



**HT CAREER PATH  
(SW)**



Hull Maintenance Technician (HT). HTs plans, supervises and performs fabrication, installation and repair of all types of shipboard structures, plumbing and piping systems. Organizes, supervises and trains personnel in maintenance, welding repairs and compliance with Quality Assurance (QA) work package procedures and references. Issues supplies and repair parts, instructs on and enforces safety and security precautions. This is a sea centric rating.

| <b>YEARS OF SERVICE</b> | <b>CAREER MILESTONES</b> | <b>AVERAGE TIME TO ADVANCE</b> | <b>COMMISSIONING OR OTHER SPECIAL PROGRAMS</b> | <b>SEA/ShORE FLOW</b> | <b>TYPICAL CAREER PATH DEVELOPMENT</b>  |
|-------------------------|--------------------------|--------------------------------|--|-----------------------|---|
| 25-30                   | HTCM                     | 18.6 Yrs                       | CSEL, SEA(Instructor)                          | 36                    | 4 <sup>th</sup> Shore Tour<br>Billet: ECM/TECHAD, Training Manager, SWOS Advisor, Analyst.<br>Duty: BUPERS, SWOS, RMC, IMA/F.<br>Qualification: MTS, Repair Duty Chief, Repair Duty Officer, NEC 811A (3MC)   |
| 22-25                   | HTCM<br>HTCS             | 18.6 Yrs<br>17.4               | CSEL   | 48                    | 4 <sup>th</sup> Sea Tour<br>Billet: Dept LCPO, 3MC.<br>Duty: Ship.<br>Qualification: 3MTT, DCTT, ITT, Repair Duty Chief, Repair Duty Officer,   |
| 19-22                   | HTCM<br>HTCS<br>HTC      | 18.6 Yrs<br>17.4<br>11.7       | CWO, CSEL, DAPA, RDC, Recruiter                | 36                    | 3 <sup>rd</sup> Shore Tour<br>Billet: ECM/TECHAD, LCPO, Lead Instructor, Inspector, Trainer, 3MC, Ship Sup, NSW.<br>Duty: BUPERS, RTC, RMC, IMA/F, SWOS.<br>Qualification: Repair Duty Chief, Repair Duty Officer, MTS, NEC 811A (3MC), QAS   |
| 16-19                   | HTCS<br>HTC<br>HT1       | 17.4 Yrs<br>11.7<br>7.4        | LDO, CWO, OCS                                  | 48                    | 3 <sup>rd</sup> Sea Tour<br>Billet: LCPO, LPO, Lead Technician, 3MC.<br>Duty: Ship, NSW.<br>Qualification: SW, AW, EXW, QAS, DCTT, 3MTT, Ballast Officer, Repair Duty Chief, Repair Duty Officer.<br>Schools/NEC: U48A, U49A, U50A, U51A (NDT)  |
| 13-16                   | HTC<br>HT1               | 11.7 Yrs<br>7.4                | LDO, CWO, Naval Academy, OCS, RDC, Recruiter   | 36                    | 2 <sup>nd</sup> Shore Tour<br>Billet: Instructor, Inspector, Trainer (Battle Station), LCPO/LPO, Ship Sup.<br>Duty: SWOS, RMC, IMA/F, RTC, NRD, NPTU, NSW.<br>Qualification: MTS, Repair Duty Chief, Repair Duty Officer, NEC U47A (Shipfit), U48A, U49A, U50A, U51A (NDT), U52A (Pipefit), U53A (Adv. Weld), 805A (Instructor) |



