUPERS-N135E  
Open to Women: Yes  
ECM: BUPERS-325E

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 MILPERSMAN 1306-903.  
3. Personnel converting to MA who hold NEC 9575 will have it removed and be awarded NEC MA-2008.

MA-2009 Protective Service Specialist
Performs, plans, coordinates, and executes protective service missions for personnel in high-risk billets who are potential targets of terrorism. Responsible for protective service tactics, anti-ambush operations, counter surveillance operations, evasive driving techniques, and physical security.

Source Rating: MA  
Course: Mandatory  
Sequence Code: 4  
Component NEC: NCIS HQ CODE 21  
Primary Advisor: NCIS HQ CODE 21  
Bilet Paygrades: E5-E7  
Personnel Paygrades: E5-E7  
CIN: A-840-0001  
CDP: 338M  
NR Ind: R  
Related NEC: NCIS HQ CODE 21  
Open to Women: Yes  
ECM: BUPERS-325E

NOTES:
1. NEC is only awarded after completion of the Protective Service Training Course (7H-F18/830-F13) or Protective Operations Training Program for Special Agents and Protective Services Operations Members (S-830-0055).  
2. Billets assignment will be controlled by NCIS Headquarters Code 21A/21B. Prior approval must be granted prior to billet establishment
**NAVY COUNSELOR-RECRUITER**

**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:** Mandatory  
  **CIN:** S-501-0006  
  **CDP:** 525F  
- **Sequence Code:** 3  
  **NR Ind:** N  
- **Component NEC:** 9585 or 2612  
  **Related NEC:**  
  **Technical Advisor:** CNRC  
  **ECM:** BUPERS-328D

**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. Applicant must meet the screening criteria for Recruiter per MILPERSMAN 1306-965, Career Recruiting Force (CRF), be recommended by his or her Commanding Officer and Navy Recruiting Command, and be approved by BUPERS.
3. BUPERS (Pers-255/913) will notify PERS-4013D2 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/ or 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:** Mandatory  
  **CIN:** A-202-0039  
  **CDP:** 121E  
- **Sequence Code:** 3  
  **NR Ind:** R  
- **Component NEC:** 2301  
  **Related NEC:**  
  **Technical Advisor:** NETWARCOM N1B  
  **ECM:** BUPERS-322E

**IT-2302 Joint Task Force (JTF) Spectrum Management Master Level**
Performs core elements and supporting activities of the JTF Spectrum Management policy, doctrine, organization, capabilities, and related activities; Mastery of JTF planning and use of JTF automated planning tools in a Joint environment are accomplished.

- **Source Rating:** IT  
  **Billet Paygrades:** E6-E9  
  **Personnel Paygrades:** E6-E9  
- **Course:** Mandatory  
  **CIN:** A-202-0008  
  **CDP:** 02RT  
- **Sequence Code:** 2  
  **NR Ind:** N  
- **Component NEC:** 2301  
  **Related NEC:**  
  **Technical Advisor:** NETWARCOM N1B  
  **ECM:** BUPERS-322E

**IT-2354 FLTSATCOM (SSIXS-OPCONCEN) Operator**
Operates and performs preventive maintenance on core SSIXS equipment and AN/USQ-XXX SSIXS II/III 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:** E3-E7  
  **Personnel Paygrades:** E3-E7  
- **Course:** OJT  
  **CIN:**  
  **CDP:**  
- **Sequence Code:** 4  
  **NR Ind:** R  
- **Component NEC:**  
  **Related NEC:**  
  **Technical Advisor:** NETWARCOM N1B  
  **ECM:** BUPERS-322E

**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-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
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N6

Billet Paygrades: E4-E7
CIN: A-260-0034
NR Ind: R
Technical Advisor: NETWARCOM N1B

Personnel Paygrades: E4-E7
CDP: 406X
Open to Women: Yes
ECM: BUPERS-322E

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 NAVPERS 1221/6 to PERS-4013D2 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
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N889

Billet Paygrades: E3-E7
CIN: J-201-0816
NR Ind: R
Technical Advisor: NETWARCOM N1B

Personnel Paygrades: E3-E7
CDP: 702Y
Open to Women: Yes
ECM: BUPERS-322E

SPAWAR

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: IT, ET (see note)
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N6

Billet Paygrades: E3-E6
CIN: A-260-0035
NR Ind: R
Technical Advisor: NETWARCOM N1B

Personnel Paygrades: E3-E6
CDP: 063B
Open to Women: Yes
ECM: BUPERS-322E

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: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N6

Billet Paygrades: E3-E8
CIN: A-260-0057 (P/L)
NR Ind: N
Technical Advisor: NETWARCOM N1B

Personnel Paygrades: E3-E8
CDP: 653N, 663U
Open to Women: Yes
ECM: BUPERS-322E

NOTE: Personnel assigned to this course must be E3 or above and have completed initial tours of duty (career designated).
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: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N972  
Billet Paygrades: E3-E9  
CIN:  A-561-0008  
Personnel Paygrades: E3-E9  
CDP: 2080  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS 328D

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: See Note  
Sequence Code: 3  
Component NEC: Related NEC:  
Primary Advisor: Pers-44ES1  
Billet Paygrades: E6-E9  
CIN:  A-511-0015  
Personnel Paygrades: E6-E9  
CDP: 048G  
NR Ind: R  
Open to Women: Yes  
ECM: Pers-44ES1

NOTE: The YN-2514 NEC will be awarded upon successful completion of the five-week Navy Flag Officer Writer Course, A-511-0015. All requests will be sent to PERS-405C for review and forwarded to ECM (PERS-44ES1) and BUPERS 328D for approval.

PS-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: PS  
Course: Mandatory  
Sequence Code: 3  
Component NEC: Related NEC:  
Primary Advisor: Pers-405C, Pers-231  
Billet Paygrades: E5-E7  
CIN:  S-501-0031  
Personnel Paygrades: E5-E8  
CDP: 945P  
NR Ind: R  
Open to Women: Yes  
ECM: Pers-405C

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INFORMATION SYSTEMS TECHNICIAN

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/IP 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
Course: Mandatory
Sequence Code: 3
Component NEC: Related NEC: 2720, 2735
Primary Advisor: CNO N6
Technical Advisor: SPAWAR

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-2710 Global and Command Control System-Maritime 4.X (GCCS-M 4.X) System Administrator

Performs installation, configuration, administration, repair, and basic operation of the GCCS-M 4.0 system. Maintains databases, establishes accounts, and configures communications and system interfaces. Performs basic troubleshooting and disaster recovery procedures. These functions are performed at afloat and ashore commands.

Source Rating: IT, FT
Course: Mandatory
Sequence Code: 3
Component NEC: Related NEC: 2720
Primary Advisor: CNO N6
Technical Advisor: NETWARCOM N1B

NOTE: LAN NEC is a prerequisite for this NEC. A security clearance is required.

IT-2720 GCCS-M System Administrator

Performs basic operation of the GCCS-M 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
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N6
Technical Advisor: SPAWAR

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
Source Rating: FT, FC
Course: Mandatory
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: CNO N6
Technical Advisor: SPAWAR

NOTE: LAN NEC is a prerequisite for this NEC. A security clearance is required.
**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, CTI, CTM, CTR, CTT, FT, STS, ET(SS)  
Course: Mandatory  
Sequence Code: 3  
Component NEC: Related NEC:  
Primary Advisor: CNO N6  
Technical Advisor: NETWARCOM N1B  

**Billet Paygrades:** E4-E9  
**Personnel Paygrades:** E4-E9  
**CIN:** A-531-0046  
**CDP:** 2029, 319J, 2586, 303E, 3033, 5240, 781A  
**NR Ind:** R  
**Open to Women:** Yes  
**ECM:** BUPERS-322E

NOTE: No new assignment to CTR and CTT personnel. CTR and CTT personnel who were previously trained and awarded this NEC are authorized to retain.

**IT-2777 Tactical Support Center (TSC) Data Processing System Operator**


Source Rating: IT  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CN0 N6  
Technical Advisor: NETWARCOM N1B  
SPAWAR  

**Billet Paygrades:** E3-E7  
**Personnel Paygrades:** E3-E7  
**CIN:** J-531-0365  
**CDP:** 2248  
**NR Ind:** R  
**Open to Women:** Yes  
**ECM:** BUPERS-322E

**IT-2778 Mission Distribution System Operator**

Performs all functions related to management of tactical database 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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: Related NEC:  
Primary Advisor: CNO769  
Technical Advisor: NAVINT  
SPAWAR  

**Billet Paygrades:** E5-E7  
**Personnel Paygrades:** E5-E7  
**CIN:** J-243-2952  
**CDP:** 293R  
**NR Ind:** R  
**Open to Women:** Yes  
**ECM:** BUPERS-322E

**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, policies. Implement DOD 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: CTI, CTM, CTR, CTT, IT, ET(SS), FT, STS, or equivalent officer and civilian training  
Course: Mandatory  
Sequence Code: 3  
Component NEC: Related NEC:  
Primary Advisor: CNO N6  
Technical Advisor: NETWARCOM N1B  

**Billet Paygrades:** E6-E8  
**Personnel Paygrades:** E6-E8  
**CIN:** A-531-0009  
**CDP:** 7440, 7443  
**NR Ind:** A  
**Open to Women:** Yes  
**ECM:** BUPERS-322E

NOTE: No new assignment to CTR and CTT personnel. CTR and CTT personnel who were previously trained and awarded this NEC are authorized to retain.
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.

Source Rating: CTI, CTM, CTR, CTT, IT, ET (SS), FT, STS  
Billet Paygrades: E5-E8  
Personnel Paygrades: E5-E8

Course: Mandatory  
CIN: A-531-0022  

Sequence Code: 3
Component NEC: 2735  
Related NEC:  
Open to Women: Yes

Primary Advisor: CNO N6  
Technical Advisor: NETWARCOM N1B  
ECM: BUPERS-322E

NOTE: No new assignment to CTR and CTT personnel. CTR and CTT personnel who were previously trained and awarded this NEC are authorized to retain.

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: CTI, CTM, CTR, CTT, IT, ET (SS), FT, IT, STS, MT  
Billet Paygrades: E6-E8  
Personnel Paygrades: E6-E9

Course: Mandatory  
CIN: A-531-0045  
CDP: 4333, 6058, 6252, 659H, 636F

Sequence Code: 3
Component NEC: 2735  
Related NEC:  
Open to Women: Yes

Primary Advisor: CNO N6  
Technical Advisor: NETWARCOM N1B  
ECM: BUPERS-322E

NOTE: No new assignment to CTR and CTT personnel. CTR and CTT personnel who were previously trained and awarded this NEC are authorized to retain.

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, CTM  
Billet Paygrades: E4-E7  
Personnel Paygrades: E4-E7

Course: Mandatory  
CIN: A-260-0001  
CDP: 332P

Sequence Code: 3
Component NEC: 2735  
Related NEC:  
Open to Women: Yes

Primary Advisor: CNO N6  
Technical Advisor: NETWARCOM N1B  
ECM: BUPERS-322E

NOTES:
1. Must have a minimum of one-year experience operating UNIX and Windows NT System.
2. Lockheed Martin graduates must submit NAVPERS 1221/6 to PERS-4013D2, via COMNAVNETOPSCOM (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  
Course: Mandatory  
Sequence Code: 3  
Component NEC:  
Primary Advisor: CNO N41  
Billet Paygrades: E5-E7  
Personnel Paygrades: E5-E7  
CIN: R-551-0010  
CDP: 869D  
NR Ind: R  
Related NEC:  
Technical Advisor: NAVSUP (4B, N00B)  
ECM: BUPERS-328C

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N41  
Billet Paygrades: E4-E6  
Personnel Paygrades: E4-E9  
CIN: A-551-0093  
CDP: 196J, 243N, 3288, 370U, 574F, 3289  
NR Ind: R  
Related NEC:  
Technical Advisor: NAVSUP (4B, N00B)  
ECM: BUPERS-328C

SK-2819 Personal Property Specialist

Source Rating: SK  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N41  
Billet Paygrades: E5-E7  
Personnel Paygrades: E5-E7  
CIN: A-553-0010  
CDP: 593M  
NR Ind: A  
Related NEC:  
Technical Advisor: NAVSUP (4B, N00B)  
ECM: BUPERS-328C

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  
Course: Mandatory  
Sequence Code: 2  
Component NEC: 2814  
Primary Advisor: CNO N41  
Billet Paygrades: E5-E9  
Personnel Paygrades: E5-E9  
CIN: A-551-0085  
CDP: 004N, 437Y, 447K, 652L, 767B  
NR Ind: R  
Related NEC:  
Technical Advisor: NAVSUP (4B, N00B)  
ECM: BUPERS-328C

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC:  
Primary Advisor: CNO N41  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: A-822-0017 (P/L)  
CDP: 398U  
NR Ind: R  
Related NEC:  
Technical Advisor: NAVSUP (4B, N00B)  
ECM: BUPERS-328C
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  
Course: Mandatory  
Sequence Code: 3  
Component NEC:  
Primary Advisor: CNO N41  
Billet Paygrades: E5-E6  
Personnel Paygrades: E4-E6  
CIN: A-551-0085  
CDP: 068F, 574E  
NR Ind: R  
Related NEC:  
Technical Advisor: NAVSUP (4B, N00B)  
ECM: BUPERS-328C

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  
Course:  
Sequence Code: 2  
Component NEC: 2824  
Primary Advisor: CNO N41  
Billet Paygrades: E7-E9  
Personnel Paygrades: E6-E9  
CIN:  
CDP:  
NR Ind: A  
Related NEC:  
Technical Advisor: NAVSUP (4B, N00B)  
ECM: BUPERS-328C

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.

SK-2828 Relational Supply Force Technical Specialist
Performs various automated systems inventory and financial management functions in Relational Supply Force activities. Functions include internal document identifier preparation, input/output controls, processing of inventory and financial management listings, maintenance and review of stock records/requisition files and system validation tables.

Source Rating: SK  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 2824  
Primary Advisor: CNO N41  
Billet Paygrades: E5-E6  
Personnel Paygrades: E5-E7  
CIN: A-551-0029  
CDP: 746L, 746M  
NR Ind: R  
Related NEC:  
Technical Advisor: NAVSUP (4B, N00B)  
ECM: BUPERS-328C

SK-2829 Relational Supply Unit Technical Specialist
Performs various automated systems inventory and financial management functions in Relational Supply Unit Level activities. Functions include inventory control, stock recorders, analysis of historical demand listings and financial reports. Reviews and corrects inventory and financial transactions and financial reconciliation reports.

Source Rating: SK  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 2814  
Primary Advisor: CNO N41  
Billet Paygrades: E4-E6  
Personnel Paygrades: E4-E7  
CIN: A-551-0026  
CDP: 740M, 746F, 789S  
NR Ind: R  
Related NEC:  
Technical Advisor: NAVSUP (4B, N00B)  
ECM: BUPERS-328C

SK-2830 Relational Supply Force Advance Technical Specialist
Performs duties as the senior enlisted manager for the Relational Supply Force 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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 2828 or 2825  
Primary Advisor: CNO N41  
Billet Paygrades: E7-E9  
Personnel Paygrades: E6-E9  
CIN: A-551-0027  
CDP: 746H  
NR Ind: R  
Related NEC:  
Technical Advisor: NAVSUP (4B, N00B)  
ECM: BUPERS-328C
SK-2831 Relational Supply Unit Advance Technical Specialist
Performs duties as the senior enlisted manager for the Relational Supply Unit System. Performs inventory control, financial management, and system management analysis. Establishes record control for inventory and financial areas.

Source Rating: SK
Course: Mandatory
Sequence Code: 4
Component NEC: 2829 or 2820
Primary Advisor: CNO N41
Billet Paygrades: E6-E9
Personnel Paygrades: E6-E9
CIN: A-551-0028
CDP: 750C, 755X, 789V
NR Ind: R
Related NEC: Open to Women: Yes
Technical Advisor: NAVSUP (4B, N00B)
ECM: BUPERS-328C

DISBURSING CLERK

PS-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: PS
Course: Mandatory
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: CNO N41
Billet Paygrades: E5-E8
Personnel Paygrades: E4-E9
CIN: A-542-0015
CDP: 574C, 150A, 607E
NR Ind: R
Open to Women: Yes
Technical Advisor: NAVSUP (56, N00B)
ECM: PERS 4011D15

POSTAL CLERK

PC-3001 Independent Duty Postal Clerk
Performs duties and responsibilities of a Custodian of Postal Effects, to include processing postal claims for loss and damaged articles for the crew and the principles of providing good customer service; postal officer responsibilities and fleet audits and postal assist visits/inspections, preparing and releasing Mail Routing Instructions, preparing mail/PAX/Cargo and mail on hand reports, preparing and releasing postal incident reporting messages to include monthly updates, preparing mail routing schemes and mail transportation forms (to include International mail and customs requirements), the ability to review and approve requests for United States Postal Service capital equipment, operating postage meter equipment and Postage Validation Imprinters and maintaining records for them, programming an integrated retail terminal for both the Custodian of Postal Effects and finance clerks, the ability to prepare money order and meter reports for correctness prior to submission to the United States Postal Service, providing directory service on all un-deliverable mail, training department mail orderlies on safeguarding mail until delivery to the addressee, preparing and maintaining Standing Operating Procedures for ships postal operations, ensuring post office security is compliant with DOD regulations, an understanding of Best Business Practices of Perpetual Inventories and Cost Based Accounting.

Source Rating: PC, SH, SK
Course: Mandatory
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: CNO N41
Billet Paygrades: E5-E6
Personnel Paygrades: E5-E6
CIN: A-554-0026
CDP: 7439, 7905, 790W, 972E, 975C, 975D, 965K
NR Ind: A
Open to Women: Yes
Technical Advisor: NAVSUP
ECM: BUPERS-328C

NOTES:
1. Must be a U.S. citizen, eligible for a SECRET clearance, and possess a valid driver license.
2. E-4 personnel may request to attend the course with a strong recommendation from their command, or in conjunction with a STAR reenlistment (Selective Training and Reenlistment). Also, an E-4 designated by PERS-4013D2 to fill a gapped independent duty billet must attend the Fleet Independent/Supervisors Postal Clerk course enroute to the gapped command.
### SH-3122 Barber
Cuts and trims hair and maintains equipment.

<table>
<thead>
<tr>
<th>Source Rating</th>
<th>Billet Paygrades: E3-E6</th>
<th>Personnel Paygrades: E3-E6</th>
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<td>Course:</td>
<td>CIN: A-840-0013</td>
<td>CDP: 325S, 574N, 5389, 5369, 538N, 6060</td>
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<td>6</td>
<td>NR Ind: R</td>
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<td>Component NEC:</td>
<td>Related NEC:</td>
<td>Open to Women: Yes</td>
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<td>Primary Advisor:</td>
<td>CNO N41</td>
<td>ECM: BUPERS-328C</td>
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<tr>
<td></td>
<td>Technical Advisor: NAVSUP (05, 09B), NEXCOM</td>
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### SH-3131 Ship’s Store Afloat Resale Operations Management (ROM) II Manager
Has knowledge of and uses a variety of modern E-Commerce and civilian automated systems and tools, including computer based cash registers, laser scanning, cash-less debit, and Electronic Data Interchange systems. Understands best business practices of perpetual inventories and cost-based accounting. Maintains financial and material accountability in a variety of operational environments through production and analysis of management reports produced by the Resale Operations Management (ROM) II system. Manages all service activities in ROM II configured ships.

<table>
<thead>
<tr>
<th>Source Rating</th>
<th>Billet Paygrades: E5-E9</th>
<th>Personnel Paygrades: E5-E9</th>
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<td>Sequence Code:</td>
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<td>Component NEC:</td>
<td>Related NEC:</td>
<td>Open to Women: Yes</td>
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<tr>
<td>Primary Advisor:</td>
<td>CNO N41</td>
<td>ECM: BUPERS-328C</td>
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<td>Technical Advisor: NAVSUP (05, 09B), NEXCOM</td>
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### MC-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. Coordinates with Department of Defense level media activities to support American Forces Information Service products and taskings.

<table>
<thead>
<tr>
<th>Source Rating</th>
<th>Billet Paygrades: E6-E9</th>
<th>Personnel Paygrades: E6-E9</th>
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<td>4747 (See Note 2)</td>
<td>Open to Women: Yes</td>
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<td>Primary Advisor:</td>
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<td>ECM: BUPERS 328D</td>
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</table>

### 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 NAVPERS 1221/6 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.
3301 Nuclear Qualified Reactor Department Master Chief (RDMC)
Is the senior enlisted advisor to the respective command advising on proper administration and supervision of a nuclear propulsion plant. The RDMC assists the Reactor Officer in administering enlisted personnel, designating enlisted watch assignments, monitoring the qualification program of all nuclear trained operators, and acts as a liaison for the Reactor Department at the CPO level. Additionally, the NEC identifies those individuals with the skills necessary to perform as RDMC based on a TYCOM directed shipboard qualification process.

Source Rating: Nuclear trained MM, ET, EM  
Course: See Note 1  
Sequence Code: 4  
Component NEC: Note 2  
Primary Advisor: CNO N871B  
Billet Paygrades: E7-E9  
Personnel Paygrades: E7-E9  
CIN:  
Related NEC:  
Technical Advisor: NAVSEA 08  
CDP:  
NR Ind: N  
Open to Women: No  
ECM: N133D

NOTES:
1. NEC awarded via completion of approved qualification process administered by USE and NAE with final screening and approval by Deputy Chief of Naval Operations (MPT&E), Nuclear Enlisted Program Manager (N133D).
2. Personnel must hold 3393, 3394, 3395, and 3396

3302 Nuclear Qualified Engineering Department Master Chief (EDMC)
Is the senior enlisted advisor to the respective command advising on proper administration and supervision of a nuclear propulsion plant. The EDMC assists the Engineering Officer in administering enlisted personnel, designating enlisted watch assignments, monitoring the qualification program of all nuclear trained operators, and acts as a liaison for the Engineering Department at the CPO level. Additionally, the NEC identifies those individuals with the skills necessary to perform as EDMC based on a TYCOM directed shipboard qualification process.

Source Rating: Nuclear trained MM, ET, EM  
Course: See Note 1  
Sequence Code: 4  
Component NEC: Note 2  
Primary Advisor: CNO N871B  
Billet Paygrades: E7-E9  
Personnel Paygrades: E7-E9  
CIN:  
Related NEC:  
Technical Advisor: NAVSEA 08  
CDP:  
NR Ind: N  
Open to Women: No  
ECM: N133D

NOTES:
1. NEC awarded via completion of approved qualification process administered by USE and NAE with final screening and approval by Deputy Chief of Naval Operations (MPT&E), Nuclear Enlisted Program Manager (N133D).
2. Personnel must hold 3363, 3364, 3365, and 3366

MISSILE TECHNICIANS

MT-3303-3320 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.

Source Rating: MT  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N871B  
Billet Paygrades: E3-E9  
Personnel Paygrades: E4-E9  
CIN: A-121-0031  
A-121-0032  
02X0, 02X3  
Related NEC: 3312  
Technical Advisor: DIRSSP  
NR Ind: N  
Open to Women: No  
ECM: BUPERS 323

NOTE: Personnel must remain Personnel Reliability Program (PRP) eligible. New accessions or MT personnel with other than NEC MT-3312 are authorized to attend A-121-0031. NEC MT-3312 is required prior to attending A-121-0032.
MT-3310 Missile Technician (TRIDENT I (C-4) SWS)

Source Rating: MT
Course: Mandatory
Sequence Code: 3
Component NEC: CNO N871B
Primary Advisor: CNO N871B
Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9
CIN:
Related NEC:
Technical Advisor: DIRSSP
NR Ind: N
Open to Women: No
ECM: BUPERS 323

MT-3311 Missile Technician (TRIDENT II (D-5) SWS)

Source Rating: MT
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N871B
Primary Advisor: CNO N871B
Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9
CIN:
Related NEC:
Technical Advisor: DIRSSP
NR Ind: R
Open to Women: No
ECM: BUPERS 323

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.

Source Rating: MT
Course: Mandatory
Sequence Code: 3
Component NEC: CNO N871B
Primary Advisor: CNO N871B
Billet Paygrades: E3-E9
Personnel Paygrades: E3-E9
CIN: A-121-0079
A-121-0085
Related NEC:
Technical Advisor: DIRSSP
NR Ind: N
Open to Women: No
ECM: BUPERS 323

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 perform 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
Course: OJT
Sequence Code: 3
Component NEC: CNO N871B
Primary Advisor: CNO N871B
Billet Paygrades: E5-E9
Personnel Paygrades: E5-E9
CIN: A-193-0440
Related NEC:
Technical Advisor: DIRSSP
NR Ind: N
Open to Women: No
ECM: BUPERS 323

ET-3329 Navigation Electronics Operations and Maintenance Technician (TRIDENT II D5 Backfit SWS)
Operates and performs organizational and/or intermediate level maintenance on the TRIDENT II D5 Backfit SWS navigation subsystem.

Source Rating: ET
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N871B
Primary Advisor: CNO N871B
Billet Paygrades: N/A
Personnel Paygrades: E4-E7
CIN: A-193-0440
Related NEC:
Technical Advisor: NAVSEA 05
NR Ind: N
Open to Women: No
ECM: BUPERS 323

NOTE: This NEC is not to be used to identify billets.
MT-3349 Fleet Ballistic Missile Weapons and Navigation System Technician - Special Category
Performs duties as required in current duty assignment.

Source Rating: MT, ET
Course: Mandatory
Sequence Code: 6
Component NEC: Related NEC:
Primary Advisor: CNO N871B
Technical Advisor: DIRSSP
Billet Paygrades: E4-E9
Personnel Paygrades: E3-E9
CIN: 
NR Ind: R
Open to Women: Yes
ECM: BUPERS 323

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.

MT-3350 SSGN Attack Weapon System (AWS) Missile Technician
Operate and perform organizational and/or intermediate level maintenance on 726 Class SSGN Tomahawk missile subsystems, launcher subsystems, and associated support and test equipment. Perform operational readiness tests of systems and adhere to safety precautions applicable to missile explosive devices, missile hydraulics and missile testing. Participate in missile evolutions. Assist in Special Operations Forces (SOF) operations as required.

Source Rating: MT
Course: Mandatory
Sequence Code: 4
Component NEC: 3312
Related NEC:
Primary Advisor: CNO N871B
Technical Advisor: DIRSSP
Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9
CIN: A-121-0087
NR Ind: N
Open to Women: No
ECM: BUPERS 323

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
Course: Mandatory
Sequence Code: 5
Component NEC: See Note
Related NEC:
Primary Advisor: CNO N871B
Technical Advisor: NAVSEA 05
Billet Paygrades: E3-E6
Personnel Paygrades: E3-E6
CIN: A-701-0015
CDP: 1303
NR Ind: N
Open to Women: No
ECM: N133D

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
Course: Mandatory
Sequence Code: 3
Component NEC: 9901
Related NEC: 3363
Primary Advisor: CNO N871B
Technical Advisor: NAVSEA 05
Billet Paygrades: E4-E6
Personnel Paygrades: E3-E9
CIN: A-661-0012
CDP: 1306, 203K
NR Ind: N
Open to Women: No
ECM: N133D

3354 Submarine Nuclear Propulsion Plant Operator - Electrical
Operates and performs organizational level maintenance on electrical systems for submarine nuclear propulsion plants.

Source Rating: EM
Course: Mandatory
Sequence Code: 3
Component NEC: 9901
Related NEC: 3384
Primary Advisor: CNO N871B
Technical Advisor: NAVSEA 05
Billet Paygrades: E4-E6
Personnel Paygrades: E3-E9
CIN: A-661-0012
CDP: 1312, 203L
NR Ind: N
Open to Women: No
ECM: N133D
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: Mandatory  CIN: A-661-0014  CDP: 1318, 203M
Sequence Code: 3  NR Ind: N
Component NEC: 9901  Related NEC: 3385  Open to Women: No
Primary Advisor: CNO N871B  Technical Advisor: NAVSEA 05

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: Mandatory  CIN: A-661-0015  CDP: 1324, 203N
Sequence Code: 3  NR Ind: N
Component NEC: 3355  Related NEC: 3385, 3386  Open to Women: No
Primary Advisor: CNO N871B  Technical Advisor: NAVSEA 05

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.

Course:  CIN:  CDP:
Sequence Code: 3  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
Primary Advisor: CNO N871B  Technical Advisor: NAVSEA 05

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 Chief of Naval Operations (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.

NOTES:

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 NAVPERS 1221/6.)

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

<table>
<thead>
<tr>
<th>Source Rating</th>
<th>Billet Paygrades: E5-E9</th>
<th>Personnel Paygrades: E5-E9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course:</td>
<td>CIN:</td>
<td>CDP:</td>
</tr>
<tr>
<td>Sequence Code: 3</td>
<td>Related NEC: 3393</td>
<td>Open to Women: No</td>
</tr>
<tr>
<td>Component NEC: 3353</td>
<td>Technical Advisor: NAVSEA 05</td>
<td>ECM: N133D</td>
</tr>
<tr>
<td>Primary Advisor: CNO N871B</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


3364 Submarine Nuclear Propulsion Plant Supervisor – Electrical

<table>
<thead>
<tr>
<th>Source Rating</th>
<th>Billet Paygrades: E5-E9</th>
<th>Personnel Paygrades: E5-E9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course:</td>
<td>CIN:</td>
<td>CDP:</td>
</tr>
<tr>
<td>Sequence Code: 3</td>
<td>Related NEC: 3394</td>
<td>Open to Women: No</td>
</tr>
<tr>
<td>Component NEC: 3354</td>
<td>Technical Advisor: NAVSEA 05</td>
<td>ECM: N1333D</td>
</tr>
<tr>
<td>Primary Advisor: CNO N871B</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3365 Submarine Nuclear Propulsion Plant Supervisor - Mechanical

Source Rating: MM  
Billet Paygrades: E5-E9  
Personnel Paygrades: E5-E9  
Course:  
CIN:  
CDP:  
Related NEC: 3395  
NR Ind: N  
Open to Women: No  
Technical Advisor: NAVSEA 05  
ECM: N133D

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:  
Related NEC: 3396  
NR Ind: N  
Open to Women: No  
Technical Advisor: NAVSEA 05  
ECM: N133D

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: Mandatory  
CIN: F-191-0010  
CDP: 050L, 031K, 042D, 355T, 1024  
Related NEC:  
NR Ind: N  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: N133D

NOTE: ET’s must be assigned a nuclear operator or supervisor NEC and must be a graduate of Electronics Technician Maintenance School (ETMS) 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: Mandatory  
CIN: S-661-1030  
CDP: 322J  
Related NEC: 
NR Ind: N  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: N133D

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: Mandatory  
CIN: S-661-1022  
CDP: 925Y  
Related NEC: 
NR Ind: N  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: N1323D

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.

<table>
<thead>
<tr>
<th>Source Rating: ET</th>
<th>Billet Paygrades: E4-E6</th>
<th>Personnel Paygrades: E3-E9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: A-661-0013</td>
<td>CDP: 1306, 203K</td>
</tr>
<tr>
<td>Sequence Code: 3</td>
<td>NR Ind: N</td>
<td></td>
</tr>
<tr>
<td>Component NEC: 9901</td>
<td>Related NEC: 3353</td>
<td>Open to Women: Yes</td>
</tr>
<tr>
<td>Primary Advisor: CNO N865</td>
<td>Technical Advisor: NAVSEA 05</td>
<td>ECM: N133D</td>
</tr>
</tbody>
</table>

3384 Surface Ship Nuclear Propulsion Plant Operator - Electrical
Operates and performs organizational level maintenance on electrical systems for surface ship nuclear propulsion plants.

<table>
<thead>
<tr>
<th>Source Rating: EM</th>
<th>Billet Paygrades: E4-E6</th>
<th>Personnel Paygrades: E3-E9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: A-661-0013</td>
<td>CDP: 1312, 203L</td>
</tr>
<tr>
<td>Sequence Code: 3</td>
<td>NR Ind: N</td>
<td></td>
</tr>
<tr>
<td>Component NEC: 9901</td>
<td>Related NEC: 3354</td>
<td>Open to Women: Yes</td>
</tr>
<tr>
<td>Primary Advisor: CNO N865</td>
<td>Technical Advisor: NAVSEA 05</td>
<td>ECM: N133D</td>
</tr>
</tbody>
</table>

3385 Surface Ship Nuclear Propulsion Plant Operator - Mechanical
Operates and performs organizational level maintenance on mechanical systems for surface ship nuclear propulsion plants.

<table>
<thead>
<tr>
<th>Source Rating: MM</th>
<th>Billet Paygrades: E4-E6</th>
<th>Personnel Paygrades: E3-E9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: A-661-0013</td>
<td>CDP: 203M, 1318</td>
</tr>
<tr>
<td>Sequence Code: 3</td>
<td>NR Ind: N</td>
<td></td>
</tr>
<tr>
<td>Component NEC: 9901</td>
<td>Related NEC: 3351, 3355</td>
<td>Open to Women: Yes</td>
</tr>
<tr>
<td>Primary Advisor: CNO N865</td>
<td>Technical Advisor: NAVSEA 05</td>
<td>ECM: N133D</td>
</tr>
</tbody>
</table>

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 organizational level maintenance on surface ship nuclear propulsion plants.

<table>
<thead>
<tr>
<th>Source Rating: MM</th>
<th>Billet Paygrades: E4-E6</th>
<th>Personnel Paygrades: E3-E9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: A-661-0015</td>
<td>CDP: 203N, 1324</td>
</tr>
<tr>
<td>Sequence Code: 3</td>
<td>NR Ind: N</td>
<td></td>
</tr>
<tr>
<td>Component NEC: 3385</td>
<td>Related NEC: 3356</td>
<td>Open to Women: Yes</td>
</tr>
<tr>
<td>Primary Advisor: CNO N865</td>
<td>Technical Advisor: NAVSEA 05</td>
<td>ECM: N133D</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Course:</td>
<td>CIN:</td>
<td>CDP:</td>
</tr>
<tr>
<td>Sequence Code: 3</td>
<td>NR Ind: N</td>
<td></td>
</tr>
<tr>
<td>Component NEC: 3383 or 3384 or 3385 or 3386 or 3393 or 3395 or 3396</td>
<td>Related NEC: 3351, 3353, 3354, 3355, 3356, 3359, 3363, 3364, 3365</td>
<td>Open to Women: Yes</td>
</tr>
<tr>
<td>Primary Advisor: CNO N865</td>
<td>3366</td>
<td>ECM: N133D</td>
</tr>
<tr>
<td>Technical Advisor: NAVSEA 05</td>
<td></td>
<td></td>
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</tbody>
</table>

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 Chief of Naval Operations (N13). 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 NAVPERS 1221/6.)
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 Chief of Naval Operations (N13) per NAVMILPERSCOMINST 1540.1 Series. Based upon this screen, NEC 338X or NEC 339X will be assigned. Chief of Naval Operations (N13) 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 paygrade, 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 Chief of Naval Operations (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
Course: Billet Pay Grades: E5-E9
Sequence Code: 3 Personnel Paygrades: E5-E9
Component NEC: 3383 Related NEC: 3363
Primary Advisor: CNO N865 Technical Advisor: NAVSEA 05
CIN: NR Ind: N
CIN: Open to Women: Yes
Personnel Paygrades: E5-E9
CDP: 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
Course: Billet Paygrades: E5-E9
Sequence Code: 3 Personnel Paygrades: E5-E9
Component NEC: 3384 Related NEC: 3364
Primary Advisor: CNO N865 Technical Advisor: NAVSEA 05
CIN: NR Ind: N
CIN: Open to Women: Yes
Personnel Paygrades: E5-E9
CDP: ECM: N133D
NOTE: Specified watch stations are; E-5/6: 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
Course: CIN:
Sequence Code: 3
Component NEC: 3385
Primary Advisor: CNO N865

Billet Paygrades: E5-E9
Personnel Paygrades: E5-E9
Related NEC: 3365
Technical Advisor: NAVSEA 05

NOTE: Specified watchstations are: E-5/6: 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
Course: CIN:
Sequence Code: 3
Component NEC: 3386
Primary Advisor: CNO N865

Billet Paygrades: E5-E9
Personnel Paygrades: E5-E9
Related NEC: 3366
Technical Advisor: NAVSEA 05

NOTE: Specified watchstations are: E-5/6: Engineering Laboratory Technician and the following: Chief Reactor Watch or Chief Machinery Operator and Shutdown Roving Watch on all CVNs; E-7/8/9: Engineering Watch Supervisor or Propulsion Plant Watch 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
Course: Factory Training CIN:
Sequence Code: 4
Component NEC: CNO N871B
Primary Advisor: CNO N871B

Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9
A-121-0025
CDP: 0A1R
NR Ind: A
Open to Women: Yes
ECM: BUPERS 323

CULINARY SPECIALIST

CS-3527 Advanced Culinary Techniques and Management
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: CS
Course: Mandatory CIN:
Sequence Code: 5
Component NEC: CNO N41
Primary Advisor: CNO N41

Billet Paygrades: E5
Personnel Paygrades: E4-E6
A-800-0030
CDP: 576L, 435D, 4763, 4918, 534R, 628E
NR Ind: R
Open to Women: Yes
ECM: BUPERS-328C

CS-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: CS
Course: Mandatory CIN:
Sequence Code: 3
Component NEC: CNO N41
Primary Advisor: CNO N41

Billet Paygrades: E6-E9
Personnel Paygrades: E6-E9
A-800-0015
CDP: 343T, 574G, 607J, 654E, 662B
NR Ind: R
Open to Women: Yes
ECM: BUPERS-328C
CS-3530 Public Quarters Enlisted Aide Specialist

Responsible to Public Quarters operations. Prepares meals, coordinates quarters maintenance and performs official function planning duties in accordance with OPNAVINST 1306.3(Series). NEC holders adhere to protocol, etiquette and Flag Officer and General Officer public residence security requirements.

Source Rating: CS
Course: Mandatory
Sequence Code: 5
Component NEC: Related NEC:
Primary Advisor: PERS-44ES
Technical Advisor: PERS-44ES

Notes:
1. Member must have a minimum of a secret security clearance.
2. NEC will be awarded upon completion of the required course, completion of Enlisted Aide Personnel Qualification Standards, and completion of one year in a valid Enlisted Aide billet. Contact the Enlisted Aide Detailer for more information.

CS-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: CS, SH
Course: Mandatory
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: CNO N41
Technical Advisor: NAVSUP (51, N00B)

NOTE: NEC no longer awardable, used strictly as a tracking NEC as of July 07.

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 instrumentalists 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
Course: Mandatory
Sequence Code: 7
Component NEC: Related NEC:
Primary Advisor: PERS-4014
Technical Advisor: PERS-4014

MU-3802 Oboe Instrumentalist

Source Rating: MU
Course: Mandatory
Sequence Code: 7
Component NEC: Related NEC:
Primary Advisor: PERS-4014
Technical Advisor: PERS-4014
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<td>MU-3803 Clarinet Instrumentalist</td>
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**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: Mandatory  CIN: A-450-0014
Sequence Code: 7  CDP: 471P
Component NEC:  NR Ind: R
Primary Advisor: PERS-4014  Open to Women: Yes
Related NEC:  ECM: BUPERS-328D
Technical Advisor: PERS-4014

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:  CIN:
Sequence Code: 7  CDP:
Component NEC:  NR Ind: N
Related NEC:  Open to Women: Yes
Primary Advisor: PERS-4014  ECM: BUPERS-328D
Technical Advisor: PERS-4014

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: Mandatory  CIN: A-450-0012
Sequence Code: 7  CDP: 3250
Component NEC:  NR Ind: N
Related NEC:  Open to Women: Yes
Primary Advisor: PERS-4014  ECM: BUPERS-328D
Technical Advisor: PERS-4014

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:  CIN:
Sequence Code: 7  CDP:
Component NEC:  NR Ind: N
Related NEC:  Open to Women: Yes
Primary Advisor: PERS-4014  ECM: BUPERS-328D
Technical Advisor: PERS-4014

MU-3855 Sound Reinforcement Technician
Performs duties as Sound Reinforcement technician for Navy Music Program activities fleet-wide. Design, set-up and run a public address/music sound reinforcement system efficiently and within system capabilities. Technician’s qualifications must include basic knowledge of: Acoustic characteristics and loudspeakers, Speaker directivity, design, and sensitivity ratings, Hearing conversation and responsibilities of front of house mixer, Microphones, mixing consoles (powered and non-powered) and the ability to: use common signal processors, configure multi-amplifier sound systems, trace signal flow throughout system, and troubleshoot entire system.

Source Rating: MU  Billet Paygrades: E4-E8  Personnel Paygrades: E4-E8
Course: Mandatory  CIN: A-450-0018
Sequence Code: 7  CDP: 6990
Component NEC:  NR Ind: N
Related NEC:  Open to Women: Yes
Primary Advisor: PERS-4014  ECM: BUPERS-328D
Technical Advisor: PERS-4014

SPECIAL QUALS: Personnel must possess competency in mixing techniques and Bandmaster’s endorsement. PERS-4014 will select best-qualified candidates to attend course.
INTELLIGENCE SPECIALIST

IS-3910 Naval Imagery Interpreter

Interprets all-source imagery intelligence, uses an electric light table (ELT) 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  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N2  
Billet Paygrades: E3-E8  
Personnel Paygrades: E3-E8  
CIN: A-243-1957 (P/L) J-242-0993  
CDP: 9005  
164P  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: CNO N2M  
ECM: BUPERS-326D

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. U.S. Air Force Course X3ABR20630-001, X3ABR20630-002, X3ABR20630-003, R-242-0011-01 or R-242-0011-02 Goodfellow AFB, TX.
   b. U.S Army Course 242-96D10 (AIT), Ft Hauchuca, AZ.
   c. National Imagery and Mapping College, National Imagery Analysis Course A101 or 000743, Washington, DC.
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 or,
   b. At least one year of civilian employment as an imagery interpreter or,
   c. At least 200 workdays of Active Duty for Training (ACDUTRA) and weekend drills where the primary duty was imagery interpretation
3. Reservists requesting the 3910 NEC submit NAVPERS 1221/6 form (Navy Enlisted Classification (NEC) Change Request)

To:  Commanding Officer, Enlisted Placement Management Center  
New Orleans, LA 70159-7900  
Via:  Chief of Naval Operations (N2M)  
2000 Navy Pentagon  
Washington, DC 20350-2000

IS-3912 Expeditionary Warfare 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 threats to NSW and SOF forces/platforms.

