Machinist's Mate (MM)

LaDR
NAVY LEARNING and DEVELOPMENT ROADMAP

October 2016

Career Roadmap

Fireman Recruit to Master Chief Roadmap

The educational roadmap below will assist Sailors in the Machinist's Mate community through the process of pursuing professional development and advanced education using various military and civilian resources e.g. PQS program; JST/SMART Transcript; NKO (E-Learning); Navy College; etc. Successful leadership is the key to military readiness and will always require a high degree of technical skill, professional knowledge, and intellectual development.

What is a Career Roadmap for Machinist's Mate?

Machinist's Mate roadmaps are just what the name implies - a roadmap through the Enlisted Learning and Development Continuum from Fireman Recruit through Master Chief. The principal focus is to standardize a program Navy wide by featuring the existing skills necessary to be successful in the Navy. The ultimate goal of a roadmap is to produce a functional and competent Sailor.

What is the Enlisted Learning and Development Continuum?

Enlisted Learning and Development Continuum is the formal title given to the curriculum and process building on the foundation of Sailorization beginning in our Delayed Entry Program through Recruit Training Command and throughout your entire career. The continuum combines skill training, professional education, well-rounded assignments, and voluntary education. As you progress through your career, early-on skill training diminishes while professional military education gradually increases. Experience is the ever-present constant determining the rate at which a Sailor trades skill training for professional development.

Do Sailors have to follow the Roadmap?

Yes. The Machinist's Mate roadmap includes the four areas encompassed by the Continuum in Professional Military Education to include; Navy Professional Military Education (NPME), Joint Professional Education (JPME), Leadership and Advanced Education.

Some training and education is mandatory (Recruit Training, Machinist’s Mate School at Great Lakes, NKO (E-Learning, etc.)). Some may be directed by your chain of command (Microsoft Excel and PowerPoint courses), and the remainder is voluntary (NKO, E-Learning, college courses, etc.). Sailors are advised to seek out mentors, including your Command Master Chief, Senior Enlisted Advisor, Leading Chief Petty Officer, Leading Petty Officer and Command Career Counselor, and to make use of your Base Navy College or Education Office vast resources. All are uniquely qualified to help you along the way.

United States Navy Ethos

We are the United States Navy, our Nation's sea power - ready guardians of peace, victorious in war.

We are professional Sailors and Civilians - a diverse and agile force exemplifying the highest standards of service to our Nation, at home and abroad, at sea and ashore.

Integrity is the foundation of our conduct; respect for others is fundamental to our character; decisive leadership is crucial to our success.

We are a team, disciplined and well-prepared, committed to mission accomplishment. We do not waver in our dedication and accountability to our Shipmates and families.

We are patriots, forged by the Navy's core values of Honor, Courage and Commitment. In times of war and peace, our actions reflect our proud heritage and tradition.

We defend our Nation and prevail in the face of adversity with strength, determination, and dignity.

We are the United States Navy.

The Sailor's Creed

I am a United States Sailor.
I will support and defend the Constitution of the United States of America and I will obey the orders of those appointed over me.
I represent the fighting spirit of the Navy and those who have gone before me to defend freedom and democracy around the world.
I proudly serve my country's Navy combat team with Honor, Courage, and Commitment.
I am committed to excellence and the fair treatment of all.

MM CAREER PATH
(SW)

Machinist's Mates (Surface) (MM) operate and maintain steam turbines and reduction gears used for ship propulsion and auxiliary machinery such as turbo-generators, pumps and oil purifiers. They also maintain auxiliary machinery outside of main machinery spaces, such as electro-hydraulic steering engines and elevators; operate and maintain desalination plants used to make fresh water from sea water; operating and servicing refrigeration plants and air conditioning systems. They may also operate and maintain compressed gas producing plants.

YEARS OF SERVICE	CAREER MILESTONES	AVERAGE TIME TO PROMOTE	COMMISSIONING OR OTHER SPECIAL PROGRAMS	SEA/SHORE FLOW	TYPICAL CAREER PATH DEVELOPMENT
27-30	MMCM	22.8 Yrs	Senior Enl Academy	36	4th Shore Tour Billet: Dir of Training, Ship Supe, ATG Lead, Instructor. Duty: RMC, ATG, Squadron. Qualification: SPGI.
24-27	MMCM MMCS	22.8 Yrs 18.4	CMC, CSC, Staff Duty	42	4th Sea Tour Billet: Dept. LCPO, 3MC. Duty: CVN, AS, CG, CORIVRON, DDG, EOD, FFG, LHA, LHD, LPD, LSD, Staff Qualification: ESWS, EAWS, EOOW, ETT Coordinator, SPGI.
21-24	MMCM MMCS MMC	22.8 Yrs 18.4 13.1	CWO, CMC, CSC, Staff Duty, RDC, Recruiter	36	3rd Shore Tour Billet: Dept. LCPO, Ship Supe, Instructor Duty: RTC, Recruiting, NSYD, SRF, RMC. Qualification: MTS, ATS, SGPI.
17-21	MMCS MMC	18.4 Yrs 13.1	CWO, CSC, Staff Duty,	48	3rd Sea Tour Billet: LPO, LCPO, 3MC. Duty: CVN, AS, CG, CORIVRON, DDG, EOD, FFG, LHA, LHD, LPD, LSD, Staff Qualification: ESWS, Engine Room Operator, EOOW, ETT Coordinator, SPGI.
14-17	MMC MM1	13.1 Yrs 9.5	LDO, CSC, Staff Duty, Brig Duty, RDC, Recruiter	36	2nd Shore Tour Billet: Instructor, Eng Repair Tech, Staff Duty: ATG, NSYD, RTC, SRF, RMC, Squadron. Qualification: MTS, ATS, SGPI.
YEARS OF SERVICE	**CAREER MILESTONES**	**AVERAGE TIME TO PROMOTE**	**COMMISSIONING OR OTHER SPECIAL PROGRAMS**	**SEA/SHORE FLOW**	**TYPICAL CAREER PATH DEVELOPMENT**

MM CAREER PATH
(SW)

YEARS OF SERVICE	CAREER MILESTONES	AVERAGE TIME TO PROMOTE	COMMISSIONING OR OTHER SPECIAL PROGRAMS	SEA/SHORE FLOW	TYPICAL CAREER PATH DEVELOPMENT
9-14	MMC MM1 MM2	13.1 Yrs 9.5 4.6	LDO, CWO, Staff Duty	48	2nd Sea Tour Billet: LCPO, LPO. Duty: CVN, AS, CG, CORIVRON, DDG, EOD, FFG, LHA, LHD, LPD, LSD, Staff Qualification: Prop Plant Mgr (4206 NEC), Equipment Operator/ Supervisor, Engine Room Operator/ Supervisor/ Chief Auxiliary Operator (CVNs) /A Division Central Control Desk Supervisor (CVNs)
6-9	MM1 MM2	9.5 Yrs 4.6	STA-21, OCS, MECP, NAVAL ACADEMY, NROTC, RDC, Recruiter, Instructor Duty, SARP, Staff Duty, Brig Duty	36	1st Shore Tour Billet: Instructor, ENG Repair Tech. Duty: Instructor, RTC, Recruiting, RMC. Qualification: MTS, ATS.
2-6	MM2 MM3	4.6 Yrs 2.04	STA-21, OCS, MECP, NAVAL ACADEMY, NROTC,	60	1st Sea Tour Billet: Maintenance person. Duty: CVN, AS, CG, CORIVRON, DDG, EOD, FFG, LHA, LHD, LPD, LSD, PC Qualification: ESWS, Equipment Operator, Engine Room operator, Auxiliary Machinery Operator (Aux Division).
1+/-	MMFN MMSA Accession Training	9 Months			Recruit Training, “A” and “C” Schools.
YEARS OF SERVICE	**CAREER MILESTONES**	**AVERAGE TIME TO PROMOTE**	**COMMISSIONING OR OTHER SPECIAL PROGRAMS**	**SEA/SHORE FLOW**	**TYPICAL CAREER PATH DEVELOPMENT**

