

Manual of Enlisted Classifications

NAVPERS 10151-L

February 1967

ET - Electronics Technician

RM - Radioman

CT - Communications Technician

Priority
Number

1301-1398 MISSILE TECHNICIAN

- 5 MT-1312 Regulus I
 Source Rating: MT

Assembles, maintains, and repairs components associated with internal guidance and control of missiles; makes preassembly tests of components, and adjusts or replaces faulty parts; assembles missile and makes preflight tests to determine readiness for launching, using special and standard test equipment; repairs, adjusts, and calibrates missile test equipment.

- 2 MT-1317 Instrumentation
 Source Ratings: MT, ET, FT, IC
 Applicable Course: FBM Test Instrumentation, Operation and Maintenance Course

Supervises and performs duties involving Exercise Head (EH), Telemetry Head (TH), Instrumentation Package (IT), and Ground Station mechanical and standard electrical tools and equipment. Assignment recommended only after six months on-the-job training.

1501-1598 ELECTRONICS TECHNICIAN

- 7 ET-1501 Basic Electronics Maintenance
 Source Rating: ET
 Applicable Course: ET Class "A" (BE/E and ET A1 Course)

Repairs by replacing faulty components and parts; tests and measures, using basic test equipment; performs scheduled preventive maintenance specified for paygrade E-4 on electronic equipment; prepares electronic records and reports. For a more detailed description of the type of work to be performed by personnel identified by this NEC refer to enclosure (3) of BuPers Instruction 1510.104A of 12 August 1966.

RADAR TECHNICIANS (1503-1519)

Repair and perform technical maintenance on radar by making power-output checks and minimum discernible signal tests, checking standing wave ratio, inspecting and locating faulty waveguide and transmission line sections, and aligning RF, IF, and video amplifier circuits. In cases of malfunctions, diagnose symptoms, isolate, localize, and replace faulty components and parts to restore equipment to optimum operating condition.

- 4 ET-1503 AN/SPS 29
 Source Rating: ET
 Applicable Course: AN/SPS 29

- 4 ET-1504 AN/SPS 37A
 Source Rating: ET
 Applicable Course: AN/SPS 37A

- 4 ET-1505 AN/SPS 29C
 Source Rating: ET
 Applicable Course: AN/SPS 29C

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- 4 ET-1506 AN/SPA 62
 Source Rating: ET
 Applicable Course: AN/SPA 62
 Component NEC: ET-1503
- 4 ET-1507 AN/SPA 63
 Source Rating: ET
 Applicable Course: AN/SPA 63
 Component NEC: ET-1504
- 6 ET-1508 AN/SPA 34
 Source Rating: ET
 Applicable Course: AN/SPA 34
- 5 ET-1509 AN/SPA 43
 Source Rating: ET
 Applicable Course: AN/SPA 43
- 6 ET-1511 AN/SPS T3
 Source Rating: ET
 Applicable Course: AN/SPS T3
- 2 ET-1513 AN/SPS 32 or AN/SPS 33
 Source Rating: ET
 Applicable Courses: a. AN/SPS 32 Radar Sets Maintenance
 b. AN/SPS 33 Radar Sets Maintenance
 c. AN/SPS 33 Computer/Tracker Group Maintenance
- 3 ET-1514 AN/SPS 40
 Source Rating: ET
 Applicable Course: AN/SPS 40
- 6 ET-1517 AN/SPS T2A
 Source Rating: ET
 Applicable Course: AN/SPS T2A
- 4 ET-1518 AN/SPS 43
 Source Rating: ET
 Applicable Course: AN/SPS 43
- 5 ET-1519 AN/SPS 30
 Source Rating: ET
 Applicable Course: AN/SPS 30

AUTOMATIC CARRIER LANDING SYSTEM TECHNICIANS (1523-1526)

Localize equipment casualties to parts or subassemblies of assigned equipment; test, calibrate, and repair by replacement of subassemblies or parts.