Source Rating: IS  
Course: Mandatory  
Sequence Code: 5  
Component NEC:  
Primary Advisor: CNO N2  
Billet Paygrades: E3-E8  
Personnel Paygrades: E3-E8  
CIN: A-243-0012 A-243-0050  
CDP: 181Z  
02S9  
NR Ind: A  
Open to Women: Yes  
Technical Advisor: CNO N2M, SPECWAR  
ECM: BUPERS-326D

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IS-3913 Navy Tactical Human Intelligence (HUMINT) Specialist

The mission of the Navy Tactical HUMINT Specialist is to acquire intelligence information from human sources in response to validate Navy and national requirements by supervising and conducting tactical HUMINT collection operations. The Navy Tactical HUMINT Specialist supervises and conducts tactical HUMINT collection operations that include, but are not limited to, debriefings, interrogations and elicitations in English and foreign languages for positive intelligence and force protection information; facilitating in theater military source operations (MSO), screening of HUMINT sources and documents to establish priorities for exploitation; under CI supervision, plans and participates in Counterintelligence and Force Protection Operations (CFPO); coordinates the translation and exploitation of captured enemy documents, foreign language and open source publications; prepares and edits appropriate intelligence and administrative reports; utilizes CI/HUMINT reporting and communications equipment; uses interpreters and manages interpreter/translator operations; conducts liaison and coordination in foreign language with host nation agencies; conducts analysis and performs briefings and debriefings as required.

Source Rating: Rating: IS (See Note 1)  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 3912  
Primary Advisor: CNO N2

Billet Paygrades: E4-E8  
Personnel Paygrades: E4-E8  
CIN: J-244-0944  
CDP: 0447  
Related NEC:  
Open to Women: Yes  
Technical Advisor: CNO N272  
ECM: BUPERS-326D

NOTES:
1. The new NEC is open to Intelligence Specialists (IS) E4-E8 who holds the 3912 Expeditionary Warfare Intelligence Specialists NEC. Waiver request will be considered on a case by case basis for individuals with relevant qualifications (such as foreign language proficiency) or prior experience in view of personnel requirements which may exist at the time of request.
2. TS/SCI Secret Security Clearance required.

IS-3923 Strike Planning Applications

Conducts afloat tactical and operational level research, analysis and dissemination in support of strike operations. Fuse multi-source data into textual and graphical presentations of the battlefield and operational area to support power projection planning. Provides mensurated aimpoints utilizing the Precision Targeting Workstation (PTW) in support of Navy Precision Guided Munition strike warfare. 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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N2  
Primary Advisor: CNO N2

Billet Paygrades: E3-E8  
Personnel Paygrades: E3-E8  
CIN: A-150-0993 (P/L)  
A-150-0991  
CDP: 9001  
663H  
Related NEC:  
Open to Women: Yes  
Technical Advisor: CNO N2M  
ECM: BUPERS-326D

IS-3924 Operational Intelligence (OPINTEL) Analyst

Fuses Electronic Intelligence (ELINT) and other SCI data into the general service (GENSER) products to provide an integrated all source C41 picture using the Tactical Command System (TCS). Provides sanitized information to the GENSER C41 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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N2  
Primary Advisor: CNO N2

Billet Paygrades: E3-E8  
Personnel Paygrades: E3-E8  
CIN: A-150-0319 (P/L)  
J-150-0962  
CDP: 7498, 7499  
3687, 422X  
NR Ind: R  
Related NEC:  
Open to Women: Yes  
Technical Advisor: CNO N2M  
ECM: BUPERS-326D
GAS TURBINE SYSTEMS TECHNICIAN

GS-4123 CG-47 Gas Turbine Electrical Maintenance Technician
Operates and performs advanced organizational and/or intermediate maintenance to the component level on CG-47 class gas turbine main propulsion and electric generating plants control systems.

Source Rating: GSE, GS  Billet Paygrades: E4-E9  Personnel Paygrades: E4-E9
Course: Mandatory  CIN: A-652-0350 (P/L)  CDP: 714G
Sequence Code: 3  A-652-0328  004W
Component NEC: Related NEC:  Open to Women: Yes
Primary Advisor: CNO N865  Technical Advisor: NAVSEA 05  ECM: BUPERS-322

GS-4124 CG-47 Gas Turbine Mechanical Maintenance Technician
Operates and performs advanced organizational and/or intermediate maintenance to the component level on CG-47 gas turbine main propulsion and electric generating plants, mechanical systems, and auxiliary support systems.

Source Rating: GSM, GS  Billet Paygrades: E4-E9  Personnel Paygrades: E4-E9
Course: Mandatory  CIN: A-652-0354 (P/L)  CDP: 714L
Sequence Code: 3  A-652-0303  173P
Component NEC: Related NEC:  Open to Women: Yes
Primary Advisor: CNO N865  Technical Advisor: NAVSEA 05  ECM: BUPERS-322

NOTE: Personnel that are assigned to a CG-47 (non-smart ship) holding either GS-4126, GS-4128, or GS-4143 Gas Turbine Mechanical Technician NEC, have a minimum of twelve (12) months CG-47 platform experience, and have completed local JQR for the propulsion control and electrical generating system are, with Commanding Officer’s recommendation, eligible to apply for NEC GS-4124. Submit NAVPERS 1221/2 to EPMAC (Code 49).

GS-4125 DDG-51 Gas Turbine Electrical Maintenance Technician
Operates and performs advanced organizational and/or intermediate maintenance to the component level on DDG-51 gas turbine main propulsion and electric generating plant control systems.

Source Rating: GSE, GS  Billet Paygrades: E4-E9  Personnel Paygrades: E4-E9
Course: Mandatory  CIN: A-652-0352 (P/L)  CDP: 714J
Sequence Code: 3  A-652-0329  004X
Component NEC: Related NEC:  Open to Women: Yes
Primary Advisor: CNO N865  Technical Advisor: NAVSEA 05  ECM: BUPERS-322

GS-4126 DDG-51 Gas Turbine Mechanical Maintenance Technician
Operates and performs advanced organizational and/or intermediate maintenance to the component level on DDG-51 gas turbine main propulsion and electric generating plants mechanical system and auxiliary support systems.

Source Rating: GSM, GS  Billet Paygrades: E4-E9  Personnel Paygrades: E4-E9
Course: Mandatory  CIN: A-652-0355 (P/L)  CDP: 714M
Sequence Code: 3  NR Ind: R
Component NEC: Related NEC:  Open to Women: Yes
Primary Advisor: CNO N865  Technical Advisor: NAVSEA 05  ECM: BUPERS-322

NOTE: Personnel that are assigned to a DDG-51 holding either GS-4124, GS-4128 or GS-4143 Gas Turbine Mechanical Technician, have a minimum of twelve (12) months DDG-51 platform experience and completed local JQR for the propulsion control and electrical generating system are, with Commanding Officer's recommendation, eligible to apply for NEC GS-4126. Submit NAVPERS 1221/6 to PERS-4013D2.
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  
Course: Mandatory  
Sequence Code: 3  
Component NEC:  
Primary Advisor: CNO N865

Billet Paygrades: E4-E9  
Personnel Paygrades: E4-E9  
CIN: A-652-0353 (P/L)  
CDP: 714K  
NR Ind: R  
Related NEC:  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

NOTES:
1. Personnel holding either GS-4124, GS-4126 or GS-4143 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 NAVPERS 1221/6 to PERS-4013D2.
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 NAVPERS 1221/6 to PERS-4013D2.

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  
Course: Mandatory  
Sequence Code: 3  
Component NEC:  
Primary Advisor: CNO N865

Billet Paygrades: E4-E9  
Personnel Paygrades: E4-E9  
CIN: A-652-0351  
CDP: 714H  
004V  
NR Ind: R  
Related NEC:  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

GS-4130 LCAC Deck Engineer
The Landing Craft Air Cushion Deck Engineer is a critical crew position aboard the LCAC, constantly working with high technical and potentially dangerous high-speed machinery. Also maintains, troubleshoots, and perform maintenance on the LCAC gas turbine engines, propulsion and lift system, and mechanical auxiliaries. The Deck Engineer will be familiar with the ABS mission.

Source Rating: GSM, GSE, HT  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N865

Billet Paygrades: E1-E5  
Personnel Paygrades: E1-E5  
CIN: S-062-0021  
CDP: 6049, 6050  
NR Ind: N  
Related NEC:  
Technical Advisor: NAVSEA 05  
ECM: PERS-4011D5

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: DC, EN, EM, GSE, GSM, HT, MM, MR  
Course: Mandatory  
Sequence Code: 5  
Component NEC:  
Primary Advisor: CNO N865

Billet Paygrades: E5-E7  
Personnel Paygrades: E5-E7  
CIN: K-652-0312  
CDP: 0622, 424J  
NR Ind: N  
Related NEC:  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

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 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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E8  
CIN: K-652-0314  
Personnel Paygrades: E3-E8  
CDP: 0609, 645S  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

GS-4135 LCAC Electrical Systems Maintenance Technician
Performs organizational and intermediate level maintenance on LCAC craft control systems.

Source Rating: GS, GSE, EM, IC  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E8  
CIN: K-652-0315  
Personnel Paygrades: E3-E8  
CDP: 0610, 646M  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

GS-4136 Marine Gas Turbine Inspector

Source Rating: GS, GSM, GSE  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E7-E9  
CIN: A-652-0503  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

NOTE: Personnel qualified per OPNAVINST 9234.1 and NAVSEA 05 ltr 9234 OPR: 56X32 Ser 56X3/366 of 16 Sep 91. Submit NAVPERS 1221/6 to PERS-4013D2 via NAVSEA 05 (03X32).

GS-4140 NAMTS Gas Turbine Repair
Performs Navy Afloat Maintenance Training Strategy (NAMTS) intermediate-level repair of marine gas turbine engines in support of Battle Force Intermediate Maintenance Activity (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 as specified in the current JQR located at www.namts.com. Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Source Rating: GSM  
Course: See Description  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E5-E7  
CIN: V-651-4140 (P/L)  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E4-E9  
CIN: A-652-4141 (P/L)  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

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GSM-4143 CG Smart Ship Engineering Control System Equipment (ECSE) Operator and Maintenance Technician

Provide personnel with information regarding engineering administrative programs necessary for performance as work center supervisor and with knowledge and skills required to perform organizational level maintenance on pumps, valves, hydraulic systems, fuel systems, lube oil systems, air systems, waste heat boilers and LM2500/Allison gas turbine engines associated with the CG-47 Smart Ship class engineering plant.

Source Rating: GSM, GS  
Course: See Description  
Sequence Code: 3  
Component NEC: CNO N869  
Primary Advisor: CNO N869  
Billet Paygrades: E4-E9  
Personnel Paygrades: E4-E9  
CIN:  
Related NEC: 4141  
Technical Advisor: NAVSEA 05  
CDP:  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322

NOTE: Personnel that are assigned to a CG-47 (smart ship) holding either GS-4124 or GS-4126 Gas Turbine Mechanical Technician, have a minimum of twelve (12) months CG-47 (smart ship) platform experience and completed local JQR for the propulsion control and electric generating system are, with Commanding Officer's recommendation, eligible to apply for NEC GS-4143. Submit NAVPERS 1221/6 to PER-4013D2.

MACHINIST'S MATE

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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E4-E7  
Personnel Paygrades: E4-E7  
CIN: M-750-9901 (P/L)  
Related NEC:  
Technical Advisor: NAVSEA 05  
CDP: 215Z  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322

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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CIN: A-651-0063 (P/L)  
Related NEC:  
Technical Advisor: NAVSEA 05  
CDP: 036Y  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322
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: E7-E9

Course: Mandatory

CIN: A-651-0110

CDP: 732X, 732W

A-4H-0178

3977

A-4H-0157

444Y

A-4H-0158

444Z

A-4H-0159

445A

A-4H-0160

445B

Sequence Code: 3

Component NEC: Related NEC: Open to Women: Yes

Primary Advisor: CNO N865 Technical Advisor: NAVSEA 05 ECM: BUPERS-322

NOTE: All E6 personnel in source ratings MM, EM, EN, IC, GSE, and GSM previously attending MM-4206 course of instruction (CIN: A-651-0110) are authorized to retain NEC 4206. No new assignments E6 personnel to MM-4206 positions are authorized as of July 2007.

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: Mandatory

CIN: A-652-0087

CDP: 01E3, 5576

NR Ind: A

Component NEC: Related NEC: Open to Women: Yes

Primary Advisor: CNO N8779 Technical Advisor: NAVSEA 05 ECM: BUPERS 323

MM-4231 SSN/SSBN Auxiliary Equipment Operator

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: Mandatory

CIN: A-652-0700

CDP: 02AY

NR Ind: R

Component NEC: Related NEC: Open to Women: No

Primary Advisor: CNO N871B Technical Advisor: NAVSEA 05 ECM: BUPERS 323

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: Mandatory

CIN: A-123-0204

CDP: 6658

NR Ind: R

Component NEC: Related NEC: Open to Women: No

Primary Advisor: CNO N871B Technical Advisor: NAVSEA 05 ECM: BUPERS 323

MM-4234 SSN 774 Class Advanced Auxiliary Equipment Technician

Operates and performs organizational level maintenance on all assigned auxiliary equipment.

Source Rating: MM

Billet Paygrades: E5-E7

Personnel Paygrades: E4-E8

Course:

CIN: A-652-0090

CDP: 04HF

NR Ind: R

Component NEC: Related NEC: Open to Women: No

Primary Advisor: CNO N871B Technical Advisor: NAVSEA 05 ECM: BUPERS 323
MM-4235 SSN 751-773 Submarine Vertical Launch System Tube Maintenance Technician
 Possesses knowledge and skills required to operate, and perform preventative maintenance and basic corrective maintenance on submarine vertical launch tube components unique to SSN 751-773 class ships.

Source Rating: MM, FT
Course: Mandatory
Sequence Code: 2
Component NEC: CNO N871B
Primary Advisor: CNO N871B
Billet Paygrades: E3-E7
Personnel Paygrades: E3-E7
CIN: A-123-0207
CDP: 2354, 1238
NR Ind: N
Related NEC: Open to Women: No
Technical Advisor: NAVSEA 05
ECM: BUPERS 323

MM-4236 Combined Torpedo MK48 Heavyweight Technician
 Provide the maintenance technician with the knowledge and skills to perform preventative and basic corrective maintenance at the Intermediate Maintenance Activity (IMA) level in support of the MK48 Heavyweight Torpedo program.

Rating: MM, ET(SS), STS, FT(SS)
Course: Mandatory
Sequence Code: 5
Component NEC: CNO N871B
Primary Advisor: CNO N871B
Billet Paygrades: E4-E7
Personnel Paygrades: E4-E7
CIN: A-123-0198
CDP: 03NJ
NR Ind: R
Related NEC: Open to Women: Yes
Technical Advisor: NAVSEA 05
ECM: PERS-323

NOTE: A Secret Security Clearance is required to obtain this NEC.

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
Course: Mandatory
Sequence Code: 5
Component NEC: CNO N871B
Primary Advisor: CNO N871B
Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9
CIN: A-652-0150
CDP: 044W, 050V, 354X, 5501, 8126
NR Ind: R
Related NEC: Open to Women: No
Technical Advisor: NAVSEA 05
ECM: BUPERS 323

MM-4247 SSN 719 – 725 and 750 Submarine Vertical Launch System Tube Maintenance Technician
 Possesses knowledge and skills required to operate and perform preventative maintenance and basic corrective maintenance on submarine vertical launch tube components unique to SSN 719-725 and 750 ships.

Source Rating: MM, FT
Course: Mandatory
Sequence Code: 2
Component NEC: CNO N871B
Primary Advisor: CNO N871B
Billet Paygrades: E3-E7
Personnel Paygrades: E2-E7
CIN: A-123-0210
CDP: 5266, 5267
NR Ind: N
Related NEC: Open to Women: No
Technical Advisor: NAVSEA 05
ECM: BUPERS 323

MM-4252 Electrolytic Oxygen Generator (Model 6L16) Operator
 Operates Model 6L16 Electrolytic Oxygen Generator.

Source Rating: MM, EM
Course: Mandatory
Sequence Code: 5
Component NEC: CNO N871B
Primary Advisor: CNO N871B
Billet Paygrades: E3-E8
Personnel Paygrades: E3-E9
CIN: A-652-0050
CDP: 5224, 4812, 015K, 044Y, 354M, 170G
NR Ind: A
Related NEC: Open to Women: No
Technical Advisor: NAVSEA 05
ECM: BUPERS 323
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. School is factory training.

Source Rating: MM  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N871B  
Primary Advisor: CNO N871B

Billet Paygrades: E4-E6  
CIN: A-652-0592  
Related NEC: 4252  
Technical Advisor: NAVSEA 05

Personnel Paygrades: E4-E6  
CDP: 5861  
Open to Women: No  
ECM: BUPERS 323

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N865, N879, N889  
Primary Advisor: CNO N865

Billet Paygrades: E4-E8  
CIN: J-750-0015  
Related NEC:  
Technical Advisor: NAVSEA 05, NAVAIR

Personnel Paygrades: E3-E9  
CDP: 809U  
Open to Women: Yes  
ECM: BUPERS-322

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N865  
Primary Advisor: CNO N865

Billet Paygrades: E3-E9  
CIN: A-720-0010  
Related NEC:  
Technical Advisor: NAVSEA 05

Personnel Paygrades: E3-E9  
CDP: 3102, 713J  
Open to Women: Yes  
ECM: BUPERS-322

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N865  
Primary Advisor: CNO N865

Billet Paygrades: E3-E7  
CIN: J-690-0028  
Related NEC:  
Technical Advisor: NAVSEA 05

Personnel Paygrades: E3-E9  
CDP: 703C  
Open to Women: Yes  
ECM: BUPERS-322

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: EN  
Source Rating: MM, GM, AO  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N865  
Primary Advisor: CNO N865

Billet Paygrades: E3-E7  
Billet Paygrades: E4-E7  
CIN: A-690-0100  
Related NEC: 4295  
Technical Advisor: NAVSEA 05

Personnel Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CDP: 585R  
Open to Women: Yes  
ECM: BUPERS-322

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**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: CNO N865
CIN:
Related NEC: NAVSEA 05, SPECWAR
Technical Advisor: NAVSEA 05, SPECWAR
CDP: 785X
NR Ind: A
Open to Women: Yes
ECM: BUPERS-322

**NOTE:** Personnel completing USCG course of instruction and have Commanding Officers’ recommendation can be awarded this NEC. Submit NAVPERS 1221/6 to PERS-4013D2.

**EN-4303 Cummins Diesel Engines Technician**
Operates and performs organizational and/or extensive intermediate maintenance and overhaul on the Cummins Diesel Engines (6BTA5.9M and 6B5.9M) and associated auxiliary equipment.

Source Rating: EN
Billet Paygrades: E3-E9
Personnel Paygrades: E3-E9
Source Rating: SB
Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9
Course: Factory Training
CIN: K-652-0232
Related NEC: NAVSEA 05
Technical Advisor: NAVSEA 05
CDP: 378D, 423D
NR Ind: A
Open to Women: Yes
ECM: BUPERS-322

**NOTE:** NEC awarded through factory training.

**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: Mandatory
CIN: A-652-0210
CDP: 533U
NR Ind: A
Open to Women: Yes
ECM: BUPERS-322
Primary Advisor: CNO N851
Related NEC: NAVSEA 05
Technical Advisor: SPECWAR

**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 manufacturer’s technical manual or performance checklist.

Source Rating: EN, SB
Billet Paygrades: E3-E6
Personnel Paygrades: E3-E6
Course: Mandatory
CIN: A-652-0210
CDP: 533U
NR Ind: A
Open to Women: Yes
Primary Advisor: CNO N851
Related NEC: NAVSEA 05
Technical Advisor: SPECWAR
ECM: BUPERS-322

**EN-4306 Caterpillar Electronically Controlled Engine Technician**
Performs organizational level maintenance and troubleshooting on Caterpillar B series engines.

Source Rating: EN
Billet Paygrades: E3-E7
Personnel Paygrades: E3-E7
Course: Mandatory
CIN: A-652-0600
CDP: 785X
NR Ind: A
Open to Women: Yes
Primary Advisor: CNO N869
Related NEC: NAVSEA 05
Technical Advisor: SPECWAR
ECM: BUPERS-322
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  
Course: See Note  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: K-652-0297  
CDP: 179Y, 647R  
NR Ind: A  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

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, EQ  
Course: Mandatory  
Sequence Code: 3  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Billet Paygrades: E5-E9  
Personnel Paygrades: E4-E9  
CIN: A-652-0321  
CDP: 005G  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

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  
Source Rating: EM, BM, HT, SO, EOD, ND, SB  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E8  
Personnel Paygrades: E3-E8  
CIN: K-652-0237  
CDP: 093D, 696G, 696F  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

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 and assesses material condition, monitors general readiness, provides on-board maintenance training, and diagnoses improper operating procedures and equipment casualties/failures and supports corrective actions of marine main propulsion diesel engines, diesel generators, and component systems.

Source Rating: EN, MM  
Course: Mandatory  
Sequence Code: 3  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Billet Paygrades: E7-E9  
Personnel Paygrades: E7-E9  
CIN: A-652-0311  
CDP: 696G, 696F  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

NOTES:
1. NEC assignment is based on 5 years experience in operation and maintenance of main propulsion diesel engines or diesel generators and must pass certification course administered by Center of Naval Excellence or other NAVSEA 05 designated representative.
2. E-6 EN and Submarine MM may attend the certification course if they have been selected for promotion to CPO and meet the other NEC requirements.
3. Submit NAVPERS 1221/6 with supporting documentation to PERS-4013D2 for award of 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-1302S-28AA Gas Turbine Generator Set used on board the MCM class ships.

Source Rating: EN  
Course: 
Sequence Code: 4  
Component NEC: 
Primary Advisor: CNO N865  
Billet Paygrades: E4-E6  
Personnel Paygrades: E4-E9  
CIN:  
Related NEC:  
Technical Advisor: NAVSEA 05  
CDP:  
Open to Women: Yes  
ECM: BUPERS-322

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-1302S-28AA Gas Turbine Generator set used on board the MCM class ships.

Source Rating: EN  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 
Primary Advisor: CNO N865  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CIN: A-652-0017  
Related NEC:  
Technical Advisor: NAVSEA 05  
CDP: 4913  
Open to Women: Yes  
ECM: BUPERS-322

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  
Source Rating: MM  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 
Primary Advisor: CNO N865  
Billet Paygrades: E4-E9  
Personnel Paygrades: E4-E9  
Billet Paygrades: E5-E9  
Personnel Paygrades: E4-E9  
CIN: A-652-0323  
Related NEC:  
Technical Advisor: NAVSEA 05  
CDP: 005J  
Open to Women: Yes  
ECM: BUPERS-322

EN-4340-4346 NAMTS Diesel Engine, Governor, and Injector Repair Technician, Generalist
Performs Navy Afloat Maintenance Training Strategy (NAMTS) intermediate-level maintenance on marine diesel engines including governor/injectors used for propulsion or generator service in support of Battle Force Intermediate Maintenance Activity (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 as specified in the current JQR located at www.namts.com. Training will be led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

EN-4340 NAMTS Diesel Engine, Governor, and Injector Repair Technician, Generalist

Source Rating: EN  
Course: See Header Description  
Sequence Code: 3  
Component NEC: See Note  
Primary Advisor: CNO N865  
Billet Paygrades: E5-E7  
Personnel Paygrades: E4-E8  
CIN: V-652-4340  
CDP: 6829, 682A, 682B, 682C, 682D, 682E, 682F, 682G, 682H  
Related NEC: 4342, 4343, 4344 and 4346  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

NOTE: BFIMA NEC 4340 will be awarded to Enginemen who have completed the NAMTS JQR for this skill but who lacks any of the component NECs required for platform or system specific NECs listed immediately below. Sailors who subsequently earn component NECs should request conversion to the higher-level NEC when eligible.
EN-4342 NAMTS Diesel Engine, Governor and Injector Repair Technician, ALCO (251C) and General Motors EMD (645) Specialization

Source Rating: EN  
Billet Paygrades: E5-E7  
Personnel Paygrades: E4-E8  
Course: See Header Description  
CIN: V-652-4342 (P/L)  
Sequence Code: 3  
Component NEC: 4310  
Related NEC: 4340, 4343, 4344 and 4346  
Open to Women: Yes  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322  

NOTE: BFIMA NEC 4343 Specifically identifies Enginemen with previous experience based on the 4310 Component NEC.

EN-4343 NAMTS Diesel Engine, Governor and Injector Repair Technician, MCM Propulsion (Isotta Franchini / SOLAR) Specialization

Source Rating: EN  
Billet Paygrades: E5-E7  
Personnel Paygrades: E4-E8  
Course: See Header Description  
CIN: V-652-4343 (P/L)  
Sequence Code: 3  
Component NEC: 4324  
Related NEC: 4340, 4342, 4344 and 4346  
Open to Women: Yes  
Primary Advisor: CNO 865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322  

NOTE: BFIMA NEC 4343 specifically identifies Enginemen with previous experience based on the 4324 Component NEC.

EN-4344 NAMTS 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: E4-E8  
Course: See Header Description  
CIN: V-652-4344 (P/L)  
Sequence Code: 3  
Component NEC: 4333  
Related NEC: 4340, 4342, 4344 and 4346  
Open to Women: Yes  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322  

NOTE: BFIMA NEC 4344 specifically identifies Enginemen with previous experience based on the 4333 Component NEC.

EN-4345 16V146TI Diesel Engine/Waste Heat System Technician

Performs, at the organizational level, operational procedures and preventive maintenance on 16V149TI Diesel Engine/Waste Heat System.

Source Rating: EN  
Billet Paygrades: E5-E7  
Personnel Paygrades: E4-E7  
Course: Mandatory  
CIN: A-652-0167  
CDP: 2974  
Sequence Code: 4  
Component NEC:  
Related NEC:  
Open to Women: Yes  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322  

EN-4346 NAMTS Diesel Engine, Governor and Injector Repair Technician, FFG-7 Class Auxiliaries Mechanical System Specialization

Source Rating: EN  
Billet Paygrades: E5-E7  
Personnel Paygrades: E4-E8  
Course: See Header Description  
CIN: V-652-4346 (P/L)  
Sequence Code: 3  
Component NEC: 4382  
Related NEC: 4340, 4342, 4344 and 4346  
Open to Women: Yes  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322  

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N865  
Billet Paygrades: E4-E7  
Personnel Paygrades: E4-E7  
CIN: K-652-2205  
CDP: 159H, 083G  
Abstract Ind: R  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N865  
Billet Paygrades: E4-E9  
Personnel Paygrades: E3-E9  
CIN: A-652-0338  
CDP: 4943  
Abstract Ind: R  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 4333  
Primary Advisor: CNO N865  
Billet Paygrades: E5-E9  
Personnel Paygrades: E4-E9  
CIN: A-652-0349 (P/L)  
CDP: 594T  
Abstract Ind: R  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N865  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: A-652-0233 (P/L)  
CDP: 066R  
Abstract Ind: R  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

EN-4383 Auxiliary Systems Technician
Performs at the organizational level, operational procedures and preventive and corrective maintenance on auxiliary systems onboard CG-47, DDG-51 and DD-963 class ships.

Source Rating: EN  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N865  
Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E9  
CIN: K-652-2167 (P/L)  
CDP: 011Q  
Abstract Ind: R  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322
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 mills. Understanding the nature and physical properties of metal and alloys with demonstration and practice in metal testing, identification and heat treating.

Source Rating: MR  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E4-E6  
CIN: A-702-0029 (P/L)  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E4-E9  
CDP: 5252, 5251  
Open to Women: Yes  
ECM: BUPERS-322

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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E5-E6  
CIN: A-702-0025  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E5-E9  
CDP: 744D  
Open to Women: Yes  
ECM: BUPERS-322

MACHINIST’S MATE

MM-4502 Boiler Repair Technician
Performs intermediate level maintenance on marine propulsion boilers. Reviews and maintains records and reports pertinent to boiler repair.

Source Rating: MM  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E5-E9  
CIN: K-651-0109  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E5-E9  
CDP: 089Y  
Open to Women: Yes  
ECM: BUPERS-322

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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E7-E9  
CIN: K-651-2151  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E7-E9  
CDP: 4131  
Open to Women: Yes  
ECM: BUPERS-322

NOTE: Failure to maintain certification as specified in OPNAVINST 9221.1 Series will result in removal of NEC.

MM-4508 Electronic Automatic Boiler Controls Console Operator
Stands watch on electronic automatic boiler control console. Identifies abnormal conditions in plant operation that may lead to an emergency and/or casualty and initiates corrective or emergency procedures.

Source Rating: MM  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N869  
Primary Advisor: CNO N869  
Billet Paygrades: E4-E9  
CIN: A-651-0089  
Component NEC: Related NEC:  
Primary Advisor: CNO N869  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E4-E9  
CDP: 635D, 635E  
Open to Women: Yes  
ECM: BUPERS-322
MM-4509 Electronic Automatic Boiler Controls Maintenance Technician
Performs organizational level maintenance on electronic automatic boiler controls systems, including preventive and corrective maintenance, troubleshooting, calibration, and testing on system and subsystem components.

Source Rating: MM
Course: Mandatory
Sequence Code: 4
Component NEC: 4508
Primary Advisor: CNO N869
Billet Paygrades: E4-E9
CIN: A-651-0088
Related NEC: Open to Women: Yes
Technical Advisor: NAVSEA 05
ECM: BUPERS-322

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
Course: Mandatory
Sequence Code: 4
Component NEC: 4533
Primary Advisor: CNO N865
Billet Paygrades: E4-E9
CIN: A-651-0040
Related NEC: Open to Women: Yes
Technical Advisor: NAVSEA 05
CDP: 4136
NR Ind: R

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
Course: Mandatory
Sequence Code: 6
Component NEC: 4533
Primary Advisor: CNO N865
Billet Paygrades: E4-E9
CIN: A-651-0046
Related NEC: Open to Women: Yes
Technical Advisor: NAVSEA 05
CDP: 4315
NR Ind: R

MM-4540 NAMTS Valve Repair Technician
Performs Navy Afloat Maintenance Training Strategy (NAMTS) intermediate-level maintenance procedures in inspecting and repairing marine valves, valve manifolds and other steam system components in support of Battle Force Intermediate Maintenance Activity (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 as specified in the current JQR located at www.namts.com. Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Source Rating: MM
Source Rating: EN
Course: See Description
Sequence Code: 3
Component NEC: 4540
Primary Advisor: CNO N865
Billet Paygrades: E4-E7
Billet Paygrades: E5-E7
CIN: V-652-4540 (P/L)
Related NEC: Open to Women: Yes
Technical Advisor: NAVSEA 05
Personnel Paygrades: E4-E8
Personnel Paygrades: E4-E8
NR Ind: N
ECM: BUPERS-322
MM-4541 NAMTS Hydraulics Repair Technician
Performs Navy Afloat Maintenance Training Strategy (NAMTS) intermediate-level maintenance procedures on hydraulic systems and components of propulsion machinery, auxiliary equipment, and outside machinery in support of Battle Force Intermediate Maintenance Activity (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 as specified in the current JQR located at www.namts.com. 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
Billet Paygrades: E5-E7
Personnel Paygrades: E4-E8
Course: See Description
CIN: V-652-4541 (P/L)

Sequence Code: 3
Component NEC: Related NEC:
Open to Women: Yes
Primary Advisor: CNO N865
Technical Advisor: NAVSEA 05
ECM: BUPERS-322

MM-4542 NAMTS Outside Machinist
Performs Navy Afloat Maintenance Training Strategy (NAMTS) intermediate-level maintenance on all types of main propulsion systems, equipment, and auxiliary machinery in support of Battle Force Intermediate Maintenance Activity (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 as specified in the current JQR located at www.namts.com. Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Source Rating: MM
Billet Paygrades: E5-E7
Personnel Paygrades: E4-E8
Course: See Description
CIN: V-652-4542 (P/L)
CDP: 693C, 693D, 693E, 693F, 693G, 693H, 693J, 693K, 693L

Sequence Code: 3
Component NEC: Related NEC:
Open to Women: Yes
Primary Advisor: CNO N865
Technical Advisor: NAVSEA 05
ECM: BUPERS-322

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: Mandatory
CIN: J-662-0021
CDP: 471R, 4893

Sequence Code: 5
Component NEC: Related NEC:
Open to Women: Yes
Primary Advisor: CNO N865, N879
Technical Advisor: NAVSEA 05
ECM: BUPERS-322

NOTE: NEC awarded upon completion of the appropriate SQIP course and proficiency examination.

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: Mandatory
CIN: A-662-0131 (P/L)
CDP: 095D

Sequence Code: 4
Component NEC: Related NEC:
Open to Women: Yes
Primary Advisor: CNO N865
Technical Advisor: NAVSEA 05
ECM: BUPERS-322
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
Course: Mandatory
Sequence Code: 3
Component NEC: Primary Advisor: CNO N865

EM-4641 SSN 774 Integrated Low Pressure Electrolyzer Equipment Technician
Operates and performs organizational level maintenance on the Integrated Low Pressure Electrolyzer and associated equipment.

Source Rating: EM, ET
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N871B

EM-4651 NAMTS Outside Electrical Repair
Performs Navy Afloat Maintenance Training Strategy (NAMTS) intermediate-level electrical maintenance procedures on various shipboard equipment and systems in support of Battle Force Intermediate Maintenance Activity (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 as specified in the current JQR located at www.namts.com. Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Source Rating: EM
Course: See Description
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: CNO N865

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
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC: 4666
Primary Advisor: CNO N865

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
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N865
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 performs systems test on UNREP systems.

- **Source Rating:** EM, IC
- **Billet Paygrades:** E3-E7
- **Personnel Paygrades:** E3-E7
- **Course:** Mandatory
- **CIN:** J-690-0029
- **CDP:** 703D
- **Sequence Code:** 4
- **Component NEC:** CNO N865
- **Related NEC:**
- **Primary Advisor:** CNO N865
- **Technical Advisor:** NAVSEA 05
- **NR Ind:** R
- **Open to Women:** Yes
- **ECM:** BUPERS-322

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 Rating:** EM, FC, GM, IC
- **Billet Paygrades:** E4-E7
- **Personnel Paygrades:** E4-E7
- **Course:** Mandatory
- **CIN:** A-690-0099
- **CDP:** 585P
- **Sequence Code:** 4
- **Component NEC:** CNO N865, N889, N879
- **Related NEC:**
- **Primary Advisor:** CNO N865, N889, N879
- **Technical Advisor:** NAVAIR, NAVSEA 05
- **NR Ind:** R
- **Open to Women:** Yes
- **ECM:** BUPERS-322

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:** Mandatory
- **CIN:** C-604-2013
- **CDP:** 3803
- **Sequence Code:** 4
- **Component NEC:** CNO N889
- **Related NEC:**
- **Primary Advisor:** CNO N889
- **Technical Advisor:** NAVAIR, NAVSEA 05
- **NR Ind:** R
- **Open to Women:** Yes
- **ECM:** BUPERS-322

EM-4673 LAMPS MK III RAST/HRS Electrical Maintenceman

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:** E4-E7
- **Personnel Paygrades:** E4-E7
- **Course:** Mandatory
- **CIN:** K-652-2204
- **CDP:** 083F, 159G
- **Sequence Code:** 4
- **Component NEC:** CNO N865, N889
- **Related NEC:**
- **Primary Advisor:** CNO N865, N889
- **Technical Advisor:** NAVAIR, NAVSEA 05
- **NR Ind:** R
- **Open to Women:** Yes
- **ECM:** BUPERS-322

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:** Mandatory
- **CIN:** A-652-0593
- **CDP:** 5865
- **Sequence Code:** 4
- **Component NEC:** CNO N871B
- **Related NEC:**
- **Primary Advisor:** CNO N871B
- **Technical Advisor:** NAVSEA 05
- **NR Ind:** N
- **Open to Women:** No
- **ECM:** BUPERS 323
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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N43  
Primary Advisor: CNO N43  
Personnel Paygrades: E4-E7

EM-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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N871B  
Primary Advisor: CNO N871B  
Personnel Paygrades: E3-E7

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Personnel Paygrades: E4-E8

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 4746  
Primary Advisor: CNO N865  
Personnel Paygrades: E4-E8

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  
Course:  
Sequence Code: 4  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Personnel Paygrades: E5-E7

IC-4707 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  
Course:  
Sequence Code: 4  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Personnel Paygrades: E5-E7
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  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N865  

Billet Paygrades: E3-E7  
CIN: A-623-0101  
Personnel Paygrades: E3-E7  
CDP: 713D  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322

IC-4713 MarCom Integrated Voice Communication System (IVCS) Technician
Operates and performs organizational level maintenance on the MarCom IVCS and associated peripheral equipment installed in the system. Analyzes system faults, isolates, identifies, and performs corrective actions as required. Ensures 24-hours-a-day operation during ships readiness conditions I through V.

Source Rating: IC  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N865  

Billet Paygrades: E3-E8  
CIN: A-623-0022  
Personnel Paygrades: E3-E8  
CDP: 970H  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC:  
Primary Advisor: CNO N865  

Billet Paygrades: E4-E8  
CIN: A-623-0013  
Personnel Paygrades: E4-E8  
CDP: 4021  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-322

IC-4720 Gyrocompass Maintenance
Performs organizational level preventive and corrective maintenance, troubleshooting and fault isolation on the MK 27 MOD 0 Gyrocompass.

Source Rating: IC, EM  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N865  

Billet Paygrades: E5-E8  
CIN: K-670-2152  
Personnel Paygrades: E4-E8  
CDP: 4703  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-322

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  
Course: Course Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N865  

Billet Paygrades: E4-E8  
CIN: A-670-0055  
Personnel Paygrades: E3-E8  
CDP: 087Z  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-322

IC-4723 MK 23 Gyrocompass Systems Maintenance Technician - Deleted
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
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N865
Primary Advisor: CNO N865
Billet Paygrades: E3-E8
Personnel Paygrades: E3-E8
CIN: A-670-0048
CDP: 409L
Related NEC: NAVSEA 05
Technical Advisor: NAVSEA 05
NR Ind: R
Open to Women: Yes
ECM: BUPERS-322

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
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N865
Primary Advisor: CNO N865, N889
Billet Paygrades: E3-E7
Personnel Paygrades: E3-E9
CIN: A-670-0053
CDP: 295S
Related NEC: NAVSEA 05
Technical Advisor: NAVSEA 05
NR Ind: N
Open to Women: Yes
ECM: BUPERS-322

IC-4743 Integrated Launch and Recovery Television Surveillance (ILARTS) System Maintenance Technician

Source Rating: IC
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N865, N889
Primary Advisor: CNO 20
Billet Paygrades: E3-E7
Personnel Paygrades: E3-E7
CIN: A-191-0011
CDP: 160D
Related NEC: NAVAIR, NAVSEA 05
Technical Advisor: NAVAIR, NAVSEA 05
NR Ind: R
Open to Women: Yes
ECM: BUPERS-322

IC-4745 Optical Landing System Technician - Deleted

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
Course: Mandatory
Sequence Code: 4
Component NEC: CNO 20
Primary Advisor: CNO 20
Billet Paygrades: E3-E7
Personnel Paygrades: E3-E9
CIN: A-191-0010
CDP: 160C
Related NEC: NAVAIR, NAVSEA 05
Technical Advisor: NAVAIR, NAVSEA 05
NR Ind: R
Open to Women: Yes
ECM: BUPERS-322

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
Course: Mandatory
Sequence Code: 3
Component NEC: 4746
Primary Advisor: CNO N865

Billet Paygrades: E4-E8
Personnel Paygrades: E4-E8
CIN: S-198-0053
CDP: 959L
NR Ind: R
Open to Women: Yes
ECM: BUPERS-322

NOTES: 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 PERS-4013D2 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
Course: Mandatory
Sequence Code: 7
Component NEC: Related NEC:
Primary Advisor: CNO N20
Technical Advisor: NAVSEA 05, SECGRU, SPAWAR

Billet Paygrades: E3-E6
Personnel Paygrades: E3-E6
CIN: A-198-0030
CDP: 4388
NR Ind: R
Open to Women: Yes
ECM: BUPERS-322

ET-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
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC: 4252
Primary Advisor: CNO N871B
Technical Advisor: NAVSEA 05

Billet Paygrades: E3-E7
Personnel Paygrades: E3-E9
CIN: A-623-0039
CDP: 5219, 4811, 043K, 044D, 170N, 356P
NR Ind: A
Open to Women: Yes
ECM: BUPERS 323

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
Source Rating: EM
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N865
Technical Advisor: NAVSEA 05

Billet Paygrades: E3-E8
Personnel Paygrades: E3-E8
Billet Paygrades: E4-E8
Personnel Paygrades: E4-E9
CIN: A-623-0112
CDP: 385E
NR Ind: R
Open to Women: Yes
ECM: BUPERS-322

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
Source Rating: EM
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N865
Technical Advisor: NAVSEA 05

Billet Paygrades: E4-E8
Personnel Paygrades: E4-E9
CIN: A-623-0039
CDP: 385E
NR Ind: R
Open to Women: Yes
ECM: BUPERS-322
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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E4-E9  
CDP: 385E  
Open to Women: Yes  
ECM: BUPERS-322

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), and the Flight Deck Signaling Status System (FDSSS).