MM CAREER PATH
(SW)

BUPERS-32 (Surface Enlisted Community Manager) Notes:

Note:
Due to the EN/MM Rating Realignment in Spring 2013, 21% of all MMs at sea billets (967 out of 4565) are onboard the following platforms: CGs, DDGs, FFGs, CORIVRONs, Seal Teams, PCs and MCMs.

1. In rate shore duty is common at IMA and ATG. MMs are encouraged to do a tour as an instructor, recruiter or RDC.

2. The Boiler Inspector (SGPI) NEC 4503 program is open to E-7 and above. Sea duty for the (SGPI) Inspectors is limited to LHA/LHD Class ships. NEC 4503 duty is mostly shore duty.

3. MMs at all pay grades are encouraged to do an IA tour.

4. MMs serving on Steam Propulsion Ships are encouraged to complete their EOOW qualifications.

5. MMs serving on Non-Steam Propulsion Ships are encouraged to become leaders or members of major command training teams such as ETT or DCCT.

6. MMs at pay grades E-7 thru E-8 are encouraged to complete a 3M tour either at sea or as a 3M Inspector ashore.

7. Tours at Flag Staff Commands, NPC and BUPERS require screening.

Suggested Career Milestones to Attain Engineering Department LCPO (Top Snipe):

1. SEA 1 (approximately 5 years of service upon completion).

a. Advance to E-5.

b. Qualify: Propulsion Systems Monitor (PSM), Engine Room Monitor (ERM), Equipment Room Operator (ERO), Auxiliary Equipment Monitor (AEM), Electrical Plant Control Console (EPCC), Propulsion Auxiliary Control Console (PACC), Engineering Training Team (ETT), Work Center Supervisor (WCS)/Enlisted Surface Warfare Specialist (ESWS).

c. Purpose: These qualifications are part of the big picture required by a Departmental Leading Chief Petty Officer (DLCPO). Each represent the building blocks necessary for a future DLCPO to take the next step as the technical expert, whether it be teaching a “C” school on shore 2 or leading a main space as Leading Petty Officer (LPO)/LCPO on sea 2. These qualifications are the immediate predecessors to the Engineering Officer of the Watch qualification.

d. Prerequisites for Qualifications to include:

(1) ESWS.

(a) Qualify: Fire Party On Scene Leader, Chemical Biological Radiological (CBR), Investigator, Plotter.

(2) PSM/ERM.

(a) Qualify: 3M Maintenance Man, Basic Damage Control (DC), Sounding & Security, ASM, Switch Board Operator.

MM CAREER PATH
(SW)

2. SHORE 1 (approximately 8 years of service upon completion).

a. E-5/E-6.

b. Regional Maintenance Center (RMC), In-Rate Instructor.

c. Purpose for these duties:

(1) Hone the journeyman skills and experiences required to maintain maximum operational capability of the engineering plant.

(2) First shore tour has been identified as the most flexible of all shore assignments and presents the optimal time for special program assignments.

d. Qualify Quality Assurance Inspector (QAI), Master Training Specialist (MTS).

3. SEA 2 (approximately 13 years of service upon completion).

a. E-6/E-7.

b. Qualify EOOW, ETT, Oil King, Department 3M Officer, Engineering Operational Sequencing System (EOSS) Custodian, Maintain Auto log, LPO/Division LCPO.

(1) These qualifications and programs all fall under the knowledge responsibilities of a Department LCPO. A complete and up to date knowledge of these qualifications and programs are the keystone principals for the Sailor.

d. If Small Ship: Department LCPO, ETT Coordinator.

4. SHORE 2 (approximately 16 years of service upon completion).

a. E-7/E-8 (Top Performers).

b. RMC (Ship Supervisor, QAO qualification), In-Rate Instructor, Afloat Training Group (ATG).

4. SEA 3 (approximately 20 years of service upon completion).

a. E-8/E-9 (Top Performers).

b. ETT Coordinator, Department LCPO.

c. Navy Enlisted Classification (NEC) 4206 (If not completed on second sea tour).

d. Engineering Dept. LCPO (“Top Snipe”)

5. SHORE 3 (approximately 24 years of service upon completion).

a. E-8/E-9.

b. Flag level duty/ATG Lead.

6. SEA 4 (approximately 27 years of service upon completion).

a. E-8/E-9.

b. Engineering Dept. LCPO (“Top Snipe”)

Machinist's Mate
Fireman Recruit to Fireman

NAME_____

SKILL TRAINING

(Schools, courses and assignments directly related to occupation)

REQUIRED SKILL TRAINING

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
BECC	Great Lakes	A-651-0125 CDP 749Z		
BECC Advanced	Great Lakes	A-652-0011 CDP 04VUZ	24 days	
MM Strand	Great Lakes	A-495-0038CDP 04YT	11 days	

RECOMMENDED SKILL TRAINING

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
General Shipboard Firefighting SCBA	Various	A-495-0416	1 day	
Advanced Shipboard Fire Fighter Lab	Various	V-4N-0001	2 days	
Team Trainer Wet Trainer (Buttercup)	Various	V-9B-0003	1 day	
Valve Maintenance	Norfolk, VA / San Diego, CA	A-651-0065	5 days	
Dist Plant Operator	Various	J-651-0458	3 days	
Pump Maintenance	Norfolk, VA / San Diego, CA	A-651-0067	12 days	
QA craftsman	Command Delivered	NAVEDTRA 43523		

NAVY ENLISTED CLASSIFICATION CODE (NEC) OPPORTUNITIES

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
4204 - Steam Propulsion Maintenance Supervisor	San Diego, CA	A-651-0063	109 days	
4295 - UNREP Equipment Mechanic	Norfolk	J-690-0028	47 days	
4296 - Shipboard Elevator Hydraulic/Mechanical	Great Lakes	A-690-0100	23 days	

JOB DESCRIPTION

According to the Bureau of Naval Personnel (BUPERS), the job of an MM is to "operate, maintain, and repair (organizational and intermediate level) ship propulsion machinery, auxiliary equipment, and outside machinery, such as: steering engine, hoisting machinery, food preparation equipment, refrigeration and air conditioning equipment, windlasses, elevators, and laundry equipment. Operate and maintain (organizational and Intermediate level) marine boilers, pumps, forced draft blowers, and heat exchangers; perform tests, transfers, and inventory of lubricating oils, fuels, and water. Maintain records and reports, and may perform duties in the generation and stowage of industrial gases." Enlistees are taught the fundamentals of this rating through on-the-job training or formal Navy schooling. Advanced technical and operational training is available in this rating during later stages of career development. -- NAVPERS 18068F

Machinist's Mate (Surface) generally fall into one of Two roles:

Propulsion Mechanics

The core job of an MM is the engine room. A mechanic's job in the engine room is to operate the steam plant that provides propulsion, electric power (along with Electrician's Mates), potable water, and service steam to the ship. MMs operate the boilers that generate the steam (this job was previously done by Boiler Technicians, but the BT rating merged with Machinist's Mates in 2000) and use it to operate main engine (propulsion turbines), turbo generators, distilling units, and various auxiliary turbines. MM's working in the propulsion plants are often referred to as Pit Snipes, or Snipes for short.