- 4 ET-1523 AN/SPN 35
 Source Rating: ET
 Applicable Course: AN/SPN 35
- 4 ET-1524 AN/SPN 6/12
 Source Rating: ET
 Applicable Course: AN/SPN 6/12

Priority
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- 6 ET-1543 KW-26
 Source Ratings: ET, RM, CT
 Applicable Course: Crypto Repair TSEC/KW-26
- 6 ET-1544 KW-37R
 Source Ratings: ET, RM, CT
 Applicable Course: Crypto Repair TSEC/KW-37R
- 4 ET-1545 Steam Valve Maintenance Technician
 Source Ratings: ET, RM
 Applicable Courses: KG13, KY-537, AN/FYC-9 and Secure Systems Controller
 Component NEC: ET-1548
- Pending issue of a Navy-wide OpNav steam valve instruction, additional
 detailed information may be found in CinCPacFltInst 0023.00.8, available upon
 request from CinCPacFlt on need-to-know basis.
- 6 ET-1547 KW-7
 Source Ratings: ET, RM, AT, CT
 Applicable Course: Crypto Repair TSEC/KW-7
- 6 ET-1548 KG-13
 Source Ratings: ET, RM, CT
 Applicable Course: Crypto Repair TSEC/KG-13
- 6 ET-1549 KW/37T
 Source Ratings: ET, RM, CT
 Applicable Course: Crypto Repair TSEC/KW-37T
 Component NEC: ET-1544

INERTIAL NAVIGATION TECHNICIANS (1552-1553)

Perform operational and shipboard maintenance duties on assigned equipment; monitor equipment, identify faulty or erroneous operation and take immediate corrective action.

- 3 ET-1552 Mk II/Mod 1 SINS (N7B)
 Source Rating: ET
 Applicable Course: Mk II/Mod 1 SINS (N7B)
- 3 ET-1553 Mk III/Mod 4 SINS
 Source Rating: ET
 Applicable Course: Mk III/Mod 4 SINS

SPECIAL MAINTENANCE TECHNICIANS (1561-1569)

Maintain, repair, and overhaul equipment in connection with Special Projects.

- 3 ET-1561 TEAMS
 Source Rating: ET
 Applicable Course: AN/SSM-5

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3 ET-1563 Communications Satellite
 Source Rating: ET
 Applicable Course: AN/SSC-3

3 ET-1565 CAESAR
 Source Rating: ET
 Applicable Course: Special Maintenance CAESAR

AIMS TECHNICIANS (1572-1573)

Maintain, test, calibrate, repair, and overhaul component and ancillary equipment of the Air Traffic Control Radar Beacon Mk 12 IFF Systems (AIMS).

5 ET-1572 ATRCBS/SIF
 Source Rating: ET
 Applicable Course: ATRCBS/SIF

4 ET-1573 AIMS/TSEC
 Source Rating: ET
 Applicable Course: AIMS/TSEC (CRYPTO)
 Component NEC: ET-1572

GROUND CONTROLLED APPROACH TECHNICIAN (1577)

6 ET-1577 AN/CPN4A or AN/MPN5
 Source Rating: ET
 Applicable Course: AN/CPN4A or AN/MPN5

Tests, aligns, maintains, and repairs electronic equipment associated with Radar Set AN/CPN-4A or AN/MPN-5.

TACAN TECHNICIANS (1578-1579)

Test, align, maintain, and repair electronic equipment associated with shipboard or shore-based TACAN terminal installations.

5 ET-1578 AN/SRN6/URN3/GRN9
 Source Rating: ET
 Applicable Course: AN/SRN6/URN3/GRN9

5 ET-1579 AN/URN-20
 Source Rating: ET
 Applicable Course: AN/URN-20

ELECTRONIC WARFARE SYSTEMS TECHNICIANS (1588-1594)

Maintain, troubleshoot, calibrate, and repair electronic warfare equipment/systems. Billets are identified by ET-1592, ET-1593, or ET-1594.