Source Rating: IC  
Source Rating: EM  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E4-E9  
CDP: 479C, 548A  
Open to Women: Yes  
ECM: BUPERS-322

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E3-E9  
CDP: 587P  
Open to Women: Yes  
ECM: BUPERS-322

IC-4776 MK 9 MOD 4/MK 10 MOD 0 DRAI and MK 6 MOD 4B DRT Technician

Source Rating: EM, IC  
Course: Mandatory  
Sequence Code: 5  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E3-E9  
CDP: 407F  
Open to Women: Yes  
ECM: BUPERS-322

IC-4777 MK6 MOD 4D Digital Dead Reckoning Trace (DDRT) Technician

Source Rating: IC  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E3-E7  
CDP: 722A  
Open to Women: Yes  
ECM: BUPERS-322

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E4-E7  
CDP: 201G  
Open to Women: Yes  
ECM: BUPERS-322
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.

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: A-670-0064</td>
<td>CDP: 0094</td>
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<td>Sequence Code: 4</td>
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<td>Component NEC:</td>
<td>Related NEC:</td>
<td>Open to Women: Yes</td>
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<tr>
<td>Primary Advisor: CNO N865</td>
<td>Technical Advisor: NAVSEA 05</td>
<td>ECM: BUPERS-322</td>
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</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Source Rating: IC, EM</th>
<th>Billet Paygrades: E4-E6</th>
<th>Personnel Paygrades: E4-E9</th>
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<tr>
<td>Course: Mandatory</td>
<td>CIN: A-670-0058</td>
<td>CDP: 0968</td>
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<td>Sequence Code: 3</td>
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<tr>
<td>Component NEC:</td>
<td>Related NEC:</td>
<td>Open to Women: Yes</td>
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<tr>
<td>Primary Advisor: CNO N865</td>
<td>Technical Advisor: NAVSEA 05</td>
<td>ECM: BUPERS-322</td>
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</tbody>
</table>

IC-4783 MHC-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.

<table>
<thead>
<tr>
<th>Source Rating: EM, IC</th>
<th>Billet Paygrades: E4-E7</th>
<th>Personnel Paygrades: E4-E7</th>
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<tr>
<td>Course: Mandatory</td>
<td>CIN: A-651-0123</td>
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<td>Sequence Code: 3</td>
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<td>Component NEC:</td>
<td>Related NEC:</td>
<td>Open to Women: Yes</td>
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<tr>
<td>Primary Advisor: CNO N865</td>
<td>Technical Advisor: NAVSEA 05 (PMS-490)</td>
<td>ECM: BUPERS-322</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Source Rating: IC, EM</th>
<th>Billet Paygrades: E4-E7</th>
<th>Personnel Paygrades: E4-E7</th>
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</thead>
<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: A-623-0010</td>
<td>CDP: 644M</td>
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<td>Sequence Code: 2</td>
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<td>Component NEC:</td>
<td>Related NEC:</td>
<td>Open to Women: Yes</td>
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<tr>
<td>Primary Advisor: CNO N865</td>
<td>Technical Advisor: NAVSEA 05 (PMS-490)</td>
<td>ECM: BUPERS-322</td>
</tr>
</tbody>
</table>

IC-4787 Improved Fresnel Lens Optical Landing System (IFLOLS) Maintenance Technician
Performs organization and/or intermediate maintenance on the Improved Fresnel Lens Optical Landing System (IFLOLS). Use general and special purpose test equipment, built-in test equipment, stabilization trouble analysis and PMS of IFLOLS.

<table>
<thead>
<tr>
<th>Source Rating: IC</th>
<th>Billet Paygrades: E4-E8</th>
<th>Personnel Paygrades: E4-E8</th>
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<tr>
<td>Course: Mandatory</td>
<td>CIN: C-670-2011</td>
<td>CDP: 632N</td>
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<td>Sequence Code: 4</td>
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<tr>
<td>Component NEC:</td>
<td>Related NEC:</td>
<td>Open to Women: Yes</td>
</tr>
<tr>
<td>Primary Advisor: CNO N865</td>
<td>Technical Advisor: NAVSEA 05, NAVAIR</td>
<td>ECM: BUPERS-322</td>
</tr>
</tbody>
</table>
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, MR, PR  
Billet Paygrades: E5-E9  
Personnel Paygrades: E5-E9
Source Rating: AD, AE, AM, AME, AT  
Billet Paygrades: E5-E8  
Personnel Paygrades: E5-E8
Source Rating: AF, AV  
Billet Paygrades: E9  
Personnel Paygrades: E9
Course: Mandatory  
CIN: A-495-2062  
CDP: 437M
Sequence Code: 5
Component NEC:  
Related NEC:  
Open to Women: Yes
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

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, HT, MR  
Billet Paygrades: E6-E9  
Personnel Paygrades: E6-E9
Course: Mandatory  
CIN: A4G-1111  
CDP: 00DB, 02GP
Sequence Code: 3
Component NEC: 4805  
Related NEC:  
Open to Women: Yes
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

HULL MAINTENANCE TECHNICIAN

HT-4911 NAMTS Shipfitter
Performs Navy Afloat Maintenance Training Strategy (NAMTS) intermediate-level maintenance procedures in fabricating and installing flat and/or complex metal forms in support of Battle Force Intermediate Maintenance Activity (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 as specified in the current JQR located at www.namts.com. 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: E4-E8
Course: See Description  
CIN: V-700-4911 (P/L)  
Sequence Code: 3
Component NEC:  
Related NEC:  
Open to Women: Yes
Primary Advisor: CNO N865  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322
HT-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 05 250-1500-1 and NSTM CH 074 V2 within three months of reporting on board. If the inspector/examiner fails to recertify, a NAVPERS 1221/6 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 extent 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 4942-4947 require certification. Submit NAVPERS 1221/6 to PERS-4013D2 with a verification copy attached. Addressed requests for examiner certification to:

(Nuclear NEC HT-4947) NAVSEA 05 Test Examiner Qualification Program P.O. Box 79 ZAP 55A West Mifflin, PA 15122-0079

(Conventional NEC HT-4946) NAVSEA 05 Test Examiner Certification Agency Service School Command Great Lakes Hull Division Bldg. 520 2306 Sheridan Rd. Great Lakes, IL 60088

HT-4942 VT MT 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 Billet Paygrades: E4-E8 Personnel Paygrades: E3-E8
Course: Mandatory CIN: A-701-0033 CDP: 576W
Sequence Code: 3 NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N865, N879 Technical Advisor: NAVSEA 05 ECM: BUPERS-322

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 Billet Paygrades: E4-E6 Personnel Paygrades: E4-E7
Course: Mandatory CIN: A-701-0057 CDP: 576Y
Sequence Code: 3 NR Ind: R
Component NEC: 4942 Related NEC: Open to Women: Yes
Primary Advisor: CNO N865, N879 Technical Advisor: NAVSEA 05 ECM: BUPERS-322

HT-4944 VT MT PT and UT NDT Inspector
Performs nondestructive tests using Visual, Magnetic Particle, Liquid Penetrant, and Ultrasonic inspection methods in accordance with standards set forth in NSTM Chapter 074 Volume 2.

Source Rating: HT Billet Paygrades: E4-E6 Personnel Paygrades: E4-E7
Course: Mandatory CIN: A-701-0058 CDP: 576Z
Sequence Code: 3 NR Ind: R
Component NEC: 4942 Related NEC: Open to Women: Yes
Primary Advisor: CNO N865, N879 Technical Advisor: NAVSEA 05 ECM: BUPERS-322
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 N865, N879  

Billet Paygrades: E7-E9  
Personnel Paygrades: E6-E9  
CIN: NR Ind: R  
Related NEC: Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

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 05 250-1500-1. 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: 4943 and 4944  
Primary Advisor: CNO N865, N879  

Billet Paygrades: E7-E9  
Personnel Paygrades: E7-E9  
CIN: NR Ind: R  
Related NEC: Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

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 05 250-1500-1. Applicant must hold HT 4943, have a minimum of five years experience as a HT-4943 and 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 05 250-1500-1). Qualification must be maintained as outlined in NAVSEA 05 250-1500-1 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 NAMTS Pipefitter

Performs Navy Afloat Maintenance Training Strategy (NAMTS) intermediate-level maintenance procedures fabricating and installing piping in support of Battle Force Intermediate Maintenance Activity (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 as specified in the current JQR located at www.namts.com. Training is led by journeyman-level craftsmen and supplemented by appropriate self-paced instruction consistent with Department of Labor journeyman certification.

Source Rating: HT  
Course: See Description  
Sequence Code: 3  
Component NEC:  
Primary Advisor: CNO N865  

Billet Paygrades: E5-E7  
Personnel Paygrades: E4-E8  
CIN: V-711-4952 (P/L)  
NR Ind: N  
Related NEC: Open to Women: Yes  
Technical Advisor: NAVSEA 05  
ECM: BUPERS-322

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 05 250-1500-1 or Mil-Standard 248 within three month of reporting on board. If the welders fail to requalify, NAVPERS 1221/6 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 CHNAVPER (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 Advanced Welder**


<table>
<thead>
<tr>
<th>Source Rating: HT</th>
<th>Billet Paygrades: E4-E9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course: Mandatory</td>
<td>Personnel Paygrades: E3-E9</td>
</tr>
<tr>
<td>Sequence Code: 3</td>
<td>CIN: A-701-0027</td>
</tr>
<tr>
<td>Component NEC:</td>
<td>CDP: 3434, 4900, 4899, 4898</td>
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<tr>
<td>Primary Advisor:</td>
<td>NR Ind: R</td>
</tr>
<tr>
<td>CNO N865, N879</td>
<td>Related NEC:</td>
</tr>
<tr>
<td></td>
<td>Open to Women: Yes</td>
</tr>
<tr>
<td>Technical Advisor:NAVSEA 05</td>
<td>ECM: BUPERS-322</td>
</tr>
</tbody>
</table>

**NOTES:**
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.

<table>
<thead>
<tr>
<th>Source Rating:</th>
<th>Billet Paygrades: E3-E9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course:</td>
<td>Personel Paygrades: E3-E9</td>
</tr>
<tr>
<td>Sequence Code: 3</td>
<td>CIN:</td>
</tr>
<tr>
<td>Component NEC:</td>
<td>CDP:</td>
</tr>
<tr>
<td>Primary Advisor: CNO N861</td>
<td>NR Ind: R</td>
</tr>
<tr>
<td>Related NEC:</td>
<td>Open to Women: No</td>
</tr>
<tr>
<td>Technical Advisor: NAVSEA 05</td>
<td>ECM: BUPERS-324</td>
</tr>
</tbody>
</table>

**NOTE:** This NEC will not be used to identify billets. For diver qualifications and NEC source ratings refer to MILPERSMAN 1220-100.

**5304 Joint Terminal Attack Controller (JTAC)**

Directs the action of combat aircraft engaged in Close Air Support (CAS) and other offensive air operations. A qualified and current JTAC will be recognized across DoD as capable and authorized to perform terminal attack control. CAS is an element of joint fire support. Synchronizing CAS in time, space, and purpose with supported maneuver forces increases the effectiveness of the joint force. CAS is air action by fixed and rotary-wing aircraft against hostile targets that are in close proximity to friendly forces and that require detailed integration of each air mission with fire and movement of those forces. CAS assist land, maritime, amphibious, and Special Operations Forces (SOF) to move, maneuver, and control territory, populations, and key waters. The support commander establishes the priority, timing, and effects of CAS fires within the boundaries of the land, maritime, SOF, or amphibious force’s area of operations. SOF may also need CAS and other joint fire, support at locations well beyond land, maritime, and amphibious operations force commanders’ areas of operations.

<table>
<thead>
<tr>
<th>Source Rating: SO, SB</th>
<th>Billet Paygrades: E4-E9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course: See Note</td>
<td>Personel Paygrades: E4-E9</td>
</tr>
<tr>
<td>Sequence Code: 4</td>
<td>CIN:</td>
</tr>
<tr>
<td>Component NEC: See Note, 5326, 5352</td>
<td>CDP:</td>
</tr>
<tr>
<td>Primary Advisor: CNO N861</td>
<td>NR Ind: R</td>
</tr>
<tr>
<td>Related NEC:</td>
<td>Open to Women: No</td>
</tr>
<tr>
<td>Technical Advisor: SPECWAR, NAVSEA 05</td>
<td>ECM: BUPERS-324</td>
</tr>
</tbody>
</table>

**NOTES:**
1. The following organizations/training processes are authorized to conduct JTAC certification training: Expeditionary Warfare Training Group Tactical Air Control Party Course, United States Air Force Air Ground Operations School Terminal Attack Controller Course, and Naval Strike and Air Warfare Center Joint Terminal Attack Controller Course.
2. Component NEC 5326 or 5352 is required for initial qualification only. Members will retain NEC 5326 upon completion of JTAC certification training curriculum.
5305 Joint Terminal Attack Controller Instructor (JTAC-I)
Qualified and current JTAC who has at least one-year of operational JTAC experience and who is assigned in an instructor capacity at an approved JTAC schoolhouse. During initial certification, when instructing student JTAC’s or other non-qualified individuals in terminal attack control, the instructor will physically locate with the individual and be able to take control, if necessary. Any non-qualified personnel performing Close Air Support (CAS) familiarization must be under supervision of and physically co-located with a qualified JTAC-I.

Source Rating: Billet Paygrades: E6-E9 Personnel Paygrades: E6-E9
Course: See Note CIN: CDP: NR Ind: R
Sequence Code: 3 Related NEC: Open to Women: No
Component NEC: 5304 Technical Advisor: SPECWAR, NAVSEA 05 ECM: BUPERS-324
Primary Advisor: CNO N861

NOTE: JTAC instructor-qualified personnel must instruct JTAC trainees. JTAC Instructors require one year of operational experience as a qualified JTAC (or one year as a operational forward air controller (airborne) and must meet JTAC qualification requirements to be designated a JTAC Instructor.

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: Billet Paygrades: E3-E9 Personnel Paygrades: E3-E9
Course: Mandatory CIN: A-431-0056 CDP: 444H NR Ind: A
Sequence Code: 4 Related NEC: Open to Women: Yes
Component NEC: Technical Advisor: NAVSEA 05 (PMS-EOD) ECM: BUPERS-325
Primary Advisor: CNO N865

NOTES:
1. Awarded only to Naval Reserve personnel
2. Source Ratings are in accordance with MILPERSMAN 1220-100

5320-5328 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: Mandatory CIN: K-431-0024 CDP: 169K B-300-1110 372B
Sequence Code: 4 Related NEC: Open to Women: No
Component NEC: Technical Advisor: NAVSEA 05 ECM: BUPERS-324
Primary Advisor: CNO N851
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: 
Course: Mandatory 
Sequence Code: 4 
Component NEC: 5320 
Primary Advisor: CNO N851 

Billet Paygrades: E3-E9 
CIN: K-431-0040 
Related NEC: 5326 
Technical Advisor: NAVSEA 05 
Personnel Paygrades: E3-E9 
CDP: 529R 
Open to Women: No 
ECM: BUPERS-324

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 Special Warfare Operator (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 (static line and freefall) and demolition of explosives as an essential portion of assigned duties and is qualified in the operational use of all types of SCUBA.

Source Rating: 
Course: Mandatory 
Sequence Code: 4 
Component NEC: 5320 
Primary Advisor: CNO N851 

Billet Paygrades: E3-E9 
CIN: K-431-0059 
Related NEC: 5323 
Technical Advisor: NAVSEA 05 
Personnel Paygrades: E3-E9 
CDP: 754F 
Open to Women: No 
ECM: BUPERS-324

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.

5328 Very Shallow Water Mine Countermeasures Operator (VSW MCM Operator)
Personnel holding VSW MCM Operator NEC perform VSW MCM advance force, pre-assault and post-assault operation in support of amphibious task force, mine countermeasures and other maritime component commanders.

Source Rating: AB, AO, BM, BU, CM, EM, EN, EO, ET, GM, HM, HT, IC, MM, MN, OS, PR, QM, IT, SK, STG 
Course: Mandatory 
Sequence Code: 4 
Component NEC: See Note 
Primary Advisor: CNO N865 

Billet Paygrades: E3-E9 
CIN: A-431-0059 
Related NEC: NAVSEA 05 (PMS-EOD) 
Personnel Paygrades: E3-E9 
CDP: 754F 
Open to Women: No 
ECM: BUPERS-324

NOTE: Component NEC is required for initial qualification only. Members will retain NEC 5326 or 5223 upon completion of VSW MCM Operator certification.

5330 (EOD) Apprentice Diver (Student Status)
Member is in an EOD training student status. Performs basic EOD related diving procedures, including bottom and hull searches, day or night, using SCUBA, surface supplied, and mixed or gas diving equipment. Tests, repairs, and adjusts scuba and associated underwater equipment. Understands diving physics and related principles and is capable of recognizing and assisting in the treatment of diving related injuries such as decompression sickness and other forms of barotrauma.

Source Rating: EOD 
Course: Mandatory 
Sequence Code: 4 
Component NEC: 
Primary Advisor: CNO N857 

Billet Paygrades: E2-E5 
CIN: A-431-0083 
Related NEC: NAVSEA 05 (PMS-EOD) 
Personnel Paygrades: E2-E6 
CDP: 233U 
Open to Women: Yes 
ECM: BUPERS-325

EOD 5332 Basic EOD Technician-Reserves - Deleted
EOD 5333 Basic EOD Technician
Performs EOD operations to include: location, identification, render safe and disposal of foreign and domestic ordnance including conventional, chemical, biological, nuclear, underwater, and improvised explosive devices enabling access during military operations in support of Carrier and Expeditionary Strike Groups, Mine Countermeasures, Naval Special Warfare, and Army Special Forces. Performs location and identification of Weapons of Mass Destruction (WMD) and Improvised WMD. Provides training and assistance for military, federal, state, and local civilian law enforcement agencies in ordnance related Anti-Terrorism/Force Protection procedures. Supports and conducts ordnance related intelligence collection and counter-terrorism operations. Operates, maintains, and repairs specialized EOD and combat equipment. Maintains required forms, records, correspondence and files. Duties include performing open and closed circuit SCUBA diving, explosive demolitions, parachuting, tactical delivery, and extraction by unconventional insertion methods and small arms proficiency.

Source Rating: EOD
Course: Mandatory
Sequence Code: 1
Component NEC: 5330
Primary Advisor: CNO N857
Billet Paygrades: E4-E5
Personnel Paygrades: E3-E7
CIN: A-431-0011
CDP: 341C
NR Ind: R
Technical Advisor: NAVSEA 05 (PMS-EOD)
Open to Women: Yes
ECM: BUPERS-325

EOD 5334 Senior EOD Technician-Reserves - Deleted

EOD 5335 Senior EOD Technician
In addition to 5333 skills, also performs, supervises and provides training in EOD operations.

Source Rating: EOD
Course: Mandatory
Sequence Code: 1
Component NEC: 5333
Primary Advisor: CNO N857
Billet Paygrades: E5-E6
Personnel Paygrades: E4-E8
CIN: A-431-0011
NR Ind: R
Related NEC: NAVSEA 05 (PMS-EOD)
Open to Women: Yes
ECM: BUPERS-325

NOTES: NEC may be awarded to personnel who have served a minimum of two years as a 5333 and have completed the Senior EOD Warfare Specialist PQS and Screening Board.

EOD 5336 Master EOD Technician-Reserves -Deleted

EOD 5337 Master EOD Technician
In addition to 5335 also plans EOD operations.

Source Rating: EOD
Course: Mandatory
Sequence Code: 1
Component NEC: 5335
Primary Advisor: CNO N857
Billet Paygrades: E7-E9
Personnel Paygrades: E6-E9
CIN: A-431-0011
NR Ind: R
Related NEC: NAVSEA 05 (PMS-EOD)
Open to Women: Yes
ECM: BUPERS-325

NOTE: NEC may be awarded to personnel who have served a minimum of three years as a 5335 and completed the Master EOD Technician Screening Board.

5339 Ordnance Clearance Diver
Performs diving, demolition, ordnance location and identification, EOD detachment operational support, and staff and logistics support to EOD commands.

Source Rating: Mandatory
Course: 4
Sequence Code: 1
Component NEC: 5309 and 5345
Primary Advisor: CNO N865
Billet Paygrades: E3-E9
Personnel Paygrades: E3-E9
CIN: A-431-0056
CDP: 444H
NR Ind: A
Related NEC: NAVSEA 05 (PMS-EOD)
Open to Women: Yes
ECM: BUPERS-325

NOTES:
1. NEC may be awarded to personnel holding NEC 532X or 533X upon approval by ECM.
2. Candidates may enter Ordnance Clearance 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
Most qualified person to direct and supervise diving, salvage, ship repair operations and diving programs. Directly responsible to the Commanding Officer for all facets of command diving operations and programs, to include training, equipment, systems, personnel, operations, Develops, updates and oversees diving programs, manages the development, operation, testing, repair and certification of all USN Diving Equipment, systems and support equipment, directs the treatment of all diving related injuries, including recompression chamber operations, casualty control operations and mishap reporting procedures, directs underwater inspections, harbor/port/ship security inspections, including ordnance searching, ship/submarine repair, salvage, expeditionary salvage and littoral combat, rescue, special warfare operations, underwater cutting and welding, demolition operations and small boat operations, Directs and supervises Swimmer Delivery Vehicle Dry-Deck Shelter systems, submarine Lock-in/Lock-out systems and submarine rescue chambers, develops training programs and qualifies personnel in diving equipment, systems and procedures, Trained in advanced diving physics, medicine, differential diagnosis and saturation diving techniques, Directs and supervises surface and underwater demolition operations for 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, Supervises the operation, maintenance, and certification of deep dive systems and equipment.

Source Rating: ND
Course: Mandatory
Sequence Code: 4
Component NEC: 5342
Primary Advisor: CNO N871B
Billet Paygrades: E8-E9
CIN: A-433-0019
Personnel Paygrades: E7-E9
CDP: 2040
NR Ind: R
Open to Women: Yes
Technical Advisor: NAVSEA 05
ECM: BUPERS-325

NOTES:
1. Minimum 6 years experience in NEC 5342.
2. Minimum 2 years from date of frocking to E7.

5342 Diver First Class
Qualified to dive and supervise using Air and Mixed Gas USN Diving Apparatus, Supervises the operation, tests, repairs and adjusts all USN Diving Equipment, systems and support equipment, supervises recompression chambers operation, diagnoses and treats diving related injuries, Supervises underwater inspections, harbor/port/ship security inspections, including ordnance searching, ship/submarine repair, salvage, expeditionary salvage and littoral combat, rescue, special warfare operations, underwater cutting and welding, demolition operations and small boat operations, Operates and Supervises Swimmer Delivery Vehicle Dry-Deck Shelter systems, submarine Lock-in/Lock-out systems and submarine rescue chambers, Trains USN, DOD military and other personnel in diving Procedures equipment and systems, Trained in advanced diving physics, medicine and saturation diving techniques, 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, Operates, maintains, and supports saturation/deep dive systems and equipment.

Source Rating: ND
Course: Mandatory
Sequence Code: 4
Component NEC: 5343
Primary Advisor: CNO N871B
Billet Paygrades: E6-E8
CIN: A-433-0025
Personnel Paygrades: E5-E8
CDP: 2082
NR Ind: R
Open to Women: Yes
Technical Advisor: NAVSEA 05
ECM: BUPERS-325

NOTE: Minimum 6 years experience in NEC 5343.

5343 Diver Second Class
Qualified to dive using all Air and Mixed Gas USN Diving Apparatus, Operates, tests, repairs and adjusts all USN Diving Equipment, systems and support equipment, Operates recompression chambers, performs underwater inspections, harbor/port/ship security inspections, including ordnance searching, ship/submarine repair, salvage, expeditionary salvage and littoral combat, rescue, special warfare operations, underwater cutting and welding, demolition operations and small boat operations, Operates Swimmer Delivery Vehicle Dry-Deck Shelter systems and submarine Lock-in/Lock-out systems, Trained in Diving Physics and is able to recognize symptoms of decompression sickness and diving accidents, and is able to assist in their treatment.

Source Rating: ND
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N871B
Billet Paygrades: E4-E5
CIN: A-433-0022
Personnel Paygrades: E3-E6
CDP: 6418
NR Ind: R
Open to Women: Yes
Technical Advisor: NAVSEA 05
ECM: BUPERS-325

NOTE: Open to all ratings E5 and below for Lateral Conversion, ND rate and NEC will be awarded upon successful completion of CIN: A-433-0022.
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.

<table>
<thead>
<tr>
<th>Source Rating:</th>
<th>Billet Paygrades: E3-E9</th>
<th>Personnel Paygrades: E3-E9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course: See Note</td>
<td>CIN:</td>
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</tr>
<tr>
<td>Sequence Code: 4</td>
<td>Related NEC:</td>
<td>Open to Women: No</td>
</tr>
</tbody>
</table>

NOTE: Source Ratings are in accordance with MILPERSMAN 1220-100.

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.

<table>
<thead>
<tr>
<th>Source Rating: See Note</th>
<th>Billet Paygrades: E3-E9</th>
<th>Personnel Paygrades: E3-E9</th>
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</thead>
<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: A-433-0023</td>
<td>CDP: 2114, 6419</td>
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<td>A-433-0052</td>
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<td>Sequence Code: 4</td>
<td>Related NEC:</td>
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<td>Component NEC: CNO N871B</td>
<td>Technical Advisor: NAVSEA 05</td>
<td>ECM: BUPERS-325</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Source Rating: See Note</th>
<th>Billet Paygrades: E3-E9</th>
<th>Personnel Paygrades: E3-E9</th>
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<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: A-431-0049</td>
<td>CDP: 066F</td>
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<tr>
<td>Sequence Code: 4</td>
<td>Related NEC:</td>
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<tr>
<td>Component NEC: See Note</td>
<td>Technical Advisor: NAVSEA 05 (PMS-EOD)</td>
<td>ECM: BUPERS-325</td>
</tr>
<tr>
<td>Primary Advisor: CNO N865</td>
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</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Source Rating: See Notes</th>
<th>Billet Paygrades: E4-E5</th>
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<td>Course: Mandatory</td>
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<td>CDP: 151J</td>
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<td>Component NEC: CNO N851</td>
<td>Technical Advisor: SPECWAR</td>
<td>ECM: BUPERS-324</td>
</tr>
<tr>
<td>Primary Advisor:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.
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: See Notes
Course: Initial Tour
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: CNO N851
Technical Advisor: SPECWAR

Billet Paygrades: E4-E9
CIN: K-060-0032
Personnel Paygrades: E4-E9
CDP: 966W
NR Ind: A
Open to Women: No
ECM: BUPERS-324

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 NAVPERS 1221/6 with Commanding Officer’s endorsement to PERS-4013D2 via ECM (N13).
4. NEC is awardable to SELRES enlisted personnel provided they attain the 5352 NEC while on active duty and retain qualifications.
5. Source Ratings are in accordance with MILPERSMAN 1220-100.

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: See Note
Course: Mandatory
Sequence Code: 4
Component NEC: 5342 or 5931
Primary Advisor: CNO N865
Technical Advisor: NAVSEA 05

Billet Paygrades: E5-E9
CIN: A-433-0048
Personnel Paygrades: E5-E9
CDP: 262Y
NR Ind: R
Open to Women: Yes
ECM: BUPERS-325

NOTE: Source Ratings are in accordance with MILPERSMAN 1220-100.

SO-5392 Naval Special Warfare Medic
Provides pre-hospital medical care in support of Naval Special Warfare training and operations. Performs basic and advanced first aid and life support, tactical combat casualty care, tactical medical emergencies and other paramedicine emergency care. Conducts pre-deployment and pre-mission medical planning and coordination. Advises on medical tactics, techniques and procedures for special operations. Instructs personnel in basic and advanced first aid, tactical combat casualty care, basic and advanced pre-hospital life support. Provides emergency care to diving casualties. Enters hyperbaric chambers to serve as inside tender to care for patients undergoing hyperbaric treatment.

Source Rating: SO, SB
Course: Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N851

Billet Paygrades: E3-E9
CIN: K-431-0021, B-300-0042
Personnel Paygrades: E3-E9
CDP: 3596, 434W
NR Ind: R
Open to Women: No
ECM: BUPERS-324

NOTES:
1. NEC 5392 is a SNEC assigned to SEAL and SWCC personnel who are assigned to Naval Special Warfare SEAL and Special Boat Teams. Personnel must be qualified SO or SB to be awarded this NEC.
3. SEAL personnel who previously held PNEC 8491 or 8492, or any SEAL or SWCC personnel who attended Special Operations Combat Medic course B-300-0042 may be awarded NEC 5392.
4. NEC may be assigned to inactive duty SEAL and SWCC Navy Reservists who have completed the mandatory training B-300-0042, Special Operations Combat Medic course and maintains the USSOCOM Advanced Tactical Practitioner certification.
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: Mandatory
CIN: A-710-0022
CDP: 365V, 366X
Sequence Code: 3
NR Ind: A
Component NEC: Related NEC:
Primary Advisor: CNO N44
Technical Advisor: NAVFACENG
ECM: BUPERS-325

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, Enlisted Placement Management Center in lieu of completion of applicable courses.

EA-5503 Advanced Engineering Aid
Employ 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: Mandatory
CIN: A-412-0015
CDP: 350N, 350X
Sequence Code: 3
NR Ind: A
Component NEC: Related NEC:
Primary Advisor: CNO N44
Technical Advisor: NAVFACENG
ECM: BUPERS-325

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: See Notes
CIN:
CDP:
Sequence Code: 4
NR Ind: R
Component NEC: Related NEC:
Primary Advisor: CNO N44
Technical Advisor: NAVFACENG
ECM: BUPERS-325

NOTES:
1. 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
2. Each major claimant must define and provide funding at the command level of the applicable follow-on civilian factory training.
3. Navy UPS systems are manufactured by Emerson or Exide Corp. NAVFACENGCOM and NAVFACENGSERCTR will provide technical assistance as requested to obtain factory training.
4. 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: Mandatory
Sequence Code: 4
Component NEC: CNO N44
Primary Advisor: CNO N44
CIN: A-661-0036
NR Ind: R
Related NEC: Open to Women: Yes
Technical Advisor: NAVFACENG
ECM: BUPERS-325

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: Mandatory
CIN: A-721-0019
Sequence Code: 3
Component NEC: CNO N44
Primary Advisor: CNO N44
NR Ind: A
Related NEC: Open to Women: Yes
Technical Advisor: NAVFACENG
CDP: 466Y, 4023
ECM: BUPERS-325

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: Mandatory
CIN: A-622-0012 (P/L)
Sequence Code: 4
Component NEC: CNO N44
Primary Advisor: CNO N44
NR Ind: R
Related NEC: Open to Women: Yes
Technical Advisor: NAVFACENG
CDP: 626H
ECM: BUPERS-325

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 manufacturers' drawings to splice and terminate single and multiple conductor cables used in high voltage distribution systems. Reads and interprets manufacturers' 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: Mandatory
CIN: A-721-0023
Sequence Code: 6
Component NEC: CNO N44
Primary Advisor: CNO N44
NR Ind: R
Related NEC: Open to Women: Yes
Technical Advisor: NAVFACENG
CDP: 4069
ECM: BUPERS-325
**EQUIPMENT OPERATOR**

**EO-5707 - 5710**

NOTE: 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.

**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: Mandatory       CIN: A-730-0014       CDP: 747R  
Sequence Code: 4       NR Ind: A  
Component NEC: EO-5707       Related NEC: Open to Women: Yes  
Primary Advisor: CNO N44       Technical Advisor: NAVFACENG       ECM: BUPERS-325  

NOTE: NEC 5707 will be awarded for a specific period of three years. Rectification 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.

Course: Mandatory       CIN: A-730-0019 A-730-0021       CDP: 747T  
Sequence Code: 4       NR Ind: A  
Component NEC: See Note 1e       Related NEC: Open to Women: Yes  
Primary Advisor: CNO N44       Technical Advisor: NAVFACENG       ECM: BUPERS-325  

**NOTES:**

1. 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:
   b. Naval Construction Forces (NCF) COMLANT/COMPACINST 8023.5 series.
   c. Selected Reserve personnel may re-certify biannually as authorized by CNO Instr 8020 Ser 411F/4U395314 of 7 Aug 84 (NOTAL).
   d. All non-certified blasters will not be eligible for Special Duty assignment Pay (SDAP).
   e. Except EO, other rates listed in the source rating must hold NEC BU-5931 or BU-5932 to be awarded the NEC.
   f. 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: Mandatory  
CIN: A-730-0011  
CDP: 466X, 4024  
Sequence Code: 3  
NR Ind: A  
Component NEC:  
Related NEC:  
Open to Women: Yes  
Primary Advisor: CNO N44  
Technical Advisor: NAVFACENG  
ECM: BUPERS-325

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: Mandatory  
CIN: K-062-0102  
CDP: 315V  
Sequence Code: 4  
NR Ind: R  
Component NEC:  
Related NEC:  
Open to Women: Yes  
Primary Advisor: CIVIL ENG, CNO N44  
Technical Advisor: NAVFACENG  
ECM: BUPERS-325

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: Mandatory  
CIN: A-610-0011  
CDP: 460A, 4025  
Sequence Code: 3  
NR Ind: A  
Component NEC:  
Related NEC:  
Open to Women: Yes  
Primary Advisor: CNO N44  
Technical Advisor: NAVFACENG  
ECM: BUPERS-325

NOTE: Reserve personnel may earn this NEC upon completion of the Personnel Readiness Capabilities Program (PRCP) equivalency skills listed in NAVFAC PUB P-458.
NOTE: 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.

**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 milling tools.

- **Source Rating:** BU
- **Billet Paygrades:** E5-E6
- **Personnel Paygrades:** E5-E6
- **Course:** Mandatory
- **Sequence Code:** 3
- **CIN:** A-710-0011
- **CDP:** 541X, 4026
- **NR Ind:** R
- **Related NEC:**
- **Technical Advisor:** NAVFACENG
- **ECM:** BUPERS-325
- **Open to Women:** Yes

**BU-5908 Tool and Equipment Technician**

- **Source Rating:** BU
- **Billet Paygrades:** E5-E6
- **Personnel Paygrades:** E5-E6
- **Course:** Mandatory
- **Sequence Code:** 5
- **CIN:** A-712-0010
- **CDP:** 346E, 351P
- **NR Ind:** R
- **Related NEC:**
- **Technical Advisor:** NAVFACENG
- **ECM:** BUPERS-325
- **Open to Women:** Yes

**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:** Mandatory
- **Sequence Code:** 3
- **CIN:** A-412-0012
- **CDP:** 3140, 350Z
- **NR Ind:** A
- **Related NEC:**
- **Technical Advisor:** NAVFACENG
- **ECM:** BUPERS-325
- **Open to Women:** Yes

**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:** Mandatory
- **Sequence Code:** 2
- **CIN:** A-433-0037
- **CDP:** 4502
- **NR Ind:** R
- **Related NEC:**
- **Technical Advisor:** NAVFACENG
- **ECM:** BUPERS-325
- **Open to Women:** Yes

**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 apparatus, 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 principles 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, marline spike seamanship and small boat handling. 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: BU, SW, CE, UT, EO, CM, EA
Billet Paygrades: E3-E6
Personnel Paygrades: E3-E6
Course: Mandatory
Sequence Code: 2
Component NEC: BU-5932
Primary Advisor: CNO N44
CIN: A-433-0036
Related NEC:
Technical Advisor: NAVFACENG
CDP: 4500
NR Ind: A
Open to Women: Yes
ECM: BUPERS-325

BU-5933 Master Underwater Construction Diver
Qualified to supervise air or mixed gas dives using SCUBA and surface supplied diving equipment. Responsible to the Diving Officer for the safe conduct of diving operations. Proficient in the 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, mixing and analyzing gases including computation of diver gas requirements and consumption, and ice diving operations. Possesses an in depth knowledge of underwater and terrestrial construction, inspection, and demolition procedures and methods and can perform these tasks in a permissive or non-permissive/contingency environment. Manages preventive and corrective maintenance on diving equipment, support equipment, and underwater construction equipment. Manages and administers certification and quality assurance programs on Navy approved diving systems and equipment. Conducts training and re-qualification 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: BU, CE, CM, EA, EO
Billet Paygrades: E7-E9
Personnel Paygrades: E7-E9
Course: Mandatory
Sequence Code: 4
Component NEC: 5933
Primary Advisor: CNO N44
CIN: A-433-0019
Related NEC: 5931
Technical Advisor: NAVFACENG
CDP: 2040
NR Ind: N
Open to Women: Yes
ECM: BUPERS-325

STEELWORKER

SW-6010 – 6021
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.

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 sheet metal 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 sheet metal parts and joins the parts by riveting, soldering, spot welding, or seamng.

Source Rating: SW
Billet Paygrades: E5-E6
Personnel Paygrades: E5-E6
Course: Mandatory
Sequence Code: 3
Component NEC: SW-6010
Primary Advisor: CNO N44
CIN: A-711-0018
Related NEC:
Technical Advisor: NAVFACENG
CDP: 351L, 346D
NR Ind: A
Open to Women: Yes
ECM: BUPERS-325

NOTE: 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: Mandatory
Sequence Code: 7
Component NEC: Related NEC:
Primary Advisor: CNO N44
Technical Advisor: NAVFACENG

UTILITIESMAN

UT-6104 – 6105
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-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
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N44
Technical Advisor: NAVFACENG

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
Course: Mandatory
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: CNO N44
Technical Advisor: NAVFACENG

NOTE: Reserve personnel may earn this NEC upon completion of the Personnel Readiness Capabilities Program (PRCP) equivalency skills listed in NAVFAC PUB P-458.

AVIATION MAINTENANCE ADMINISTRATIONMAN

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
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N889
Technical Advisor: NAVAIR
AZ-6303 Optimized NALCOMIS System 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 operation 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
Course: Mandatory
Sequence Code: 3
Component NEC: CNO N889
Primary Advisor: CNO N889

Billet Paygrades: E4-E8
Personnel Paygrades: E4-E8
CIN: C-555-2016 (P/L)
CDP: 436W
NR Ind: R
Open to Women: Yes
Technical Advisor: NAVAIR
ECM: BUPERS-321D

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, 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
Course: Mandatory
Sequence Code: 3
Component NEC: CNO N889
Primary Advisor: CNO N889

Billet Paygrades: E4-E8
Personnel Paygrades: E4-E8
CIN: C-555-2015 (P/L)
CDP: 436T
NR Ind: R
Open to Women: Yes
Technical Advisor: NAVAIR
ECM: BUPERS-321D

AZ-6314 Naval Aviation Logistics Command Management Information System (NALCOMIS) Data Base Administrator/Analyst (DBA/A) - Deleted

AZ-6315 Naval Aviation Logistics Command Management Information System (NALCOMIS) System Administrator/Analyst (SA/A) - Deleted

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
Course: Mandatory
Sequence Code: 3
Component NEC: CNO N889
Primary Advisor: CNO N889

Billet Paygrades: E5-E7
Personnel Paygrades: E5-E7
CIN: A-491-0017
CDP: 624R
NR Ind: R
Open to Women: Yes
Technical Advisor: NAVAIR
ECM: BUPERS-321D

AD-6410 F-110 Turbofan Jet Engine First Degree Repair/IMA Technician
Performs intermediate maintenance on the F110-GE-400 engines.

Source Rating: AD
Course: Mandatory
Sequence Code: 5
Component NEC: CNO N889
Primary Advisor: CNO N889

Billet Paygrades: E3-E7
Personnel Paygrades: E3-E7
CIN:
CDP:
NR Ind: R
Open to Women: Yes
Technical Advisor: NAVAIR
ECM: BUPERS-321D
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
Course:  Mandatory
Sequence Code:  5
Component NEC:  CNO N889
Primary Advisor:  CNO N889
Billet Paygrades:  E3-E7
CIN:  C-601-3139
Related NEC:  6422
Personnel Paygrades:  E3-E7
Technical Advisor:  NAVAIR
CDP:  595K
NR Ind:  R
Open to Women:  Yes
ECM:  BUPERS-321D

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
Course:  Mandatory
Sequence Code:  5
Component NEC:  CNO N889
Primary Advisor:  CNO N889
Billet Paygrades:  E3-E7
CIN:  C-601-3139
Related NEC:  6422
Personnel Paygrades:  E3-E7
Technical Advisor:  NAVAIR
CDP:  455Y
NR Ind:  R
Open to Women:  Yes
ECM:  BUPERS-321D

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
Course:  Mandatory
Sequence Code:  5
Component NEC:  CNO N889
Primary Advisor:  CNO N889
Billet Paygrades:  E3-E7
CIN:  C-601-3139
Related NEC:  6423
Personnel Paygrades:  E3-E7
Technical Advisor:  NAVAIR
CDP:  4637
NR Ind:  A
Open to Women:  Yes
ECM:  BUPERS-321D

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
Course:  Mandatory
Sequence Code:  5
Component NEC:  CNO N889
Primary Advisor:  CNO N889
Billet Paygrades:  E3-E7
CIN:  C-601-3001 (P/L)
Related NEC:  6423
Personnel Paygrades:  E3-E7
Technical Advisor:  NAVAIR
CDP:  949G, 554F, 182D
NR Ind:  R
Open to Women:  Yes
ECM:  BUPERS-321D

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
Course:  Mandatory
Sequence Code:  5
Component NEC:  CNO N889
Primary Advisor:  CNO N889
Billet Paygrades:  E3-E7
CIN:  C-601-3867
Related NEC:  6423
Personnel Paygrades:  E3-E7
Technical Advisor:  NAVAIR
CDP:  117D, 495K
NR Ind:  R
Open to Women:  Yes
ECM:  BUPERS-321D

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
Course:  Mandatory
Sequence Code:  5
Component NEC:  CNO N889
Primary Advisor:  CNO N889
Billet Paygrades:  E3-E7
CIN:  C-601-3010 (P/L)
Related NEC:  6423
Personnel Paygrades:  E3-E7
Technical Advisor:  NAVAIR
CDP:  569T
NR Ind:  R
Open to Women:  Yes
ECM:  BUPERS-321D
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, AE  Billet Paygrades: E3-E7  Personnel Paygrades: E3-E7
Course: See Note  CIN:  CDP:  
Sequence Code: 5  NR Ind:  R
Component NEC: Related NEC:  Open to Women: Yes
Primary Advisor: CNO N889  Technical Advisor: NAVAIR  ECM: BUPERS-321D

NOTE: NEC is awarded in accordance with COMNAVAIRFORINST 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 deprevares engines and gearbox assemblies.