Machinist's Mates responsible for the propulsion plant are found in Machinery Division (or Main Engine Division, Main Propulsion Division, etc.. in some ships), commonly referred to simply as M-Division or MP-Division. On surface nuclear ships, propulsion mechanics are found in Reactor Propulsion Division (commonly still referred to as M-Div), Reactor Mechanical Division (RM), Reactor Laboratories Division (RL). The USS Enterprise is the exception, in that M-Division is still part of Engineering Department, as opposed to Reactor Department.

Auxiliary Mechanics

The other major place to find Machinist's Mates is in the Auxiliaries Division of Engineering Department, often referred to as "A-gang". Mechanics in this role work on mechanical equipment outside of the engine rooms, to include the dishwashers in the galley, laundry machines, AC&R (Air Conditioning and Refrigeration) units, O2/N2 (liquid oxygen and nitrogen) units, lifting and hoisting gear, and other equipment as designated by the Engineering Officer (Chief Engineer, or CHENG). Members of "A-Gang" may also help DC Men, Gunner's Mates, or other ratings.

RECOMMENDED BILLET ASSIGNMENTS

Machinist’s Mate work in a variety of climates at sea and ashore. They perform their work at sea and in port in a controlled climate, but are often called upon, to work in machinery spaces and flight decks in various sea states and weather conditions.

PERSONAL AND PROFESSIONAL DEVELOPMENT (Completed at reporting 30 day Career Development Board)

Command Address: _____ QD Phone Number: _____

_____

Division Officer: _____ Phone Number: _____

Leading Chief Petty Officer: _____ Phone Number: _____

Leading Petty Officer: _____ Phone Number: _____

Sponsor/Mentor: _____ Phone Number: _____

Depart/Division Career Counselor: _____ Phone Number: _____

ADSD: _____ REPORT DATE: _____ EAOS: _____ PRD: _____ SEA / SHORE: _____/____
PAYGRADE E1/E2 (9 months time in service required for advancement to E-2 and E-3)
PAYGRADE E3 (6 months time in service required to be eligible for advancement to E-4)

Date Advanced: _____ Eligible Advancement Date: _____ Number of times up: _____ HYT Date: _____

Security Clearance Level: _____ Date Last updated: _____ Command INDOC complete: _____

CAREER DEVELOPMENT BOARDS: Use OPNAVINST 1040.11(ser) & Career Counselor Handbook NAVPERS 15878
Reason for Convening/Discussion Items: (Upon completion update (CIMS) Career Information Management System)

Reporting (within 30 days for active duty or three drill weekends for SELRES) (Date Conducted): _____

6 Month: _____ 12 Month: _____ 24 Month: _____36 Month: _____48 Month: _____

60 Month: _____ Special Program: _____ Member Request: _____

HYT 24 months (Date): _____ HYT 12 months (Date): _____ HYT Waiver Date: _____Approve/Disapprove

Career Waypoint 15 months to EAOS: _____ Career Waypoint not approved: _____ CMS/ID 13 months to PRD: _____

Rating Conversion: _____ Navy Formal Training Schools Request ("A"/"C"etc): _____

Transfer: _____ Early Separation: _____ Career Status Bonus (election message received):_____

Physical Fitness Test Failure: _____

Advancement Center: Visit NKO Navy Advancement page located under the Career Management Tab
(Items to collect/discuss: Bibliography for Advancement, Enlisted Advancement Exam Strategy Guide, Profile Sheets)

Pass Not Advanced (PNA) 3 times: _____ Standard Score 40 or less/failed: _____

Enlisted to Officer Commissioning Program Application & Administration Manual OPNAVINST 1420.1(series):

Commissioning Programs Applications: _____ (prior to submission, command endorsement):_____

Seaman to Admiral 21 (STA-21) _____ Medical Enlisted Commissioning Program (MECP) _____

Naval Academy _____ Naval Academy Preparatory School (NAPS) _____Officer Candidate School _____

Navy Leader Planning Guide: Log on to NKO and select the Leadership Tab to access this guide.

QUALIFICATIONS AND CERTIFICATIONS

Sea/Shore General Qualifications **Watch Standing Qualifications**	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**
Ship Board Fire Fighting		
Aviation Fire Fighting		
Basic Damage Control		
Advanced Damage Control		
3M 301 Maintenance Person		
3M 302 Repair Parts/Supply Petty Officer		
3M 303 Work Center Supervisor		
3M 304 LCPO/Division Officer		
Messenger of the Watch (MOOW)		
Petty Officer of the Watch (POOW)		
Personal Qualifications Standard		

Mandatory warfare qualification for enlisted Sailors assigned to designated warfare qualifying commands:

Warfare qualification programs	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**
Surface Warfare Specialist		
Aviation Warfare Specialist		

Rate Specific/Department Qualifications (Add)	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**

CERTIFICATIONS

The following post military occupations are similar to the MM-Machinist's Mate Rating. For more information about these occupations, visit NAVY COOL at https://www.cool.navy.mil/usn/.

Occupation (Civilian Employer)
Boilermakers
Bus and Truck Mechanics and Diesel Engine Specialists
Computer, Automated Teller, and Office Machine Repairers
Control and Valve Installers and Repairers, Except Mechanical Door
Cooling and Freezing Equipment Operators and Tenders
Engine and Other Machine Assemblers
First-Line Supervisors of Mechanics, Installers, and Repairers
First-Line Supervisors of Production and Operating Workers
Gas Compressor and Gas Pumping Station Operators
Hazardous Materials Removal Workers
Helpers--Installation, Maintenance, and Repair Workers
Hoist and Winch Operators
Industrial Machinery Mechanics
Insulation Workers, Mechanical
Machinists
Maintenance and Repair Workers, General
Maintenance Workers, Machinery
Mobile Heavy Equipment Mechanics, Except Engines
Pipe Fitters and Steamfitters
Power Plant Operators
Pump Operators, Except Wellhead Pumpers
Refrigeration Mechanics and Installers
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders
Ship Engineers
Stationary Engineers and Boiler Operators
Water and Wastewater Treatment Plant and System Operators