4 ET-1588 ECM(D)
 Source Rating: ET
 Applicable Course: AN/ULQ 5/6/6A

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- 4 ET-1589 ECM(J)
 Source Rating: ET
 Applicable Course: AN/SLQ-12
- 2 ET-1591 WLR-6 Equipment Technician
 Source Rating: ET
 Applicable Course: AN/WLR-6
- 2 ET-1592 Electronic Warfare Technician
 Source Rating: ET
 Component NECs: ET-1593, ET-1589
- 3 ET-1593 ECM Technician
 Source Rating: ET
 Component NECs: ET-1594, ET-1588
- 4 ET-1594 ECM Intercept Technician
 Source Rating: ET
 Applicable Course: AN/WLR-1

SPECIAL COMMUNICATIONS MAINTENANCE TECHNICIAN (1596)

- 3 ET-1596 Special Communications Maintenance Technician, Fixed
 Source Rating: ET
 Applicable Course: SPECOMM Course I
- Maintains, repairs, tests, and evaluates special fixed communications equip-
 ment. See OpNavInst 002300.25 series.

ELECTRONICS STANDARDS SPECIALIST (1598)

- 3 ET-1598 Electronics Standards Specialist
 Source Rating: ET
 Applicable Course: Precision Measurement Equipment Specialist/Electronics
 (AIR 32430-1)
- Calibrates all test equipment used in the development, production, and
 maintenance of naval weapons and data processing systems within tolerances
 prescribed by NASC and NESC.

1601-1698 DATA SYSTEMS TECHNICIAN

NTDS TECHNICIANS (1615-1622)

Monitor and/or perform casualty analysis, corrective, and preventive maintenance,
testing, and calibration on a complete electronic digital data processing system or
components thereof.

- 3 DS-1615 NTDS Maintenance
 Source Rating: DS
 Applicable Course: NTDS Maintenance

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2201-2298 POSTAL CLERK

- 5 PC-2211 Area Mail Router
Source Rating: PC

Maintains records of current locations and planned movements of naval and marine forces to assure timely mail deliveries on a worldwide basis; obtains the necessary information by screening operations orders and plans, deployment schedules, and movement reports; coordinates location information with military and commercial transportation schedules, and issues instructions to civil and military postal facilities for the proper labeling and expeditious dispatch of Navy mail. Qualifications for assignment are outlined in current OpNav Instructions.

2301-2398 RADIOMAN

- 6 RM-2303 Radio Operator, High-Speed (30-40 wpm)
Source Rating: RM

Transmits and receives high speed radio messages by CW key in international Morse code. Assigned to RM's holding a valid speed key certificate.

- 7 RM-2304 Radio Operator, Intermediate
Source Rating: RM

Transmits and receives radio messages by CW Key in international Morse code at minimum of 22 WPM.

- 6 RM-2312 Radio Maintenceman
Source Rating: RM
Applicable Course: RM Class "B" School

Operates and performs operational and preventive maintenance on electronic communications equipment; inspects, installs, and repairs equipment; makes casualty analyses to determine procedure for repairing, rebuilding, or replacing defective parts; maintains equipment histories and records; performs specialized communication duties, such as weather reporting, search and rescue communications and ECM communications, employing knowledge of military, civil, and commercial communications. May be assigned, upon recommendation of a Commanding Officer, to RM's who have clearly shown capability to perform above listed functions.

- 4 RM-2314 Cryptographic Machines Repairman
Source Ratings: RM, CT
Applicable Course: Crypto Repair TSEC/KL47, AN/SGA 3

Performs technical and corrective maintenance, including replacement of parts, on assigned electronic and mechanical cryptographic devices.

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4 RM-2315 Cryptographic Machines Repairman, Automatic Off-Line Equipment

Source Ratings: RM, CT
Applicable Course: Crypto Repair AN/GGA1
Component NEC: RM-2314

Performs technical and corrective maintenance, including replacement of parts, on electronic semiautomatic off-line teletypewriter equipment used with certain cipher machines to facilitate the rapid enciphering or deciphering of classified teletype traffic.