Source Rating: AD  Billet Paygrades: E3-E6  Personnel Paygrades: E3-E6
Course: Mandatory  CIN: C-601-3011 (P/L)  CDP: 988N
Sequence Code: 5  NR Ind:  R
Component NEC: Related NEC:  Open to Women: Yes
Primary Advisor: CNO N889  Technical Advisor: NAVAIR  ECM: BUPERS-321D

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: Mandatory  CIN: C-601-3451  CDP: 436Y
Sequence Code: 5  NR Ind:  A
Component NEC: Related NEC:  Open to Women: Yes
Primary Advisor: CNO N889  Technical Advisor: NAVAIR  ECM: BUPERS-321D

AD-6425 F414-GE-400 Turbofan Jet Engine Third Degree/IMA Mechanic
Performs 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.

Source Rating: AD  Billet Paygrades: E3-E6  Personnel Paygrades: E3-E6
Course: Mandatory  CIN: C-601-4866  CDP: 436U,436V
Sequence Code: 4  NR Ind:  A
Component NEC: Related NEC:  Open to Women: Yes
Primary Advisor: CNO N889  Technical Advisor: NAVAIR  ECM: BUPERS-321D

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: Mandatory  CIN: C-601-4408  CDP: 548G,985E
Sequence Code: 5  NR Ind:  R
Component NEC: Related NEC:  Open to Women: Yes
Primary Advisor: CNO N889  Technical Advisor: NAVAIR  ECM: BUPERS-321D

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-E6  Personnel Paygrades: E3-E6
Course: Mandatory  CIN: M-601-3090 (P/L)  CDP: 217X
Sequence Code: 5  NR Ind:  N
Component NEC: Related NEC:  Open to Women: Yes
Primary Advisor: CNO N889  Technical Advisor: NAVAIR  ECM: BUPERS-321D
AVIATION ELECTRONICS TECHNICIAN

AT-6526 Aviation ASW (MAD) IMA Technician
Performs intermediate level maintenance on assigned aviation ASW systems.

Source Rating: AT  
Course: Mandatory  
Sequence Code: 5  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Billet Paygrades: E4-E6  
CIN: C-130-9057 (P/L)  
Technical Advisor: NAVAIR  
Personnel Paygrades: E3-E6  
CDP: 552T  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-321E

AT-6527 Aviation ASW (Airborne Sonar) IMA Technician
Performs intermediate level maintenance on the AN/AQS-13F Sonar and the AN/ARR-75 Radio Receiver Set.

Source Rating: AT  
Course: Mandatory  
Sequence Code: 5  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E7  
CIN: C-130-3406  
Technical Advisor: NAVAIR  
Personnel Paygrades: E3-E7  
CDP: 548N  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-321E

AT-6529 ASW Sonobuoy Receivers and Recorder Group IMA Technician
Performs intermediate level maintenance on assigned aviation ASW systems.

Source Rating: AT  
Course: Mandatory  
Sequence Code: 5  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Billet Paygrades: E4-E7  
CIN: C-130-9072 (P/L)  
C-102-3596  
Technical Advisor: NAVAIR  
Personnel Paygrades: E3-E7  
CDP: 552U, 948U  
420W, 486U  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-321E

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  
Course: OJT  
Sequence Code: 5  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Billet Paygrades: E4-E7  
CIN:  
Technical Advisor: NAVAIR  
Personnel Paygrades: E3-E7  
CDP:  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-321E

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  
Course: OJT  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E8  
CIN:  
Technical Advisor: NAVAIR  
Personnel Paygrades: E3-E8  
CDP:  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-321E

AT-6605 Aircraft Radar Altimeter Equipment IMA Technician
Performs intermediate level maintenance on Aircraft Radar Altimeter Equipment.

Source Rating: AT  
Course: Mandatory  
Sequence Code: 5  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E6  
CIN: C-102-4051  
Technical Advisor: NAVAIR  
Personnel Paygrades: E3-E6  
CDP: 296B, 296C  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-321E
AT-6606 Aircraft Doppler Radar Navigation IMA Technician
Repairs Aircraft Doppler Radar Navigation equipment at the intermediate maintenance level.

Source Rating: AT
Course: Mandatory
Sequence Code: 5
Component NEC: CNO N889
Primary Advisor: CNO N889
Repairs Aircraft Doppler Radar Navigation equipment at the intermediate maintenance level.

Billet Paygrades: E3-E6
CIN: C-102-3398
Related NEC:
Technical Advisor: NAVAIR
Personnel Paygrades: E3-E6
CDP: 742E
Open to Women: Yes
ECM: BUPERS-321E

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
Course: Mandatory
Sequence Code: 5
Component NEC: CNO N889
Primary Advisor: CNO N889
Performs intermediate level maintenance on various data links (ASU-14, ASU-25, etc.) associated with carrier aircraft.

Billet Paygrades: E3-E6
CIN: C-102-4054
Related NEC:
Technical Advisor: NAVAIR
Personnel Paygrades: E3-E6
CDP: 495T, 1161
Open to Women: Yes
ECM: BUPERS-321E

AT-6609 Aircraft Electronic Identification (IFF) IMA Technician
Repairs various interrogators and transponders at the intermediate maintenance level.

Source Rating: AT
Course: Mandatory
Sequence Code: 5
Component NEC: CNO N889
Primary Advisor: CNO N889
Repairs various interrogators and transponders at the intermediate maintenance level.

Billet Paygrades: E3-E6
CIN: C-102-4052
Related NEC:
Technical Advisor: NAVAIR
Personnel Paygrades: E3-E6
CDP: 291X, 420G, 487C
Open to Women: Yes
ECM: BUPERS-321E

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: Mandatory
Sequence Code: 5
Component NEC: CNO N889
Primary Advisor: CNO N889
Performs intermediate level maintenance on aircraft Ultra High Frequency (UHF) communications, Automatic Direction Finder (ADF), and Intercommunications System (ICS) equipment.

Billet Paygrades: E3-E6
CIN: C-102-6152 (P/L)
Related NEC:
Technical Advisor: NAVAIR
Personnel Paygrades: E3-E6
CDP: 557J, 3693
Open to Women: Yes
ECM: BUPERS-321E

AT-6612 Aircraft TACAN/Radio Navigation Equipment IMA Technician
Performs intermediate level maintenance on aircraft TACAN and Radio Navigation Equipment.

Source Rating: AT
Course: Mandatory
Sequence Code: 5
Component NEC: CNO N889
Primary Advisor: CNO N889
Performs intermediate level maintenance on aircraft TACAN and Radio Navigation Equipment.

Billet Paygrades: E3-E6
CIN: C-102-6113 (P/L)
Related NEC:
Technical Advisor: NAVAIR
Personnel Paygrades: E3-E6
CDP: 558L, 563T
Open to Women: Yes
ECM: BUPERS-321E

AT-6613 Aircraft HF Communications Equipment IMA Technician
Performs intermediate level maintenance on aircraft High Frequency (HF) communications equipment.

Source Rating: AT
Course: Mandatory
Sequence Code: 5
Component NEC: CNO N889
Primary Advisor: CNO N889
Performs intermediate level maintenance on aircraft High Frequency (HF) communications equipment.

Billet Paygrades: E3-E6
CIN: M-102-6412 (P/L)
Related NEC:
Technical Advisor: NAVAIR
Personnel Paygrades: E3-E6
CDP: 217G
Open to Women: Yes
ECM: BUPERS-321E
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: Mandatory
Sequence Code: 5
Component NEC: Related NEC
Primary Advisor: CNO N889

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: Mandatory
Sequence Code: 5
Component NEC: Related NEC
Primary Advisor: CNO N889

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: Mandatory
Sequence Code: 5
Component NEC: Related NEC
Primary Advisor: CNO N889

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: Mandatory
Sequence Code: 5
Component NEC: Related NEC
Primary Advisor: CNO N889

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: Mandatory
Sequence Code: 5
Component NEC: Related NEC
Primary Advisor: CNO N889

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 (WSTS) RADCOM in repair support of airborne WRAs 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, EA-6B, F-14, P-3, and S-3B Weapon Systems.

Source Rating: AT
Course: Mandatory
Sequence Code: 5
Component NEC: Related NEC
Primary Advisor: CNO N889
AT-6634 Aircraft Communications Security Devices Equipment IMA Technician
Performs intermediate level maintenance on aircraft communications security devices equipment.

Source Rating: AT  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E6  
CIN: C-102-6122 (P/L)  
Personnel Paygrades: E3-E6  
CDP: 0321, 632W  
NR Ind: A  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

AT-6635 EP-3E ESM IMA Technician
Performs intermediate level maintenance on RF hardware, preamps, and video distribution circuits peculiar to EP-3E ESM Systems.

Source Rating: AT  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E8  
CIN: C-102-3051  
Personnel Paygrades: E3-E8  
CDP: 183G  
NR Ind: A  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

AT-6640 EP-3E ESM OMA Technician
Performs organizational level maintenance on ESM systems in support of EP-3E aircraft.

Source Rating: AT  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E7  
CIN: C-102-1139 (P/L)  
Personnel Paygrades: E3-E7  
CDP: 2816  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

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: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E7  
CIN: C-102-6017 (P/L)  
Personnel Paygrades: E3-E7  
CDP: 565V  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

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: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E4-E7  
CIN: C-102-6119 (P/L)  
Personnel Paygrades: E3-E7  
CDP: 565X  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E4-E6  
CIN: C-102-4043  
Personnel Paygrades: E4-E6  
CDP: 1160, 495Y  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E
AT-6664 APS-115 Search Radar IMA Technician
Performs intermediate level maintenance on APS-115 Search Radar system ARAs.

Source Rating: AT  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E7  
CIN: C-102-6097 (P/L)  
CDP: 554E, 948L  
Technical Advisor: NAVAIR  
Open to Women: Yes  
NR Ind: R  
ECM: BUPERS-321E

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
CIN: C-198-2012 (P/L)  
CDP: 0384  
Technical Advisor: NAVAIR  
Open to Women: Yes  
NR Ind: R  
ECM: BUPERS-321E

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  
Course:  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN:  
CDP:  
Technical Advisor: NAVAIR  
Open to Women: Yes  
NR Ind: R  
ECM: BUPERS-321E

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  
Course:  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E4-E6  
Personnel Paygrades: E3-E6  
CIN: C-102-6114 (P/L)  
CDP: 565W  
Technical Advisor: NAVAIR  
Open to Women: Yes  
NR Ind: R  
ECM: BUPERS-321E

AT-6686 USM-429 CAT IIID Maintenance Technician
Performs intermediate level maintenance on the USM-429 CAT IIID system.

Source Rating: AT  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: C-198-3061  
CDP: 493L, 499G  
Technical Advisor: NAVAIR  
Open to Women: Yes  
NR Ind: R  
ECM: BUPERS-321E

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
CIN: C-198-3063  
CDP: 1168, 494D  
Technical Advisor: NAVAIR  
Open to Women: Yes  
NR Ind: R  
ECM: BUPERS-321E
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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: 6688  
Primary Advisor: CNO N889  
Billet Paygrades: E5-E6  
Personnel Paygrades: E4-E6  
CIN: C-198-3876  
CDP: 494Y  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: 6694  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E5  
Personnel Paygrades: E3-E5  
CIN: C-198-3874  
CDP: 462F  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

AT-6695 USM-470(V)2 ATS Advanced IMA Technician
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: Mandatory  
Sequence Code: 5  
Component NEC: 6694  
Primary Advisor: CNO N889  
Billet Paygrades: E5-E6  
Personnel Paygrades: E4-E6  
CIN:  
CDP:  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

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, AE  
Course: Mandatory  
Sequence Code: 3  
Component NEC:  
Primary Advisor: CNO N889  
Billet Paygrades: E5-E8  
Personnel Paygrades: E4-E8  
CIN: C-100-2012  
CDP: 706H  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

AT-6702 E-6B 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:  
Sequence Code: 5  
Component NEC:  
Primary Advisor: CNO N889  
Billet Paygrades: E5-E6  
Personnel Paygrades: E5-E6  
CIN:  
CDP:  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E
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: Mandatory
Sequence Code: 5
Component NEC: Primary Advisor: CNO N889

Billet Paygrades: E3-E6
CIN: C-198-6102 (P/L)
C-198-6103

Personnel Paygrades: E3-E6
CDP: 556W, 960U
493S, 7288

NR Ind: R
Open to Women: Yes
ECM: BUPERS-321E

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: Mandatory
Sequence Code: 3
Component NEC: Primary Advisor: CNO N889
Related NEC:

Billet Paygrades: E4-E6
CIN: C-198-3043 (P/L)

Personnel Paygrades: E4-E6
CDP: 493R, 6503, 7286

NR Ind: R
Open to Women: Yes
ECM: BUPERS-321E

AT-6710 P-3 Navigation System Equipment Technician
Performs intermediate level maintenance on P-3 navigation system equipment.

Source Rating: AT
Course: Mandatory
Sequence Code: 5
Component NEC: Primary Advisor: CNO N889

Billet Paygrades: E3-E6
CIN: C-102-6172 (P/L)

Personnel Paygrades: E3-E6
CDP: 553T, 948P

NR Ind: R
Open to Women: Yes
ECM: BUPERS-321E

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: Mandatory
Sequence Code: 5
Component NEC: Primary Advisor: CNO N889

Billet Paygrades: E3-E6
CIN: C-198-4873

Personnel Paygrades: E3-E6
CDP: 549W

NR Ind: R
Open to Women: Yes
ECM: BUPERS-321E

AT-6715 FLIR Systems IMA Technician
Performs intermediate level maintenance on the FLIR weapons system of the S-3 Aircraft.

Source Rating: AT
Course: Mandatory
Sequence Code: 5
Component NEC: Primary Advisor: CNO N889

Billet Paygrades: E3-E6
CIN: C-102-3687

Personnel Paygrades: E3-E6
CDP: 549P

NR Ind: R
Open to Women: Yes
ECM: BUPERS-321E

AT-6716 AN/USM-449A (V) Test Set Operator Intermediate Maintenance
Operates the AN/USM-449(V) test equipment.

Source Rating: AT
Course: Mandatory
Sequence Code: 4
Component NEC: Primary Advisor: CNO N889

Billet Paygrades: E3-E5
CIN: C-198-3021

Personnel Paygrades: E3-E5
CDP: 420K

NR Ind: A
Open to Women: Yes
ECM: BUPERS-321E
AT-6717 P-3 Peculiar Communications Equipment IMA Technician
Performs intermediate maintenance on the P-3 Peculiar Communications Equipment.

Source Rating: AT  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
CIN: C-102-6171 (P/L)  
Technical Advisor: NAVAIR  
Related NEC:  

Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
CDP: 553S, 948N  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-321E

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: Mandatory  
Sequence Code: 5  
Component NEC: 6673  
Primary Advisor: CNO N889  
CIN: C-198-2011  
Technical Advisor: NAVAIR  
Related NEC:  

Billet Paygrades: E5-E6  
Personnel Paygrades: E4-E6  
CDP: 592G  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-321E

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 8319  
Primary Advisor: CNO N889  
CIN: C-102-3600, C-102-3578  
Technical Advisor: NAVAIR  
Related NEC:  

Billet Paygrades: E5-E6  
Personnel Paygrades: E5-E6  
CDP: 698Z, 02MP, 00AR, 02V6  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-321E

AT-6721 AN/USM-449A (V) Automatic Test System Maintenance 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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: 6716  
Primary Advisor: CNO N889  
CIN: C-198-3022  
Technical Advisor: NAVAIR  
Related NEC:  

Billet Paygrades: E5-E6  
Personnel Paygrades: E4-E6  
CDP: 420L  
NR Ind: N  
Open to Women: Yes  
ECM: BUPERS-321E

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 (UUTs) 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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
CIN: C-198-6104 (P/L), C-198-3071  
Technical Advisor: NAVAIR  
Related NEC:  

Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
CDP: 6069, 632V, 463V, 463W  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-321E

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 (UUTs), 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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
CIN: C-198-6105 (P/L)  
CDP: 6071, 632U  
Related NEC:  
Technical Advisor: NAVAIR  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-321E

NOTE: Must have Secret Clearance

AT-6725 Consolidated Automated Support System (CASS) Test Station (EW) IMA Technician
The Technician will operate and maintain, including scheduled and unscheduled maintenance, the CASS Test Station, as well as perform fault isolation and maintenance on aircraft Electronic Warfare Units Under Test (UUTs) utilizing the RF and High Power configurations of the CASS Test Station. This will include in-depth circuit analysis, adjustment/repair, and serviceability verification of the AN/ALQ-99 and its associated SRA's.

Source Rating: AT  
Course: Mandatory  
Sequence Code: 4  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
CIN: C-198-3074  
CDP: 659L  
Related NEC: 6704, 6723  
Open to Women: Yes  
Technical Advisor: NAVAIR  
NR Ind: R  
ECM: BUPERS-321E

NOTE: Secret Clearance required

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 05 OP 4, OP 5, OP 2165, and OP 3565.

Source Rating: AO  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: C-646-7007 (P/L)  
CDP: 555C, 569A, 432W  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
NR Ind: R  
ECM: BUPERS-321D

AO-6802 Strike Intermediate Armament Maintenanceeman
Performs intermediate level maintenance on strike aviation armament equipment.

Source Rating: AO  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: C-646-3118  
CDP: 1068, 552A  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
NR Ind: R  
ECM: BUPERS-321D

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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E5-E7  
Personnel Paygrades: E3-E7  
CIN: C-646-3108  
CDP: 0369, 036K  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
NR Ind: R  
ECM: BUPERS-321D
AO-6811  Armament Weapons Support Equipment Technician

Performs organizational level maintenance on Armament Weapons Support Equipment (ASWE) including pre/post operations, scheduled maintenance for fault isolation and removal/replacement of components.

Source Rating: AO
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N889

Billet Paygrades: E3-E5
CIN: C-646-3109
Personnel Paygrades: E3-E5
CDP: 5095, 5096
NR Ind: A
Open to Women: Yes
ECM: BUPERS-321D

AO-6813  Airborne Weapons Technical Manager

Assists the Division Officer on aviation ships and shore activities in the technical management of airborne weapons, including the associated maintenance, logistics, operational support, and inherent explosive safety. Provides liaison between the Division Officers and the Work Center Supervisors. Performs managerial functions in the areas of operational tasking, aircraft armament equipment status, aviation weapons support equipment status, airborne weapons status, ammunition administration and accountability, ammunition handling and stowage coordination and status, and explosive safety program coordination and status. Coordinates, prioritizes, and monitors all assigned division maintenance and operational commitments. Assigns required priorities of effort and monitors overall levels of support.

Source Rating: AO
Course: Mandatory
Sequence Code: 2
Component NEC: Related NEC: 6801, 6802
Primary Advisor: CNO N889

Billet Paygrades: E7-E9
CIN: Q-4E-0010
Personnel Paygrades: E7-E9
CDP: 0711
NR Ind: R
Open to Women: Yes
ECM: BUPERS-321D

NOTE: To be assigned this NEC at the ship or shore station level, personnel have held one of the following billets at the E7 – E9 level for at least 12 months: G or Weapons Division, 700 Division, Magazine Division, Ammunition Logistics Division, Departmental Leading Petty Officer, or Quality Assurance.

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: Mandatory
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: CNO N889

Billet Paygrades: E4-E9
CIN: C-222-2022
Personnel Paygrades: E4-E9
CDP: 708L
NR Ind: R
Open to Women: Yes
ECM: BUPERS-321E

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: Mandatory
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: CNO N889

Billet Paygrades: E3-E9
CIN: C-222-2012
Personnel Paygrades: E3-E9
CDP: 708M
NR Ind: R
Open to Women: Yes
ECM: BUPERS-321E

AC-6903 Amphibious Air Traffic Control Center Controller

Directs 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: Mandatory
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: CNO N889, N865

Billet Paygrades: E4-E8
CIN: C-222-2019
Personnel Paygrades: E3-E8
CDP: 708P
NR Ind: R
Open to Women: Yes
ECM: BUPERS-321E
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.

Source Rating: AC  
Billet Paygrades: E6-E9  
Personnel Paygrades: E6-E9
Course: Mandatory  
CIN: C-222-2023  
CDP: 475B
Sequence Code: 2  
NR Ind : R
Component NEC:  
Related NEC:  
Open to Women: Yes
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

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: ABE  
Billet Paygrades: E5-E8  
Personnel Paygrades: E4-E8
Course: Mandatory  
CIN: C-604-2014  
CDP: 179X
Sequence Code: 5  
NR Ind : R
Component NEC:  
Related NEC:  
Open to Women: Yes
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
ECM: BUPERS-321D

NOTE: Previous holders of NEC 7003 may be awarded NEC 7004 after 6 months OJT and with CO’s recommendation. Personnel submit NAVPERS 1221/6 to PERS-4013D2 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  
Billet Paygrades: E5-E9  
Personnel Paygrades: E4-E9
Course: Mandatory  
CIN: C-604-2029  
CDP: 224K
Sequence Code: 5  
NR Ind : A
Component NEC:  
Related NEC:  
Open to Women: Yes
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
ECM: BUPERS-321D

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: E4-E9
Course: Mandatory  
CIN: C-604-2028  
CDP: 1333
Sequence Code: 5  
NR Ind : R
Component NEC: 7004 or 7005  
Related NEC:  
Open to Women: Yes
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
ECM: BUPERS-321D

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: ABH  
Billet Paygrades: E4-E8  
Personnel Paygrades: E3-E8
Course: Mandatory  
CIN: C-780-2013  
CDP: 709C
Sequence Code: 5  
NR Ind : R
Component NEC:  
Related NEC:  
Open to Women: Yes
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
ECM: BUPERS-321D
AB-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: E4-E8  
Course: Mandatory  
Sequence Code: 3  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
ECM: BUPERS-321D

ABF-7022 Aviation Fuels Maintenance Technician
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  
Billet Paygrades: E4-E8  
Course: Mandatory  
Sequence Code: 5  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
ECM: BUPERS-321D

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

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  
Course: See Note  
Sequence Code: 5  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

NOTE: Awarded through OJT while assigned to an Aircraft Intermediate Maintenance Department

AE-7133 EA-6B 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 EA-6B aircraft.

Source Rating: AE  
Billet Paygrades: E3-E7  
Course: Mandatory  
Sequence Code: 5  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E
### AE-7136 P-3C Automatic Flight Control Systems (AFCS) IMA Technician

Performs intermediate level maintenance on P-3C automatic flight control systems.

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<tr>
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<tbody>
<tr>
<td>Course: See Note</td>
<td>CIN: *</td>
<td>CDP: *</td>
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<tr>
<td>Sequence Code: 5</td>
<td>Related NEC:</td>
<td>Open to Women: Yes</td>
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<td>Primary Advisor:</td>
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</tbody>
</table>

**NOTE:** Awarded through OJT while assigned to an Aircraft Intermediate Maintenance Department

### 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.

<table>
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<tr>
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<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: C-602-3019</td>
<td>CDP: 485U, 498J</td>
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<tr>
<td>Sequence Code: 5</td>
<td>Related NEC: 7131</td>
<td>Open to Women: Yes</td>
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<td>Primary Advisor:</td>
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</table>

### AE-7140 A/F 37T-21 Aircraft Engine Components Test Stand

Performs Intermediate level maintenance, with dynamic testing capability of aircraft engine driven accessories such as generators, generator drive systems, aircraft electrical components and the A/F37T-21 test stand.

<table>
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<tr>
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<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: C-602-3126</td>
<td>CDP: 6056</td>
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<tr>
<td>Sequence Code: 5</td>
<td>Related NEC: 7131</td>
<td>Open to Women: Yes</td>
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<td>Primary Advisor:</td>
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### AE-7144 Helicopter ASE/AFCS IMA Technician


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<thead>
<tr>
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<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: C-602-4895 (P/L)</td>
<td>CDP: 4057, 584F</td>
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<tr>
<td>Sequence Code: 5</td>
<td>Related NEC:</td>
<td>Open to Women: Yes</td>
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<tr>
<td>Primary Advisor:</td>
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</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Source Rating: AE, AT</th>
<th>Billet Paygrades: E4-E6</th>
<th>Personnel Paygrades: E3-E6</th>
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</thead>
<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: C-150-3010</td>
<td>CDP: 0510, 491L</td>
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<tr>
<td>Sequence Code: 5</td>
<td>Related NEC:</td>
<td>Open to Women: Yes</td>
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<td>Primary Advisor:</td>
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</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Source Rating: AE</th>
<th>Billet Paygrades: E4-E6</th>
<th>Personnel Paygrades: E3-E6</th>
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<tbody>
<tr>
<td>Course: OJT</td>
<td>CIN:</td>
<td>CDP:</td>
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<tr>
<td>Sequence Code: 5</td>
<td>Related NEC:</td>
<td>Open to Women: Yes</td>
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<tr>
<td>Primary Advisor:</td>
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</tbody>
</table>

**NOTE:** Six months OJT required for award of NEC. Submit NAVPERS 1221/6 with Commanding Officer’s endorsement to PERS-4013D2.
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  
Billet Paygrades: E3-E8  
Personnel Paygrades: E3-E8  
Course: OJT  
CIN:  
Sequence Code: 4  
Component NEC: C-889  
Related NEC:  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E  

NOTE: If OJT experience supports NEC award, submit NAVPERS 1221/6 with documentation attached to PERS-4013D2.

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  
Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
Course: Mandatory  
CIN: C-602-3869  
Sequence Code: 5  
Component NEC: CNO N889  
Related NEC:  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E  

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  
Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
Course: Mandatory  
CIN: C-198-3060  
Sequence Code: 5  
Component NEC: CNO N889  
Related NEC:  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E  

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  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
Course: Mandatory  
CIN: C-602-3191  
Sequence Code: 6  
Component NEC: CNO N889  
Related NEC:  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
ECM: BUPERS-321D  

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-E6  
Course: Mandatory  
CIN: E-602-4011  
Sequence Code: 4  
Component NEC: CNO N889  
Related NEC: 7212  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
ECM: BUPERS-321D
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
Course: Mandatory
Sequence Code: 5
Component NEC: Related NEC:
Primary Advisor: CNO N889
Billet Paygrades: E4-E6
CIN: N-701-0007
N-701-0009
Personnel Paygrades: E3-E6
CDP: 884X, 907S, 9119, 931F
884Z, 933E, 938J, 9120
NR Ind: R
Open to Women: Yes
Technical Advisor: NAVAIR
ECM: BUPERS-321D

NOTES:
1. AM/AS personnel may attend both CIN’s to be awarded this NEC.
2. Course N-701-0008 or 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
Course: Mandatory
Sequence Code: 5
Component NEC: Related NEC:
Primary Advisor: CNO N889
Billet Paygrades: E4-E8
CIN: C-603-3191
Personnel Paygrades: E4-E8
CDP: 708Z
NR Ind: R
Open to Women: Yes
Technical Advisor: NAVAIR
ECM: BUPERS-321D

AM-7226 A/F-27T-10 Operator/Maintainer
Performs operational checks, testing/troubleshooting and repair hydraulic and pneumatic components using the A/F-27T-10 hydraulic test bench.

Source Rating: AM
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N889
Billet Paygrades: E3-E6
CIN: C-690-3211
Personnel Paygrades: E3-E6
CDP: 371V, 371W
NR Ind: A
Open to Women: Yes
Technical Advisor: NAVAIR
ECM: BUPERS-321D

AM-7227 A/F-27T-10 and (STS) Operator/Maintainer
Performs operational checks, testing/troubleshooting and repair of hydraulic and pneumatic components using the A/F-27T-10 Hydraulic Component Test Stand and the Servocylinder Test Station (STS).

Source Rating: AM
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: N889
Billet Paygrades: E4-E6
CIN: C-602-4011 (P/L)
Personnel Paygrades: E3-E6
CDP: 640B, 644R
NR Ind: A
Open to Women: Yes
Technical Advisor: NAVAIR
ECM: BUPERS-321D

AM-7232 Advanced Composite Structural Repair IMA Technician
Performs advanced composite structures repair at the intermediate maintenance level.

Source Rating: AM
Course: Mandatory
Sequence Code: 5
Component NEC: Related NEC:
Primary Advisor: CNO N889
Billet Paygrades: E3-E7
CIN: C-603-3868
Personnel Paygrades: E3-E7
CDP: 1213, 493Z
NR Ind: R
Open to Women: Yes
Technical Advisor: NAVAIR
ECM: BUPERS-321D
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, SO, EOD, ND, SB  
Course: See Note  
Sequence Code: 3  
Component NEC:  
Primary Advisor: CNO N851  
Billet Paygrades: E4-E9  
Personnel Paygrades: E4-E9  
CIN:  
CDP:  
Related NEC:  
Technical Advisor: NAVAIR  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-321D

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, SO, EOD, ND, SB  
Course: See Note  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N851  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CIN: K-860-0010  
CDP: 2507  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-321D

NOTES:
1. NEC awardable upon completion of Army courses 431-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 Equipment man (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  
Course: Mandatory  
Sequence Code: 5  
Component NEC:  
Primary Advisor: CNO N889  
Billet Paygrades: E4-E6  
Personnel Paygrades: E3-E6  
CIN: C-602-2040 (P/L)  
CDP: 708V  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-321D
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  
Course: Mandatory  
Billet Paygrades: E4-E6  
Personnel Paygrades: E4-E6  
CIN: C-420-2011  
R-420-0006  
CDP: 390P  
7677  
Sequence Code: 3  
Component NEC: Related NEC:  
Primary Advisor: CNO N960  
Technical Advisor: NAVMETOC  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-321E

NOTE: NEC may be granted to Selected Reserve personnel by COMNAVMETOCOM, upon completion of applicable training courses as determined by COMNAVMETOCOM.

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  
Course: Mandatory  
Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
CIN: M-602-7015 (P/L)  
CDP: 628Y  
NR Ind: A  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
Open to Women: Yes  
ECM: BUPERS-321D

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  
Course: Mandatory  
Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
CIN: C-602-7035 (P/L)  
CDP: 554T, 568L  
NR Ind: R  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
Open to Women: Yes  
ECM: BUPERS-321D

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  
Course: Mandatory  
Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
CIN: C-602-7005 (P/L)  
CDP: 554N, 568G  
NR Ind: R  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
Open to Women: Yes  
ECM: BUPERS-321D

AS-7607 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  
Course: Mandatory  
Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
CIN: C-602-7010 (P/L)  
CDP: 554R, 568H  
NR Ind: R  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
Open to Women: Yes  
ECM: BUPERS-321D
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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N889  
Primary Advisor: CNO N889  

Billet Paygrades: E5-E9  
Personnel Paygrades: E5-E9  
CIN: C-500-3202  
CDP: 489Y, 547V  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321D

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  

Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
CIN: C-602-7070 (P/L)  
CDP: 553K, 568T  
489W, 547S  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321D

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  

Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
CIN: D-602-7080  
CDP: 553M, 568V  
NR Ind: R  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321D

AS-7616 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 man lifts. Troubleshoots and repairs electric hydraulic lifting systems, mechanical drive systems, suspensions and electric and hydraulic control circuits and components.

Source Rating: AS  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  

Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
CIN: C-602-7065 (P/L)  
CDP: 568S  
NR Ind: R  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321D

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  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor: CNO N889  

Billet Paygrades: E5-E6  
Personnel Paygrades: E5-E6  
CIN: C-602-7060 (P/L)  
CDP: 583A  
NR Ind: R  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321D
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-25 fire trucks, A/S32A and SD-2 aircraft tow tractors, including charging, starting, ignition, hydraulic, pneumatic systems and their components.

Source Rating: AS
Course: Mandatory
Sequence Code: 5
Component NEC: CNO N889
Primary Advisor: CNO N889

Billet Paygrades: E3-E6
Personnel Paygrades: E3-E6
CIN: C-602-7090 (P/L)
CDP: 571T, 964D
NR Ind: R
Open to Women: Yes
Technical Advisor: NAVAIR
ECM: BUPERS-321D

AVIATION WARFARE SYSTEMS OPERATOR

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 NAVPERS 1221/6 to PERS-4013D2 immediately upon qualification for these NECs. Request for removal of any of these NECs will be submitted to CNO N13 via PERS-4013D2 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-7805 MH-60S Multi-Mission Helicopter Aircrewman
Performs in-flight duties as MH-60S Aircrewman.

Source Rating: AW
Course: Mandatory
Sequence Code: 4
Component NEC: 8201
Primary Advisor: CNO N889

Billet Paygrades: E3-E9
Personnel Paygrades: E1-E9
CIN: D-050-3100 (P/L)
CDP: 778V
468T
D-050-3102 (P/L)
778W
E-050-3102 (P/L)
4822
NR Ind: A
Open to Women: Yes
Technical Advisor: NAVAIR
ECM: BUPERS-321E

AW-7807 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.

Source Rating: AW
Course:
Sequence Code: 4
Component NEC: 8201
Primary Advisor: CNO N889

Billet Paygrades: E3-E8
Personnel Paygrades: E3-E8
CIN:
CDP:
NR Ind: A
Open to Women: Yes
Technical Advisor: NAVAIR
ECM: BUPERS-321E

NOTE: FTS/SELRES NEC only.
AW-7815 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: AW  
Course: Mandatory  
Sequence Code: 5  
Component NEC: 8201  
Primary Advisor: CNO N889  

Billet Paygrades: E4-E8  
CIN: Q-050-0600  
Related NEC:  
Technical Advisor: NAVAIR  
Personnel Paygrades: E3-E9  
CDP: 6597  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-321E  

NOTE: Detailers NOTE: This NEC is primarily intended for use with a helicopter NEC. There are no sea duty billets coded solely for this NEC. Shore duty coded swimmer billets are filled by “sea to shore” rollers.

AW-7835 Tactical/Mobile (TacMobile) Ashore Analysis Systems Operator
Performs TSC/MOCC operations through utilization of tactical display, environmental, acoustic, non-acoustic and associated equipment with an emphasis on operational application. Uses TSC/MOCC analysis equipment and tactical displays. Prepares messages and conducts operational briefings and debriefings; performs analysis and reconstruction of tactical missions and forwards mission data package.

Source Rating: AW  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 8201  
Primary Advisor: CNO N889  

Billet Paygrades: E3-E6  
CIN: D-210-4001 (P/L)  
R-210-6123 (P/L)  
Related NEC:  
Technical Advisor: NAVAIR, SPAWAR  
Personnel Paygrades: E3-E6  
CDP: 2094, 702W  
1670, 388S  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-321E  

NOTE: Personnel with NEC 7835 may earn NEC 7846 by attending the 4 week ASW/ASW Center Watch Officer strand course (J-210-0392). Personnel with NEC 7846 may earn NEC 7835 by attending the 4-week TSC/ASW Center Watch Officer strand course (J-210-0363).  

AW-7836 Tactical/Mobile (TacMobile) (Ashore) /CV-TSC (Afloat) Watch Officer
Provides leadership and management control of Tactical Support Center (TSC) and Mobile Operations Control Center (MOCC) operational watch teams and CV-TSC operational watch teams through employment of unique Command, Control, Communications, Computers, and Intelligence (C4I) Systems and techniques which will assist Task Group Commanders (TGCs) in planning and executing assigned missions within the Navy Command and Control System (NCCS), Joint Maritime Command Information Systems (JMCIS), and Global Command and Control Systems – Maritime (GCCS-M) networks.

Source Rating: AW  
Course: Mandatory  
Sequence Code: 2  
Component NEC: 8201  
Primary Advisor: CNO N889  

Billet Paygrades: E7-E9  
CIN: J-2G-0367  
Related NEC:  
Technical Advisor: NAVAIR, NAVSEA 05 SPAWAR  
Personnel Paygrades: E7-E9  
CDP: 9292  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-321E  

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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: 8201  
Primary Advisor: CNO N889  

Billet Paygrades: E3-E9  
CIN: D-050-1230 (P/L)  
R-050-1171 (P/L)  
Related NEC:  
Technical Advisor: NAVAIR  
Personnel Paygrades: E3-E9  
CDP: 298H  
796X  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-321E
**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.

<table>
<thead>
<tr>
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<td>CIN: D-210-4003 (P/L)</td>
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<td>Technical Advisor: NAVAIR, NAVSEA 05</td>
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</table>

**NOTES:**
1. Personnel with NEC 7835 may earn NEC 7846 by attending course J-210-0392
2. Personnel with NEC STG-0450 may earn NEC AW-7846 by attending course J-210-0392
3. Component NEC required for AW personnel only.

**AW-7861 P3C Non-Acoustic Operator**

Operates non-acoustic sensors in the P3C aircraft.

<table>
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<td>Course: Mandatory</td>
<td>CIN: R-210-6228 (P/L)</td>
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<td>ECM: BUPERS-321E</td>
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**AW-7873 SH60B Multi-Sensor Operator**

Operates acoustic and non-acoustic sensors in the SH60B LAMPS MK III aircraft.

<table>
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<td>CIN: R-050-2504 (P/L)</td>
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<td>ECM: BUPERS-321E</td>
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**AW-7875 MH-60R Multi Mission Helicopter Aircrewman**

Performs in-flight duties as MH-60-R Aircrewman.

<table>
<thead>
<tr>
<th>Source Rating: AW</th>
<th>Billet Paygrades: E3-E9</th>
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<td>CIN:</td>
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<td>ECM: BUPERS-321E</td>
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**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.

<table>
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<th>Source Rating: AW</th>
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<td>ECM: BUPERS-321E</td>
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</table>
AW-7885 MH-53 Utility Aircrewman
Performs 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: AW  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 8201  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E8  
Personnel Paygrades: E3-E8  
CIN: D-050-2791 (P/L)  
CDP: 644S  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

AW-7886 MH-53 Airborne Mine Countermeasures (AMCM) Aircrewman
Performs in-flight duties and operates appropriate airborne equipment in helicopter mine countermeasures operations.

Source Rating: AW  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 7885  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E8  
Personnel Paygrades: E3-E8  
CIN: D-050-2793 (P/L)  
CDP: 2048  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

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: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor:  
Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E7  
CIN: D-198-4868  
CDP: 1176  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

NOTE: No longer an awardable NEC.

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: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor:  
Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E7  
CIN:  
CDP:  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

AT-7988 AWG-9/AWM-23 Low Frequency Test Station IMA Technician
Performs functional tests, fault isolation, repair, and serviceability verification of assigned AWG-9 components and performs functional tests and corrects malfunctions on the low frequency test console.

Source Rating: AT  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor:  
Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E7  
CIN:  
CDP:  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

AT-7989 AWG-9/AWM-23 Computer Test Station IMA Technician
Performs functional tests, fault isolation, repair, and serviceability verification of assigned AWG-9 components and performs functional tests and corrects malfunctions on the computer test console.

Source Rating: AT  
Course: Mandatory  
Sequence Code: 5  
Component NEC: CNO N889  
Primary Advisor:  
Billet Paygrades: E4-E6  
Personnel Paygrades: E3-E6  
CIN:  
CDP:  
Related NEC:  
Open to Women: Yes  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E
AT-7991 AWG-9/AWM-23 Controls and Displays Test Station IMA Technician
Performs functional tests, fault isolation, repair, and serviceability verification of assigned AWG-9 components and performs functional tests and corrects malfunctions on the controls and displays test console.

Source Rating: AT
Billet Paygrades: E4-E6
Course: CIN:
Sequence Code: 5
Component NEC: CNO N889
Primary Advisor: Related NEC: NAVAIR
Technical Advisor: NAVAIR
Personnel Paygrades: E3-E6
CDP:
NR Ind: R
Open to Women: Yes
ECM: BUPERS-321E

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
Billet Paygrades: E4-E6
Course: CIN:
Sequence Code: 5
Component NEC: CNO N889
Primary Advisor: Related NEC: NAVAIR
Technical Advisor: NAVAIR
Personnel Paygrades: E3-E6
CDP:
NR Ind: R
Open to Women: Yes
ECM: BUPERS-321E

STOREKEEPER
SK-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: SK
Billet Paygrades: E5-E7
Course: CIN:
Sequence Code: 3
Component NEC: CNO N41, N889
Primary Advisor: Related NEC: NAVSUP (4B, N00B)
Technical Advisor: NAVSUP (4B, N00B)
Personnel Paygrades: E5-E7
CDP:
NR Ind: R
Open to Women: Yes
ECM: BUPERS-N321D5

NOTE: No longer awardable. Used as a track NEC only.

SK-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 database 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: SK
Billet Paygrades: E5-E8
Course: CIN:
Sequence Code: 3
Component NEC: CNO N41, N889
Primary Advisor: Related NEC: 8012
Technical Advisor: NAVSUP (4B, N00B)
Personnel Paygrades: E5-E8
CDP:
NR Ind: R
Open to Women: Yes
ECM: BUPERS-N321D5

NOTE: No longer awardable. Used as a track NEC only.
SK-8014 Optimized Naval Aviation Logistic Command Operations Maintenance Information System (NALCOMIS) Intermediate Maintenance Activity (IMA) Aviation Supply Systems Specialist

Performs aviation supply functions both afloat and ashore, utilizing Optimized NALCOMIS IMA system. 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 Optimized NALCOMIS IMA system and prepares the parameters for the management report analysis.

Source Rating: SK  Course: Mandatory  Sequence Code: 3  Component NEC: CNO N41, N889


Related NEC: 8012  Open to Women: Yes

Technical Advisor: NAVSUP (4B, N00B)  ECM: PERS BUPERS 328C

SK-8015 Optimized Naval Aviation Logistic Command Operations Maintenance Information System (NALCOMIS) Supply Application Administrator (SAA)

Uses database computer skills to support the Optimized NALCOMIS Intermediate Maintenance Activity (IMA) application to IMAs afloat and ashore. Coordinates the operation and maintenance of Optimized NALCOMIS IMA for the supply department. Ensures system security and database integrity. Monitors supply interface processing to ensure the accuracy of the Optimized NALCOMIS IMA database as reflected against the host Supply Automated Information System. Performs utility programs as required. Possesses a working knowledge of Optimized NALCOMIS IMA supply software capabilities. Maintains familiarity with the operation of all Optimized NALCOMIS IMA hardware assigned to supply functional users. Coordinates with the NTCSS System Administrator and Maintenance IMA SAA 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 NTCSS system administrator, and Supply Officer on matters pertaining to supply related issues effecting Optimized NALCOMIS IMA.