Occupation (Federal Employer)
0871 - Naval Architecture Series
4749 - Maintenance Mechanic
4850 - Bearing Reconditioning
5306 - Air Conditioning Equipment Mechanic
5350 - Production Machinery Mechanic
5402 - Boiler Plant Operating
5415 - Air Conditioning Equipment Operating
5419 - Stationary-Engine Operating
9945 - Refrigeration Engineer
9958 - Evaporator-Utilityman
9963 - Fireman
9964 - Fireman-Watertender

Navy COOL: The following certifications and licenses are applicable to the MM-Machinist's Mate rating. *They may require additional education, training or experience.*

Target paygrade	Certifying Agency	Credential Title	Date Completed
E6	American Society for Quality (ASQ)	Certified Manager of Quality/Organizational Excellence (CMQ/OE)	
E3	American Society for Quality (ASQ)	Certified Quality Improvement Associate (CQIA)	
E4	American Society for Quality (ASQ)	Certified Quality Technician (CQT)	
E5	Electrical Generating Systems Association (EGSA)	Electrical Generator Systems Technician Certification - Apprentice	
E5	International Fluid Power Society (IFPS)	Industrial Hydraulic Mechanic (IHM)	
E5	International Fluid Power Society (IFPS)	Mobile Hydraulic Mechanic (MHM)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level I (CCST-I)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level II (CCST-II)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level III (CCST-III)	
E5	National Institute for Metalworking Skills, Inc (NIMS)	Diemaking Level III	
E6	North American Electric Reliability Corporation (NERC)	System Operator Certification	
E5	North American Technician Excellence (NATE)	Air Conditioning Specialty (Service)	
E5	Professional Evaluation and Certification Board (PECB)	ISO 9001 Foundation - Quality Certification	
E5	Society for Maintenance and Reliability Professionals (SMRP)	Certified Maintenance and Reliability Professionals (CMRP)	
E5	Society for Maintenance and Reliability Professionals (SMRP)	Certified Maintenance and Reliability Technician (CMRT)	
E4	Transportation Security Administration	Transportation Worker Identification Credential (TWIC)	
E4	United States Coast Guard (USCG)	National QMED: Machinist/Pumpman	
E4	Vibration Institute	Certified Balancing Specialist - Category I	
E4	Vibration Institute	Certified Vibration Analyst - Category I	
E5	Vibration Institute	Certified Vibration Analyst - Category II	

Visit Navy COOL at https://www.cool.navy.mil/usn/ for additional Credentials that you may qualify to earn; however funding may be limited to your GI Bill.

UNITED SERVICES MILITARY APPRENTICESHIP PROGRAM (USMAP):

Rank	Apprenticeship	Date Completed
E1 - E9	Boilerhouse Mechanic	
E1 - E9	Bulk Fuel Specialist (Pumper-Gauger)	
E1 - E9	Computer Operator	
E1 - E9	Diesel Mechanic	
E1 - E9	Electronics Mechanic	
E1 - E9	Electronics Mechanic (Any Industry)	
E1 - E9	Hydroelectric-Machinery Mechanic (Utilities)	
E1 - E9	Maintenance Mechanic (Any Industry)	
E1 - E9	Ordnance Artificer (Government Service)	
E1 - E9	Pipe Coverer And Insulator	
E1 - E9	Power-Plant Operator (Utilities)	
E1 - E9	Pump Repairer (Any Industry)	
E1 - E9	Refrigeration Mechanic	
E1 - E9	Refrigeration Mechanic (Any Industry)	
E1 - E9	Water-Treatment-Plant Operator (Waterworks)	

Visit USMAP https://usmap.netc.navy.mil/usmapss/static/index.htm for additional information.

STAY NAVY

REENLIST / EXTEND: Request Chit/Form: _____ Career Waypoints-Reenlistment Approval: _____

Selective Training and Reenlistment (STAR): _____ Guaranteed Assignment in Detailing (GUARD 2000): _____

School as a Reenlistment Incentive: _____ Prior Service Reenlistment Eligibility - Reserve (PRISE-R):_____

Career Management System/Interactive Detailing (CMS/ID): _____

Medical/Dental Screening: _____ Command Recommendation (evaluation): _____ Bonus: _____ Ceremony: _____

Career Waypoints-Reenlistment:

The Command Career Counselor is your local advocate to assist you with the Career Waypoints application process.

- E3-E6 Sailors with less than 14 years of service must submit a Career Waypoint application, regardless of reenlistment intentions. Sailors who do not desire to reenlist will submit an "intends to separate" application. Sailors not eligible for reenlistment will submit a "not eligible" application.
- The Career Waypoints system automatically generates most of the applications needed by Sailors. Applications must be submitted no later than 13 months prior to expiration of active obligated service (EAOS) or as extended (SEAOS). Sailors with less than 24 months of contract time remaining at their projected rotation date (PRD) will submit an application 12 months prior to their PRD. In either case, the Career Waypoints system will automatically generate applications for Sailors 15 months prior to either timeframe. Applications required outside of the established C-Way gates can be submitted as Special Circumstance applications. Examples of when these may be needed include OBLISERVE for special duty, decommissioning or homeport shift.
- The C-Way 3-2-1 Process aligns career decisions with the detailing process. Soft End of Active Obligated Service (SEAOS)/End of Active Obligated Service (EAOS) applications are created by C-Way at the 15 month from SEAOS/EAOS mark and must be submitted by the Command Career Counselor at the 13 month mark. This provides time for the Career Counselor to validate the Sailor's information and to ascertain the Sailors career intentions. The first C-Way review gate occurs from 13 to 10 months from SEAOS/EAOS with career choice options of in-rate, conversion, and Selected Reserve. The second review gate occurs from 9 to 7 months from SEAOS/EAOS with career choice options of conversion and Selected Reserve. From 6 months to 3 months to SEAOS/EAOS the Sailor can only choose Selected Reserve affiliation.
- Monthly reenlistment quotas are limited and must be reserved for our best and brightest Sailors who desire to Stay Navy.
  Sailors must choose one of the following based on their desires and qualifications:
  - Reenlist-in-Rate,
  - Reenlist-in-rate, Willing to Convert
  - Convert only
  - SELRES option
  - Intend to separate
  - Not eligible

In February 2014, C-Way delivered auto-approval capabilities to provide reenlistment decisions on SEAOS/EAOS applications more quickly for eligible ratings. This changed the monthly processing of reenlistment applications as described below.

- If you are in an, "open" rating or a "balanced" rating in an undermanned year group or an E-6, you are eligible for reenlistment, and your application is submitted with correct data it will be auto-approved and returned immediately, and you can reenlist.
- If you are in a "competitive" rating or a balanced rating but not an undermanned year group, then your application will be processed through the monthly Rack and Stack process. Applications submitted in one month are processed in Rack and Stack the following month.
- For Nuclear ratings, all applications are reviewed by enlisted community managers on an ongoing basis throughout the processing month.
- If required data is missing (evaluations, Physical Fitness Assessment (PFA) data, security clearance etc.) the application will be denied with a note to your career counselor regarding what needs to be fixed. It is critical the Command Career Counselor reviews these notes to ensure Sailor's are not disadvantaged in their opportunities for retention.