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| YEARS OF SERVICE | CAREER MILESTONES                  | AVERAGE TIME TO ADVANCE | COMMISSIONING OR OTHER SPECIAL PROGRAMS | SEA/ShORE FLOW | TYPICAL CAREER PATH DEVELOPMENT   |
|------------------|------------------------------------|-------------------------|---|----------------|---|
| 9-13             | HT1<br>HT2                         | 7.4 Yrs<br>3.5          | STA-21, LDO, Naval Academy, OCS         | 60             | 2 <sup>nd</sup> Sea Tour<br>Billet: LPO<br>Duty: Ship, NSW<br>Qualification: SW, AW, EXW, RDO, ERO, EPCC, EDO, EOOW, Repair Duty Chief.   |
| 6-9              | HT1<br>HT2                         | 7.4 Yrs<br>3.5          | STA-21, LDO, Naval Academy, OCS         | 36             | 1 <sup>st</sup> Shore Tour<br>Billet: RDC, Trainer (Battle Station), Recruiter, Instructor.<br>Duty: RMC, IMA/F, RTC, NRD, SWOS, NSW.<br>Qualification: QAS, QAI, WCS, MTS, NEC U47A (Shipfit), U48A, U49A, U50A (NDT), U52A (Pipefit), U53A (Adv. Weld), 805A (Instructor) |
| 2-6              | HT2<br>HT3                         | 3.5 Yrs<br>2.2          | NROTC, STA-21, OCS                      | 53             | 1 <sup>st</sup> Sea Tour<br>Billet: Technician.<br>Duty: Ship.<br>Qualifications: 3M and QA (CRAFTSMAN), WCS, SW, AW  |
| 1+/-             | HTFN<br>HTFA<br>Accession Training | 9 Months                |   |                | Recruit Training, "A" School  |

Notes:

1. "A" school not required
2. HT is a sea centric rating (refer to Sea/Shore Flow front page). HTs must have the ability to hold a security clearance.
3. In rating shore duty located at shipyards, IMA/RMCs and as "A" and "C" School Instructors. Out of rating shore duty is generally RDC, Recruiting duty, and/or 3MC.
4. Tours at NPC and BUPERS require screening.
5. Tour at BUPERS 3 as an Enlisted Community Manager or Enlisted Community Manager Technical Adviser are for high-performing E8s or E9s. It is a highly competitive tour requiring thorough understanding of the Rating and manning and manpower policies. ECMS handle multiple Ratings affecting thousands of Sailors, adjudicate Career Waypoints applications, develop and present advancement, school quotas, accession and strength policies and initiatives for community health.
6. NEC information:
  - a. U47A - 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 Fleet-directed requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards,



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quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet-specified tasks for this skill and demonstration of advanced-level proficiency during hands-on training and production work as specified in the current Job Qualification Requirement (JQR).

b. U48A - VT, MT and PT NDT Inspector performs nondestructive tests using Visual, Magnetic Particle and Liquid Penetrant inspection methods in accordance with standards set forth in NSTM Chapter 074, Volume 2.

c. U49A - 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.

d. U50A - VT, MT, PT and UT 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.

e. U51A - 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, one or both Ultrasonic and Radiographic testing disciplines, and the applicable technical documents.

NEC code U51A is to be awarded upon successfully certifying as an Examiner in the VT, MT, PT and one or both UT and RT 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-U49A and/or U50A 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 submitted IAW Chapter 074, Volume 2).** Personnel will retain previously earned Component NEC (U49A and/or U50A) upon being awarded NEC U51A.

f. U52A - NAMTS Pipefitter performs Navy Afloat Maintenance Training Strategy (NAMTS) intermediate-level maintenance procedures fabricating and installing piping in support of Fleet-directed 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 tasks for this skill and demonstration of advanced-level proficiency during hands-on training and production work as specified in the current Job Qualification requirement (JQR).

g. U53A - Advanced Welder are qualified under NAVSEA 05 Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification, to perform categories A, B, C, D and E welds of NAVSEA 05 Technical Manual S9086-CH-STM-010/CH-074, Welding and Allied Process. NEC code U53A personnel in paygrades E7, E8 and E9 may be assigned as welding supervisors. There are few U53A billets for HTC/HTCS/HTCM; this NEC is mostly needed at the HT3 through HT1 level

h. U16A - 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.