Source Rating: SK  Course: Mandatory  Sequence Code: 3  Component NEC: CNO N41, N889

Billet Paygrades: E5-E8  Personnel Paygrades: E5-E8  CIN: C-555-0050  CDP: 765X, 765Y

Related NEC: 8013  Open to Women: Yes

Technical Advisor: NAVSUP (4B, N00B)  ECM: BUPERS 328C

MASS COMMUNICATION

MC-8133 EH-38 Photographic Quality Control Technician - Deleted

MC-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: MC  Course: Mandatory  Sequence Code: 5  Component NEC: CNO N09C

Billet Paygrades: E4-E6  Personnel Paygrades: E4-E6  CIN: S-400-2010  CDP: 328W

Related NEC: Open to Women: Yes

Technical Advisor: NAVMEDIACEN  ECM: BUPERS 328D

MC-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: MC  Course: Mandatory  Sequence Code: 3  Component NEC: 8143

Billet Paygrades: E5-E7  Personnel Paygrades: E5-E7  CIN: S-400-2014  CDP: 4414

Related NEC: Open to Women: Yes

Technical Advisor: NAVMEDIACEN  ECM: BUPERS 328D
MC-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: MC  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N09C  
Primary Advisor: CNO N09C  
Billet Paygrades: E4-E7  
Personnel Paygrades: E4-E7  
CIN: S-570-0017  
CDP: 961V  
Related NEC:  
Technical Advisor: NAVMEDIACEN  
ECM: BUPERS 328D

MC-8148 Photojournalist


Source Rating: MC  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N09C  
Primary Advisor: CNO N09C  
Billet Paygrades: E5-E7  
Personnel Paygrades: E5-E7  
CIN: S-400-2013  
CDP: 4464  
Related NEC:  
Technical Advisor: NAVMEDIACEN  
ECM: BUPERS 328D

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-400-2013).
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, news writing 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 MC-8148. The board will convene annually in March and includes representatives from CHINFO.

MC-8192 Photographic Equipment Maintenance Technician - Deleted

MC-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: MC, IT  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N09C  
Primary Advisor: CNO N09C  
Billet Paygrades: E4-E5  
Personnel Paygrades: E3-E6  
CIN: S-400-2040  
CDP: 324S  
Related NEC:  
Technical Advisor: NAVMEDIACEN  
ECM: BUPERS 328D

NOTE: 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 NAVPERS 1221/6 to NPC, PERS-4013 (NEC Mgmt Section), 5720 Integrity Drive, Millington, TN 38055-3340 via CNO (N09C4).
NAVAL AIRCREWMAN

8201-8298 Naval Aircrewmans
Personnel of various ratings assigned under a Distribution NEC of 82XX and 94XX by the Chief of Naval Personnel as Aircrew are in a permanent flight status IAW provisions of BUPERSINST 1326.4 series. 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.

NOTES:
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, or determine designation as a Naval Aircrewman.
2. 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, NAC designation may only be awarded after successful completion of operational standards prescribed by the Chief of Naval Operations.
3. Final qualification for AC designator is not a prerequisite for NEC assignment.
4. These NECs are the primary means of identification for aircrewmen. Commands shall ensure submission of NAVPERS 1221/6 to PERS-4013D2 via PERS-404E, via naval message, immediately upon qualification for the various NECs. Submit request for removal of these NECs to Pers-481 via PERS-4013D2 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. Selected reservists submissions shall be sent to NAVRESPERCEN (N4) for both awarding and removal of NECs.

8201 Naval Aircrewman Candidate
Performs assignments in training, for flight crewman.

Source Rating: ABH, AD, AE, AG, SK, AME, AM, AO, AT, AW, AZ, CTI, CTR, CTT, HM, CS, MC, PR, IT
Course: Mandatory
Sequence Code: 8
Component NEC: Related NEC: Related NEC: Related NEC:
Primary Advisor: CNO N889 Technical Advisor: NAVAIR Technical Advisor: NAVAIR
Billet Paygrades: E3-E7 Personnel Paygrades: E1-E8
CIN: Q-050-1500 CDP: 806E NR Ind: R Open to Women: Yes
ECM: BUPERS-321E

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 BUPERSINST 1326.4 Series, and MILPERSMAN 1306-911.
3. Members awarded this NEC who does not qualify for naval 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.

8202 Naval Aircrewman (Special Assignment)
Performs in-flight duties as assigned in support of command mission.

Source Rating: AS DETERMINED BY CHNAV PERS
Course: CIN: CDP:
Sequence Code: 3 CDP: NR Ind: R Open to Women: Yes
Component NEC: Related NEC:
Primary Advisor: CNO N889 Technical Advisor: NAVAIR
Billet Paygrades: E5-E9 Personnel Paygrades: E4-E9
CIN: CDP:
ECM: BUPERS-321E

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 are 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.
8206 C-130 Flight Mechanic
Performs in-flight duties as a C-130 Flight Mechanic.

Source Rating: AD, AE, AM, AT
Course: Mandatory
Sequence Code: 4
Component NEC: 8201
Primary Advisor: CNO N889

Billet Paygrades: E3-E6
Personnel Paygrades: E3-E6
CIN: R-050-8206
CDP: 662K
Related NEC:
Open to Women: Yes
Technical Advisor: NAVAIR
ECM: BUPERS-329

NOTE: NEC is for Selected Reserve (SELRES) personnel only.

8207 HH-60H Utility Aircrewsman
Performs in-flight functions during special warfare support, combat search and rescue, and logistical support missions in the H-60H aircraft.

Source Rating: AD, AO, AE, AM, PR, AME, AT
Course:
Sequence Code: 4
Component NEC: 8201
Primary Advisor: CNO N889

Billet Paygrades: E3-E8
Personnel Paygrades: E3-E8
CIN: R-050-0402
CDP: 653Z
Related NEC: 7876
Open to Women: Yes
Technical Advisor: NAVAIR
ECM: BUPERS-321E

8208 C-130 Second Loadmaster
Performs in-flight duties as a loadmaster assistant. Performs maintenance, rigging, and in-flight functions of internal cargo handling for C-130 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.

Source Rating: AB, AD, AO, AE, AF, AM, AME, AT, ABH, AV, AZ, PR, SK
Course: Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N889

Billet Paygrades: E3-E8
Personnel Paygrades: E1-E9
CIN: R-050-0402
CDP: 653Z
Related NEC:
Open to Women: Yes
Technical Advisor: NAVAIR
ECM: BUPERS-329

NOTE: NEC is for Selected Reserve (SELRES) personnel only.

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.

Source Rating: AD, AM, AE, AT, AF, AV
Course:
Sequence Code: 4
Component NEC: 8289/8278
Primary Advisor: CNO N889

Billet Paygrades: E5-E8
Personnel Paygrades: E5-E9
CIN: R-050-0402
CDP: 653Z
Related NEC: 8250
Open to Women: Yes
Technical Advisor: NAVAIR
ECM: BUPERS-3210

NOTE: FTS/SELRES only. Earned through commercially procured training course provided by Reserve VR Wing.
8216 H-46 Utility Aircrewman
Performs loading, rigging, weight and balance, and in-flight functions of external cargo handling for helicopter platforms during vertical replenishment operations.

<table>
<thead>
<tr>
<th>Source Rating: AD, AM, AE, AO, AT, AME, PR</th>
<th>Billet Paygrades: E3-E8</th>
<th>Personnel Paygrades: E3-E8</th>
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<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: E-050-2400 (P/L)</td>
<td>CDP: 937X</td>
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<tr>
<td>Sequence Code: 4</td>
<td>E-050-0011 (P/L)</td>
<td>471B</td>
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<tr>
<td>Component NEC: 8201</td>
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<td>Open to Women: Yes</td>
</tr>
<tr>
<td>Primary Advisor: CNO N889</td>
<td>Technical Advisor: NAVAIR</td>
<td>ECM: BUPERS-321E</td>
</tr>
</tbody>
</table>

NOTE: No new assignments of this NEC

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.

<table>
<thead>
<tr>
<th>Source Rating: AB, ABH, AD, AM, AME, AE, AT, AO, AF, AV, AZ, PR, SK</th>
<th>Billet Paygrades: E3-E9</th>
<th>Personnel Paygrades: E3-E9</th>
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<tr>
<td>Course: Mandatory</td>
<td>CIN: R-050-0401</td>
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<td>Sequence Code: 4</td>
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<td>Component NEC: 8201</td>
<td>Related NEC: 8278</td>
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<tr>
<td>Primary Advisor: CNO N889</td>
<td>Technical Advisor: NAVAIR</td>
<td>ECM: BUPERS-329</td>
</tr>
</tbody>
</table>

8226 MH-53 Airborne Mine Countermeasures (AMCM) Aircrewman
Performs in-flight duties and operates appropriate airborne equipment in helicopter mine countermeasures operations.

<table>
<thead>
<tr>
<th>Source Rating: AD, AM, AME, AT, AE, AO, PR</th>
<th>Billet Paygrades: E3-E8</th>
<th>Personnel Paygrades: E3-E8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: D-050-2793 (P/L)</td>
<td>CDP: 2048</td>
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<td>Sequence Code: 4</td>
<td>NR Ind: R</td>
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<tr>
<td>Component NEC:</td>
<td>Related NEC:</td>
<td>Open to Women: Yes</td>
</tr>
<tr>
<td>Primary Advisor: CNO N889</td>
<td>Technical Advisor: NAVAIR</td>
<td>ECM: BUPERS-321E</td>
</tr>
</tbody>
</table>

8227 E-6B REEL System Operator
Performs in-flight operation of the E-6B Dual trailing wire antenna system.

<table>
<thead>
<tr>
<th>Source Rating: AE, AM, AME</th>
<th>Billet Paygrades: E4-E7</th>
<th>Personnel Paygrades: E4-E8</th>
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<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: E-050-0412 (P/L)</td>
<td>CDP: 336W</td>
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<td>Related NEC:</td>
<td>Open to Women: Yes</td>
</tr>
<tr>
<td>Primary Advisor: CNO N889</td>
<td>Technical Advisor: NAVAIR</td>
<td>ECM: BUPERS-321E</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Source Rating: IT, AW, AT</th>
<th>Billet Paygrades: E5-E8</th>
<th>Personnel Paygrades: E5-E8</th>
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<tr>
<td>Course: Mandatory</td>
<td>CIN: E-050-0413 (P/L)</td>
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<td>Related NEC:</td>
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</tr>
<tr>
<td>Primary Advisor: CNO N889</td>
<td>Technical Advisor: NAVAIR</td>
<td>ECM: BUPERS-321E</td>
</tr>
</tbody>
</table>

NOTE: Must have a Top Secret/SCI Clearance and be PRP eligible.
8229 E-6B In-flight Technician
Performs duties as an E-6B In-Flight Technician and Communications Systems Operator while independently deployed. Is knowledgeable in strategic communications, CMS materials, and all aircraft/mission avionics systems.

Source Rating: AT
Course: Mandatory
Sequence Code: 4
Component NEC: 8201
Primary Advisor: CNO N889

Billet Paygrades: E4-E7
CIN: E-050-0414 (P/L)
Related NEC: NAVAIR
Technical Advisor: NAVAIR

Personnel Paygrades: E4-E8
CDP: 336P
NR Ind: R
Open to Women: Yes
ECM: BUPERS-321E

8235 E-6B Flight Engineer
Performs in-flight duties as an E-6B Flight Engineer.

Source Rating: AD, AE, AM
Course: Mandatory
Sequence Code: 3
Component NEC: 8201
Primary Advisor: CNO N889

Billet Paygrades: E5-E8
CIN: E-050-0410 (P/L)
Related NEC: NAVAIR
Technical Advisor: NAVAIR

Personnel Paygrades: E5-E8
CDP: 958V
NR Ind: R
Open to Women: Yes
ECM: BUPERS-321E

8241 C-12 Transport Aircrewman
Performs in-flight functions as assigned in support of mission.

Source Rating: AD, AO, AME, AM, AG, AE, AT
Course: Mandatory
Sequence Code: 4
Component NEC: 8201
Primary Advisor: CNO N889

Billet Paygrades: E3-E7
CIN: D-050-0015 (P/L)
D-050-0012
Related NEC: NAVAIR
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E7
CDP: 181H
NR Ind: A
Open to Women: Yes
ECM: BUPERS-321E

8245 C-20/C-37 Crew Chief
Performs in-flight and ground duties as a Gulfstream III/IV/V Flight Engineer/Mechanic. Is knowledgeable on all aircraft systems, emergency procedures, and flight equipment.

Source Rating: AD, AE, AME, AM, AF, AT, AV
Course: See Note
Sequence Code: 4
Component NEC: 8201
Primary Advisor: CNO N889

Billet Paygrades: E5-E8
Related NEC: NAVAIR
Technical Advisor: NAVAIR

Personnel Paygrades: E5-E9
CDP: 633K
NR Ind: R
Open to Women: Yes
ECM: BUPERS-321E


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: See Note
Sequence Code: 3
Component NEC: 8278
Primary Advisor: CNO N889

Billet Paygrades: E5-E9
Related NEC: NAVAIR
Technical Advisor: NAVAIR

Personnel Paygrades: E5-E9
CDP: 633K
NR Ind: R
Open to Women: Yes
ECM: BUPERS-321E

NOTE: C-9 Ground School and Simulator Instruction Course from Flight Safety International. Note: FTS/SELRES only. Earned through commercially procured training.
### 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, AT
- **Billet Paygrades:** E4-E9
- **Personnel Paygrades:** E4-E9
- **Course:** Mandatory
- **Sequence Code:** 3
- **Component NEC:** 8201
- **Primary Advisor:** CNO N889
- **CIN:** D-050-1010
- **CDP:** 002X
- **NR Ind:** R
- **Open to Women:** Yes
- **ECM:** BUPERS-321E

### 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, AT, AV, AF
- **Billet Paygrades:** E5-E8
- **Personnel Paygrades:** E5-E9
- **Course:** Mandatory
- **Sequence Code:** 3
- **Component NEC:** 8201
- **Primary Advisor:** CNO N889
- **CIN:** R-050-0404
- **CDP:** 7346
- **NR Ind:** A
- **Open to Women:** Yes
- **ECM:** BUPERS-321E

### 8265 P-3/C-37 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 N889
- **CIN:**
- **CDP:**
- **NR Ind:** A
- **Open to Women:** Yes
- **ECM:** BUPERS-321E

**NOTE:** C-37 NEC earned through commercially procured training.

### 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
- **Billet Paygrades:** E3-E8
- **Personnel Paygrades:** E3-E8
- **Course:** Mandatory
- **Sequence Code:** 4
- **Component NEC:** 8201
- **Primary Advisor:** CNO N889
- **CIN:** R-050-6124
- **CDP:** 387C, 00AK
- **NR Ind:** A
- **Open to Women:** Yes
- **ECM:** BUPERS-321E

**NOTE:** NEC awarded to reserve personnel only.

### 8278 Loadmaster
Performs in-flight duties as a Loadmaster in C-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, SK, PR
- **Billet Paygrades:** E4-E9
- **Personnel Paygrades:** E3-E9
- **Course:** Mandatory
- **Sequence Code:** 3
- **Component NEC:** 8289
- **Primary Advisor:** CNO N889
- **CIN:** R-553-3000
- **CDP:** 765H
- **NR Ind:** R
- **Open to Women:** Yes
- **ECM:** BUPERS-321E
8279 C-2 Transport Aircrewman
Performs in-flight duties as a transport aircrewman on C-2 aircraft. Performs and supervises inspections, maintenance, 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: Mandatory  
Sequence Code: 4  
Component NEC: 8201  
Primary Advisor: CNO N889  
Billet Paygrades: E4-E7  
CIN: D-050-2302 (P/L)  
D-050-2303 (P/L)  
Personnel Paygrades: E3-E7  
CDP: 595G, 2307  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-321E

8284 Aviation Electronic Warfare Operator
Operates EW equipment in P-3 and EP-3 aircraft.

Source Rating: AT, AE  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 8201  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E8  
CIN: E-050-3022 (P/L)  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-321E

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: MC  
Course: OJT  
Sequence Code: 4  
Component NEC: 8201  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E7  
CIN:  
Related NEC:  
Technical Advisor: NAVAIR  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS 328D

8289 Transport Safety Specialist
Performs in-flight duties as a flight attendant in C-9, C-20D, C-37 and C-40 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, CS, AD, AT, AZ, SK, ABH  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 8201  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E7  
CIN: R-050-8289  
CDP: 765J  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-321E

NOTE: CS is the only authorized Source Rating for the C-20D and C-37A aircraft TSS.

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  
Course: OJT  
Sequence Code: 4  
Component NEC: 8201  
Primary Advisor: CNO N889, N20  
Billet Paygrades: E3-E8  
CIN:  
Related NEC:  
Technical Advisor: NAVAIR, SECGRU  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-326

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. Knowledgeable of the EP-3E data collection systems, emergency and flight procedures.

Source Rating: CTI, CTT, CTR, IT  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 8201  
Primary Advisor: CNO N889, N20

Billet Paygrades: E4-E7  
Personnel Paygrades: E4-E7  
CIN: E-050-3021 (P/L)  
E-050-3023 (P/L)  
E-050-3010  
CDP: 2125  
2124  
2097

Related NEC: 8295  
Technical Advisor: NAVAIR, SECGRU

NOTE: Personnel must complete Survival Evasion Resistance and Escape (SERE) training (D-2D-0039/2553 or E-2D-0039/2638).

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 Rating: AO, AZ, PR, AF, AV, AS, AD, AM, AE, AT  
Course: OJT  
Sequence Code: 2  
Component NEC: 8800  
Primary Advisor: CNO N889

Billet Paygrades: E9-E9  
Personnel Paygrades: E8-E9  
CIN:  
CDP:  
NR Ind: A

Related NEC:  
Technical Advisor: NAVAIR

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 NAVPERS 1221/6 to PERS-4013D2 via the Enlisted Community Manager.

8303-8391 Aircraft Maintenance Technician
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 Maintenance Technician
Performs organizational level maintenance on the CH/MH-53E aircraft.

Source Rating: AD, AE, AM, AT  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N889

Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: AM  
C-603-9443 (P/L)  
AD  
C-601-9446 (P/L)  
AE  
C-602-9442 (P/L)  
AT  
C-102-9444 (P/L)  
CDP: 483X  
483U  
483V  
483W

Related NEC:  
Technical Advisor: NAVAIR

NOTE: Personnel must have served in the CH/MH-53E aircraft.
8305 C2/E2 Systems Organizational Career Maintenance Technician
Performs organizational level maintenance on the C-2 and E-2C aircraft.

Source Rating: AD, AM, AME, AT  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 8805  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E7  
CIN: C-601-9472 (AD)  
C-602-9478 (AM, AME, AT)  
Related NEC:  
Technical Advisor: NAVAIR  
Personnel Paygrades: E4-E7  
CDP: 480X, 480Y (AD)  
483J (AM, AME, AT)  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-321D

NOTES:
1. C2/E2 training applicable to AD, AM, and AME personnel.
3. NEC applies to AT personnel for E-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. Does not apply to AME.

8306 E-2C Group II Systems Organizational Career Maintenance Technician
Performs organizational level maintenance on the E-2 aircraft.

Source Rating: AE, AT, AD  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 8806 (see note 3)  
Primary Advisor: CNO N889  
Billet Paygrades: E5-E7  
CIN: C-102-9482 (P/L) (AT)  
C-602-9480 (P/L) (AE)  
C-601-9135 (P/L) (AD)  
Related NEC:  
Technical Advisor: NAVAIR  
Personnel Paygrades: E4-E7  
CDP: 238S, 325T (AT)  
3260, 397W (AE)  
498X, 325V (AD)  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-321E

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. AD rating can have Component NEC 8806 or 8805.

8307 C-2A Systems Organizational Maintenance Technician
Performs organizational level maintenance on the C-2A aircraft.

Source Rating: AT, AE  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E7  
CIN: C-602-2351 (P/L) (AE)  
C-102-2321 (P/L) (AT)  
Related NEC:  
Technical Advisor: NAVAIR  
Personnel Paygrades: E3-E7  
CDP: 555B (AE)  
555A (AT)  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-321E

8310 C-9B Systems Organizational Maintenance Technician
Performs organizational level maintenance on the C-9B aircraft.

Source Rating: AD, AE, AM, AME, AT, PR  
Course:  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E7  
CIN:  
Related NEC:  
Technical Advisor: NAVAIR  
Personnel Paygrades: E3-E7  
CDP:  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-321D

NOTE: Resources are established at Scott Air Force Base. FTS/SELRES only.
8311 Aerial Target System Maintenance Technician
Performs organizational level maintenance on Aerial Target Systems. Responsible for assembly/disassembly, inspections, scheduled and unscheduled maintenance, mission configuration, servicing, system testing, weight and balance, launch and recovery, and decontamination of BQM-74 Aerial Target System in accordance with OPNAVINST 8100.16.

Source Rating: AD, AE, AM, AO, AT, PR
Course: OJT
Sequence Code: 4
Component NEC: CNO N889
Primary Advisor: NAVAIR

8312 Aircraft Aerial Refueling Stores (ARS) Organizational Career Maintenance Technician
Performs preflight and post flight 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 Rating: AD, AE, AM
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N889
Primary Advisor: NAVAIR

8313 C-40A Systems Organizational Maintenance Technician
Performs organizational maintenance on the C-40 Aircraft.

Source Rating: AT, AE, AD, AM, AME
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N889
Primary Advisor: COMNAVRESFOR

8314 C-20G Systems Organizational Maintenance Technician
Performs organizational maintenance on the C-20 Aircraft.

Source Rating: AT, AE, AD, AM, AME
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N889
Primary Advisor: COMNAVRESFOR

8315 E-6B System Organizational Career Maintenance Technician
Performs organizational level maintenance on the E-6B aircraft.

Source Rating: AT
Course: Mandatory
Sequence Code: 3
Component NEC: 8809
Primary Advisor: NAVAIR
8316 E-2C Systems Organizational Career Maintenance Technician
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: Mandatory  
Sequence Code: 4  
Component NEC: 8806  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
CDP: 877S  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-321D

8318 C-130 Systems Organizational Maintenance Technician
Performs organizational level maintenance on the C-130 aircraft.

Source Rating: AD, AT, AE, AM, AME  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
CDP: 182H  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-321D

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
Performs organizational level maintenance on the P-3 aircraft.

Source Rating: AO, AME  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Technical Advisor: NAVAIR  
CDP: 458T, 460F (AT)  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS-321D

NOTES:
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. Does not apply to AME and AO personnel.
2. Component NEC not required for AME and AO personnel
8332 EA-6B Systems Organizational Career Maintenance Technician
Performs organizational level maintenance on the EA-6B aircraft.

Source Rating: AO  Billet Paygrades: E3-E7  Personnel Paygrades: E3-E7
Source Rating: AD, AE, AT, AME, AM  Billet Paygrades: E5-E7  Personnel Paygrades: E4-E7
Course: Mandatory  Component NEC: 8832 (See Note 1)
CIN: C-601-9741 (P/L) (AD)  CDP: 457H (AD)
C-602-9744 (P/L) (AE)  457L (AE)
C-602-9741 (P/L) (AM)  457J (AM)
C-602-9743 (P/L) (AME)  457K (AME)
C-102-9741 (P/L) (AT)  457F (AT)
C-646-1840 (P/L) (AO)  566J (AO)
C-102-9742  457G, 457H

Sequence Code: 4
Component NEC: 8832 (See Note 1)  Related NEC:  Open to Women: Yes
Primary Advisor: CNO N889  Technical Advisor: NAVAIR  ECM: BUPERS-321D

NOTES:
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. Does not apply to AO.

AT-8340 F/A-18E/F Block 2 Avionics System Organizational Career Maintenance Technician
Performs organizational journeyman level maintenance on the F/A-18E/F upper LOT 27, 28, 30 and above aircraft.

Source Rating: AT  Billet Paygrades: E5-E7  Personnel Paygrades: E4-E7
Course: Mandatory  Component NEC: 8841
CIN: AT  C-102-0100  CDP: 979K, 979L
Sequence Code: 4  NR Ind: R
Component NEC:  Related NEC:  Open to Women: Yes
Primary Advisor: CNO N889  Technical Advisor: NAVAIR  ECM: BUPERS-321D

8341 F/A-18E/F Systems Organizational Career Maintenance Technician
Performs organizational career level maintenance on the F/A-18E/F aircraft.

Source Rating: AT, AE, AME, AD, AO, AM  Billet Paygrades: E5-E7  Personnel Paygrades: E4-E7
Course: Mandatory  Component NEC: 8841
CIN: C-601-9975 (AD)  CDP: 2838, 401B (AD)
C-602-9977 (AE)  283J, 401T (AE)
C-603-9975 (AM)  2923, 4030 (AM)
C-602-9979 (AME)  2889, 4027 (AME)
C-646-9975 (AO)  294V, 4034 (AO)
AT  C-102-9978  2758, 4019

Sequence Code: 4  NR Ind: A
Component NEC: 8841  Related NEC:  Open to Women: Yes
Primary Advisor: CNO N889  Technical Advisor: NAVAIR  ECM: BUPERS-321D

8342 F/A-18 A/B/C/D Systems Organizational Maintenance Technician
Performs organizational level maintenance on the F/A-18 A/B/C/D aircraft.

Source Rating: AD, AE, AT, AME, AM  Billet Paygrades: E5-E7  Personnel Paygrades: E4-E7
Course: Mandatory  Component NEC: 8842
CIN: C-603-9974 (P/L) (AM)  CDP: 1215, 495C (AM)
C-602-9974 (P/L) (AME)  1207, 495E (AME)
C-102-9963 (P/L) (AT)  1162, 495G (AT)
C-602-9976 (P/L) (AE)  1209, 495F (AE)
C-601-9974 (P/L) (AD)  1182, 495D (AD)
C-646-9974 (P/L) (AO)  1218, 495H (AO)
C-646-0641 (P/L)  564T

Sequence Code: 4  NR Ind: A
Component NEC: 8842  Related NEC:  Open to Women: Yes
Primary Advisor: CNO N889  Technical Advisor: NAVAIR  ECM: BUPERS-321D
8343 E-6 Systems Organizational Career Maintenance Technician
Performs organizational level maintenance on all E-6 series aircraft.

Source Rating: AME
Source Rating: AD, AE, AM
Course: Mandatory

Component NEC: 8843 (See Note 1)
Primary Advisor: CNO N889

Billet Paygrades: E3-E7
Billet Paygrades: E5-E7
CIN: C-601-3504 (AD)
C-602-3509 (AE)
C-602-3510 (AME)
C-603-3503 (AM)

Sequence Code: 4
Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E7
Personnel Paygrades: E4-E7
CDP: 454G (AD)
454H (AE)
454J (AME)
454K (AM)

NR Ind: A
Open to Women: Yes
ECM: BUPERS-321D

NOTES:
1. Component NEC not required for AME 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.

8345 F-14 Systems Organizational Career Maintenance Technician - Deleted

8351 A-4 Systems Organizational Maintenance Technician
Performs organizational level maintenance on the A-4 aircraft.

Source Rating: AD, AT, AO, AE, AM, AME
Course: OJT
Sequence Code: 6
Component NEC:
Primary Advisor: CNO N889

Billet Paygrades: E3-E7
CIN: C-690-0644 (AM/AS)
C-690-0646 (AT/AE)
C-690-0644 (AM)

Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E7
CDP: 3164
3162

NR Ind: N
Open to Women: Yes
ECM: BUPERS-321E

8361 Unmanned Aerial Vehicle (UAV) Systems Organizational Maintenance Technician
Performs organizational level maintenance on UAV systems and support equipment.

Source Rating: AT, AE, AM, AS, AW
Course: Mandatory
Sequence Code: 6
Component NEC:
Primary Advisor: CNO N889

Billet Paygrades: E3-E7
CIN: C-104-0641
C-104-0642

Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E3-E7
CDP: 3164

NR Ind: N
Open to Women: Yes
ECM: BUPERS-321E

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 Rating: AS, AM, AE, AT, AW
Course: Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N889

Billet Paygrades: E5-E6
CIN: C-104-0641
C-104-0642

Related NEC:
Technical Advisor: NAVAIR

Personnel Paygrades: E4-E7
CDP: 3164

NR Ind: N
Open to Women: Yes
ECM: BUPERS-321E

NOTES:
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, AW  
Course: Mandatory  
Billet Paygrades: E5-E6  
CIN: C-104-0642  
CDP: 3162  
NR Ind: N  
Open to Women: Yes  
Related NEC:  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

NOTES:
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.

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  
Course: See Note  
Billet Paygrades: E5-E6  
CIN:  
CDP:  
NR Ind: N  
Open to Women: No  
Related NEC:  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E

Note: Earned through joint training at Fort Huachuca.

8373 MH-60S Organic Airborne Mine Countermeasures (OAMCM) Systems Maintenance Technician

Source Rating: AT, MN  
Course: Mandatory  
Billet Paygrades: E5-E7  
CIN: C-102-0114  
CDP: 088P, 985D  
NR Ind: A  
Open to Women: Yes  
Related NEC:  
Technical Advisor: NAVSEA 05, NAVAIR  
ECM: BUPERS-321E

Note: NEC may be awarded through cadre training pending establishment of formal training.

AT-8376 SH-60 (LAMPS MK III) Systems Organizational Career Maintenance Technician
Performs organizational level maintenance on the SH-60 (LAMPS MK III) aircraft.

Source Rating: AT  
Course: Mandatory  
Billet Paygrades: E4-E7  
CIN: C-102-9409 (P/L)  
CDP: 088P, 985D  
NR Ind: A  
Open to Women: Yes  
Related NEC:  
Technical Advisor: NAVAIR  
ECM: BUPERS-321E
AO-8378 H-60 Systems Organizational Career Maintenance Technician
Performs organizational maintenance on all T/M/S/ of the H-60 aircraft.

Source Rating: AO
Billet Paygrades: E3-E7
Personnel Paygrades: E3-E7
Sequence Code: 4
Component NEC: 8878 (See Note 2)
Primary Advisor: CNO N889
Technical Advisor: NAVAIR
ECM: BUPERS-321D

NOTES:
1. AT personnel who hold NEC 8376 must complete formal training to be awarded NEC 8378.
2. Component NEC not required of AO personnel.
3. Applies to SH-60F/HH-60H aircraft for AT and AE personnel.

8379 H-46 Systems Organizational Maintenance Technician
Performs organizational level maintenance on the H-46 aircraft.

Source Rating: AD, AE, AM, AT
Billet Paygrades: E3-E7
Personnel Paygrades: E3-E7
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N889
Technical Advisor: NAVAIR
NR Ind: A
Open to Women: Yes
ECM: BUPERS-321D

8380 UH-1N Systems Organizational Maintenance Technician
Performs organizational level maintenance on the UH-1N aircraft.

Source Rating: AD, AE, AT, AM
Billet Paygrades: E3-E7
Personnel Paygrades: E3-E7
Sequence Code: 6
Component NEC:
Primary Advisor: CNO N889
Technical Advisor: NAVAIR
NR Ind: A
Open to Women: Yes
ECM: BUPERS-321D

8388 MH-60R Electronics Systems Organizational Career Maintenance Technician
Performs avionics organizational level maintenance on the MH-60R aircraft.

Source Rating: AT, AE
Billet Paygrades: E5-E7
Personnel Paygrades: E4-E7
Sequence Code: 3
Component NEC: 8807
Primary Advisor: CNO N889
Technical Advisor: NAVAIR
ECM: BUPERS-321E

NOTE: NEC may be awarded through cadre training pending implementation of formal training.

8389 MH-60S Electronics System Organizational Career Maintenance Technician
Performs avionics organizational level maintenance on the MH-60S aircraft.

Source Rating: AT, AE
Billet Paygrades: E5-E7
Personnel Paygrades: E4-E7
Sequence Code: 3
Component NEC: 8808
Primary Advisor: CNO N889
Technical Advisor: NAVAIR
ECM: BUPERS-321E

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)
Performs IMA and organizational level maintenance on the Airborne Mine Countermeasure System (AMCM).

Source Rating: AD, AM, AE, AT
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N889
Primary Advisor: CNO N889
Related NEC: 8381
Technical Advisor: NAVAIR
Personnel Paygrades: E3-E7
Billet Paygrades: E3-E7
CIN: AD/AM C-601-9448 (P/L)
AE C-602-9947 (P/L)
AT C-102-9728 (P/L)
CDP: 459R
459G
458Y
NR Ind: A
Open to Women: Yes
ECM: BUPERS-321D
NOTE: Secret Clearance required and member must not be color blind.

8392 C-20A/D Organizational Maintenance Technician
Performs organizational level maintenance on the C-20A/D aircraft.

Source Rating: AT, AD, AE, AM, AME, PR
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N889
Primary Advisor: CNO N889
Related NEC: 8314
Technical Advisor: COMNAVRESFOR
Personnel Paygrades: E3-E7
Billet Paygrades: E3-E7
CIN: R-601-2017
CDP: 633K
NR Ind: A
Open to Women: Yes
ECM: BUPERS-321D

8394 EA-18G Electronic Counter Measures (ECM) System Maintenance Technician
Performs organizational level maintenance on EA-18G Airborne Electronic Attack System. Systems include the ALQ-99 (Tactical Jamming System Receiver), INCANS (Interference Cancellation System), MATT (Multi-mission Advance Tactical Terminal), and CCS (Communications Countermeasures Set). Briefs and debriefs flight crews and conducts daily computer-assisted preflight inspection to determine status of equipment.

Source Rating: AT
Course: Mandatory
Sequence Code: 4
Component NEC: 8841 or 8341
Primary Advisor: CNO N889
Related NEC: 8341
Technical Advisor: NAVAIR
Personnel Paygrades: E4-E7
Billet Paygrades: E1-E7
CIN: C-102-9980
CDP: 037F
NR Ind: A
Open to Women: Yes
ECM: BUPERS-321D
NOTE: Secret Clearance required and member must not be color blind.

8395 EA-6B Electronic Counter Measures (ECM) System Organizational Career Maintenance Technician
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.

Source Rating: AT
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N889
Primary Advisor: CNO N889
Related NEC: 8341
Technical Advisor: NAVAIR
Personnel Paygrades: E4-E7
Billet Paygrades: E5-E7
CIN: C-102-9742
CDP: 457G
NR Ind: R
Open to Women: Yes
ECM: BUPERS-321E
NOTE: Secret Clearance required.
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
Course: Mandatory
Sequence Code: 4
Component NEC: 8201
Primary Advisor: BUMED

Billet Paygrades: E3-E7
Personnel Paygrades: E3-E7
CIN: B-300-0001
B-300-0005
CDP: 845E
475W
Related NEC: NAVAIR,
FHP LEARNING CTR
Related NEC: Open to Women: Yes
Technical Advisor: BUMED
ECM: BUPERS 327

NOTES:
1. 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.
2. Member will retain this NEC for the maximum number of 8 years. If the member has not qualified for another advanced closed loop NEC utilizing their skills and experience in emergency medicine i.e. HM-8425, 8402, or skills and experience in aircrew position and aerospace medicine or physiology HM-8406, 8409 by the end of the 8th year after graduation, his or her next PCS assignment will be to a general HM-0000 billet maintaining the current HM-0000 sea/shore rotation and the HM-8401 NEC will be removed by CHNAVPERS.

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
Course: Mandatory
Sequence Code: 3
Component NEC: Related NEC: FHP LEARNING CTR
Primary Advisor: BUMED

Billet Paygrades: E5-E9
Personnel Paygrades: E5-E9
CIN: B-300-0001
475W
B-300-0005
CDP: 845E
NR Ind: N
Related NEC: Open to Women: No
Technical Advisor: BUMED
ECM: BUPERS 327

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 NAVPERS 1221/6 to PERS-4013D2 via the ECM (BUPERS 327).
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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: 8427  
Primary Advisor: BUMED  
Billet Paygrades: E5-E8  
CIN: B-300-2403  
Related NEC:  
Technical Advisor: FHP LEARNING CTR  
Personnel Paygrades: E5-E8  
CDP: 0501  
NR Ind: N  
Open to Women: No  
ECM: BUPERS 327

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 NAVPERS 1221/6 to PERS-4013D2 via the ECM (BUPERS 327).
4. Must continuously maintain Dive/Jump qualifications to retain NEC.

HM-8404 Field Medical Service Technician

Provides medical and dental services for personnel in field units. Provides technical and administrative assistance to support the mission and functions of the Navy and Marine Corps field units. Maintains organizational level AMAL’s and ADAL’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 and dental 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  
Course: Mandatory  
Sequence Code: 7  
Component NEC:  
Primary Advisor: BUMED  
Billet Paygrades: E3-E9  
CIN: B-300-0013  
B-300-0213  
Related NEC:  
Technical Advisor: FHP LEARNING CTR  
Personnel Paygrades: E3-E9  
CDP: 3387, 3388, 02FJ, 02FL  
NR Ind: A  
Open to Women: Yes  
ECM: BUPERS 327

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: BUMED  
Billet Paygrades: E3-E7  
CIN: B-300-0017  
Related NEC:  
Technical Advisor: FHP LEARNING CTR  
Personnel Paygrades: E3-E7  
CDP: 3301  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS 327
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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: BUMED  
Primary Advisor: BUMED  
Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E7  
CIN: B-322-0010  
CDP: 3374  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: FHP LEARNING CTR  
ECM: BUPERS 327

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: BUMED  
Primary Advisor: BUMED  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: B-300-0018  
CDP: 3380  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: FHP LEARNING CTR  
ECM: BUPERS 327

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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: BUMED  
Primary Advisor: BUMED  
Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E7  
CIN: B-326-1000  
CDP: 814X  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: FHP LEARNING CTR  
ECM: BUPERS 327

HM-8410 Bio-Medical Equipment Technician
Assembles, maintains, troubleshoots, aligns, and calibrates medical equipment. Calculates circuit parameters, solder, plumbing, welding, and documentation. The major emphasis is on deployable medial 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  
Course: Mandatory  
Sequence Code: 1  
Component NEC: BUMED  
Primary Advisor: BUMED  
Billet Paygrades: E4-E8  
Personnel Paygrades: E4-E8  
CIN: B-326-1000  
CDP: 02TL  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: FHP LEARNING CTR  
ECM: BUPERS 327

HM-8416 Nuclear Medicine Technologist
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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: BUMED  
Primary Advisor: BUMED  
Billet Paygrades: E4-E7  
Personnel Paygrades: E4-E7  
CIN: B-311-0016  
CDP: 468F, 468E, 468G  
NR Ind: R  
Open to Women: Yes  
Technical Advisor: FHP LEARNING CTR  
ECM: BUPERS 327
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 directs preventive medicine and industrial health surveillance programs. Provides for health education to junior medical and all nonmedical personnel. Performs 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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: BUMED  
Primary Advisor: BUMED

Billet Paygrades: E5-E9  
CIN: B-300-0019  
Related NEC:  
Technical Advisor: FHP LEARNING CTR

Personnel Paygrades: E5-E9  
CDP: 4356  
NR Ind: N  
Open to Women: Yes  
ECM: BUPERS 327

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 an evaluation of the member's operational proficiency and professional performance in accordance with the provisions of OPNAVINST 6400.1 (series). Send NAVPERS 1221/6 to PERS-4013D2 via the ECM (BUPERS 327).

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 8404  
Primary Advisor: N931

Billet Paygrades: E3-E6  
CIN: B-300-0011  
Related NEC: 8492

Personnel Paygrades: E3-E6  
CDP: 231Z  
NR Ind: R  
Open to Women: No  
ECM: BUPERS 327

NOTES:
1. NEC is awarded upon completion of all 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 NAVPERS 1221/6 to PERS-4013D2 via the ECM (BUPERS 327).
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
Course: Mandatory
Sequence Code: 4
Component NEC: BUMED
Primary Advisor: BUMED
Billet Paygrades: E3-E8
CIN: B-322-0012
Related NEC: Related NEC:
Technical Advisor: FHP LEARNING CTR
Personnel Paygrades: E3-E8
CDP: 434P
Open to Women: Yes
NR Ind: R
ECM: BUPERS 327

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
Course: Mandatory
Sequence Code: 4
Component NEC: BUMED
Primary Advisor: BUMED
Billet Paygrades: E4-E7
CIN: B-311-0022
Related NEC: Related NEC:
Technical Advisor: FHP LEARNING CTR
Personnel Paygrades: E4-E7
CDP: 230D
Open to Women: Yes
NR Ind: R
ECM: BUPERS 327

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
Course: Mandatory
Sequence Code: 4
Component NEC: BUMED
Primary Advisor: BUMED
Billet Paygrades: N/A
CIN: B-313-0025
Related NEC: Related NEC:
Technical Advisor: FHP LEARNING CTR
Personnel Paygrades: E3-E6
CDP: 434U
Open to Women: Yes
NR Ind: R
ECM: BUPERS 327

NOTES:
1. 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.
2. Member will retain this NEC for a maximum of 6 years. If member has not qualified for Advanced X-Ray Technician by the end of the 6th year of graduation, his or her next PCS assignment will be a general HM-0000 billet maintaining the current HM-0000 sea/shore rotation and the HM-8451 NEC will be removed by CHNAVPERS.
3. Per NEOCS Board action of 12 Feb 07, the personnel holding this NEC are recoded (billets only) to 8452. This NEC will be maintained for personnel distribution purposes only.
HM-8452 Advanced X-Ray Technician

<table>
<thead>
<tr>
<th>Source Rating: HM</th>
<th>Billet Paygrades: E3-E7</th>
<th>Personnel Paygrades: E3-E7</th>
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<tr>
<td>Course: Mandatory</td>
<td>CIN: B-313-0026</td>
<td>CDP: 3322, 3326</td>
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<td>Sequence Code: 3</td>
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<td>NR Ind: R</td>
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<tr>
<td>Component NEC:</td>
<td>Related NEC:</td>
<td>Open to Women: Yes</td>
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<tr>
<td>Primary Advisor:</td>
<td>BUMED</td>
<td>Technical Advisor: FHP LEARNING CTR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ECM: BUPERS 327</td>
</tr>
</tbody>
</table>

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 Technologist

<table>
<thead>
<tr>
<th>Source Rating: HM</th>
<th>Billet Paygrades: E3-E6</th>
<th>Personnel Paygrades: E3-E6</th>
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<td>Course: Mandatory</td>
<td>CIN: B-300-0043</td>
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<td>Sequence Code: 4</td>
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<td>Component NEC:</td>
<td>Related NEC:</td>
<td>Open to Women: Yes</td>
</tr>
<tr>
<td>Primary Advisor:</td>
<td>BUMED</td>
<td>Technical Advisor: FHP LEARNING CTR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ECM: BUPERS 327</td>
</tr>
</tbody>
</table>

NOTE: NEC may be assigned to inactive duty Naval Reservist who: 1) has 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.