- Upon completion of the monthly process, Career Waypoints results will be available to command users via the Monthly report section of the Career Waypoints system.
- Additional guidance MILPERSMAN 1440-060, NAVADMIN 149/13, NAVADMIN 150/13, and your Career Counselor

TRANSFER:

15 Months	12 Months	9 Months	6 Months	Orders Received
Career Waypoint____	Career Waypoint____	Career Waypoint____	Accept Orders_____	Screening_____
Exception Family Member___	EFM_____	CMS/ID_____	Reverse Sponsor_____	Obligate_____
CMS/ID_____	CMS/ID_____	SRB_____	Relocation (FFSC) ____	Bonus_____
Continuous Overseas Tours (COT) _____			Medical/Dental_____	
Overseas Tour Extension Incentive Program (OTEIP) _____			SRB_____	

For additional assistance in transfer and relocation, go to the Military HOMEFRONT website: http://www.public.navy.mil/bupers-npc/Pages/default.aspx and visit your Fleet and Family Support Center on base.

SEPARATING/RETIRE:

18 -12 months	6 months	90 days	30 days
Transition GPS _____	MED/DEN _____	Copy of Records_____	Copy of Records _____
Complete DD2648PSD_____	Relocation _____	Microfiche CD_____	PSD_____
Transition Planning_____	Relocation Services (FFSC) _____	Arrange Ceremony_____	MED/DEN _____
	Reserve Affiliation_____	Request Leave / PTDY _____	
	VA/DVA_____		

PHYSICAL FITNESS:

Participate in a year-round physical fitness program to meet Navy fitness and BCA standards. Review and verify accuracy of PFA data in PRIMS within 60 days of the PFA cycle. (PRIMS is accessible through your BUPERS Online Account)

Height_____ Weight_____ If Required (Neck_____ Waist_____ Hips (Female) _____ BCA _____)

Last 2 PRT Cycles: Curl-ups_____/_____ Push-ups_____/_____ Run/Swim/Cardio_____/____ Overall Score_____/_____

List date (if) any PRT/BCA failure(s) over the last 5 years _____/_____ List if any Medical Waiver(s)_____/_____

For more information on Navy Fitness, visit: http://www.navyfitness.org/

PROFESSIONAL MILITARY EDUCATION

(Resident and non-resident coursework designed to enhance a Sailor's general military professional knowledge and abilities)

EDUCATION: (Prior to considering any pursuit of off duty education or program enrollment VISIT YOUR NAVY COLLEGE OFFICE or call the Virtual Education Center (VEC)!!!)

Education Plan Completed (Navy College Office/VEC _____Current Education Level_____

Degree Goal_____
Various distance learning degree options are available using, Sailor and Marine Online Academic Advisor (SMOLAA)

Goal: Date: AA/AS _____ BA/BS _____ Master _____
(Credits to earn a degree - AA/AS: 60 SH/90 QH, BA/BS: 120 SH/180, QH, Master /Doctorate: Variable based on program)

Number of current credits _____ American Council on Education (ACE) recommended credits_____

SOC DNS Agreement _____ Joint Service Transcripts (JST) _____ HS Transcripts_____ College Transcripts_____

Date Degree Obtained: AA/AS _____ BA/BS _____ Master _____ Doctorate _____

For entry into JST, send official transcripts to:
Naval Education and Training Professional Development and Technology Center
Attn: JST Operation Center N615
6490 Saufley Field Road
Pensacola, FL 32509
Phone: 1-877-838-1659
Comm: 757-492-4684
FAX: 757-492-5095
DSN: 492-4684
Email: VEC@navy.mil

VOLUNTARY EDUCATION (Study guides and exam preparations and practice test located on NKO)

Academic skills _____ NCPACE _____CLEP _____DSST _____TA _____MGIB _____Post 9/11 GIB_____

E1/E2/E3 REQUIRED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Petty Officer Selectee Leadership Course	Command Delivered	CPPD-LEAD-09-001	24 hours	
Navy Military Training (Life Skills) (Pre-A School Delivery only) [4]	Command Delivered	A-500-1000	2 days	
Ethics Training	Command Delivered			
Required General Military Training Topics For FY 2016 (Standardized Core Training) [1]				
Antiterrorism Level I Awareness	NKO/Command Delivered	CENSECFOR-AT-010-1.0		
Combating Trafficking in Persons General Awareness	NKO/Command Delivered	DOD-CTIP-1.0		
Counterintelligence Awareness and Reporting	NKO/Command Delivered	DOD-CIAR-1.0		
Cyber Awareness Challenge V3	NKO/Command Delivered	DOD-IAA-V13.0		
Operations Security (Uncle Sam's OPSEC)	NKO/Command Delivered	NIOC-USOPSEC-2.0		
Privacy and Personally Identifiable Information	NKO/Command Delivered	DOD-PII-2.0		
Records Management	NKO/Command Delivered	DOR-RM-010-1.1		
Sexual Assault Prevention and Response Awareness (SAPR)	Command Delivered	CPPD-GMT-SAPRA-1.0 CC		
Equal Opportunity/Sexual Harassment/Grievance Procedures [2]	Command Delivered	CPPD-GMT-EOSH-1.0		
Suicide Prevention	Command Delivered	CPPD-GMT-SAP-1.0		
Required General Military Training Topics For FY 2016 (Command-Assigned Readiness –Enhancement topics; biennial periodicity) [3]				
Alcohol, Drug, and Tobacco Awareness	Command Delivered	CPPD-GMT-ADTA-1.0		
Domestic Violence Prevention and Reporting	NKO/Command Delivered	CPPD-GMT-DV-1.0		
Sexual Health and Responsibility	NKO/Command Delivered	CPPD-GMT-SHR-1.0		
Stress Management	Command Delivered	CPPD-GMT-SM-1.0		

1 - Verify GMT topics on NKO GMT web page.
2 - Course should be delivered in conjunction with SAPR. If not practicable, separate training is still required.
3 - Topics to be delivered once per deployment cycle. If deployment cycle is not applicable or exceeds two years between deployments, then deliver once every two years.
4 - Required for delivery in "A" School for all ratings