### 7. Acronyms:

- ATS – Afloat Training Specialist
- MTS – Master Training Specialist
- IMA – Intermediate Maintenance Activity
- IMF – Intermediate Maintenance Facility
- FRC – Fleet Readiness Center
- RMC – Regional Maintenance Center
- AIMD – Air Intermediate Maintenance Detachment
- NSW – Navy Special Warfare



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SDV – SEAL Delivery Vehicle  
DCS – Dry Combat Submersible  
DDS – Dry Deck Shelter  
EPCC – Electric Plant Control Console Operator  
PACC – Propulsion and Auxiliaries Control Console Operator  
QAS – Quality Assurance Supervisor  
QAI – Quality Assurance Inspector  
QAO – Quality Assurance Officer  
AQAO – Assistant Quality Assurance Officer  
DCCT – Damage Control Training Team  
ETT – Engineering Training Team  
CEW – Chief Electrical Watch (CVN)  
CAO – Chief Auxiliary Operator (CVN)  
EDO – Engineering Duty Officer  
ERO – Engine Room Operator  
COW – Chief of the Watch (CVN non NUC EOOW)  
RCO – Readiness Control Officer (LCS EOOW equivalent)  
EOOW – Engineering Officer of the Watch  
SEPEC – Shipboard Engineering Plant Program Manager

### **Considerations for advancement from E6 to E7**

#### 1. Sea Assignments (all)

- LPO at Sea/Operational/Joint
- Ship Superintendent if assigned to a repair department
- Qualified EDO, EOOW a plus if assigned to an Engineering Department (not available on AS-class ships)
- Qualified Repair Duty Chief (RDC), Repair Duty Officer (RDO) a plus if assigned to a Repair Department
- Qualified Ballast Officer a plus if assigned to an amphibious ship
- Qualified ETT/DCTT
- At least one warfare pin
- Command Collateral with documented impact
- Qualified 3M 301-305
- Qualified QAS a plus
- FCPOA involvement
- Sailor 360 involvement

#### 2. Shore Assignments (all)

- Recruiting Duty, Recruit Division Commander (w/MTS), ATG (w/ATS), TYCOM Staff/BUPERS, Expeditionary Service, SPECWAR, Rating Instructor (All screened billets) Disaster Preparedness operations team member.
- Instructor Duty (805A) (MTS at all levels)
- LPO at Regional Maintenance Center or other shore-based repair activity
- Completed PPME, USMAP
- Community involvement

### **Considerations for advancement from E7 to E8**

#### 1. Sea Assignments (all)

- LCPO/ 3MC
- Ship Superintendent if assigned to a repair department
- Qualified EDO, EOOW a plus if assigned to an Engineering Department (not available on AS-class ships)
- Qualified Repair Duty Chief (RDC), Repair Duty Officer (RDO) a plus if assigned to a Repair Department



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- Qualified Ballast Officer a plus if assigned to an amphibious ship
- At least one warfare pin
- DCTT Coordinator, QAO/AQAO, ETT
- Command Collateral with documented impact
- Completed PPME/JPME
- Active CPO Mess involvement
- Sailor 360/CPO 365 involvement - leading a committee/Season a plus

### 2. Shore Assignments (all)

- Recruiting Duty (serving as LSO or DLCPO)/RDC/ATG (obtained ATS/MTS)/TYCOM Staff/BUPERS/SPECWAR/Expeditionary/Rating Instructor (obtained MTS) (All screened billets)/FLC's (impact billet on the waterfront)/ASD (with documented impact) Disaster Preparedness operations team leader
- Completed PPME/JPME/SEJPME I/USMAP

### **Considerations for advancement from E8 to E9**

#### 1. Sea Assignments (all)

- DLCPO/LCPO (CVN/AS), 3MC at Sea/Operational/Joint
- Qualified EDO, EOOW a plus if assigned to an Engineering Department (not available on AS-class ships)
- At least one warfare pin
- QAO/AQAO, ETT
- Command Collateral with documented impact
- Completed PPME/JPME
- Active CPO Mess involvement
- Sailor 360/CPO 365 involvement - leading a committee/Season a plus

#### 2. Shore Assignments (all)

- Recruiting Duty (serving as LSO or DLCPO)/RDC (Ship LCPO)/ATG (obtained ATS/MTS)/TYCOM Staff/BUPERS/Military Postal Service/SPECWAR/Expeditionary/Rating Instructor (obtained MTS) (All screened billets)/FLC's (impact billet on the waterfront)/ASD (with documented impact)
- Completed PPME/JPME/SEJPME I and II/USMAP
- Served as SEL or DLCPO or 3MC