<table>
<thead>
<tr>
<th>Source Rating: HM</th>
<th>Billet Paygrades: E3-E8</th>
<th>Personnel Paygrades: E3-E8</th>
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<tr>
<td>Course: Mandatory</td>
<td>CIN: B-311-0023</td>
<td>CDP: 3382</td>
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<td>Component NEC:</td>
<td>Related NEC:</td>
<td>Open to Women: Yes</td>
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<tr>
<td>Primary Advisor:</td>
<td>BUMED</td>
<td>Technical Advisor: FHP LEARNING CTR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ECM: BUPERS 327</td>
</tr>
</tbody>
</table>

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
Course: Mandatory
Sequence Code: 4
Component NEC: 8466
Primary Advisor: BUMED

Billet Paygrades: E3-E6
CIN: B-303-0051
Related NEC:
Technical Advisor: FHP LEARNING CTR
Open to Women: Yes
ECM: BUPERS 327
Personnel Paygrades: E3-E6
CDP: 4279, 4280, 4283, 322A, 807Q
NR Ind: R

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 neuromusculoskeletal 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
Course: Mandatory
Sequence Code: 3
Component NEC: 8466
Primary Advisor: BUMED

Billet Paygrades: E5-E7
CIN: B-303-0053
Related NEC:
Technical Advisor: FHP LEARNING CTR
Open to Women: Yes
ECM: BUPERS 327
Personnel Paygrades: E4-E7
CDP: 230L
NR Ind: R

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
Course: Mandatory
Sequence Code: 4
Component NEC: 8472
Primary Advisor: BUMED

Billet Paygrades: E4-E7
CIN: B-300-0300
Related NEC:
Technical Advisor: FHP LEARNING CTR
Open to Women: Yes
ECM: BUPERS 327
Personnel Paygrades: E4-E7
CDP: 3339
NR Ind: R

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
Course: Mandatory
Sequence Code: 4
Component NEC: 8482
Primary Advisor: BUMED

Billet Paygrades: E3-E7
CIN: B-312-0025
Related NEC:
Technical Advisor: FHP LEARNING CTR
Open to Women: Yes
ECM: BUPERS 327
Personnel Paygrades: E3-E7
CDP: 3340
NR Ind: R

Open to Women: Yes
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  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: BUMED  
Billet Paygrades: E3-E6  
CIN: B-301-0033  
B-330-0024  
CDP: 3350, 3343  
395U, 395V  
Related NEC:  
Technical Advisor: FHP LEARNING CTR  
Personnel Paygrades: E3-E6  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS 327

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: BUMED  
Billet Paygrades: E3-E5  
CIN: B-302-0046  
CDP: 681E  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS 327

HM-8486 Urology Technician

Source Rating: HM  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: BUMED  
Billet Paygrades: E3-E6  
CIN: B-300-0025  
C-300-0141  
CDP: 3359  
3573  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS 327

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: BUMED  
Billet Paygrades: E3-E6  
CIN: B-300-0141  
CDP: 3573  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS 327

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  
Course: Mandatory  
Sequence Code: 4  
Component NEC:  
Primary Advisor: CNO N931  
Billet Paygrades: E3-E6  
CIN: A-433-0020  
CDP: 3365  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS 327

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.

<table>
<thead>
<tr>
<th>Source Rating: HM</th>
<th>Billet Paygrades: E5-E9</th>
<th>Personnel Paygrades: E5-E9</th>
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<tr>
<td>Primary Advisor: BUMED</td>
<td>Technical Advisor: FHP LEARNING CTR</td>
<td>ECM: BUPERS 327</td>
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</tbody>
</table>

**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 NAVPERS 1221/6 to PERS-4013D2 via the ECM (BUPERS 327).
3. Must continuously maintain Dive qualifications to retain NEC.

**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.

<table>
<thead>
<tr>
<th>Source Rating: HM</th>
<th>Billet Paygrades: E4-E7</th>
<th>Personnel Paygrades: E3-E7</th>
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<tr>
<td>Course: See Note</td>
<td>CIN:</td>
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<td>Sequence Code: 4</td>
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<td>Component NEC:</td>
<td>Related NEC:</td>
<td>ECM: BUPERS 327</td>
</tr>
<tr>
<td>Primary Advisor: BUMED</td>
<td>Technical Advisor: FHP LEARNING CTR</td>
<td></td>
</tr>
</tbody>
</table>

**NOTES:**

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, staining, and mounting of surgically and necropsy obtained tissue for pathological examination. Maintains histopathology records and instruments. Supervises the work of less skilled technicians.

<table>
<thead>
<tr>
<th>Source Rating: HM</th>
<th>Billet Paygrades: E4-E7</th>
<th>Personnel Paygrades: E3-E7</th>
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<tr>
<td>Primary Advisor: BUMED</td>
<td>Technical Advisor: FHP LEARNING CTR</td>
<td></td>
</tr>
</tbody>
</table>
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  NR Ind: R
Component NEC: Related NEC: 8503, 8506  Open to Women: Yes
Primary Advisor: BUMED  Technical Advisor: FHP LEARNING CTR  ECM: BUPERS 327

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: Mandatory  CIN: B-311-0018  CDP: 3309, 3784
Sequence Code: 3  NR Ind: R
Component NEC: Related NEC: 8503  Open to Women: Yes
Primary Advisor: BUMED  Technical Advisor: FHP LEARNING CTR  ECM: BUPERS 327

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: Mandatory  CIN: B-300-1424  CDP: 0417
Sequence Code: 4  NR Ind: R
Component NEC: Related NEC: 9970  Open to Women: Yes
Primary Advisor: BUMED  Technical Advisor: FHP LEARNING CTR  ECM: BUPERS 327

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.

HM-8701 Dental Assistant
Perform duties as a general dental assistant to include dental infection control, dental treatment room management, preventive dentistry, comprehensive dental assisting, and intraoral radiography.

Source Rating: HM  Billet Paygrades: E3-E5  Personnel Paygrades: E1-E4
Course: Mandatory  CIN: B-300-3300  CDP: 00AM, 00AN
Sequence Code: 1  NR Ind: R
Component NEC: Related NEC: 00AM, 00AN  Open to Women: Yes
Primary Advisor: BUMED  Technical Advisor: FHP LEARNING CTR  ECM: BUPERS 327

HM-8702 Expanded Functions Dental Assistant
Perform duties as general dental assistant to include reversible operative dentistry and prosthodontic procedures, clinical infection control procedures, application of pit and fissure sealants and anti-cariogenic agents. Provide auxiliary support to dental hygienist, polishing restorations, carrier’s prevention treatments and instructions and advanced patient management and administrative skills.

Source Rating: HM  Billet Paygrades: E4-E7  Personnel Paygrades: E3-E7
Course: Mandatory  CIN: B-330-1100  CDP: 9970
Sequence Code: 1  NR Ind: A
Component NEC: Related NEC: 9970  Open to Women: Yes
Primary Advisor: BUMED  Technical Advisor: BUMED 00FMC  ECM: BUPERS 327
HM-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: HM  
Course: Mandatory  
Sequence Code: 3  
Component NEC: BUMED  
Primary Advisor: BUMED  
Billet Paygrades: E4-E7  
Personnel Paygrades: E3-E7  
CIN: B-330-0038  
CDP: 312M, 312L  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS 327

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.

HM-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: HM  
Course: Mandatory  
Sequence Code: 4  
Component NEC: BUMED  
Primary Advisor: BUMED  
Billet Paygrades: E3-E6  
Personnel Paygrades: E3-E6  
CIN: B-331-0016  
CDP: 3258  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS 327

HM-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: HM  
Course: Mandatory  
Sequence Code: 3  
Component NEC: 8752  
Primary Advisor: BUMED  
Billet Paygrades: E5-E8  
Personnel Paygrades: E4-E8  
CIN: B-331-0017  
CDP: 325A  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS 327

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.

HM-8765 Dental Laboratory Technician, Maxillofacial

Assists the maxillofacial prosthesologist 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: HM  
Course: Mandatory  
Sequence Code: 3  
Component NEC: 8753  
Primary Advisor: BUMED  
Billet Paygrades: E5-E7  
Personnel Paygrades: E4-E7  
CIN: B-331-0018  
CDP: 3314  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS 327

AVIATION INITIAL

NOTE: Selected Reserve (SELRES) personnel may earn these NECs via completion of applicable Reserve Job Qualification Requirements (RJQR) syllabus.
8800 Aviation Maintenance/Production Chief
Supervises organizational and intermediate level maintenance on the Naval aircraft, aircraft components, aircraft engines, ground support equipment and Aviators Life Support Systems.

Source Rating: AF, AT, AE, AO, AM, AD, AV, AZ, AS, AME, PR
Billet Paygrades: E7-E8
Personnel Paygrades: E7-E9
Course: Mandatory
CIN: C-4D-2013
C-600-3210
Sequence Code: 2
Component NEC:
Primary Advisor: CNO N889
Related NEC:
Technical Advisor: NAVAIR
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: Mandatory
CIN: C-601-9471 (AD)
C-602-9476 (AM)
Sequence Code: 6
Component NEC:
Primary Advisor: CNO N889
Related NEC:
Technical Advisor: NAVAIR
8806 E-2C Group II Systems Organizational Initial Maintenance Technician
Performs organizational apprentice level maintenance on the E-2C aircraft.

Source Rating: AD, AE, AT
Billet Paygrades: E3-E4
Personnel Paygrades: E3-E5
Course: Mandatory
CIN: C-102-0328 (P/L) (AT)
C-601-9134 (P/L) (AD)
C-602-0353 (P/L) (AE)
Sequence Code: 6
Component NEC:
Primary Advisor: CNO N889
Related NEC:
Technical Advisor: NAVAIR
8807 MH-60R Electronics Systems Organizational Initial Maintenance Technician
Performs avionics organizational level maintenance on the MH-60R aircraft.

Source Rating: AT, AE
Billet Paygrades: E3-E4
Personnel Paygrades: E3-E5
Course: Mandatory
CIN:
Sequence Code: 6
Component NEC:
Primary Advisor: CNO N889
Related NEC:
Technical Advisor: NAVAIR
8808 MH-60S Electronics Systems Organizational Initial Maintenance Technician
Performs avionics organizational level maintenance on the MH-60S aircraft.

Source Rating: AT, AE
Billet Paygrades: E3-E4
Personnel Paygrades: E3-E5
Course: Mandatory
CIN: C-602-0858 (P/L) (AE)
C-102-0828 (P/L) (AT)
Sequence Code: 6
Component NEC:
Primary Advisor: CNO N889
Related NEC:
Technical Advisor: NAVAIR
8805 C-2/E-2 Systems Organizational Initial Maintenance Technician
Performs organizational apprentice level maintenance on the C-2 and E-2C aircraft.

NOTES:
1. This NEC applies to Group Zero and Group II E-2C aircraft for the AM rating.
2. AD training applies to the T-56-A-425 engine.
8809 E-6B System Organizational Initial Maintenance Technician
Performs organizational apprentice level maintenance on the E-6B aircraft.

Source Rating: AT
Course: Mandatory
Sequence Code: 6
Component NEC: CNO N889
Primary Advisor: CNO N889
Technical Advisor: NAVAIR

Billet Paygrades: E3-E4
Personnel Paygrades: E3-E5
CIN: C-102-6145 (P/L)
CDP: 3549
NR Ind: A
Open to Women: Yes
ECM: BUPERS-321E

8810 EA-6B Electronic Counter Measures (ECM) System Organizational Initial Maintenance Technician
Performs organizational apprentice level maintenance on the EA-6B ECM system.

Source Rating: AT
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N889
Primary Advisor: CNO N889
Technical Advisor: NAVAIR

Billet Paygrades: E3-E4
Personnel Paygrades: E3-E5
CIN: C-102-1820 (P/L)
CDP: 962P
NR Ind: A
Open to Women: Yes
ECM: BUPERS-321E

NOTE: Secret Clearance required.

8819 P-3 Systems Organizational Initial Maintenance Technician
Performs organizational apprentice level maintenance on the P-3 aircraft.

Source Rating: AD, AE, AM, AT
Course: Mandatory
Sequence Code: 6
Component NEC: CNO N889
Primary Advisor: CNO N889
Technical Advisor: NAVAIR

Billet Paygrades: E3-E4
Personnel Paygrades: E3-E5
CIN: C-102-1029 (P/L) (AT)
C-102-1029 (P/L) (AD)
C-102-1029 (P/L) (AE)
C-102-1029 (P/L) (AM)
CDP: 579M, 962J (AT)
579N, 962L (AD)
579R, 962M (AE)
579P, 963R (AM)
NR Ind: A
Open to Women: Yes
ECM: BUPERS-321D

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
Course: Mandatory
Sequence Code: 6
Component NEC: CNO N889
Primary Advisor: CNO N889
Technical Advisor: NAVAIR

Billet Paygrades: E3-E4
Personnel Paygrades: E3-E5
CIN: C-102-1027 (P/L) (AT)
C-601-1011 (P/L) (AD)
C-602-1054 (P/L) (AE)
C-602-1081 (P/L) (AM)
CDP: 701E (AD)
701F (AE)
701G (AM)
457H
NR Ind: A
Open to Women: Yes
ECM: BUPERS-321D

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
Course: Mandatory
Sequence Code: 6
Component NEC: CNO N889
Primary Advisor: CNO N889
Technical Advisor: NAVAIR

Billet Paygrades: E3-E4
Personnel Paygrades: E3-E5
CIN: C-102-1827 (P/L) (AT)
C-601-9740 (P/L) (AD)
C-602-1853 (P/L) (AE)
C-602-9739 (P/L) (AME)
C-602-9740 (P/L) (AM)
C-601-9741
CDP: 701E (AD)
962S (AE)
701F (AME)
701G (AM)
457H
NR Ind: A
Open to Women: Yes
ECM: BUPERS-321D
AT-8840 F/A-18E/F Block 2 Avionics System Organizational Initial Maintenance Technician
Performs organizational apprentice level maintenance on the F/A-18E/F upper LOT 27, 28, 30 and above aircraft.

Source Rating: AT  
Billet Paygrades: E3-E4  
Personnel Paygrades: E3-E5  
Course: Mandatory  
CIN: C-102-0099  
CDP: 979H, 979J  
Sequence Code: 6  
NR Ind: A  
Component NEC: CNO N889  
Related NEC: 8841  
Technical Advisor: NAVAIR  
Open to Women: Yes  
ECM: BUPERS-321D

8841 F/A-18E/F Systems Organizational Initial Maintenance Technician
Performs organizational apprentice level maintenance on the F/A-18E/F aircraft.

Source Rating: AT, AE, AM, AME, AD, AO  
Billet Paygrades: E3-E4  
Personnel Paygrades: E3-E5  
Course: Mandatory  
CIN: C-102-0623 (P/L) AT  
CDP: 736S, 9278  
Billet Paygrades: E3-E4  
Personnel Paygrades: E3-E5  
Course: Mandatory  
C-102-0625 (Diff Course)  
C-601-9976 (P/L) AD  
C-601-9977 (Diff Course)  
C-602-0654 (P/L) AE  
C-602-0655 (Diff Course)  
C-602-9980 (P/L) AME  
C-602-9982 (Diff Course)  
C-603-9976 (P/L) AM  
C-603-9977 (Diff Course)  
C-646-0655 (P/L) AO  
C-646-0642 (P/L)  
736S, 9278  
283D, 401R (AD)  
623F, 9265  
767Y, 2696 (AE)  
736U, 9282  
2876, 4029 (AME)  
623G, 9270  
4033, 293V (AM)  
623J, 9271  
736X, 9325 (AO)  
265Z, 7685  
Sequence Code: 6  
NR Ind: A  
Component NEC: (See Note)  
Related NEC:  
Technical Advisor: NAVAIR  
Open to Women: Yes  
ECM: BUPERS-321D

NOTE: The F/A-18 E/F difference training pipeline requires component NEC 8842.

8842 F/A-18 A/B/C/D Systems Organizational Initial Maintenance Technician
Performs organizational apprentice level maintenance on the F/A-18 A/B/C/D aircraft.

Source Rating: AD, AE, AME, AM, AO, AT  
Billet Paygrades: E3-E4  
Personnel Paygrades: E3-E5  
Course: Mandatory  
CIN: C-102-0622 (P/L) AT  
CDP: 0363, 962V (AT)  
Billet Paygrades: E3-E4  
Personnel Paygrades: E3-E5  
Course: Mandatory  
C-601-9973 (P/L) (AD)  
1181, 700J (AD)  
C-601-0003 (P/L)  
970V, 972W  
C-602-0652 (P/L) (AE)  
0360, 962X (AE)  
C-602-9973 (P/L) (AME)  
1200, 700N (AME)  
C-603-9973 (P/L) (AM)  
1214, 700R (AM)  
C-646-0654 (P/L) (AO)  
0289, 963A (AO)  
C-646-0653 (P/L)  
0339  
Sequence Code: 6  
NR Ind: A  
Component NEC:  
Related NEC:  
Technical Advisor: NAVAIR  
Open to Women: Yes  
ECM: BUPERS-321D

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: Mandatory  
CIN: C-601-3500 (P/L) (AD)  
CDP: 701A (AD)  
CIN: C-601-3500 (P/L) (AD)  
CDP: 701A (AD)  
C-602-1952 (P/L) (AE)  
0714 (AE)  
C-603-3501 (P/L) (AM)  
701J (AM)  
Sequence Code: 6  
NR Ind: A  
Component NEC:  
Related NEC:  
Technical Advisor: NAVAIR  
Open to Women: Yes  
ECM: BUPERS-321D
8845 F-14 Initial Organizational Maintenance Technician

Course: CIN:  
Sequence Code: 6  
Component NEC: CNO N889  
Primary Advisor: Technical Advisor: NAVAIR

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: Mandatory  
CIN: C-102-0820 (P/L)  C-102-0089 (P/L)  
Sequence Code: 6  
Component NEC: CNO N889  
Primary Advisor: Technical Advisor: NAVAIR

8878 H-60 Systems Organizational Initial Maintenance Technician
Performs organizational apprentice level maintenance on all T/M/S of the H-60 aircraft.

Course: Mandatory  
CIN: C-102-0823 (P/L) (AT)  
C-102-0086 (P/L)  
C-602-0855 (P/L) (AE)  
C-602-0024 (P/L)  
C-603-9408 (P/L) (AM)  
C-603-0004 (P/L)  
C-601-9408 (P/L) (AD)  
C-601-0024 (P/L)  
Sequence Code: 6  
Component NEC: CNO N889  
Primary Advisor: Technical Advisor: NAVAIR

NOTE: Applies to SH-60F/HH-60H aircraft for AT and AE personnel.

INDIVIDUAL AUGMENTEE

90BC GWOT Support Assignment-Basic Combat Unit Member
Completion of training and experience as a Basic Combat Unit Member. Members are qualified in M16 and M9 and familiar with various small arms weapons. Graduates have also obtained a license for HMMWV and have been familiarized with other tactical vehicles. Graduates of this course have been educated in land navigation, qualified in a Ground Assault Course, Entrance Control Point procedures, Quick Reaction Force tactics, Forward Operating Base operations and can defend against a level one threat. They obtain the knowledge of identifying foreign weapons systems and their capabilities. Members are also knowledgeable of the current standards of conduct for detainee operations and detention definitions. Graduates are also Combat Life Saver qualified. Efforts lead to greater stability and security in the Global War on Terrorism.

Source Rating: OPEN  Billet Paygrades: N/A  Personnel Paygrades: E1-E9
Course: See Note 1  
CIN:  
CDP:  
Sequence Code: 9  
Component NEC: 
Related NEC: 
Primary Advisor: NECC  
Technical Advisor: ECRC

NOTES:
1. This course will be a combination of formal U.S. Army training and OJT.
2. Submit NAVPERS 1221/6, via ECRC, to PERS-4013 for award.
**90CA Expeditionary Force – Maritime Civil Affairs**

Successfully completes Maritime Civil Affairs Basic Individual Training (BIT) requirements and one full FRTP cycle assigned as a Maritime Civil Affairs Staff Planner or Team Member working in support of Civil Military Operations. Capable of conducting or supporting Civil Military and Interagency operations in permissive and non-permissive environments.

- **Source Rating:** OPEN
- **Billet Paygrades:** E3-E9
- **Course:** See Note 2
- **CIN:** See Note 2
- **Sequence Code:** 9
- **Component NEC:** Related NEC: 90CS
- **Primary Advisor:** NECC
- **Technical Advisor:** MCAG

**NOTES:**
1. All ratings.
2. This course requirement will be satisfied by formal training via Expeditionary Combat Skills (CIN: A-830-0030) or USMC School of Infantry (CIN: A-020-0020) or SEABEE Replacement Training or Maritime Civil Affairs Combat Skills Qualification course or Navy Individual Augmentee Combat Training. Followed by Maritime Civil Affairs Generalist course or formal US Army Civil Affairs course (28 days) or both Maritime Civil Affairs Operations and Planning course and Maritime Civil Affairs Operations and Interagency course.
3. Complete an operational Civil Affairs deployment.
4. Submit NAVPERS 1221/6 to PERS-4013 for award.

**90CR GWOT Support Assignment-Counter Rocket Artillery and Mortar (C-RAM)**

Completion of training in Counter Rocket Artillery and Mortar (C-RAM) (Truck Mounted CWIS) Full Platoon. Graduates will be able to perform critical tasks required for the operation and maintenance of the Forward Area Air Defense (FAAD) C41 equipment in support of Short Range Air Defense (SHORAD) weapon systems and the maneuvering forces. Efforts lead to increased security and stability in support of the Global War on Terrorism.

- **Source Rating:** OPEN
- **Billet Paygrades:** N/A
- **Course:** See Note 1
- **CIN:**
- **Sequence Code:** 9
- **Component NEC:** Related NEC: 1121, 1122, 1127
- **Primary Advisor:** NECC
- **Technical Advisor:** ECRC

**NOTES:**
1. This course will be a combination of formal U.S. Army training and OJT.
2. Submit NAVPERS 1221/6, via ECRC, to PERS-4013 for award.

**90CS Expeditionary Force - Combat Skills**

Obtains necessary individual knowledge, skills and abilities to perform basic/combat first aid, don and wear Individual Combat Equipment (ICE) and Chemical, Biological and Radiological (CBR) gear, function safely in a field and CBR Nuclear Explosive (CBRNE) environment, learn basic Land Navigation, understand basic radio communications procedures and reports, Counter-Improvised Explosive Device (C-IED) operations and conduct range live fire, missions and ammunition handling safely with minimum risk. Demonstrates, qualifies and is comfortable with both primary and secondary weapons. Performs basic movement while engaging targets, transitions from primary to secondary weapon, executes vehicle emergency egress procedures, and conducts live-fire exercises in a controlled environment. Familiar with the psycho/physiological effects induced during deadly force or life threatening confrontations and measures to effectively minimize their impact on engagement decision making during Judgement-Based Engagement Training (JET).

- **Source Rating:** See Note 1
- **Billet Paygrades:** E3-E9
- **Course:** Mandatory
- **CIN:** See Note 2
- **Sequence Code:** 9
- **Component NEC:** Related NEC: 90CA, 90ET, 90DO, 90DS, 90LG, 90NI, 90RC, 90RI
- **Primary Advisor:** NECC
- **Technical Advisor:** CSF

**NOTES:**
1. Ratings not inherently expeditionary (e.g. ET, IT, BM, EN, YN, etc.).
2. This course requirement will be satisfied by formal training via Expeditionary Combat Skills (CIN: A-830-0030) or USMC School of Infantry (CIN: A-020-0020) or SEABEE Replacement Training plus Basic Combat Skills II.
3. Submit NAVPERS 1221/6 to PERS-4013 for award.
90CD GWOT IA/ILO Training for Civil Affairs/Provincial Reconstruction, Not Deployed

Completion of training to become a member of Civil Affairs and Provincial Reconstruction Team (PRT). Eligible to receive orders in support of U.S. Army in combat zones around the world, which provide civil affairs and provincial reconstruction to assist local in-country government authorities. Provincial Reconstruction Teams assist in establishment of basic services in order to meet the needs of local populations. Efforts lead to increased local security, urban infrastructure growth and economic stability.

Source Rating: OPEN  Chin: N/A  Personnel Paygrades: E1-E9
Course: See Note 1
Sequence Code: 9
Component NEC: See Note 2  Related NEC: 90CA
Primary Advisor: ADCNO (N1B)  Technical Advisor: Pers-4

NOTES:
1. This course will be a combination of formal U.S. Army training and OJT.
2. NEC is removed when member becomes eligible for 90CA

90DO Expeditionary Force Detainee Operations GITMO

Personnel will be familiar with detainee camps standard operating procedures; unarmed self-defense; Detainee Information Management System (DIMS); Islamic cultural awareness; forced cell extractions (FCE); escort operations; and restraints application. Personnel will be capable of providing safe, humane care and custody of enemy combatants, collect intelligence for law enforcement and war crimes investigations and execute detainee operations missions in support of Joint Task Force, Guantanamo Bay, Cuba.

Source Rating: OPEN  Chin: See Note 2  Personnel Paygrades: E1-E9
Course: See Note 2
Sequence Code: 9
Component NEC:  Related NEC: 90DS
Primary Advisor: NECC  Technical Advisor: NEGB

NOTES:
1. All ratings.
2. This course requirement will be satisfied by formal U.S. Army training via Fort Lewis, Washington. Personnel will undergo 19 day company, platoon, and squad level training model that includes a one day detainee camp operations Situational Training Exercise (STX) per camp immediately followed by two additional days of Mission Readiness Exercise (MRX) in each camp for a total of nine days of STX/MRX for the company. Completed indoctrination and screening at CBC Gulfport, MS and Detention Operations Training by U.S. Army in Fort Lewis, Washington for permanent or temporary duty at Navy Expeditionary Guard Battalion, Guantanamo Bay, Cuba.
3. 6 months OJT required for NEC.
4. Submit NAVPERS 1221/6 to PERS-4013 for award.

90DP GWOT IA/ILO Detainee Operations-Alternate

GWOT IA/ILO personnel receiving orders, via the U.S. Army Detainee Operations Training Center, to perform detainee operations at Fort Suse, Iraq, or Guantanamo Bay, Cuba. Sailors that have NOT done a “boots on the ground” tour can earn this NEC.

Source Rating: OPEN  Chin: N/A  Personnel Paygrades: E1-E9
Course: See Note
Sequence Code: 9
Component NEC:  Related NEC: 90DO
Primary Advisor: ADCNO (N1B)  Technical Advisor: Pers-4

NOTES:
1. This course will be a combination of formal U.S. Army training and OJT.
2. Submit NAVPERS 1221/6, via ECRC, to PERS-4013 for award.
90DS Expeditionary Force Detainee/Confinement Operations - Deployed
Training and experience in U.S. Army Detainee Operations Training Center, to perform confinement operations in forward deployed locations, other than Guantanamo Bay, Cuba. Upon completion, personnel will be familiar with detainee camps standard operating procedures; unarmed self-defense; Detainee Information Management System (DIMS); Islamic cultural awareness; forced cell extractions (FCE); escort operations; and restraints application. Personnel will be capable of providing safe, humane care and custody of enemy combatants, collect intelligence for law enforcement and war crimes investigations and execute detainee operations missions.

Course: See Note 2  CIN: See Note 2  CDP:
Sequence Code: 9  NR Ind: A
Component NEC:  Related NEC:  Open to Women: Yes
Primary Advisor: NECC  Technical Advisor: ECRC  ECM: BUPERS-325

NOTES:
1. All ratings.
2. This course requirement will be satisfied by on-the-job and formal training to include Expeditionary Combat Skills (CIN: A-830-0030) or USMC School of Infantry (CIN: A-020-0020) or SEABEE Replacement Training or Navy Individual Augmentee Combat Training. Followed by Formal U.S Army Detainee Operations Training at FT Bliss and FT Lewis.
3. 6 months OJT required for NEC.
4. Submit NAVPERS 1221/6 to PERS-4013 for award.

90DT GWOT IA/ILO Confinement Operations - Non Deployed
GWOT IA/ILO personnel receiving orders, via the U.S. Army Detainee Operations Training Center, to perform confinement operations at Fort Suse, Iraq or Guantanamo Bay, Cuba. Sailors that have NOT done a “boots on the ground” tour can earn this NEC.

Source Rating: OPEN  Billet Paygrades: N/A  Personnel Paygrades: E1-E9
Course: See Note 1  CIN:  CDP: NR Ind: N
Sequence Code: 9
Component NEC: N/A  Related NEC: 90DS, 9575, 2008  Open to Women: Yes
Primary Advisor: ADCNO (N1B)  Technical Advisor: Pers-4  ECM: Pers 40

NOTES:
1. This course will be a combination of formal U.S. Army training and OJT.
2. Submit NAVPERS 1221/6, via ECRC, to PERS-4013 for award.

90ES GWOT IA/ILO Embedded Military Mobile Training Team, Not Deployed
Completion of training to become member of Embedded Military Mobile Training Team. U.S. Navy GWOT IA/ILO personnel eligible to receive orders in support of U.S. Army to combat zones around the world, which provide military training to in-country government security forces. Embedded Military Mobile Training Teams assist government security force efforts to increase regional stability to support local populations and stabilize infrastructure growth.

Source Rating: OPEN  Billet Paygrades: N/A  Personnel Paygrades: E1-E9
Course: See Note 1  CIN:  CDP: NR Ind: A
Sequence Code: 9
Component NEC: See Note 2  Related NEC: 90ET  Open to Women: Yes
Primary Advisor: ADCNO (N1B)  Technical Advisor: Pers-4  ECM: Pers 40

NOTES:
1. This course will be a combination of formal U.S. Army training and OJT.
2. NEC is removed when member becomes eligible for 90ET
90ET Expeditionary Security Force Advisor/Trainer
Training and experience as a member of a foreign military Mobile Training Team (MTT)/Embedded Training Team (ETT), deployed to provide support of COCOM Security Force Assistance (SFA), Security Assistance (SA) and Security Cooperation (SC) programs. Assists in Partner Nation (PN) development in basic to intermediate level skills inherent to internal security and stability.

Source Rating: OPEN  
Billet Paygrades: E3-E9  
Personnel Paygrades: E1-E9  
Course: Mandatory  
CIN: See Note 2  
Sequence Code: 9  
NR Ind: A  
Component NEC:  
Related NEC: 90CS  
Open to Women: Yes  
Primary Advisor: NECC  
Technical Advisor: ETC  
ECM: BUPERS-325

NOTES:
1. All ratings.
2. This course requirement will be satisfied by completion of either Embedded Training Team pipeline training or completion of Expeditionary Training Command (4587A) training requirements.
3. Submit NAVPERS 1221/6 to PERS-4013 for award.

90IE Riverine Patrol Boat Operator/Crewman
Performs as a Riverine Combatant Crewman tactical coxswain, the basic operation and maintenance of various Riverine Patrol Craft while assigned to a Riverine Squadron. Operates from riverine and other restricted water areas. Emphasis on small boat safety, handling, operation, navigation, communications, maintenance, tactical employment and other individual and collective skills unique to the Riverine Craft operations throughout the spectrum of riverine warfare missions within Riverine Force.

Source Rating: OPEN  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
Course: See Note 2  
CIN: See Note 2  
Sequence Code: 3  
NR Ind: A  
Component NEC:  
Related NEC: 90CS  
Open to Women: No  
Primary Advisor: NECC  
Technical Advisor: RIVGRU/CSF  
ECM: BUPERS-325

NOTES:
1. All ratings.
2. This course requirement will be satisfied by on-the-job and formal training to include Expeditionary Combat Skills (CIN: A-830-0030) or USMC School of Infantry (CIN: A-020-0020) or SEABEE Replacement Training plus Basic Combat Skills II. Followed by Riverine Crewman Level II Coxswain O & T course (CIN: A-062-0052).
3. 1 year OJT for NEC.
4. Submit NAVPERS 1221/6 to PERS-4013 for award.

90IF Riverine Small Craft Maritime Interdiction Operations
Perform basic and advanced Maritime Interdiction Operations (MIO), Equipment Familiarization, Boarding Techniques and the use of Force Continuum, Deadly Force Restrictions and Guidelines Effective Communications Procedures, Combative Tactics, Immediate Action Drills (SOPS) MIO Team Tactics and Firearms procedures and proficiency, Combat Medicine, Mission Planning, Detainee/Prisoner Handling procedures, Craft Familiarization, Full mission Profile scenarios (night/day), Human Intelligence collection procedures, Close Quarters Combat.

Source Rating: OPEN  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
Course: See Note 2  
CIN: See Note 2  
Sequence Code: 6  
NR Ind: A  
Component NEC:  
Related NEC: 90CS  
Open to Women: No  
Primary Advisor: NECC  
Technical Advisor: RIVGRU/CSF  
ECM: BUPERS-325

NOTES:
1. All ratings.
2. This course requirement will be satisfied by on-the-job and formal training to include Expeditionary Combat Skills (CIN: A-830-0030) or USMC School of Infantry (CIN: A-020-0020) or SEABEE Replacement Training plus Basic Combat Skills II. Followed by Riverine Small Craft Maritime Interdiction Operations Team Trainer - Advanced course (CIN: A-840-0397).
3. 1 year OJT for NEC.
4. Submit NAVPERS 1221/6 to PERS-4013 for award.
90IM GWOT IA/ILO Intelligence Support, Not Deployed
Completion of training in order to become member of an Intelligence Support Team. GWOT IA/ILO personnel completing training orders to support U.S. Army, in combat zones around the world, which provide intelligence analysis and tactical support in the prosecution of the Global War on Terror, will earn this NEC. Intelligence provides useful information for commander’s at the tactical and operational levels in conflict. Intelligence analysis is crucial to success in combat operations.

Source Rating: OPEN  Billet Paygrades: N/A  Personnel Paygrades: E1-E9
Course: See Note  CIN:  CDP:
Sequence Code: 9  
Component NEC: See Note  Related NEC: 90IN  Open to Women: Yes
Primary Advisor: ADCNO (N1B)  Technical Advisor: Pers-4  ECM: Pers 40

NOTES:
1. This course will be a combination of formal U.S. Army training and OJT.
2. NEC is removed when member becomes eligible for 90IN

90IN GWOT IA/ILO Intelligence Support
Training and experience as a member of Intelligence Support Team. GWOT IA/ILO personnel executing orders in support of U.S. Army, in combat zones around the world, which provide intelligence analysis and tactical support in the prosecution of the Global War on Terror, will earn this NED. Intelligence provides useful information for commanders at the tactical and operation levels in conflict. Intelligence analysis is crucial to success in combat operations.

Source Rating: OPEN  Billet Paygrades: N/A  Personnel Paygrades: E1-E9
Course: See Note  CIN:  CDP:
Sequence Code: 9  
Component NEC: N/A  Related NEC: 90IM  Open to Women: Yes
Primary Advisor: ADCNO (N1B)  Technical Advisor: Pers-4  ECM: Pers 40

NOTE: This course will be a combination of formal U.S. Army training and OJT.

90IT GWOT IA/ILO Detainee Operations Interrogator
Training and experience as an interrogator for detainee operations. GWOT IA/ILO personnel executing orders in support of U.S. operations for handling detainee interrogation procedures. Efforts are critical to future prosecution of the Global War on Terror.

Source Rating: OPEN  Billet Paygrades: N/A  Personnel Paygrades: E1-E9
Course: See Note  CIN:  CDP:
Sequence Code: 9  
Component NEC: N/A  Related NEC: 90IU  Open to Women: Yes
Primary Advisor: ADCNO (N1B)  Technical Advisor: Pers-4  ECM: Pers 40

NOTE: This course will be a combination of formal U.S. Army training and OJT.

90IU GWOT IA/ILO Detainee Operations Interrogator Trainee
Training completed to become an interrogator for detainee operations. GWOT IA/ILO personnel who have completed training in support of U.S. operations for handling detainee interrogation procedures. Interrogation training is critical to future prosecution of the Global War on Terror.

Source Rating: OPEN  Billet Paygrades: N/A  Personnel Paygrades: E1-E9
Course: See Note 1  CIN:  CDP:
Sequence Code: 9  
Component NEC: See Note 2  Related NEC: 90IT  Open to Women: Yes
Primary Advisor: ADCNO (N1B)  Technical Advisor: Pers-4  ECM: Pers 40

NOTES:
1. This course will be a combination of formal U.S. Army training and OJT.
2. NEC is removed when member becomes eligible for 90IT.
### 90LG Expeditionary Force Logistic Support - Deployed

Training and experience as a member of a forward deployed Expeditionary Logistics Support team, in combat zones around the world, which provides logistic requirements to theater commander operations. Expeditionary Logistic Support Technicians perform duties to meet procurement, maintenance and transportation of military material, facilities and personnel.

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<tbody>
<tr>
<td>Course: Mandatory</td>
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<td>Component NEC:</td>
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<tr>
<td>Primary Advisor: NECC</td>
<td>Technical Advisor: NAVELSG TEU</td>
<td>ECM: BUPERS-325</td>
</tr>
</tbody>
</table>

**NOTES:**
1. All ratings.
2. Expeditionary Combat Skills (CIN A-830-0030) or Basic Cargo Handling (CIN G-060-2010) or Basic Air Cargo Handling (CIN G-060-2030) or Advanced Cargo Handling (CIN G-060-2020) or Advanced Air Cargo Handling (CIN G-060-2102) or Cargo Supervisor (CIN G-060-2040) or pre-deployment training by Expeditionary Logistics Support Group.
3. A forward deployment with a NMCB, Logistic Support Unit or Expeditionary Support Unit will be considered OJT for NEC.
4. Submit NAVPERS 1221/6 to PERS-4013 for award.

### 90LS Expeditionary Force Logistic Support - Not Deployed

Training and experience as a member of an Expeditionary Logistics Support team, which provides logistic requirements to theater commander operations. Expeditionary Logistic Support technicians perform duties to meet procurement, maintenance and transportation of military material, facilities and personnel.

<table>
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<tr>
<td>Course: Mandatory</td>
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<td>Primary Advisor: NECC</td>
<td>Technical Advisor: NAVELSG TEU</td>
<td>ECM: BUPERS-325</td>
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</table>

**NOTES:**
1. All ratings.
2. Expeditionary Combat Skills (CIN A-830-0030) or Basic Cargo Handling (CIN G-060-2010) or Basic Air Cargo Handling (CIN G-060-2030) or Advanced Cargo Handling (CIN G-060-2020) or Advanced Air Cargo Handling (CIN G-060-2102) or Cargo Supervisor (CIN G-060-2040) or pre-deployment training by Expeditionary Logistics Support Group.
3. NEC is removed when member becomes eligible for 90LG.
4. Service in a NMCB, Logistic Support Unit or Expeditionary Support Unit will be considered OJT, 1 year required for NEC.
5. Submit NAVPERS 1221/6 to PERS-4013 for award.

### 90MM GWOT IA/ILO Multi-National Force, Not Deployed

Completion of training to become member of Multi-National Force. GWOT IA/ILO personnel completing training orders to support a Multi-National Force Commander, in combat zones around the world, which provide manpower for the Global War on Terrorism.

<table>
<thead>
<tr>
<th>Source Rating: OPEN</th>
<th>Billet Paygrades: N/A</th>
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<td>Component NEC:</td>
<td>Related NEC: 90MN</td>
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<tr>
<td>Primary Advisor: ADCNO (N1B)</td>
<td>Technical Advisor: Pers-4</td>
<td>ECM: Pers 40</td>
</tr>
</tbody>
</table>

**NOTES:**
1. This course will be a combination of formal U.S. Army training and OJT.
2. NEC is removed when member becomes eligible for 90MN.
90MN Individual GWOT IA/ILO Multi-National Force
Training and experience as a member of a Multi-National Force. GWOT IA/ILO personnel executing orders in support of Multi-National Force Commander in combat zones around the world, which provide manpower in the Global War on Terrorism.

Source Rating: OPEN  
Billet Paygrades: N/A  
Personnel Paygrades: E1-E9  
Course: See Note  
CIN:  
CDP:  
Sequence Code: 9  
Component NEC: N/A  
Related NEC:  
Open to Women: Yes  
Primary Advisor: ADCNO (N1B)  
Technical Advisor: Pers-4  
ECM: Pers 40

NOTE: This course will be a combination of formal U.S. Army training and OJT.

90MP GWOT Support Assignment-Military Police (Law and Order Specialist)
Completion of training and experience as military police. Members will obtain skills in communications, intelligence gathering, traffic control and checkpoints, and law enforcement tasks. Efforts lead to increased local security, urban infrastructure growth and economic stability.

Source Rating: OPEN  
Billet Paygrades: N/A  
Personnel Paygrades: E1-E9  
Course: See Note 1  
CIN:  
CDP:  
Sequence Code: 9  
Component NEC:  
Related NEC:  
Open to Women: Yes  
Primary Advisor: NECC  
Technical Advisor: ECRC  
ECM: Pers 4G

NOTES:
1. This course will be a combination of formal U.S. Army training and OJT.
2. Submit NAVPERS 1221/6, via ECRC, to PERS-4013 for award.