E1/E2/E3 REQUIRED COMMUNITY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

E1/E2/E3 RECOMMENDED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Basic Military Requirements (NAVEDTRA 14325) (EDITION 1/1/2002)		NAVEDTRA 14325		
Military Requirements for Petty Officer Third and Second Class (EDITION 1/1/2001)		NAVEDTRA 14504		
Introductory Enlisted Professional Military Education (IEPME)	NKO	Military DON/ PME	18 hours	
Block 1 Introductory EPME - Introduction	NKO	IEPME-INTRO-B1-V2	-	
Block 2 Introductory EPME - History and Traditions	NKO	IEPME-INTRO-B2-V2	3 hours	
Block 3 Introductory EPME - Enlisted Professionalism	NKO	IEPME-INTRO-B3-V2	3 hours	
Block 4 Introductory EPME - Policy and the Navy	NKO	IEPME-INTRO-B4-V2	3 hours	
Block 5 Introductory EPME - Planning for Operations	NKO	IEPME-INTRO-B5-V2	3 hours	
Block 6 Introductory EPME - Regional and Cultural Awareness	NKO	IEPME-INTRO-B6-V2	3 hours	
Block 7 Introductory EPME - Technology in the Maritime Domain	NKO	IEPME-INTRO-B7-V2	3 hours	
Block 8 Introductory EPME - Conclusion	NKO	IEPME-INTRO-B8-V2	-	
Cultural Awareness	NKO or College Course	Foreign Language and Culture	45 hours	
English 101	College Course		45 hours	
English Reading	College Course		45 hours	
English Writing	College Course		45 hours	
Math	College Course		45 hours	
Speech	College Course		45 hours	
Navy Reserve Fundamentals for Active Duty Course	NKO	NAVRESFOR-NRF-3.0	10 hours	
Nutrition	NKO	NMHCI2107V2.1	1 hour	
Personal Financial Management	NKO	CPD-PFM-1.0	8 hours	
PREVENT	Command Delivered	S-501-0150	24 hours	
Recommended General Military Training Topics For FY 2016 (Delivery determined by command discretion) [1]				
Energy Policy	Command Delivered	OPNAV-GMTE-1.0		
Hazing Policy and Prevention	Command Delivered	CPPD-GMT-HPP-1.0		
Operational Risk Management	NKO/Command Delivered	CPPD-GMT-ORM-1.0		
Personal Financial Management	Command Delivered	CPPD-GMT-PFM16-1.0		
Physical Readiness	NKO/Command Delivered	CPPD-GMT-PRT-2.0		

1 - Verify GMT topics on NKO GMT web page.

Courses with Recommended Reserve Points:

Commander Navy Reserve Forces (CNRF) N7 determines the number of reserve points awarded for completion of a course taken on Navy E-Learning. This listing should only be used as a guide and is subject to change by direction of CNFR N7.

Navy E-Learning has no control over how many, if any, reserve points are eventually awarded for the completion of a course. All questions concerning the award of reserve points should be directed to CNFR N7.

E1/E2/E3 RECOMMENDED RESERVE PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
NROWS Orders Administration Course	NKO	R-500-0140/02PG /DoN	8 hours	
Naval Reserve Center Commanding Officer Officer In Charge	NKO	CNRFC-COOIC-1.0 /DoN	8 hours	
Guidance for Mobilization	NKO	CNRFC-GMB-1.1 /DoN	4 hours	
Military Sealift Command 101	NKO	CNRFC-MSC101 /DoN 1.1	24 hours	
Non-Prior Service Accession Program	NKO	CNRFC-NPSAP-2 /DoN 0	23 hours	

E1/E2/E3 RECOMMENDED COMMUNITY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

NAVY PROFESSIONAL READING PROGRAM (PRP)

The purpose of the Reading Program is to facilitate the professional and personal development of all Sailors. For additional information on changes, refer to NAVADMIN 309/12 or visit http://navyreading.dodlive.mil/ or http://navy.lib.overdrive.com/ or https://wwwa.nko.navy.mil

ESSENTIAL READING

WARFIGHTING FIRST	**Completed**
1812: The Navy's War *by George C. Daughan*	
Cybersecurity and Cyberwar: What Everyone Needs to Know *by P.W. Singer*	
SEAL of Honor *by Gary Williams*	
Leading with the Heart *by Mike Krzyzewski, Donald T. Phillips, and Grant Hill*	
The Twilight War *by David Crist*	
Wake of the Wahoo *by Forest J. Sterling*	
OPERATE FORWARD	**Completed**
The Crisis of Islam *by Bernard Lewis*	
Execute Against Japan *by LT Joel Holwitt, USN*	
Monsoon *by Robert Kaplan*	
Neptune's Inferno *by James D. Hornfischer*	
Red Star Over the Pacific *by Toshi Yoshihara and James Holmes*	
Fallout *by Catherine Collins and Douglas Frantz*	
BE READY	**Completed**
A Sailor's History of the U.S. Navy *by Thomas Cutler*	
In the Shadow of Greatness *by Joshua Welle, John Ennis, Katherine Kranz and Graham Plaster*	
Navigating the Seven Seas *by Melvin G. Williams, Sr. and Melvin G. Williams, Jr.*	
The Trident: The Forging and Reforging of a Navy SEAL Leader *by Jason Redman and John Bruning*	
Turn the Ship Around *by David Marquet*	
Wired for War *by P.W. Singer*	

Twenty-four additional books are categorized as "recommended reading," and are available as electronic books (e-books). Many can be downloaded at no cost through the Navy general library program site on Navy Knowledge On-line (NKO).

The entire list, with book summaries and additional information is available at http://navyreading.dodlive.mil/

The CNO-PRP has been streamlined to make our Navy's reading program more interactive, affordable, and wherever possible, electronically accessible. To that end: a number of the titles will be available for free at the NKO portal at https://wwwa.nko.navy.mil.

- Click on the reference tab, then e-library audio and e-books tab.
- In order to download books, an "overdrive" account is required. On the top right, click on the overdrive window and follow the prompts.
- Then, not only are the PRP books available, but also hundreds of other items.

Note: Security restrictions preclude downloading via Navy owned computers, so downloading them to personally-owned devices will be required.

E1/E2/E3 RECOMMENDED COMMUNITY READING

Title	Completed
Basic Military Requirements Manual (BMR) *NAVEDTRA 14325*	
Engineering Apprentice PQS *NAVEDTRA 43701*	
Engineering Fundamentals *NAVEDTRA 43103-A*	
Machinist's Mate (Surface) *NAVEDTRA 14151A*	
Boiler Water/Feedwater Water Chemistry *NSTM 220*	
Surface Ship Firefighting *NAVSEA S9086-S3-STM-010/CH 555 V1*	
NSTM TAGOUT Users Manual *NAVSEA S0400-AD-URM-010/TUM*	
U.S. Navy Uniform Regulations *NAVPERS 15665I*	
Naval Military Personnel Manual *NAVPERS 15560D*	
Ships' Maintenance and Material Management (3M) Manual *NAVSEAINST 4790.8 Series*	
Navy Occupational Safety and Occupational Health (SOH) Program Manual for Forces Afloat Vol II Surface Ship Safety Standards *OPNAVINST 5100.19E*	
Physical Readiness Program *OPNAVINST 6110.1J*	
Standard Organization and Regulations of the U.S. Navy (SORM) *OPNAVINST 3120.32 Series*	
Enlisted to Officer Commissioning Programs Application Administrative Manual *OPNAVINST 1420.1B*	

Machinist's Mate
Petty Officer Third Class
(Apprentice/Journeyman)

NAME_____

SKILL TRAINING

(Schools, courses and assignments directly related to occupation)

REQUIRED SKILL TRAINING

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

RECOMMENDED SKILL TRAINING

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
General Shipboard Firefighting SCBA	Various	A-495-0416	1 day	
Advanced Shipboard Fire Fighter	Various	V-4N-0001	2 days	
Team Trainer Wet Trainer (Buttercup)	Various	V-9B-0003	1 day	
Valve Maintenance	Norfolk, VA / San Diego, CA	A-651-0065	5 days	
QA craftsman	Command Delivered	NAVEDTRA 43523		
Chelant Basic	Various	A-651-0019	4 days	
Pump Maintenance	Norfolk, VA / San Diego, CA	A-651-0067	12 days	
Shipbd Gage Cal	Various	A-652-0240	5 days	