4 RM-2318 Circuit Control Operator

Source Rating: RM

Coordinates with circuit control area operator for proper control, operation, and patching of long-haul communications media and local circuits; controls operation of cryptographic equipment, making shifts and adjustments as directed; supervises operation and control of DC and Audio Frequency patch boards, terminal equipments, antennas, transmitters, receivers and combinations thereof; checks circuit control TTY and voice order wires to detect circuit outages, using monitor TTY equipment, transmission distortion test sets, oscilloscopes and audio level meters, and restores circuits by actions such as rerouting circuits and alternate routing of traffic channels, logs circuit outages, equipment failures, and other data necessary to control center operations. NEC assignment based primarily on experience in NAVCOMMSTAS/Units, and ships such as AGC's, AGMR's, CC's, whose primary function includes communication.

4 RM-2319 Circuit Control Area Operator

Source Rating: RM
Component NECs: RM-2318

Directs control, operation, and patching of long-haul communications media and local circuits; controls selection of transmitting, receiving, and terminal equipment, use of cryptographic equipment, including shifts and adjustments, and all equipment on the air; ensures reliable communications thru familiarity with all possible combinations of antennas, transmitters, receivers, frequencies, and terminal equipment; conducts circuit and systems performance tests; ensures that corrective action is taken in case of circuit outages and that control links and landlines are properly used; coordinates operational changes on circuits with subscribers; inspects and maintains logs and records of data pertinent to control center operations; inventories publications. NEC assignment based primarily on extensive experience in NAVCOMMSTAS/Units, and ships such as AGC's, AGMR's, CC's whose primary function includes communication.

3 RM-2332 SSN/SSBN Radio Equipment Technician

Source Rating: RM
Applicable Courses: a. Test Equipment
 b. AN/BRA-4
 c. AN/URC-32
 d. AN/WRT-4
 e. AN/BRR-3
 f. Transistors

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Performs operational, preventive, and technical maintenance on assigned electronic equipment; possesses knowledge of single sideband principles, characteristics, functions, and manipulations of assigned equipment; and location of components, sub-assemblies, and assemblies. Assignment depends upon graduation from all courses listed, or any four courses plus practical shipboard experience. RM-2332 will be disestablished effective 1 July 1967. No new assignments will be made after 30 June 1966.

3 **RM-2333 Submarine Radio Equipment Maintenanceman**

Source Rating: RM

Applicable Courses: a. AN/WRT-4
b. AN/WRA-3
c. AN/BRA-4
d. AN/URM-114
e. Ancillary equipment to the above
f. AN/BRR-3
g. AN/URC-32
h. Transistors
i. Test Equipment

Component NEC: RM-2332

Performs operational, preventive, and technical maintenance on assigned electronic equipment; employs knowledge of single sideband principles, characteristics, functions, and manipulations of assigned equipment; and location of components, sub-assemblies, and assemblies. Assignment depends upon successful completion of all courses listed.

TELETYPE REPAIRMEN (2342-2344)

Maintain, adjust, repair mechanical and electrical assemblies, clean, lubricate, perform operational adjustments, dismantle defective equipment to ascertain cause of defect, make repairs or replace parts, and test repaired and adjusted equipment on teletype machines.