90MT GWOT Support Assignment-Military Transition Team/Iraq Assistance Group
Completion of training as a member of the Military Transition Team in the Iraq Assistance Group Mission. Team members have been educated to understand and mentor Iraqi Forces in the goal of developing the Iraqi Security Forces for security of their country. Team members are knowledgeable in various aspects of Mid-East and Iraqi culture and ways of life, including the procedures of the Iraqi soldiers and military. Members obtain tactical techniques in dealing with detainees. MTT’s are certified Field Ordering Officers and Paying Agents. Military Transition Teams are knowledgeable in the latest IED trends in teaching ISF to defeat those threats. Efforts lead to increased local security, urban infrastructure growth, and economic stability in support of the Global War on Terrorism.

Source Rating: OPEN  
Billet Paygrades: N/A  
Personnel Paygrades: E1-E9  
Course: See Note 1  
CIN:  
CDP:  
Sequence Code: 9  
Component NEC:  
Related NEC: 90ET  
Open to Women: Yes  
Primary Advisor: NECC  
Technical Advisor: ECRC  
ECM: Pers 46

NOTES:
1. This course will be a combination of formal U.S. Army training and OJT.
2. Submit NAVPERS 1221/6, via ECRC, to PERS-4013 for award.

90NI GWOT IA/ILO Combat Training (NIACT)-Deployed
GWOT IA/ILO personnel receiving orders to support the U.S. Army in combat zones around the world are provided combat survival skills training in convoy operations, forward operating base force protection, security procedures and urban combat operations. Sailors must have done a “boots on the ground” tour to earn this NEC.

Source Rating: OPEN  
Billet Paygrades: N/A  
Personnel Paygrades: E1-E9  
Course: See Note  
CIN:  
CDP:  
Sequence Code: 9  
Component NEC: N/A  
Related NEC: 90NJ  
Open to Women: Yes  
Primary Advisor: ADCNO (N1B)  
Technical Advisor: Pers-4  
ECM: Pers 40

NOTES:
1. This course will be a combination of formal U.S. Army training and OJT.
2. Submit NAVPERS 1221/6, via ECRC, to PERS-4013 for award.
**90NJ GWOT IA/ILO Combat Training (NIACT)-Not Deployed**

GWOT IA/ILO personnel receiving orders to support the U.S. Army in combat zones around the world are provided combat survival skills training in convoy operations, forward operating base force protection, security procedures, and urban combat operations. Sailors that have NOT done a “boots on the ground” tour can earn this NEC.

**Source Rating:** OPEN  
**Billet Paygrades:** N/A  
**Personnel Paygrades:** E1-E9

**Course:** See Note  
**CIN:**  
**CDP:**

**Sequence Code:** 9  
**Component NEC:** N/A  
**Related NEC:** 90NI  
**Open to Women:** Yes

**Primary Advisor:** ADCNO (N1B)  
**Technical Advisor:** Pers-4  
**ECM:** Pers 40

**NOTES:**
1. This course will be a combination of formal U.S. Army training and OJT.
2. Submit NAVPERS 1221/6, via ECRC, to PERS-4013 for award.

**90SI Individual GWOT IA/ILO Signal Intelligence Gathering**

Training and experience as a member of the Signal Intelligence Team will be awarded this NEC. GWOT IA/ILO personnel executing orders in support of the U.S. Army, in combat zones around the world, which provide signal intelligence gathering capabilities in the execution of the Global War on Terror, will earn this NEC. Signal Intelligence provides useful information for commanders at the tactical, operational, and strategic levels in conflict. Efforts to exploit signal gathering are crucial to success in intelligence analysis.

**Source Rating:** OPEN  
**Billet Paygrades:** N/A  
**Personnel Paygrades:** E1-E9

**Course:** See Note  
**CIN:**  
**CDP:**

**Sequence Code:** 9  
**Component NEC:** N/A  
**Related NEC:** 90SJ  
**Open to Women:** Yes

**Primary Advisor:** ADCNO (N1B)  
**Technical Advisor:** Pers-4  
**ECM:** Pers 40

**NOTES:**
1. This course will be a combination of formal U.S. Army training and OJT.
2. NEC is removed when member becomes eligible for 90SI

**90SN Individual GWOT IA/ILO Special Operations Support, Not Deployed**

Completion of training to be a member of a Special Operations Support Team will be awarded this NEC. GWOT IA/ILO personnel receive training to support the U.S. Army, in combat zones around the world, which provide signal intelligence gathering capabilities in the execution of the Global War on Terror. Signal Intelligence provides useful information for commanders at the tactical, operational, and strategic levels in conflict. Efforts to exploit signal gathering are crucial to success in intelligence analysis.

**Source Rating:** OPEN  
**Billet Paygrades:** N/A  
**Personnel Paygrades:** E1-E9

**Course:** See Note  
**CIN:**  
**CDP:**

**Sequence Code:** 9  
**Component NEC:** See Note  
**Related NEC:** 90SI  
**Open to Women:** Yes

**Primary Advisor:** ADCNO (N1B)  
**Technical Advisor:** Pers-4  
**ECM:** Pers 40

**NOTES:**
1. This course will be a combination of formal U.S. Army training and OJT.
2. NEC is removed when member becomes eligible for 90SI

**90SP Individual GWOT IA/ILO Special Operations Support, Not Deployed**

Completion of training to be a member of a Special Operations Support Team will be awarded this NEC. GWOT IA/ILO personnel complete training orders in support of U.S. Special Operations, in combat zones around the world, which provide logistic and other types of support to theater operations will earn the NEC. Special Operation support technicians perform duties in order to meet procurement, maintenance, and transportation of special operations material, facilities, and personnel.

**Source Rating:** OPEN  
**Billet Paygrades:** N/A  
**Personnel Paygrades:** E1-E9

**Course:** See Note  
**CIN:**  
**CDP:**

**Sequence Code:** 9  
**Component NEC:** N/A  
**Related NEC:** 90SP  
**Open to Women:** Yes

**Primary Advisor:** ADCNO (N1B)  
**Technical Advisor:** Pers-4  
**ECM:** Pers 40

**NOTE:** This course will be a combination of formal U.S. Army training and OJT.
90SP Individual GWOT IA/ILO Special Operations Support Team
Training and experience as a member of a Special Operations Team. GWOT IA/ILO personnel executing orders in support of U.S. Special Operations, in combat zones around the world, which provide logistic and other types of support of theater operations, will earn the NEC. Special Operation support technicians perform duties in order to meet procurement, maintenance and transportation of special operations material, facilities and personnel.

Source Rating: OPEN  Billet Paygrades: N/A  Personnel Paygrades: E1-E9
Course: See Note 1  CIN:  CDP:  NR Ind: N
Sequence Code: 9  Related NEC:  90SN  Open to Women: Yes
Component NEC: See Note 2  Technical Advisor: Pers-4  ECM: Pers 40
Primary Advisor: ADCNO (N1B)  CDP:  CIN:

NOTES:
1. This course will be a combination of formal U.S. Army training and OJT.
2. NEC is removed when member becomes eligible for 90SN.

90UE GWOT Support Assignment-Shadow Unmanned Aircraft System (UAS) Electronics Maintenance Specialist
Completion of training and experience as a Shadow Unmanned Aircraft System (UAS) Electronic Maintenance Specialist. Members obtain the skills required to effectively perform maintenance, inspections, assembly, disassembly, troubleshooting, use of Shadow Unmanned Aircraft System (UAS) special tools and test equipment to include direct support level electronic repair. Member also conducts maintenance/repair on launch/recovery equipment, mission planning station, ground control stations, ground data terminal, air vehicle avionics, airborne data relay, day camera and FLIR modular mission payloads, and electronics. Efforts lead to increased security and stability in support of the Global War on Terrorism.

Source Rating: OPEN  Billet Paygrades: N/A  Personnel Paygrades: E1-E9
Course: See Note 1  CIN:  CDP:  NR Ind: A
Sequence Code: 9  Related NEC:  8361  Open to Women: Yes
Component NEC:  Technical Advisor: ECRC  ECM: Pers 46
Primary Advisor: NECC  CIN: See Note 2  CDP:

NOTES:
1. This course will be a combination of formal U.S. Army training and OJT.
2. Submit NAVPERS 1221/6, via ECRC, to PERS-4013 for award.

90UN Expeditionary Force - Unmanned Systems (UAV/USV/USG) Maintenance
Training and experience in unmanned system (UAV/USV/USG) Maintenance. Member obtains the skills and knowledge to troubleshoot and repair the UAV/USV/USG control systems, fuel systems, electrical systems, launcher associated ground support equipment, and power plant (mechanical engine).

Course: Mandatory  CIN: See Note 2  CDP:  NR Ind: A
Sequence Code: 9  Related NEC:  90CS, 90UV  Open to Women: Yes
Component NEC:  Technical Advisor: MESF/RIVGRU  ECM: BUPERS-325
Primary Advisor: NECC  CIN:

NOTES:
1. All ratings
2. This course requirement will be satisfied by on-the-job and formal training to include Expeditionary Combat Skills (CIN: A-830-0030) or USMC School of Infantry (CIN: A-020-0020) or SEABEE Replacement Training or Navy Individual Augmentee Combat Training.
3. 1 year OJT for NEC
4. Submit NAVPERS 1221/6 to PERS-4013 for award.
90UV Expeditionary Force - Unmanned Systems (UAV/USV/USG) Operator
Conducts reconnaissance and surveillance missions; operate sensors for target detection; plan and analyze flight missions; deploy and re-deploy
ground and air systems; operate and perform operator level maintenance; assembly and disassembly on communication equipment, power sources,
light wheeled vehicles, ground control stations, ground data terminals, portable ground control stations, portable ground data terminals, transport,
launch and recovery trailer, tactical landing system.

Course:  Mandatory  CIN: See Note 2  CDP:
Sequence Code: 9  CDP:
Component NEC:  Related NEC: 90CS, 90UN  Open to Women: Yes
Primary Advisor: NECC  Technical Advisor: MESF/RIVGRU  ECM: BUPERS-325

NOTES:
1. All ratings
2. This course requirement will be satisfied by on-the-job and formal training to include Expeditionary Combat Skills (CIN: A-830-0030) or
USMC School of Infantry (CIN: A-020-0020) or SEABEE Replacement Training or Navy Individual Augmentee Combat Training.
3. 1 year OJT for NEC.
4. Submit NAVPERS 1221/6 to PERS-4013 for award.

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  Billet Paygrades: E5-E8  Personnel Paygrades: E5-E8
Course:  Mandatory  CIN: A-231-0076  CDP: 477S
Sequence Code: 4  CDP:
Component NEC:  Related NEC:  Open to Women: Yes
Primary Advisor: CNO N2  Technical Advisor: NETWARCOM N1B  ECM: BUPERS-326

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 II and antenna maintenance.

Source Rating: CTM  Billet Paygrades: E3-E7  Personnel Paygrades: E3-E8
Course:  Mandatory  CIN: A-102-0054  CDP: 745Y
Sequence Code: 4  CDP:
Component NEC:  Related NEC:  Open to Women: Yes
Primary Advisor: CNO N2  Technical Advisor: NETWARCOM N1B  ECM: BUPERS-326

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  Billet Paygrades: E5-E7  Personnel Paygrades: E5-E8
Course:  Mandatory  CIN: A-231-0096  CDP: 713Y
Sequence Code: 3  CDP:
Component NEC:  Related NEC:  Open to Women: Yes
Primary Advisor: CNO N2  Technical Advisor: NETWARCOM N1B  ECM: BUPERS-326

NOTE: Requires TS clearance based on SSBI with SCI access.
CTR-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  
Course: Mandatory  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E8  
CDP: 367Y  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-326

CT-9132 Afloat Cryptologic Manager
Supervises SSEE, SRS-1 personnel and equipment.

Source Rating: CTR  
Course: Mandatory  
Billet Paygrades: E7-E8  
Personnel Paygrades: E7-E8  
CDP: 0096  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-326

CT-9134 Subsurface Augmentee Operator
Operates subsurface systems, applying complex intercept techniques and prescribed recording and reporting procedures.

Source Rating: CTR, CTI  
Course: See Note  
Billet Paygrades: E3-E8  
Personnel Paygrades: E3-E8  
CDP:  
NR Ind: R  
Open to Women: No  
ECM: BUPERS-326

CT-9135 Subsurface Augmentee ELINT Operator
Operates the WSQ-5 system, applying complex intercept techniques and prescribed recording and reporting procedures.

Source Rating: CTT  
Course: See Note  
Billet Paygrades: E3-E8  
Personnel Paygrades: E3-E8  
CDP:  
NR Ind: R  
Open to Women: No  
ECM: BUPERS-326

NOTE: NEC is earned through local PQS/JQR programs.

CT-9136 Tactical Exploitation System (TES) Operator

Source Rating: CTR  
Course: Mandatory  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CDP: 630R  
NR Ind: N  
Open to Women: Yes  
ECM: BUPERS-326

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  
Course: Mandatory  
Billet Paygrades: E4-E7  
Personnel Paygrades: E4-E7  
CDP: 3859  
NR Ind: R  
Open to Women: Yes  
ECM: BUPERS-326

NOTE: NEC is earned through local PQS/JQR programs.
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
- Course: Mandatory
- Sequence Code: 3
- Component NEC: CNO N2
- Related NEC: Technical Advisor: NETWARCOM N1B
- Primary Advisor: CNO N2
- Billet Paygrades: E5-E9
- Personnel Paygrades: E5-E9
- CIN: A-231-0016
- CDP: 916P, 644U
- NR Ind: R
- Open to Women: Yes
- ECM: BUPERS-326

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
- Course: Mandatory
- Sequence Code: 3
- Component NEC: CNO N2
- Related NEC: Technical Advisor: NETWARCOM N1B
- Primary Advisor: CNO N2
- Billet Paygrades: E4-E7
- Personnel Paygrades: E3-E7
- CIN: A-232-0451
- CDP: 028Y
- NR Ind: N
- Open to Women: Yes
- ECM: BUPERS-326

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
- Course: Mandatory
- Sequence Code: 3
- Component NEC: CNO N2
- Related NEC: Technical Advisor: NETWARCOM N1B
- Primary Advisor: CNO N2
- Billet Paygrades: E6-E8
- Personnel Paygrades: E5-E8
- CDP: 4375, 6301
- NR Ind: N
- Open to Women: Yes
- ECM: BUPERS-326

NOTE: Must have completed a tour in non-Morse operations, and completed one shore tour in Signal Search and Development. The Signal Search and Development tour must be completed immediately prior to attending A-232-0452 course.

CTR-9150 Maritime Cryptologic Systems (Ship’s Signal Exploitation Equipment – SSEE) Operator
Performs mobile cryptologic collection duties. Operates the SSEE Increment E (AN/SSQ-137) cryptologic system installed on U.S. Naval Combatants, in order to provide cryptologic combat support to warfare commanders.

- Source Rating: CTR
- Course: Mandatory
- Sequence Code: 4
- Component NEC: CNO N6
- Related NEC: Technical Advisor: NETWARCOM N1B
- Primary Advisor: CNO N6
- Billet Paygrades: E3-E6
- Personnel Paygrades: E3-E6
- CIN: A-231-0113
- CDP: 9385
- NR Ind: N
- Open to Women: Yes
- ECM: BUPERS-326

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.

- Source Rating: CTT
- Course: Mandatory
- Sequence Code: 3
- Component NEC: CNO N2C
- Related NEC: Technical Advisor: NETWARCOM N1B
- Primary Advisor: CNO N2C
- Billet Paygrades: E6-E8
- Personnel Paygrades: E6-E8
- CIN: 
- CDP: 
- NR Ind: N
- Open to Women: Yes
- ECM: BUPERS-326

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  
Course:  Mandatory  
Sequence Code:  4  
Component NEC:  CNO N2  
Primary Advisor:  CNO N2  
Billet Paygrades:  E3-E5  
Personnel Paygrades:  E3-E5  
CIN:  A-231-0044  
CDP:  6301  
Related NEC:  Open to Women:  Yes  
Technical Advisor:  NETWARCOM N1B  
ECM:  BUPERS-326

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  
Course:  Mandatory  
Sequence Code:  4  
Component NEC:  CNO N2  
Primary Advisor:  CNO N2  
Billet Paygrades:  E3-E6  
Personnel Paygrades:  E3-E7  
CIN:  Related NEC:  Open to Women:  Yes  
Technical Advisor:  NETWARCOM N1B  
NR Ind:  R  
ECM:  BUPERS-326

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, IT  
Course:  Mandatory  
Sequence Code:  4  
Component NEC:  See Note  
Primary Advisor:  CNO N2  
Billet Paygrades:  E4-E9  
Personnel Paygrades:  E4-E9  
CIN:  S-232-0140  
CDP:  659R  
NR Ind:  R  
Related NEC:  Open to Women:  Yes  
Technical Advisor:  NETWARCOM N1B  
ECM:  BUPERS-326

NOTE:  IT 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:  IT  
Course:  Mandatory  
Sequence Code:  4  
Component NEC:  CNO N2  
Primary Advisor:  CNO N2  
Billet Paygrades:  E3-E6  
Personnel Paygrades:  E3-E7  
CIN:  Related NEC:  Open to Women:  Yes  
Technical Advisor:  NETWARCOM N1B  
ECM:  BUPERS-326

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:  IT  
Course:  Mandatory  
Sequence Code:  3  
Component NEC:  CNO N2  
Primary Advisor:  CNO N2  
Billet Paygrades:  E4-E6  
Personnel Paygrades:  E4-E6  
CIN:  Related NEC:  Open to Women:  Yes  
Technical Advisor:  NETWARCOM N1B  
NR Ind:  A  
ECM:  BUPERS-326

NOTE:  Must possess a TS/SI security clearance.  NEC affects shore only.
IT-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: IT
Course: CIN:
Sequence Code: 4
Component NEC: Related NEC: Technical Advisor: NETWARCOM N1B
Primary Advisor: CNO N6, N20, N865
Billet Paygrades: E3-E7 Personnel Paygrades: E3-E7
CDP:
NR Ind: R
Open to Women: Yes
ECM: BUPERS-326

YN-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. Ready 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: YN, CTR, IT
Course: See Note
Sequence Code: 3
Component NEC: Related NEC: Technical Advisor: NETWARCOM N1B
Primary Advisor: CNO N2
Billet Paygrades: E4-E9 Personnel Paygrades: E4-E9
CDP:
NR Ind: A
Open to Women: Yes
ECM: BUPERS 328D

NOTE: To be awarded this NEC, each candidate must complete SSO course via SIPRNET at http://206.36.140.197/dia/cgi-bin/database/login.asp or JWICS access at http://136.197.162.131/dia/cgi-bin/database/login.asp and obtain Commanding Officer’s recommendation based on a minimum of six months performing SSO duties. Following completion of requirements, forward NAVPERS Form 1221 to CNO 132 via CNSG N7A.

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 (DLPT) 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. The CNO Navy Foreign Language Office (N13F) can be contacted for additional information on obtaining appropriate examinations.
2. NEC Award Criteria.
   a. CTI OBTAINING A SECOND LANGUAGE NEC: For obtaining second language NECs, 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 second 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.
3. CTI CONVERTEE OBTAINING FIRST LANGUAGE NEC: Convertees will be awarded language NECs 9201, 9203, 9209, 9211, 9212, or 9216 upon completion of the requisite Basic Language Course. Technical Advisor may authorize awarding NECs based on demonstrated language proficiency; in these cases a score of L2+/R2+ or better on a DLPT in the NEC language is required.
4. WAIVER REQUIREMENTS: Waivers for scores on a 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 requests which may exist at time of request. Request should be submitted via PERS-4013D2, info CNO N13.
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### CTI-9197 Basic Serbo-Croatian Linguist

| Source Rating: | CTI |
| Course: | See Note |
| Sequence Code: | 4 |
| Component NEC: | Related NEC: |
| Primary Advisor: | CNO N2 |
| Billet Paygrades: | E3-E9 |
| Personnel Paygrades: | E3-E9 |
| CIN: | A-232-5024 |
| CDP: | 890G |
| NR Ind: | R |
| Technical Advisor: | NETWARCOM N1B |
| Open to Women: | Yes |
| ECM: | BUPERS-326 |

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### CTI-9198 Basic Polish Linguist

| Source Rating: | CTI |
| Course: | See Note |
| Sequence Code: | 4 |
| Component NEC: | Related NEC: |
| Primary Advisor: | CNO N2 |
| Billet Paygrades: | E3-E9 |
| Personnel Paygrades: | E3-E9 |
| CIN: | |
| CDP: | |
| NR Ind: | R |
| Technical Advisor: | NETWARCOM N1B |
| Open to Women: | Yes |
| ECM: | BUPERS-326 |

**NOTE:** Course is mandatory unless applicant already possesses proficiency in the subject language. Applicant may be awarded this NEC by achieving a minimum Listening and Reading proficiency of level 2+ (L2+/R2+) on the DLPT, or level 2 on an Oral Proficiency Interview (OPI) if no DLPT exists for this language.

### CTI-9201 Basic Russian Linguist

| Source Rating: | CTI |
| Course: | See Note |
| Sequence Code: | 4 |
| Component NEC: | Related NEC: |
| Primary Advisor: | CNO N2 |
| Billet Paygrades: | E3-E9 |
| Personnel Paygrades: | E3-E9 |
| CDP: | 914F, 878A |
| NR Ind: | R |
| Technical Advisor: | NETWARCOM N1B |
| Open to Women: | Yes |
| ECM: | BUPERS-326 |

**NOTE:** Course is mandatory unless applicant already possesses proficiency in the subject language. Applicant may be awarded this NEC by achieving a minimum Listening and Reading proficiency of level 2+ (L2+/R2+) on the DLPT, or level 2 on an Oral Proficiency Interview (OPI) if no DLPT exists for this language.

### CTI-9202 Basic Tagalog Linguist

| Source Rating: | CTI |
| Course: | See Note |
| Sequence Code: | 4 |
| Component NEC: | Related NEC: |
| Primary Advisor: | CNO N2 |
| Billet Paygrades: | E3-E9 |
| Personnel Paygrades: | E3-E9 |
| CIN: | A-232-5015 |
| CDP: | 889D |
| NR Ind: | R |
| Technical Advisor: | NETWARCOM N1B |
| Open to Women: | Yes |
| ECM: | BUPERS-326 |

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### CTI-9203 Basic Spanish Linguist

| Source Rating: | CTI |
| Course: | See Note |
| Sequence Code: | 4 |
| Component NEC: | Related NEC: |
| Primary Advisor: | CNO N2 |
| Billet Paygrades: | E3-E9 |
| Personnel Paygrades: | E3-E9 |
| CDP: | 914G, 878B |
| NR Ind: | R |
| Technical Advisor: | NETWARCOM N1B |
| Open to Women: | Yes |
| ECM: | BUPERS-326 |

**NOTE:** Course is mandatory unless applicant already possesses proficiency in the subject language. Applicant may be awarded this NEC by achieving a minimum Listening and Reading proficiency of level 2+ (L2+/R2+) on the DLPT, or level 2 on an Oral Proficiency Interview (OPI) if no DLPT exists for this language.
CTI-9204 Basic French Linguist

Source Rating: CTI  
Course: See Note  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N2  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CDP: 914B, 877W  
NR Ind: R  
Technical Advisor: NETWARCOM N1B  
ECM: BUPERS-326

NOTE: Course is mandatory unless applicant already possesses proficiency in the subject language. Applicant may be awarded this NEC by achieving a minimum Listening and Reading proficiency of level 2+ (L2+/R2+) on the DLPT, or level 2 on an Oral Proficiency Interview (OPI) if no DLPT exists for this language.

CTI-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: See Notes  
Sequence Code: 3  
Component NEC: Related NEC:  
Primary Advisor: CNO N2C  
Billet Paygrades: E5-E8  
Personnel Paygrades: E4-E8  
CIN:  
CDP:  
NR Ind: N/A  
Technical Advisor: NETWARCOM N1B  
ECM: BUPERS-326

NOTES:
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: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N2  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CIN: A-232-5017  
CDP: 889F  
NR Ind: R  
Technical Advisor: NETWARCOM N1B  
ECM: BUPERS-326

NOTE: NECs may also be awarded based on DLPT L2+/R2+ or better.

CTI-9208 Basic Albanian Linguist

Source Rating: CTI  
Course: See Note  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N2  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CIN:  
CDP: 0485  
NR Ind: R  
Technical Advisor: NETWARCOM N1B  
ECM: BUPERS-326

NOTE: NECs may also be awarded based on DLPT L2+/R2+ or better.

CTI-9209 Basic Persian (Farsi) Linguist

Source Rating: CTI  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N2  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CDP: 914E, 877Z  
NR Ind: R  
Technical Advisor: NETWARCOM N1B  
ECM: BUPERS-326

NOTE: NECs may also be awarded based on DLPT L2+/R2+ or better.
CTI-9211 Basic Chinese (Mandarin) Linguist

Source Rating: CTI  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N2  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CDP: 914A, 877V  
NR Ind: R  
Technical Advisor: NETWARCOM N1B  
ECM: BUPERS-326

NOTE: NECs may also be awarded based on DLPT L2+/R2+ or better.

CTI-9212 Basic Korean Linguist

Source Rating: CTI  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N2  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CDP: 914D, 877Y  
NR Ind: R  
Technical Advisor: NETWARCOM N1B  
ECM: BUPERS-326

NOTE: NECs may also be awarded based on DLPT L2+/R2+ or better.

CTI-9213 Basic North Vietnamese Linguist

Source Rating: CTI  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N2  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CDP: 914H, 878C  
NR Ind: R  
Technical Advisor: NETWARCOM N1B  
ECM: BUPERS-326

NOTE: NECs may also be awarded based on DLPT L2+/R2+ or better.

CTI-9215 Basic Hebrew Linguist

Source Rating: CTI  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N2  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CDP: 914C, 877X  
NR Ind: R  
Technical Advisor: NETWARCOM N1B  
ECM: BUPERS-326

NOTE: NECs may also be awarded based on DLPT L2+/R2+ or better.

CTI-9216 Basic Arabic Linguist

Source Rating: CTI  
Course: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N2  
Billet Paygrades: E3-E9  
Personnel Paygrades: E3-E9  
CDP: 913Z, 877U  
NR Ind: R  
Technical Advisor: NETWARCOM N1B  
ECM: BUPERS-326

NOTE: NECs may also be awarded based on DLPT L2+/R2+ or better.

CTM-9224 Tactical Exploitation System Maintenance
Performs organizational level maintenance on the AN/SQQ-124(V) Tactical Exploitation System (COBLU 1).

Source Rating: CTM  
Course: Mandatory  
Sequence Code: 3  
Component NEC: Related NEC:  
Primary Advisor: CNO N2  
Billet Paygrades: E3-E7  
Personnel Paygrades: E3-E7  
CIN: A-102-0066  
CDP: 630Z  
NR Ind: N  
Technical Advisor: NETWARCOM N1B  
ECM: BUPERS-326
CTM-9225 AN/SSQ-137 Ship’s Signal Exploitation Equipment- SSEE Maintenance Technician
Perform mobile cryptologic maintenance duties. Maintains the SSEE Increment E (AN/SSQ-137) cryptologic system installed on U.S. Naval Combatants, in order to provide cryptologic combat support to warfare commanders.

Source Rating: CTM
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N6
Billet Paygrades: E3-E6
Personnel Paygrades: E3-E6
CIN: A-102-5888
CDP: 964T
NR Ind: N
Open to Women: Yes
ECM: BUPERS-326

CTM-9226 CLASSIC OWL Maintenance Technician
Performs preventive and basic corrective maintenance on the CLASSIC OWL equipment and subsystems.

Source Rating: CTM
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N2
Billet Paygrades: E3-E7
Personnel Paygrades: E3-E8
CIN: S-102-0139
CDP: 659P
NR Ind: R
Open to Women: Yes
ECM: BUPERS-326

CTM-9229 Submarine Carry-on Equipment Technician
Perform organizational level maintenance on submarine cryptologic carry-on equipment to include the Integrated Submarine Communications Receiving System (ISCRS) AN/ULR-21A(V), AN/USQ-149(V) and associated equipment.

Source Rating: CTM
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N2
Billet Paygrades: E3-E8
Personnel Paygrades: E3-E8
CIN: A-102-5899 (SNOOP)
A-102-0116 (ISCRS)
CDP: 967P
01NN, 02FM
NR Ind: N
Open to Women: No
ECM: BUPERS-326

CTI-9231 Basic Cryptolinguist
Possesses the ability to proficiently perform basic cryptologic language functions and missions.

Source Rating: CTI
Course: Mandatory
Sequence Code: 2
Component NEC: Related NEC:
Primary Advisor: CNO N2
Billet Paygrades: E4-E6
Personnel Paygrades: E4-E6
CIN:
CDP: 
NR Ind: A
Open to Women: Yes
Technical Advisor: NETWARCOM N1B
ECM: BUPERS-326

NOTE: Awarded through OJT.

CTI-9234 Multilingual-Cryptolinguist
Possesses the ability to proficiently perform cryptologic language analyst functions and missions in at least two languages.

Source Rating: CTI
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N2
Billet Paygrades: E5-E8
Personnel Paygrades: E4-E9
CIN:
CDP: 
NR Ind: A
Open to Women: Yes
Technical Advisor: NETWARCOM N1B
ECM: BUPERS-326

NOTE: Awarded based on more than one language proficiency based on DLPT.
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/WLR-18 (V), AN/USQ-149 (2).

Source Rating: CTM
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N871B
Primary Advisor: CNO N871B
Billet Paygrades: E3-E8
Personnel Paygrades: E3-E8
CIN: A-102-0405
CDP: 0396
NR Ind: N
Related NEC: AN/BRQ-2, AN/BRD-7, AN/WLR-18 (V), AN/USQ-149 (2)
Technical Advisor: NETWARCOM N1B
ECM: BUPERS-326

NOTE: Students must complete both CDPs to be awarded 9238 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
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N2
Primary Advisor: CNO N2
Billet Paygrades: E3-E7
Personnel Paygrades: E3-E7
CIN: A-102-0350
CDP: 367X
NR Ind: N
Related NEC: AN/BRQ-2, AN/BRD-7, AN/WLR-18 (V), AN/USQ-149 (2)
Technical Advisor: NETWARCOM N1B
ECM: BUPERS-326

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-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 subsystem, OR-357/SRS-1 VHF/UHF DT subsystem, CP-2057/SRS-1 Acquisition subsystem.

Source Rating: CTM
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N865
Primary Advisor: CNO N865
Billet Paygrades: E3-E6
Personnel Paygrades: E3-E6
CIN: A-102-0350
CDP: 367X
NR Ind: N
Related NEC: AN/BRQ-2, AN/BRD-7, AN/WLR-18 (V), AN/USQ-149 (2)
Technical Advisor: NETWARCOM N1B
ECM: BUPERS-326

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: CTM, IT
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N2
Primary Advisor: CNO N2
Billet Paygrades: E4-E7
Personnel Paygrades: E4-E8
CIN: A-102-0407
CDP: 2331
NR Ind: N
Related NEC: AN/BRQ-2, AN/BRD-7, AN/WLR-18 (V), AN/USQ-149 (2)
Technical Advisor: NETWARCOM N1B
ECM: BUPERS-326

CT-9305 Basic Digital Network Analysis
Personnel will detect, react, and recover from disruption, denial, degradation or destructive attacks against computers and computer networks. Identify and extract digital intelligence from multiple layers of computer protocols containing various types of digital information conveyed over multiple transmission technologies. This NEC identifies entry-level skills in digital network analysis training.

Source Rating: CTN
Course: Mandatory
Sequence Code: 4
Component NEC: CNO N2
Primary Advisor: CNO N2
Billet Paygrades: E1-E5
Personnel Paygrades: E1-E9
CIN: A-531-0035
CDP: 639G
NR Ind: R
Related NEC: AN/BRQ-2, AN/BRD-7, AN/WLR-18 (V), AN/USQ-149 (2)
Technical Advisor: NETWARCOM N1B
ECM: BUPERS-326D
CT-9306 Network Operations (NWO)
Personnel will utilize operating system specific tools and a variety of software packages to evaluate network vulnerabilities, control network configurations and perform system and network integration among other actions. Read, write and execute scripts in various operating system and applications to achieve desired results. This NEC identifies specific intermediate level skills in digital network analysis training.

Source Rating: CTN  Billiet Paygrades: E5-E7  Personnel Paygrades: E4-E9
Course: Mandatory  CIN: A-531-0650  CDP: 761P
Sequence Code: 3  NR Ind: R
Component NEC: 9305  Related NEC:
Primary Advisor: CNO N2  Technical Advisor: NETWARCOM N1B  ECM: BUPERS-326D

CT-9307 Network Analysis and Reporting (NAR)
Personnel will utilize specific tools, network data and a variety of software applications to perform network mapping, conduct network traffic analysis, and write/execute scripts. Identify network configurations, network site-specific operating procedures and policies from data analysis. This NEC identifies intermediate level skills in digital network analysis training.

Source Rating: CTN  Billiet Paygrades: E5-E9  Personnel Paygrades: E4-E9
Course: Mandatory  CIN: A-531-0651  CDP: 761R
Sequence Code: 3  NR Ind: R
Component NEC: 9306  Related NEC:
Primary Advisor: CNO N2  Technical Advisor: NETWARCOM N1B  ECM: BUPERS-326D

CT-9308 Navy Interactive ON-NET Operator
Navy Interactive ON-NET (ION) Operators use advanced software applications for network navigation and tactical forensic analysis.

Source Rating: CTN  Billiet Paygrades: E4-E7  Personnel Paygrades: E4-E7
Course: See Note  CIN:  CDP:
Sequence Code: 3  NR Ind: R
Component NEC: 9305  Related NEC:
Primary Advisor: CNO N2  Technical Advisor: NETWARCOM N17  ECM: BUPERS-326D

NOTE: NEC is awarded upon graduation of Windermere Section 1 Tactical Digital Forensics Training.

CT-9309 Navy Interactive ON-NET Operator Trainer
Navy Interactive ON-NET (ION) Operators mentor ION Operators and prepare them to used advanced software applications for network navigation and tactical forensic analysis.

Source Rating: CTN  Billiet Paygrades: E5-E7  Personnel Paygrades: E5-E7
Course: See Note  CIN:  CDP:
Sequence Code: 3  NR Ind: R
Component NEC: 9308  Related NEC:
Primary Advisor: CNO N2  Technical Advisor: NETWARCOM N1B  ECM: BUPERS-326D

NOTE: NEC is awarded based on demonstrated network operations proficiency and training already required.
CTI-9310-9316 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 (DLPT) 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. CNO Navy Foreign Language Office (N13F) can be contacted for additional information on obtaining appropriate examinations.

2. NEC Award Criteria.
   a. CTI OBTAINING A SECOND LANGUAGE NEC: For obtaining second language NECs, 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 second NEC is granted.
   b. CTI CONVERTEE OBTAINING FIRST LANGUAGE NEC: Convertees will be awarded language NECs 9201, 9203, 9209, 9211, 9212, or 9216 upon completion of the requisite Basic Language Course. Technical Advisor may authorize awarding NECs based on demonstrated language proficiency; in these cases a score of L2+/R2+ or better on a DLPT in the NEC language is required.

4. WAIVER REQUIREMENTS: Waivers for scores on a 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 PERS-4013D2, info CNO N13.

CTI-9310 Basic Bulgarian Linguist
Source Rating: CTI
Course: See Note
Sequence Code: 4
Component NEC: CNO N2
Primary Advisor: CNO N2
Billet Paygrades: E3-E9
Personnel Paygrades: E3-E9
CIN:
Related NEC: NETWARCOM N1B
Technical Advisor: NETWARCOM N1B
NR Ind: R
Open to Women: Yes
ECM: BUPERS-326

NOTE: Course is mandatory unless applicant already possesses proficiency in the subject language. Applicant may be awarded this NEC by achieving a minimum Listening and Reading proficiency of level 2+ (L2+/R2+) on the DLPT, or level 2 on an Oral Proficiency Interview (OPI) if no DLPT exists for this language.

CTI-9311 Basic Georgian Linguist
Source Rating: CTI
Course: See Note
Sequence Code: 4
Component NEC: CNO N2
Primary Advisor: CNO N2
Billet Paygrades: E3-E9
Personnel Paygrades: E3-E9
CIN:
Related NEC: NETWARCOM N1B
Technical Advisor: NETWARCOM N1B
NR Ind: R
Open to Women: Yes
ECM: BUPERS-326

NOTE: Course is mandatory unless applicant already possesses proficiency in the subject language. Applicant may be awarded this NEC by achieving a minimum Listening and Reading proficiency of level 2+ (L2+/R2+) on the DLPT, or level 2 on an Oral Proficiency Interview (OPI) if no DLPT exists for this language.
### CTI-9312 Basic Kurdish Linguist

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<td>Open to Women:</td>
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**NOTE:** Course is mandatory unless applicant already possesses proficiency in the subject language. Applicant may be awarded this NEC by achieving a minimum Listening and Reading proficiency of level 2+ (L2+/R2+) on the DLPT, or level 2 on an Oral Proficiency Interview (OPI) if no DLPT exists for this language.

### CTI-9313 Basic Portuguese Linguist

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<tr>
<td>ECM:</td>
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**NOTE:** Course is mandatory unless applicant already possesses proficiency in the subject language. Applicant may be awarded this NEC by achieving a minimum Listening and Reading proficiency of level 2+ (L2+/R2+) on the DLPT, or level 2 on an Oral Proficiency Interview (OPI) if no DLPT exists for this language.

### CTI-9314 Basic Romanian Linguist

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**NOTE:** Course is mandatory unless applicant already possesses proficiency in the subject language. Applicant may be awarded this NEC by achieving a minimum Listening and Reading proficiency of level 2+ (L2+/R2+) on the DLPT, or level 2 on an Oral Proficiency Interview (OPI) if no DLPT exists for this language.

### CTI-9315 Basic Ukrainian Linguist

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<tr>
<td>ECM:</td>
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</tbody>
</table>

**NOTE:** Course is mandatory unless applicant already possesses proficiency in the subject language. Applicant may be awarded this NEC by achieving a minimum Listening and Reading proficiency of level 2+ (L2+/R2+) on the DLPT, or level 2 on an Oral Proficiency Interview (OPI) if no DLPT exists for this language.
**9316 Basic Linguist**
Maintains proficiency in a foreign language.

Source Rating: (See note 1)  
Course: (See note 2)  
Sequence Code: 1  
Component NEC:  
Primary Advisor: CNO N2  
Billet Paygrades: E1-E9  
Personnel Paygrades: E1-E9  
CIN:  
Related NEC:  
Technical Advisor: NETWARCOM N1B  
NR Ind: A  
Open to Women: Yes  
CDP:  
ECM: BUPERS-326

**NOTES:**
1. NEC available for all ratings. Skill exists formally within the CTI rating and informally within other ratings.
2. NEC award based on language proficiency as measured by a Defense Language Proficiency Test (DLPT) or Oral Proficiency Interview (OPI). Sailors completing Defense Language Institute (DLI) graduation requirements, as well as non-DLI graduates scoring a minimum listening and reading proficiency of level 2+ (L2+/R2+) on DLPT, are eligible. For languages for which a DLPT does not exist, an OPI score of at least level 2 may be used.
3. Personnel awarded this NEC must recertify language proficiency annually and report results to NETPDTC.

**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: Mandatory  
Sequence Code: 3  
Component NEC: 8201  
Primary Advisor: CNO N889  
Billet Paygrades: E4-E8  
Personnel Paygrades: E4-E8  
CIN: E-050-3020 (P/L)  
Related NEC:  
Technical Advisor: NAVAIR  
NR Ind: R  
Open to Women: Yes  
CDP: 2120  
ECM: BUPERS-321E

**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  
Course: Mandatory  
Sequence Code: 4  
Component NEC: 8201  
Primary Advisor: CNO N889  
Billet Paygrades: E4-E8  
Personnel Paygrades: E3-E8  
CIN: D-050-1020 (P/L)  
Related NEC:  
Technical Advisor: NAVAIR  
NR Ind: A  
Open to Women: Yes  
CDP: 193N  
4797  
663J  
ECM: BUPERS-321E

**SPECIAL SERIES (GENERAL)**

**9501 Anti-Terrorism Training Supervisor Instructor**
Conducts command Anti-terrorism Force Protection (ATFP) training and assists the Anti-terrorism Officer (ATO) in developing and executing ATFP plans. Instructs and certifies personnel on employment of non-lethal weapons (Baton and OC pepper spray). Will instruct personnel in Armed Sentry and Security Reaction Force-basic, tactics, techniques and procedures. Instructor/Supervisor will maintain ATFP training program and assist the ATO with readiness and vulnerability assessments.

Source Rating: OPEN  
Course: Mandatory  
Sequence Code: 7  
Component NEC:  
Primary Advisor: NECC N34MA  
Billet Paygrades: E6-E9  
Personnel Paygrades: E6-E9  
CIN: A-830-0034  
Related NEC:  
Technical Advisor: CENSECFOR N5  
NR Ind: A  
Open to Women: Yes  
CDP: 746T, 746U, 99IN  
ECM: BUPERS-325E
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 counsel’s students on academic learning problems.

Source Rating: Billet Paygrades: E4-E9 Personnel Paygrades: E4-E9
Course: Mandatory CIN: A-012-1011
A-661-0108
A-661-0109
A-012-0077
E-050-0804
Sequence Code: 7
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N71 Technical Advisor: NETC 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 1221/6 to PERS-4013D2.
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 NAVPERS 1221/6 to PERS-4013D2.
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 05 TE000-AA-PLN-010/2M, NAVAIR 4790-PLN-010/2M).