NAVY ENLISTED CLASSIFICATION CODE (NEC) OPPORTUNITIES

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
4283 - Cryogenics Technician Operator/Maintainer	Norfolk	J-750-0015	72 days	
4204 - Steam Propulsion Maintenance Supervisor	San Diego, CA	A-651-0063	109 days	
4291 - Refrigeration and Air Conditioning Systems	Various	A-720-0010	68 days	
4295 - UNREP Equipment Mechanic	Norfolk	J-690-0028	47 days	
4296 - Shipboard Elevator Hydraulic/Mechanical	Great Lakes	A-690-0100	23 days	

JOB DESCRIPTION

According to the Bureau of Naval Personnel (BUPERS), the job of an MM is to "operate, maintain, and repair (organizational and intermediate level) ship propulsion machinery, auxiliary equipment, and outside machinery, such as: steering engine, hoisting machinery, food preparation equipment, refrigeration and air conditioning equipment, windlasses, elevators, and laundry equipment. Operate and maintain (organizational and Intermediate level) marine boilers, pumps, forced draft blowers, and heat exchangers; perform tests, transfers, and inventory of lubricating oils, fuels, and water. Maintain records and reports, and may perform duties in the generation and stowage of industrial gases." Enlistees are taught the fundamentals of this rating through on-the-job training or formal Navy schooling. Advanced technical and operational training is available in this rating during later stages of career development. -- NAVPERS 18068F

Machinist's Mate (Surface) generally fall into one of Two roles:

Propulsion Mechanics

The core job of an MM is the engine room. A mechanic's job in the engine room is to operate the steam plant that provides propulsion, electric power (along with Electrician's Mates), potable water, and service steam to the ship. MMs operate the boilers that generate the steam (this job was previously done by Boiler Technicians, but the BT rating merged with Machinist's Mates in 2000) and use it to operate main engine (propulsion turbines), turbo generators, distilling units, and various auxiliary turbines. MM's working in the propulsion plants are often referred to as Pit Snipes, or Snipes for short.

Machinist's Mates responsible for the propulsion plant are found in Machinery Division (or Main Engine Division, Main Propulsion Division, etc.. in some ships), commonly referred to simply as M-Division or MP-Division. On surface nuclear ships, propulsion mechanics are found in Reactor Propulsion Division (commonly still referred to as M-Div), Reactor Mechanical Division (RM), Reactor Laboratories Division (RL). The USS Enterprise is the exception, in that M-Division is still part of Engineering Department, as opposed to Reactor Department.

Auxiliary Mechanics

The other major place to find Machinist's Mates is in the Auxiliaries Division of Engineering Department, often referred to as "A-gang". Mechanics in this role work on mechanical equipment outside of the engine rooms, to include the dishwashers in the galley, laundry machines, AC&R (Air Conditioning and Refrigeration) units, O2/N2 (liquid oxygen and nitrogen) units, lifting and hoisting gear, and other equipment as designated by the Engineering Officer (Chief Engineer, or CHENG). Members of "A-Gang" may also help DC Men, Gunner's Mates, or other ratings.

RECOMMENDED BILLET ASSIGNMENTS

Machinist’s Mate work in a variety of climates at sea and ashore. They perform their work at sea and in port in a controlled climate, but are often called upon, to work in machinery spaces and flight decks in various sea states and weather conditions.

PERSONAL AND PROFESSIONAL DEVELOPMENT (Completed at reporting 30 day Career Development Board)

Command Address: _____ QD Phone Number: _____

_____

Division Officer: _____ Phone Number: _____

Leading Chief Petty Officer: _____ Phone Number: _____

Leading Petty Officer: _____ Phone Number: _____

Sponsor/Mentor: _____ Phone Number: _____

Depart/Division Career Counselor: _____ Phone Number: _____

ADSD: _____ REPORT DATE: _____ EAOS: _____ PRD: _____ SEA / SHORE: _____/____
PAYGRADE E4 (1 year time in service required to be eligible for advancement to E-5)

Date Advanced: _____ Eligible Advancement Date: _____ Number of times up: _____ HYT Date: _____

Security Clearance Level: _____ Date Last updated: _____ Command INDOC complete: _____

CAREER DEVELOPMENT BOARDS: Use OPNAVINST 1040.11(ser) & Career Counselor Handbook NAVPERS 15878
(E4) Reason for Convening/Discussion Items: (Upon completion update (CIMS) Career Information Management System)

Reporting (within 30 days for active duty or three drill weekends for SELRES) (Date Conducted): _____

6 Month: _____ 12 Month: _____ 24 Month: _____36 Month: _____48 Month: _____

60 Month: _____ Special Program: _____ Member Request: _____

HYT 24 months (Date): _____ HYT 12 months (Date): _____ HYT Waiver Date: _____Approve/Disapprove

Career Waypoint 15 months to EAOS: _____ Career Waypoint not approved: _____ CMS/ID 13 months to PRD: _____

Rating Conversion: _____ Navy Formal Training Schools Request ("A"/"C"etc): _____

Transfer: _____ Early Separation: _____ Career Status Bonus (election message received):_____

Physical Fitness Test Failure: _____

Advancement Center: Visit NKO Navy Advancement page located under the Career Management Tab
(Items to collect/discuss: Bibliography for Advancement, Enlisted Advancement Exam Strategy Guide, Profile Sheets)

Pass Not Advanced (PNA) 3 times: _____ Standard Score 40 or less/failed: _____

Enlisted to Officer Commissioning Program Application & Administration Manual OPNAVINST 1420.1(series):

Commissioning Programs Applications: _____ (prior to submission, command endorsement):_____

Seaman to Admiral 21 (STA-21) _____ Medical Enlisted Commissioning Program (MECP) _____

Naval Academy _____ Naval Academy Preparatory School (NAPS) _____Officer Candidate School _____

Navy Leader Planning Guide: Log on to NKO and select the Leadership Tab to access this guide.

RECORD REVIEW CHECKLIST

Review your Official Record to see what documentation, qualifications, etc. may be missing or requiring an update. This is a great opportunity to meet with your Mentor, Leading Petty Officer or Leading Chief Petty Officer to understand the importance of keeping your record up-to-date. Check the following three major sections to verify your Official Record:

a. **BUPERS Online**: BUPERS Online (https://www.bol.navy.mil) is your main tool to ensure your record is up to date and helps you to be proactive in making the most of your promotion opportunity. You should review your:

   1. **Official Military Personnel File (OMPF)**: All active duty and reserve personnel having a BOL account, a CAC (with appropriate certificates) and a CAC-enabled computer can now view their OMPF online by selecting the OMPF option on the BOL main menu page. This is the preferred method of obtaining OMPF information to eliminate the unnecessary time-lags caused by waiting days or weeks to receive a requested CD ROM.

   2. **If Deployed:** Click on "*Request Record on CD*" to order your Official Military Personnel File (OMPF). This must be accomplished four to six months before a board convenes, which will allow time for delivery and updating of your record if required.