5 **RM-2342 Mod 28, TT70A and UGC-5**

Source Ratings: RM, CT

Applicable Courses: a. Teletype Maintenance Mod 28
b. Teletypewriter System (Afloat) Maintenance Models
TT 70A/UG and AN/UGC-5

5 **RM-2343 TT-299A (TT-298)**

Source Ratings: RM, CT

Applicable Course: TTY-TT-299A/UG (TT-298)

5 **RM-2344 Mod 28, TT70A, UGC-5 and TT-299A (TT-298)**

Source Ratings: RM, CT

Component NECs: RM-2342, RM-2343

4 **RM-2372 Communication System Technician**

Source Rating: RM

Applicable Course: Naval Communication System Technical Training

Operates and maintains electronic/communication equipment and systems, including microwave systems, High Power synthesized low and high frequency transmitters, receivers, test equipments, and computer-type message segregation facilities, used

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primarily at NAVCOMMSTAS/Units, and ships such as AGC's, AGMR's, CC's, whose primary function includes communication.

3 RM-2392 Special Communication System Supervisor, Fixed

Source Rating: RM
Applicable Course: SPECOMM Course II
Component NEC: RM-2393

See OpNavInst 002300.25 series

3 RM-2393 Special Communication System Operator, Fixed

Source Rating: RM

Operates special fixed-communication system (See OpNavInst 002300.25.)

7 RM-2395 Tropo-Scatter Equipment Operator

Source Rating: RM

Operates, tunes, and adjusts Tropo-Scatter transmitters, receivers, amplifiers, and multiplexing and associated telephone equipment; coordinates and maintains communications, utilizing transmitting, receiving, terminal, and associated telephone equipment.

2401-2498 COMMUNICATIONS TECHNICIAN

3 CT-2401 Technical Branch (CT T)

Source Rating: CT
Applicable Course: Basic Communications Technician T Branch

Operates equipment other than those associated with Morse code and communications signals.

5 CT-2402 Administrative Branch (CT A)

Source Rating: CT
Applicable Course: Basic Communications Technician A Branch

Performs special administrative and clerical duties, including manning of registered publications issuing offices and armed forces courier stations operated by the Navy.

3 CT-2403 Maintenance Branch (CT M)

Source Rating: CT
Applicable Course: Basic Communications Technician M Branch

Installs and maintains electronic equipment.

5 CT-2404 Communications Branch (CT O)

Source Rating: CT
Applicable Course: Basic Communications Technician O Branch

Operates the communication network of the Naval Security Group.

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4 CT-2405 Collection Branch (CT R)
Source Rating: CT
Applicable Course: Basic Communications Technician R Branch

Sends and receives Morse code and operates radio direction-finders and other special equipment.

3 CT-2406 Interpretive Branch (CT I)
Source Rating: CT
Applicable Course: Basic Communications Technician I Branch

Prepares research and interpretive reports on communication material.

2501-2598 YEOMAN

3 YN-2505 Naval Intelligence Clerk
Source Rating: YN

Performs a variety of special clerical duties at worldwide intelligence-type billets sponsored by the Director of Naval Intelligence. Qualifications for assignment and revocation of this NEC are outlined in OpNavInst 1221.1 series.

4 YN-2512 Stenographer
Source Rating: YN
Applicable Course: Stenography

Takes dictation by shorthand at minimum speed of 80 wpm. Assigned to graduates of applicable course obtaining 80, but not 120 wpm.

5 YN-2513 Court Reporter, Stenographic
Source Rating: YN

Performs stenographic duties at courts-martial, courts of inquiry, or military commissions; records proceedings by shorthand or machine methods at minimum speed of 120 wpm; prepares correspondence and records of courts-martial proceedings in accordance with instructions contained in Manual for Courts-Martial, United States, and Uniform Code of Military Justice.

3 YN-2514 Flag Officer Writer
Source Rating: YN
Applicable Course: Stenography

Takes dictation by shorthand at minimum speed of 120 wpm.

4 YN-2515 Court Reporter, Closed Microphone
Source Rating: YN
Applicable Course: Naval Justice Closed Microphone Court Reporting
Component NEC: YN-2516

Performs closed microphone recording and transcribing duties at courts-martial, courts of inquiry, investigations, and conferences; records proceedings on voice reproduction equipment by means of a stenomask at a minimum speed of 175 wpm; prepares attendance records, allied papers, and correspondence in accordance with applicable instructions.