Source Rating: See Note 2 Billet Paygrades: E5-E7 Personnel Paygrades: E5-E8
Course: Mandatory CIN: A-100-0058
Sequence Code: 7
Component NEC: 9526 Related NEC: Open to Women: Yes
Primary Advisor: CNO N43 Technical Advisor: NAVSEA 05, NAVAIR ECM: N13

NOTES:
1. Continued NEC qualification is per the 2M Certification Plan (NAVSEA 05 TE000-AA-PLN-010/2M, NAVAIR 4790-PLN-010/2M).
2. NEC is normally assigned to AE, AT, CTT, ET, FC, FT, GM, GSE, IC, MT, IT, STG, STS.

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: Mandatory CIN: B-570-0101
Sequence Code: 7
Component NEC: 9502 See Note Related NEC: Open to Women: Yes
Primary Advisor: CNO N889 Technical Advisor: 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


Source Rating: Mandatory
Course: Mandatory
Sequence Code: 7
Component NEC: 9502
Primary Advisor: CNO N889

Billet Paygrades: E5-E8
CIN: D-012-0001 E-012-0001
Related NEC: Technical Advisor: NAVAIR
Personnel Paygrades: E3-E9
CDP: 237X 448C
NR Ind: R
Open to Women: Yes
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: Mandatory
Course: Mandatory
Sequence Code: 7
Component NEC: 9502
Primary Advisor: CNO N7

Billet Paygrades: E5-E9
CIN: A-012-0037
Related NEC: Technical Advisor: NETC
Personnel Paygrades: E5-E9
CDP: 4060
NR Ind: R
Open to Women: Yes
ECM: N13

9509 2M Instructor/Master Inspector

2M Instructor; conducts formal training course for Micro 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 05 SE004-AK-TRS-010/2M, NAVAIR 01-1A-23) Technical Manual.

Source Rating: See Note 2
Course: Mandatory
Sequence Code: 7
Component NEC: 9502 and 9526
Primary Advisor: CNO N43, N865, N889

Billet Paygrades: E5-E7
CIN: A-100-0074 (P/L)
Related NEC: 9503 Technical Advisor: NAVAIR, NAVSEA 05
Personnel Paygrades: E5-E8
CDP: 452F, 450J, 530W, 530Y, 5310, 5312
NR Ind: A
Open to Women: Yes
ECM: N13

NOTES:
1. Continued NEC qualification is per the 2M Certification Plan (NAVSEA 05 TE000-AA-PLN-010/2M, NAVAIR 4790-PLN-010/2M).
2. NEC normally assigned to AE, AT, ET, FC, FT, GM, GSE, IC, MT, IT, STG, STS.

9510 Basic Swimming and Water Survival Instructor

Instruct basic swimming strokes and water survival to include breast, side, elementary back and American crawl strokes, survival floating, treading water, survival swimming, abandon ship procedures, auxiliary floatation devices, marine environmental hazards, rescue techniques to include spinal injury, and CPR/First Aid. Also conducts, organizes, and manages classroom and poolside classes.

Source Rating: Mandatory
Sequence Code: 6
Component NEC: 9502
Primary Advisor: NETC

Billet Paygrades: E4-E9
CIN: A-012-1014
Related NEC: 9504 Technical Advisor: NETC
Personnel Paygrades: E4-E9
CDP: 300F, 300V, 300R, 5577, 00BM
NR Ind: A
Open to Women: Yes
ECM: N13
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: Mandatory
Course: Mandatory
Sequence Code: 3
Component NEC: 9515
Primary Advisor: Pers-6

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: Mandatory
Course: Mandatory
Sequence Code: 8
Component NEC: 9516
Primary Advisor: CNO N865

9517 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: Mandatory
Course: Mandatory
Sequence Code: 3
Component NEC: 9517
Primary Advisor: NAVSEA 05

9518 Naval Leadership Development Program (NAVLEAD) Instructor

Conducts Naval Leadership Development Program (NAVLEAD) courses in Navy schools training centers and commands.

Source Rating: Mandatory
Course: Mandatory
Sequence Code: 7
Component NEC: 9518
Primary Advisor: PERS-6
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: See Note CIN: CDP:
Sequence Code: 8 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: Mandatory CIN: A-232-5072 CDP: 929G
Sequence Code: 3 NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N2 Technical Advisor: NETWARCOM N1B ECM: BUPERS-326

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: Mandatory CIN: B-302-0001 CDP: 050A
Sequence Code: 8 NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: Pers-6 Technical Advisor: Pers-4010C ECM: N13

9525 Ammunition Inventory Management Specialist
Requisition, receive, inspect, store and issue ammunition; make reports for excesses, shortage or damages; conduct inventories; reconcile and post discrepancies; prepare and maintain Ammunition Transaction Reports (ATR) or Transaction Item Reports (TIR) as required; inspect compliance with directives and reports applicable to Notice of Ammunition Reclassification (NAR).

Source Rating: See Note Billet Paygrades: E5-E9 Personnel Paygrades: E5-E9
Course: Mandatory CIN: A-041-0040 CDP: 8175, 9098
Sequence Code: 3 NR Ind: A
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N4 Technical Advisor: NAVSUP ECM: PERS 4011D15

NOTE: Optimal ratings are AO, AW, FC, GM, MA, and MN. NEC 9525 will only be assigned to the MA rating as an option when all other optimal ratings are not assigned to the command.
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 NAVSEA 05INST 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 05 SE004-AK-TRS-010/2M, NAVAIR 01-1A-23) Technical Manual.

Source Rating: See Note 2
Course: Mandatory
Billet Paygrades: E4-E6
Personnel Paygrades: E3-E6
CIN: A-100-0073
CDP: 092Y, 093Y, 452E, 439U, 769H, 8706
Sequence Code: 7
Component NEC: 9527
Primary Advisor: CNO N43
Related NEC:
Technical Advisor: NAVSEA 05, NAVAIR
ECM: N13

NOTES:
1. Continued NEC qualification requires recertification per the 2M Certification Plan (NAVSEA 05 TE000-AA-PLN-010/2M, NAVAIR 4790-PLN-010/2M).
2. NEC is normally assigned to AE, AT, CTT, ET, FC, FT, GM, GSE, IC, MT, IT, STG, STS, MN.

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 NAVSEA 05INST 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 05 SE004-AK-TRS-010/2M, NAVAIR 01-1A-23) Technical Manual.

Source Rating: See Note 2
Course: Mandatory
Billet Paygrades: E4-E6
Personnel Paygrades: E3-E6
CIN: A-100-0072
CDP: 350F, 093X, 452D, 439G, 439T, 769F
Sequence Code: 7
Component NEC:
Primary Advisor: CNO N43
Related NEC:
Technical Advisor: NAVSEA 05, NAVAIR
ECM: N13

NOTES:
1. Continued NEC qualification requires recertification per the 2M Certification Plan (NAVSEA 05 TE000-AA-PLN-010/2M, NAVAIR 4790-PLN-010/2M).
2. NEC is normally assigned to AE, AT, CTT, ET, FC, FT, GM, GSE, IC, MT, IT, STG, STS, IC, and MN.

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 includes 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
Course: Mandatory
Billet Paygrades: E5-E8
Personnel Paygrades: E4-E8
CIN: K-431-0306
K-431-0087
CDP: 5300
5301
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N851
Related NEC:
Technical Advisor: NAVSEA 05, SPECWAR
ECM: BUPERS-322

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.
3. 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 possess the unique skills required to conduct preventive and corrective maintenance on hull, mechanical, 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.

Course: See notes
Sequence Code: 3
Component NEC: SPECWAR
Primary Advisor: SPECWAR
Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9

NOTES:
1. Formal training and PQS is required to receive this NEC.
2. Personnel will normally be qualified in submarines.

9536 Naval Special Warfare Small Arms organizational level Maintenance Technician
NEC will provide personnel with enhanced organizational level maintenance training on all small arms and gun mounts fielded by Naval Special Warfare. Personnel will possess the unique skills required to conduct preventative and limited corrective maintenance on small arms and gun mounts in support of SEAL/SDV Teams and Special Boat Units.

Source Rating: SO, EOD, ND, SB
Course: Mandatory
Sequence code: 4
Component NEC: Related NEC:
Primary Advisor: CNO N889
Billet Paygrades: E4-E9
CIN: S-041-0002
CDP: 5836
NR Ind: A
Related NEC: Open to Women: Yes
Technical Advisor: NAVAIR
Personnel Paygrades: E4-E9
CDP: ECM: N13

9540 Stinger Anti-Terrorist Weapon (ATW) Operator and Maintenanceman - Deleted

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.

Source Rating:
Course: See Notes
Sequence Code: 3
Component NEC: Related NEC:
Primary Advisor: NECC
Billet Paygrades: See Note
CIN: CR
NR Ind: N
Related NEC: Open to Women: Yes
Technical Advisor: NECC
Personnel Paygrades: E3-E6
CDP:
CDP: ECM: PERS 4011D14

NOTE: NEC maintained for inventory purposes only-no longer awardable.
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, AM, AME, PR, AS, AW, SK, AB, ABH, ABE, ABF
Billet Paygrades: E6-E9
Personnel Paygrades: E6-E9
Course: See Notes
Sequence Code: 3
Component NEC: Related NEC: NAVAIR, NAVSUP (04)
Primary Advisor: CNO N889
Technical Advisor: CIN: CDP:
NR Ind: N
Open to Women: Yes
ECM: N132 (D1, D2, D15)

NOTES: NEC is awarded as follows:
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.

9550 Unmanned Undersea Vehicle (UUV) Operator
Performs duties as a member of a Submarine Launched UUV Detachment. Operate and perform organizational level maintenance on all rating oriented equipment aboard UUV’s and support equipment.

Source Rating: ET, STS, FT, MM
Course: Mandatory
Sequence Code: 4
Component NEC: Related NEC: 1147
Primary Advisor: CNO N871B
Technical Advisor: NAVSEA 05
Billet Paygrades: E5-E8
Personnel Paygrades: E5-E9
CIN: CDP:
NR Ind: N
Open to Women: No
ECM: BUPERS 323

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: PR, SO, EOD, ND, SB
Course: See Note
Sequence Code: 3
Component NEC: 7352 (See Note 2)
Primary Advisor: CNO N861
Billet Paygrades: E6-E9
Personnel Paygrades: E6-E9
CIN: CDP:
NR Ind: R
Related NEC:
Open to Women: Yes
Technical Advisor: NAVSEA 05
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.
9556 Security Specialist
Performs duties on all matters pertaining to Personnel Security, submission of personnel security investigations (PSI) requests and populating the Joint Personnel Adjudication System. Maintains all classified material e.g. files, reports and correspondence. Assists the Security Manager in performing security related administrative control and accountability of all classified material at the command.

Source Rating: YN, PS, AZ, LN
Course: Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: CNO N09N2

Billet Paygrades: E3-E9
Personnel Paygrades: E3-E9
CIN: S-3C-0001
CDP: 925X, 925W
Component NEC: 9190
Technical Advisor: CNO N09N2
Open to Women: Yes
CIN: S-3C-0001
ECM: BUPERS 328D

NOTES:
1. Must be a U.S. Citizen and must have security clearance eligibility.
2. Submit NAVPERS 1221/6 with appropriate documentation and Commanding Officer’s endorsement to NAVPERS (Code 4013) via ECM BUPERS 328D.

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: See Notes
Course: Mandatory
Sequence Code: 4
Component NEC:
Primary Advisor: NAVPETOFF

Billet Paygrades: E5-E7
Personnel Paygrades: E5-E7
CIN: K-821-2145
CDP: 254G
Component NEC: Related NEC:
Technical Advisor: NAVAIR, NAVSEA 05, NAVFACENG
Open to Women: Yes
CIN: K-821-2145
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 NAVPERS 1221/6 to PERS-4013D2 via the Commanding Officer, 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: See Note 1
Course: OJT
Sequence Code: 3
Component NEC: 9563
Primary Advisor: CNO N871B

Billet Paygrades: E6-E9
Personnel Paygrades: E3-E9
CIN:
CDP:
NR Ind: R
Related NEC:
Open to Women: No
Technical Advisor: NAVSEA 05
ECM: N13

NOTES:
1. Normally assigned to EM, ET, IC, CS, MM, SK, STS and YN personnel.
2. Personnel must be qualified in submarines.
3. Personnel must have successfully completed a formal certification program established by the type commander.
4. 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: See Note 1
Course: OJT
Sequence Code: 4
Component NEC: CNO N871B
Primary Advisor: CNO N871B

Billet Paygrades: E5-E7
Personnel Paygrades: E5-E9
CIN:
CDP:
NR Ind: R
Open to Women: No
Technical Advisor: NAVSEA 05
ECM: N13

NOTES:
1. Normally assigned to BM, EM, ET, MM, CS, SK, STS, and YN personnel.
2. Personnel will normally be qualified in submarines.
3. 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:
Course:
Sequence Code: 7
Component NEC: CMSC
Primary Advisor: CMSC

Billet Paygrades: E4-E9
Personnel Paygrades: E4-E9
CIN:
CDP:
NR Ind: A
Open to Women: Yes
Technical Advisor: NAVSEA 05
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:
Course: Mandatory
Sequence Code: 5
Component NEC: CNO N865
Primary Advisor: CNO N865

Billet Paygrades: E4-E8
Personnel Paygrades: E3-E9
CIN: G-060-2010
CDP: 849M
G-060-2020
849R
NR Ind: A
Open to Women: Yes
Related NEC: NAVSEA 05, NAUSART, NAVFACENG
Technical Advisor: NAVSEA 05, NAUSART, 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
Course: See Note 1 Personnel Paygrades: E5-E9
Sequence Code: 7 CDP:
Component NEC: Related NEC: 6021 NR Ind: R
Primary Advisor: CNO N09F Open to Women: Yes
Technical Advisor: N09F ECM: N13

NOTES:
1. NEC may be earned upon completion of:
   a. Naval Safety Supervisor Correspondence Course, NAVEDTRA 14167.
   b. Completion of at least TWO of the following:
      1. The Navy Environmental Health Center (NEHC) Workplace Monitoring course.
      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 NAVPERS 1221/6 to PERS-4013D2 with Commanding Officer's endorsement and copies of documentation reflecting the course of instruction completed.

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: See Note 2 Billet Paygrades: E4-E9
Course: Mandatory Personnel Paygrades: E4-E9
Sequence Code: 5 CIN: A-831-0001 CDP: 572B
Component NEC: Related NEC:
Primary Advisor: Pers-84 Technical Advisor: Pers-84

NOTES:
1. To be assigned this NEC, personnel must meet selection screening criteria set forth in MILPERSMAN 1306-904.
2. This NEC applies to all non-MA personnel only. MAs will be awarded NEC 2008.

9578 Command Senior Chief
Command Senior Chiefs provide leadership to the enlisted force and advise Commanders/Commanding Officers on enlisted matters that support mission accomplishment. As both the Commander/Commanding Officer and Enlisted personnel’s’ direct representative, they uphold the highest standards of professionalism, and integrity and enhance active communication at all levels of command throughout the Department of the Navy.

Source Rating: OPEN Billet Paygrades: E8
Course: Mandatory Personnel Paygrades: E8-E9
Sequence Code: 4 CIN: A-570-4500 CDP: 788J, 960F
Component NEC: Related NEC:
Primary Advisor: CNO N00D Technical Advisor: CNO N00D

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.

Course: Mandatory CIN: A-570-4500 CDP: 788J
Sequence Code: 2 NR Ind: R
Component NEC: Related NEC: Open to Women: No
Primary Advisor: CNO N871B 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).

Course: Mandatory CIN: A-570-4500 CDP: 788J
Sequence Code: 2 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 1221/6 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: See Note CIN: CDP: NR Ind: R
 Sequence Code: 5 Component NEC: Related NEC: Open to Women: Yes
 Primary Advisor: CNO N43 Technical Advisor: NAVSEA 05 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 hand tools 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: OJT
Course: OJT
Sequence Code: 5
Component NEC: N43
Primary Advisor: CNO

Billet Paygrades: E4-E6
Personnel Paygrades: E3-E9
CIN: CDP:
Related NEC: Open to Women: Yes
Technical Advisor: NAVSEA 05
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: Mandatory
Course: Mandatory
Sequence Code: 8
Component NEC: NAVCRU
Primary Advisor: NAVCRU

Billet Paygrades: E4-E9
Personnel Paygrades: E3-E9
CIN: S-501-0020
S-7C-2414
CDP: 942H
962H
Related NEC: Open to Women: Yes
Technical Advisor: NAVCRU
ECM: N13
NR Ind: R

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: Mandatory
Course: Mandatory
Sequence Code: 8
Component NEC: 9585
Primary Advisor: NAVCRU

Billet Paygrades: E5-E9
Personnel Paygrades: E5-E9
CIN: S-501-0031
CDP: 945P
NR Ind: R
Related NEC: Open to Women: Yes
Technical Advisor: NAVCRU
ECM: N13

9587 Officer Recruiter
Recruits individuals into U.S. Navy and Reserve Officer Programs. Possesses expertise in recruiting techniques, Navy Officer commissioning programs and policies. Communicates and relates effectively with prospects, groups and the community. Possesses knowledge of officer processing techniques.

Source Rating: See Note
Course: See Note
Sequence Code: 8
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: NAVCRU

Billet Paygrades: E6-E9
CDP: 962H
NR Ind: N
Technical Advisor: NAVCRU
ECM: N13

NOTE: Personnel may earn this NEC by completion of PQS/OJT or course completion.
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: OPEN (See Note)  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N865  
Primary Advisor: CNO N865  
Billet Paygrades: E6-E8  
Personnel Paygrades: E5-E8  
CIN: A-501-0011  
CDP: 3192, 477B  
Related NEC:  
Technical Advisor: Pers-206  
Open to Women: Yes  
ECM: BUPERS 328D  

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, AM, AME, AO, AT, AS, AZ, SK  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N889  
Primary Advisor: CNO N889  
Billet Paygrades: E5-E7  
Personnel Paygrades: E5-E8  
CIN: D-555-0026  
CDP: 571X, 2165  
E-555-0026  
448T, 384V, 3674, 206N  
Related NEC:  
Technical Advisor: NAVSEA 05  
Open to Women: Yes  
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  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N865, N879  
Primary Advisor: CNO N865, N879  
Billet Paygrades: E4-E9  
Personnel Paygrades: E4-E9  
CIN: S-661-1025  
CDP: 946C  
Related NEC:  
Technical Advisor: NAVSEA 05  
Open to Women: Yes  
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:  
Course: Mandatory  
Sequence Code: 3  
Component NEC: CNO N45  
Primary Advisor: CNO N45  
Billet Paygrades: E5-E9  
Personnel Paygrades: E5-E9  
CIN: A-322-2600  
CDP: 438D, 592X  
A-322-2601  
5575, 02L0, 01XA, 01XB, 01XC, 01XD, 01XE, 01XF, 01X6, 01X7, 01X8, 01X9, 02UU, 03C2, 03C3  
Related NEC:  
Technical Advisor: NAVSUP (04)  
Open to Women: Yes  
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: Mandatory CIN: A-670-0020 CDP: 581N
Sequence Code: 5 NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N871B Technical Advisor: NAVSEA 05 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: Mandatory CIN: A-494-0006 CDP: 437L
Sequence Code: 4 NR Ind: R
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N865, 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-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: E3-E7 Personnel Paygrades: E3-E7
Course: Mandatory CIN: A-101-0148 CDP: 577N
Sequence Code: 4 NR Ind: N
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N6 Technical Advisor: SPAWAR ECM: BUPERS-322D

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.

Sequence Code: 4 NR Ind: A
Component NEC: Related NEC: Open to Women: Yes
Primary Advisor: CNO N6 Technical Advisor: SPAWAR ECM: BUPERS-322D
ET-9606 Shipboard Air Traffic Control (SATC) 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: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N889  
Billet Paygrades: E3-E9  
CIN: C-103-2117 (P/L)  
CDP: 708H  
NR Ind: R  
Technical Advisor: NAVAIR  
Personnel Paygrades: E3-E9  
Open to Women: Yes

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: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N6  
Billet Paygrades: E3-E7  
CIN: A-101-0248  
CDP: 478T  
NR Ind: A  
Technical Advisor: SPAWAR  
Personnel Paygrades: E3-E7  
Open to Women: Yes

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: Mandatory  
Sequence Code: 5  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Billet Paygrades: E4-E7  
CIN: A-104-0215  
CDP: 006H  
NR Ind: R  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E3-E7  
Open to Women: Yes

ET-9610 Radar (AN/SPS-49A(V)) Technician
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: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E7  
CIN: A-104-0222  
CDP: 478W  
NR Ind: R  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E3-E7  
Open to Women: Yes

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: Mandatory  
Sequence Code: 4  
Component NEC: Related NEC:  
Primary Advisor: CNO N865  
Billet Paygrades: E3-E7  
CIN: A-130-2568  
CDP: 580N  
NR Ind: R  
Technical Advisor: NAVSEA 05  
Personnel Paygrades: E3-E7  
Open to Women: No

222
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.

<table>
<thead>
<tr>
<th>Source Rating: ET</th>
<th>Billet Paygrades: E3-E7</th>
<th>Personnel Paygrades: E3-E7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source Rating: IC</td>
<td>Billet Paygrades: E4-E7</td>
<td>Personnel Paygrades: E4-E7</td>
</tr>
<tr>
<td>Course: Mandatory</td>
<td>CIN: A-670-2153</td>
<td>CDP: 2303</td>
</tr>
<tr>
<td>Sequence Code: 4</td>
<td>Component NEC: Related NEC: 4728</td>
<td>Open to Women: Yes</td>
</tr>
<tr>
<td>Primary Advisor: CNO N865</td>
<td>Technical Advisor: NAVSEA 05</td>
<td>ECM: BUPERS-322D</td>
</tr>
</tbody>
</table>

ET-9613 Naval Special Warfare (NSW) Communications Technician
Operate and maintain ship and shore related communications systems as fielded by Naval Special Warfare; equipment is deployed and/or utilized with and by Mobile Communications Teams, commissioned ships, Special Boat Units, Seal and SDV Teams, and NSW Units. Personnel will possess the unique skills to operate and maintain primary and secondary equipment associated with Special Operation Forces (SOF) equipment such as Joint Base Station variants 1, 2, 3 and CORE systems, SINCGARS, Havequick and Low Probability of Exploitation (LPE) capable radios, and other Multi-Band and HF SOF unique radios. Personnel will have advanced working knowledge of the frequency spectrum ELF-EHF, data transmission and waveforms, modulation techniques, field expedient antennas, EKMS fundamentals and security procedures, and DAMA and TACSAT procedures.

<table>
<thead>
<tr>
<th>Source Rating: ET, IT</th>
<th>Billet Paygrades: E3-E9</th>
<th>Personnel Paygrades: E3-E9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: K-431-0141</td>
<td>CDP: 775C or 775D</td>
</tr>
<tr>
<td>Sequence Code: 4</td>
<td>Component NEC: Related NEC:</td>
<td>Open to Women: Yes</td>
</tr>
<tr>
<td>Primary Advisor: CNO N865</td>
<td>Technical Advisor: NAVSEA 05</td>
<td>ECM: BUPERS-322D</td>
</tr>
</tbody>
</table>

NOTES:
1. Secret security clearance required.
2. Personnel must complete the Naval Special Warfare Communications course and be assigned to a Naval Special Warfare (NSW) Command. Upon reporting, personnel must complete the NSW Tactical Communications Technician Job Qualification Requirement (JQR). NEC shall only be awarded in accordance with the JQR certification procedures: awarding authority shall be Commander, Naval Special Warfare Command, N6, and may not be delegated.

ET-9614 AN/SPN-35C Maintenance Technician
Performs organizational and/or intermediate level maintenance on the AN/SPN-35C Radar System. Uses general and special purpose test equipment, built-in test equipment, and diagnostic computer programs to perform PMS checks, alignment, and trouble analysis to restore equipment to optimum operating condition.

<table>
<thead>
<tr>
<th>Source Rating: ET</th>
<th>Billet Paygrades: E3-E7</th>
<th>Personnel Paygrades: E3-E7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: C-103-2038</td>
<td>CDP: 748G</td>
</tr>
<tr>
<td>Sequence Code: 4</td>
<td>Component NEC: 9606</td>
<td>NR Ind: R</td>
</tr>
<tr>
<td>Primary Advisor: CNO N869</td>
<td>Related NEC: 9602</td>
<td>Open to Women: Yes</td>
</tr>
<tr>
<td>Technical Advisor: NAVSEA 05</td>
<td>ECM: BUPERS-322D</td>
<td></td>
</tr>
</tbody>
</table>

ET-9615 AN/SPS-67(V)5 Radar Technician
Perform organizational and/or intermediate level maintenance on radar. Perform power output checks and minimum discernible signal tests. Perform alignments in the RF, IF, Video and Power Supply circuits, maintaining equipment in optimum condition. Diagnose malfunctions by symptom recognition to localize and replace faculty sub-assemblies, parts and components to restore equipment to optimum operating conditions.

<table>
<thead>
<tr>
<th>Source Rating: ET</th>
<th>Billet Paygrades: E4-E7</th>
<th>Personnel Paygrades: E4-E7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: A-104-0230</td>
<td>CDP: 00SP</td>
</tr>
<tr>
<td>Sequence Code: 4</td>
<td>Component NEC: Related NEC: 9608</td>
<td>Open to Women: Yes</td>
</tr>
<tr>
<td>Primary Advisor: CNO N86</td>
<td>Technical Advisor: NAVSEA 05</td>
<td>ECM: BUPERS-322D</td>
</tr>
</tbody>
</table>

NOTE: Confidential Security Clearance is required.
OCCUPATIONAL AREA - DEFENSE GROUPING

DG-9700-9780 Occupational Area-Defense Grouping NECs

See Chapter III for complete listing.

SPECIAL SERIES (TRAINING PROGRAM)

9901- Nuclear Propulsion Plant Operator Trainee

<table>
<thead>
<tr>
<th>Source Rating:</th>
<th>Billet Paygrades: E3-E9</th>
<th>Personnel Paygrades: E3-E9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course: Mandatory</td>
<td>CIN: A-661-8888</td>
<td>CDP: 4045</td>
</tr>
<tr>
<td>Sequence Code: 4</td>
<td>NR Ind: R</td>
<td></td>
</tr>
<tr>
<td>Component NEC: Related NEC:</td>
<td>Open to Women: Yes</td>
<td></td>
</tr>
</tbody>
</table>

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 members temporarily gained as a CB-VET for Naval Reserve only.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Course:</td>
<td>CIN:</td>
<td>CDP:</td>
</tr>
<tr>
<td>Sequence Code: 1</td>
<td>NR Ind: N</td>
<td></td>
</tr>
<tr>
<td>Component NEC: Related NEC:</td>
<td>Open to Women: Yes</td>
<td></td>
</tr>
<tr>
<td>Primary Advisor: CNO N4</td>
<td>Technical Advisor: COMNAVRESFOR</td>
<td>ECM: BUPERS-325</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>NEC CODE</th>
<th>TITLE</th>
<th>BILLET PAGRADES MIN - MAX</th>
<th>READY FOR TRAINING DATE DD/MM/YY</th>
<th>POINT OF CONTACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>IC-4754</td>
<td>Oxygen Generating Plant Electrical/Electronic Maintenance Technician</td>
<td>E4-E9</td>
<td>ON LINE</td>
<td>NAVSEA</td>
</tr>
<tr>
<td>MN-1206</td>
<td>Littoral Combat Ship Mine Warfare Mission Package Specialist</td>
<td>E4-E8</td>
<td>ON LINE</td>
<td>NAVSEA (PMS420-L)</td>
</tr>
<tr>
<td>8320</td>
<td>E-2D Aircraft Systems Organizational Career Maintenance Technician</td>
<td>E5-E7</td>
<td>04/01/12</td>
<td>CNATT</td>
</tr>
<tr>
<td>8820</td>
<td>E-2D Aircraft Systems Organizational Initial Maintenance Technician</td>
<td>E1-E4</td>
<td>04/01/12</td>
<td>CNATT</td>
</tr>
</tbody>
</table>
APPENDIX A

NEC PROPOSALS

A. INTRODUCTION

This Appendix provides guidance 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 N2, N86, N87, N88) to: Commanding Officer, Navy Manpower Analysis Center (Code 10), 5722 Integrity Drive, Millington, TN 38054-5011. 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 1223.1B series details NEOCS Board composition and responsibilities.

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.

3. NEC Establishment.
   a. Rating Series, Special Series, and 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., h., k., r., s., t., and u. 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) using all components of Figure 1.

   Note: Submit requests for all NECs (including Planning NECs) via your chain of command and the Primary Advisor. See Chapter IV NEC descriptions, for Primary Advisors. Copy to Pers-4013.
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 or E-Mail 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 or E-Mail when submitting requests for NEC revisions.
From: Name of activity submitting proposal
To: Commanding Officer, Navy Manpower Analysis Center (Code 10), NSA Memphis, Millington, TN 38054
Via:

Subj: PROPOSAL TO ESTABLISH A NAVY ENLISTED CLASSIFICATION (NEC) (place the rate abbreviation and the first two digits and two Xs (e.g. ET-14XX) and the title here)

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 tasks 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. Cost Analysis. What will be the net effect on students IA in terms of man-years (MPN only)?
      NOTE: MPN man-years in the student IA are calculated by multiplying course length in days by number of students and dividing that by 360 for initial training in man-years. This figure is divided by 3 for approximate follow-on, per-year cost for out years.

\[
\text{MPN} = \frac{\text{course length in days} \times \text{number of students}}{360} \quad \text{Approx follow-on =} \quad \frac{\text{MPN}}{3}
\]

   h. Training. List the training needed to earn the proposed NEC, the implications it may have on TAD training, and the impact it may have on increasing overall cost to the Navy in the out-years.
      (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 addressed to NETC.
      (6) Increase/savings to course length.
      (7) Will difference course be required?
      (8) Can this be done through non-traditional training sites, or by internet-based course?
      (9) How does this fit into Navy Training System Plan (NTSP)? (Contact appropriate SYSCOM for info)
      (10) If this is replacing another NEC or school, to what percent? How many personnel went through previous NEC, and how long was the course? (man-years)
      (11) How many personnel are intended to go through per year? (Contact CNO (N00T))

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 Corporate enterprise Training Activity Resource System (CeTARS) as an integral part of the process.
N. **Skill Identification.** Indicate whether the proposed skill (NEC) currently exists as part of a rating or another NEC.

O. **Assignment (Open/Closed).** Indicate whether the proposed NEC is "Open" or "Closed" to Women.

o. **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).

**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/NETC) 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 20) 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 20) 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.

p. Endorsements. The primary advisor/CNO (N00T) should look at all cost associated with the establishment/revision and provide a cost estimate for the establishment/revision and agree to assume all associated cost. If TAD cost are associated with the establishment TYCOMS should be notified and agree to assume any associated TAD cost.

NOTE: Originator is responsible for contacting appropriate commands for this info.

q. Directives. Identify special directives associated with the NEC, such as instructions or manuals.

r. Justification. Explain the purpose of the proposed NEC and how it will impact manpower increases/decreases. Be specific as possible.

s. 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.

t. Point of Contact. Identify the name, telephone number (commercial and DSN), and E-Mail address of a person knowledgeable about the proposed NEC.

u. 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.

v. 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 s. 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
ENLISTED COMMUNITY MANAGERS
Concept Approval and NEOCS Package Development

Concept Development
Genesis of proposed change (NEC, Rating merger/disestablishment) with input from one or more various sources – Centers, Learning Sites, ECM, TYCOM/HQ, Fleet

Initial Commonality Study
Effort coordinated by originator with Centers for initial JTA commonality study

Staffing Initial Concept
Originator lead coordinated with the Manpower, Personnel and Training functional areas (NAVMAC, ECM, Centers)

Brief MPT IWG
Originator Lead with MPT functional area support. Gauge for leadership buy in and direction prior to Expending resources

MPT IWG CONCEPT approval
Yes

Initial Stakeholders Mtg
Originator/ECM lead with all MPT Functional areas represented – Assignment of actions/tasks with Development of NEOCS Package POA&M

Follow on stakeholders Meetings
as required to accurately produce a complete NEOCS Package

MPT IWG Monthly Update
Lead – Originator/ECM Status input Status provided on both Concept development and status Of NEOCS approval process

NEOCS Package

NEOCS Package Submission
To NEOCS Board and NAVMAC Process

LEGEND: LEAD ACTIONS - YELLOW = COMMON; GREEN = ORIGINATOR & ECM; BLUE = MPT IWG; TAN = NAVMAC

CNO N86, N6, N87, N88, N095, N972, N09C, N2, N44, N931, N2C, N43, N09F, PERS-4 AND 6, NAVSEA, SPECWAR, CMSC, NAVPETOFF, NAVCRU

Initial benefit as measured against training with initial concept buy in from Manpower and Personnel
** Follow-on MPT Commonality Study done by NAVMAC if requested by originator

Proposal Cancelled or returned
For further staffing and/or revision to original concept

NO
NEOCS PROCESS

1. **NEC REVISION OR DELETION**
   - Proposal forwarded to Primary Advisor, Technical Advisor, and ECM. If a CIN/CDP change is involved, then NETC added as a Board member.
   - **All concur?**
     - **YES**
       - Proposal sent to EXCOM for arbitration.
     - **NO**
       - Originator works directly with dissenting member(s) to resolve issues.
       - **Issues resolved?**
         - **YES**
           - Executive Secretary approves. Changes are printed in the NEC Manual.
         - **NO**
           - Proposal is forwarded to DCNO (N1) for final arbitration, approval, or additional action, as required.

2. **NEC ESTABLISHMENT**
   - Proposal forwarded to NEOCS Board for review.
   - **All concur?**
     - **YES**
       - Proposal forwarded to CNO (N13) and DCNO (N1) for approval or addition action, as required.
     - **NO**
       - Proposal is forwarded to DCNO (N1) for final arbitration, approval, or additional action, as required.

3. **RATING STRUCTURE CHANGE** (if concept brief successful)
   - Proposal forwarded to NEOCS Board for review. NETPDTC and MCPON added as Board members.
   - **Dissenting members record questions or issues in the official comments matrix.**
   - **Originator works directly with dissenting member(s) to resolve issues.**
   - **Issues resolved?**
     - **YES**
       - Proposal forwarded to CNO (N13) and DCNO (N1) for approval or addition action, as required.
     - **NO**
       - Proposal terminated or returned for amendment or future consideration.

* Specific research (e.g., commonality studies for rating merger proposals) and procedural checklist requirements are promulgated in Volume II of reference (c).
From: Name of Activity Submitting Proposal
To: Executive Secretary, Navy Enlisted Occupational Classification System (NEOCS)
Via: Chain of Command

Subj: PROPOSAL TO MERGE (RATING AND RATING)

Ref: (a) Manual of Navy Enlisted Manpower and Personnel Classification and Occupational Standards, Volume II Navy Enlisted Classifications (NECs), NAVPERS 18068F of Latest Version Published

Encl: (1) Proposal to Merge Rating and Rating

1. In accordance with reference (a), enclosure (1) is submitted to Navy Manpower Analysis Center (NAVMAC) for review, consideration and vote by the Navy Enlisted Occupational Classification System (NEOCS) Board. This proposal considers current and proposed billet structures, personnel inventory, training impact (to include the IA Account), career paths for the affected rating, advantages and disadvantages of a merger, advancement opportunity, sea/shore rotation, opportunities for women, clearance issues, NEC issues, reserve implications, Armed Services Vocational Aptitude and Batter Test (ASVAB) scores, rating badge, and rating name.
ENCLOSURE (1) SAMPLE

1. **Purpose**: Mention any steering committee meetings or groups that met to review rating issues and policies, project future requirements and make recommendations which would include the concept brief given to the Manpower, Personnel and Training Working Group (MPTWG) for concept development.

2. **Justification**: Explanation of how it will benefit the Navy and the Sailors. Examples of Sailors’ benefits could be promotion opportunities, diversity of assignments and/or training etc.

3. **Rating Scope**: To include existing/proposed. Individual Learning Centers or Enlisted Community Managers would provide this.

4. **Career Path**: To include existing/proposed. Current Career Path can be found in NAVPERS 18068F. Should include advancement opportunities.

5. **Billet Structure**: To include existing/proposed. Break-down Sea and Shore. This would be the Enlisted Programmed Authorization (EPA) Structure. Include Reserve EPA Tables (existing/proposed). Should include explanation how the new billet structure would be displayed. If excess billets will be achieved with the merger, should include explanation on how the excess billets would be recoded (sea/shore). If additional billets are required, include an explanation on where the compensation would come from. Is there workload to support additional billets? Who will pay for the additional billets?

6. **Personnel Inventory**: To include existing/proposed. Separate tables for active and reserve. Give total number of personnel and display percentage breakdown by paygrade. If all current personnel are not required in the new proposed rating, how will conversions be handled?

7. **Training**: To include existing/proposed (what schools, location, duration, CBT, OJT etc). Need to state who will absorb the cost if there is a training requirement increase. Will there be a difference course (for the higher paygrades) offered when the merger is complete? Will CDs need to be developed? Will PCS be involved if training sites move or if a new training site is established. Has the PCS been planned for? Does the Navy have resources (trainers) to train at the new proposed site? Consider training sites that award an NEC. Is there going to be an Individual Accounts (IA) increase? Will these schools be consolidated?

8. **Resource /Warfare Sponsor/NOOT**: A statement to the effect they will ensure the cost associated with the rating merger will be programmed for as required.

9. **NEC**: Will a new NEC need to be established? Will NEC’s need to be merged? Will NEC’s need to be deleted. Will source ratings need to be changed or added? School producing NEC’s should be addressed under Training.

10. **Women**: Open etc.? Any concerns or issue regarding women if the ratings merge/dissestablish/establish (example – bunks at sea)?

11. **Clearance Issues/Naturalization Issues**: To include existing. Will this change once the ratings are merged? How will the billets and personnel be affected? Due to the backlog of SCI security clearance adjudications, it is imperative to discuss any issues this backlog causes WRT to accomplishing the mission (i.e. junior Sailors may sit at a PCS duty station for over a year before getting a final TS SCI security clearance, so what are we going to do prior to their arrival to shorten this time lag?)

12. **Reserves**: Impact. How will they handle the conversion? Does anything pose a problem for the Reserves (i.e. cost, women, time requirements, etc)?

13. **Facilities/Equipment**: MILCON issues, equipment purchases, etc.

14. **Sea/Shore Rotation**: To include existing/proposed (ECM can give you this information). If the existing is changing, give an explanation.
15. **Rating Badge:** Will existing remain or will it change? If change is needed, notify the NEXCOM, and in the proposal state what it will be and if the name changes, add that as well.

16. **Timeframe:** Here you will need to explain the timeframe involved to implement the proposal. (example: Will you do E9 & E8, then E7, and E6 and below) or will the implementation occur all at one time? When will conversion be completed?

17. **Summary:** Pros and cons. Closing remarks
**NAVY ENLISTED CLASSIFICATION (NEC) CHANGE REQUEST**

**TO:**
NEC Management Section, Pers-4013

**VIA:**

1. **SOCIAL SECURITY NUMBER:**

2. **NAME (LAST, FIRST, MI):**

3. **RANK/RATE:**

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: ____________________________

   □ FOWARDED RECOMMENDING APPROVAL

   □ FOWARDED RECOMMENDING DISAPPROVAL ____________________________ SIGNATURE ____________________________ DATE

**ACTIONS TAKEN BY PERS-4013**

<table>
<thead>
<tr>
<th>APPROVED</th>
<th>EFFECTIVE DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISAPPROVED (SEE ATTACHMENT)</td>
<td></td>
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<tr>
<td>RETURNED WITHOUT ACTION (SEE ATTACHMENT)</td>
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</tbody>
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(SIGNATURE ____________________________ DATE)

(BLOCK BY BLOCK INSTRUCTIONS ON REVERSE SIDE)

NAVPERS 1221/6
INSTRUCTIONS FOR COMPLETION OF NAVPERS 1221/6

THE USE OF THIS FORM IS RESTRICTED TO NAVAL ACTIVITIES REPORTING NAVY ENLISTED CLASSIFICATION (NEC) DATA FOR INCLUSION INTO THE ENLISTED ASSIGNMENT INFORMATION SYSTEM.

FOWARD TO:

USN/USNR (TAR) / USNR-R (SELRES)

NAVY PERSONNEL COMMAND
PERS-4013 (NEC MGMT SECTION)
5720 INTEGRITY DRIVE
MILLINGTON, TN 38055-3340
COMM: (901) 873-5210/5211/5213  FAX: (901) 873-5253
DSN: N/A
EMAIL: EPMAC_NEC_REQUEST@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 17 PRIOR TO FORWARDING TO PERS-4013.

BLOCK #

1 – 3 MEMBER INFORMATION:
SSN - SELF EXPLANATORY
NAME - LAST NAME, FIRST NAME, MIDDLE INITIAL.
RANK/RATE - EXAMPLE: PN2, ATC

NOTE: (2) IF SUBMITTING A REQUEST FOR THE SAME NEC BUT MORE THEN ONE MEMBER, ENTER "SEE ATTACHED" ON BLOCKS 1 AND 2, AND ATTACH A LIST WITH THE NAME & SSNs OF THE MEMBERS TO THE NAVPERS 1221/3.

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" NEC'S ANNOTATE THE COURSE IDENTIFICATION NUMBER THE MEMBER COMPLETED, AND ALSO INCLUDE SUPPORTING DOCUMENTATION WITH THE NAVPERS 1221/3 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 AND ARCHIVE REQUESTS MUST BE SIGNED BY THE COMMANDING OFFICER OR THE ACTING 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/DISSAPPROVAL OF THE NEC REQUEST. FOR NEC CHANGE REQUEST OF USNR-R (SELRES) PERSONNEL THIS BLOCK WILL BE USED BY THE CLASSIFICATION COORDINATORS. PERS-4013 IS THE FINAL APPROVING AUTHORITY FOR NEC REQUEST.

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 YOUR COMMAND RAUD.

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 NAVPERS 1221/3 "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 them selves 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 NAVPERS 1221/3.
4. MANDATORY OR VOLUNTARY DISCLOSURE: IF THE MEMBER DOES NOT PROVIDE SOCIAL SECURITY NUMBER THE NEC REQUEST WILL NOT BE PROCESSED.