



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.

YEARS OF SERVICE	CAREER MILESTONES	AVERAGE TIME TO ADVANCE	COMMISSIONING OR OTHER SPECIAL PROGRAMS	SEA/ShORE FLOW	TYPICAL CAREER PATH DEVELOPMENT
25-30	HTCM	24.6 Yrs	CSEL, SEA(Instructor)	36	4 th Shore Tour Billet: ECM/TECHAD, Training Manager, SWOS Advisor, Analyst. Duty: BUPERS, SWOS, RMC, IMA/F. Qualification: MTS, NEC 811A
22-25	HTCM HTCS	24.6 Yrs 18	CSEL	36	4 th Sea Tour Billet: Dept LCPO, 3MC. Duty: Ship. Qualification: 3MTT, DCTT, ITT
19-22	HTCM HTCS HTC	24.6 Yrs 18 14	CWO, CSEL, DAPA, RDC, Recruiter	36	3 rd Shore Tour Billet: ECM/TECHAD, LCPO, Lead Instructor, Inspector, Trainer, 3MC. Duty: BUPERS, RTC, RMC, IMA/F, SWOS. Qualification: MTS, NEC 811A
16-19	HTCS HTC HT1	18 Yrs 14 8.5	LDO, CWO	36	3 rd Sea Tour Billet: LCPO, LPO, Lead Technician, 3MC. Duty: Ship. Qualification: SW, AW, DCTT, 3MTT, Ballast Officer. Schools/NEC: U48A,U49A,U50A,U51A (NDT), U16A
13-16	HTC HT1	14 Yrs 8.5	LDO, CWO, Naval Academy, RDC, Recruiter	36	2 nd Shore Tour Billet: Instructor, Inspector, Trainer (Battle Station), LCPO/LPO. Duty: SWOS, RMC, IMA/F, RTC, NRD, NPTU(Ball). Qualification: MTS, NEC U47A (Shipfit), U48A, U49A,U50A,U51A (NDT), U52A (Pipefit), U53A (Adv. Weld), 805A (Instructor)



HT CAREER PATH (SW)



YEARS OF SERVICE	CAREER MILESTONES	AVERAGE TIME TO ADVANCE	COMMISSIONING OR OTHER SPECIAL PROGRAMS	SEA/ShORE FLOW	TYPICAL CAREER PATH DEVELOPMENT
9-13	HT1 HT2	8.5 Yrs 3.8	STA-21, LDO, Naval Academy	48	2 nd Sea Tour Billet: LPO Duty: Ship, Qualification: RDO, ERO, EPCC, EDO, EOOW
6-9	HT1 HT2	8.5 Yrs 3.8	STA-21, LDO, Naval Academy	36	1 st Shore Tour Billet: RDC, Trainer (Battle Station), Recruiter, Instructor. Duty: RMC, IMA/F, RTC, NRD, SWOS. Qualification: QAS, QAI, WCS, MTS, NEC U47A (Shipfit), U48A, U49A, U50A (NDT), U52A (Pipefit), U53A (Adv. Weld), 805A (Instructor)
2-6	HT2 HT3	3.8 Yrs 2	NROTC, STA-21	54	1 st Sea Tour Billet: Technician. Duty: Ship. Qualifications: 3M and QA (CRAFTSMAN), WCS, SW, AW
1+/-	HTFN HTFA 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 Manger or Enlisted Community Manager Technical Adviser are for high-performing E8s or E9s. It is a highly competitive tour requiring through 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, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on



HT CAREER PATH (SW)



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.

Considerations for advancement from E6 to E7

1. Sea Assignments (all)

- LPO at Sea/Operational/Joint
- Qualified EDO/EOOW, Ballasting Officer a plus
- Qualified ETT/DCTT
- At least one warfare pin
- Command Collateral with documented impact
- Qualified 3M 301-305
- FCPOA involvement
- Sailor 360 involvement



HT CAREER PATH (SW)



2. Shore Assignments (all)

- Recruiting Duty (serving as LPO),RDC(w/MTS)/ATG(w/ATS)/TYCOM Staff/BUPERS//Expeditionary Service/SPECWAR/Expeditionary/Rating Instructor (All screened billets) Disaster Preparedness operations team member.
- Instructor Duty (805A) (MTS at all levels)
- LPO at Regional Maintenance Center
- Completed PPME, USMAP
- Community involvement

Considerations for advancement from E7 to E8

1. Sea Assignments (all)

- Department LCPO/ LCPO FDNF a plus
- Qualified EDO/EOOW a plus
- At least one warfare pin
- DCTT Coordinator, QAO/AQAO, ETT
- Command Collateral with documented impact
- Command Warfare Coordinator
- Completed PPME/JPME/USMAP
- Active CPO Mess involvement, holding a position with documented performance
- Sailor 360 involvement and leading a committee/Season

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) at Sea/Operational/Joint, FDNF a plus
- Qualified EDO/EOOW a plus
- At least one warfare pin
- DCTT Coordinator, QAO/AQAO, ETT
- Command Collateral with documented impact
- Completed PPME/JPME/USMAP
- Active CPO Mess involvement, holding a position
- Sailor 360 involvement and leading a committee/Season

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