   3. Check your **Performance Summary Record (PSR)** and **Enlisted Summary Record (ESR)** on https://www.bol.navy.mil, click on the "*ODC, OSR, PSR, ESR*" link.

b. **Electronic Service Record (ESR)** Self-Service ESR: This can be viewed at (https://nsips.nmci.navy.mil) or on the Navy Standard Integrated Personnel System (NSIPS) ESR server onboard ship.

c. **Electronic Training Jacket (ETJ)**: Log-on to Navy Knowledge Online (NKO) and review your entire ETJ making sure that each section is correct. If not, clicking on "*Data Problems*" at the bottom of each page which will guide you on how to make corrections or updates.

d. **US Navy Awards website**: Log onto (https://awards.navy.mil/) to review any awards you may qualify for but were unaware of.

QUALIFICATIONS AND CERTIFICATIONS

Sea/Shore General Qualifications **Watch Standing Qualifications**	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**
Ship Board Fire Fighting		
Aviation Fire Fighting		
Basic Damage Control		
Advanced Damage Control		
3M 301 Maintenance Person		
3M 302 Repair Parts/Supply Petty Officer		
3M 303 Work Center Supervisor		
3M 304 LCPO/Division Officer		
Messenger of the Watch (MOOW)		
Petty Officer of the Watch (POOW)		
Personal Qualifications Standard		

Mandatory warfare qualification for enlisted Sailors assigned to designated warfare qualifying commands:

Warfare qualification programs	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**
Surface Warfare Specialist		
Aviation Warfare Specialist		

Rate Specific/Department Qualifications (Add)	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**

CERTIFICATIONS

The following post military occupations are similar to the MM-Machinist's Mate Rating. For more information about these occupations, visit NAVY COOL at https://www.cool.navy.mil/usn/.

Occupation (Civilian Employer)
Boilermakers
Bus and Truck Mechanics and Diesel Engine Specialists
Computer, Automated Teller, and Office Machine Repairers
Control and Valve Installers and Repairers, Except Mechanical Door
Cooling and Freezing Equipment Operators and Tenders
Engine and Other Machine Assemblers
First-Line Supervisors of Mechanics, Installers, and Repairers
First-Line Supervisors of Production and Operating Workers
Gas Compressor and Gas Pumping Station Operators
Hazardous Materials Removal Workers
Helpers--Installation, Maintenance, and Repair Workers
Hoist and Winch Operators
Industrial Machinery Mechanics
Insulation Workers, Mechanical
Machinists
Maintenance and Repair Workers, General
Maintenance Workers, Machinery
Mobile Heavy Equipment Mechanics, Except Engines
Pipe Fitters and Steamfitters
Power Plant Operators
Pump Operators, Except Wellhead Pumpers
Refrigeration Mechanics and Installers
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders
Ship Engineers
Stationary Engineers and Boiler Operators
Water and Wastewater Treatment Plant and System Operators

Occupation (Federal Employer)
0871 - Naval Architecture Series
4749 - Maintenance Mechanic
4850 - Bearing Reconditioning
5306 - Air Conditioning Equipment Mechanic
5350 - Production Machinery Mechanic
5402 - Boiler Plant Operating
5415 - Air Conditioning Equipment Operating
5419 - Stationary-Engine Operating
9945 - Refrigeration Engineer
9958 - Evaporator-Utilityman
9963 - Fireman
9964 - Fireman-Watertender

Navy COOL: The following certifications and licenses are applicable to the MM-Machinist's Mate rating. *They may require additional education, training or experience.*

Target paygrade	Certifying Agency	Credential Title	Date Completed
E6	American Society for Quality (ASQ)	Certified Manager of Quality/Organizational Excellence (CMQ/OE)	
E3	American Society for Quality (ASQ)	Certified Quality Improvement Associate (CQIA)	
E4	American Society for Quality (ASQ)	Certified Quality Technician (CQT)	
E5	Electrical Generating Systems Association (EGSA)	Electrical Generator Systems Technician Certification - Apprentice	
E5	International Fluid Power Society (IFPS)	Industrial Hydraulic Mechanic (IHM)	
E5	International Fluid Power Society (IFPS)	Mobile Hydraulic Mechanic (MHM)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level I (CCST-I)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level II (CCST-II)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level III (CCST-III)	
E5	National Institute for Metalworking Skills, Inc (NIMS)	Diemaking Level III	
E6	North American Electric Reliability Corporation (NERC)	System Operator Certification	
E5	North American Technician Excellence (NATE)	Air Conditioning Specialty (Service)	
E5	Professional Evaluation and Certification Board (PECB)	ISO 9001 Foundation - Quality Certification	
E5	Society for Maintenance and Reliability Professionals (SMRP)	Certified Maintenance and Reliability Professionals (CMRP)	
E5	Society for Maintenance and Reliability Professionals (SMRP)	Certified Maintenance and Reliability Technician (CMRT)	
E4	Transportation Security Administration	Transportation Worker Identification Credential (TWIC)	
E4	United States Coast Guard (USCG)	National QMED: Machinist/Pumpman	
E4	Vibration Institute	Certified Balancing Specialist - Category I	
E4	Vibration Institute	Certified Vibration Analyst - Category I	
E5	Vibration Institute	Certified Vibration Analyst - Category II	

Visit Navy COOL at https://www.cool.navy.mil/usn/ for additional Credentials that you may qualify to earn; however funding may be limited to your GI Bill.

UNITED SERVICES MILITARY APPRENTICESHIP PROGRAM (USMAP):

Rank	Apprenticeship	Date Completed
E1 - E9	Boilerhouse Mechanic	
E1 - E9	Bulk Fuel Specialist (Pumper-Gauger)	
E1 - E9	Computer Operator	
E1 - E9	Diesel Mechanic	
E1 - E9	Electronics Mechanic	
E1 - E9	Electronics Mechanic (Any Industry)	
E1 - E9	Hydroelectric-Machinery Mechanic (Utilities)	
E1 - E9	Maintenance Mechanic (Any Industry)	
E1 - E9	Ordnance Artificer (Government Service)	
E1 - E9	Pipe Coverer And Insulator	
E1 - E9	Power-Plant Operator (Utilities)	
E1 - E9	Pump Repairer (Any Industry)	
E1 - E9	Refrigeration Mechanic	
E1 - E9	Refrigeration Mechanic (Any Industry)	
E1 - E9	Water-Treatment-Plant Operator (Waterworks)	

Visit USMAP https://usmap.netc.navy.mil/usmapss/static/index.htm for additional information.

STAY NAVY

REENLIST / EXTEND: Request Chit/Form: _____ Career Waypoints-Reenlistment Approval: _____

Selective Training and Reenlistment (STAR): _____ Guaranteed Assignment in Detailing (GUARD 2000): _____

School as a Reenlistment Incentive: _____ Prior Service Reenlistment Eligibility - Reserve (PRISE-R):_____

Career Management System/Interactive Detailing (CMS/ID): _____

Medical/Dental Screening: _____ Command Recommendation (evaluation): _____ Bonus: _____ Ceremony: _____

Career Waypoints-Reenlistment:

The Command Career Counselor is your local advocate to assist you with the Career Waypoints application process.

- E3-E6 Sailors with less than 14 years of service must submit a Career Waypoint application, regardless of reenlistment intentions. Sailors who do not desire to reenlist will submit an "intends to separate" application. Sailors not eligible for reenlistment will submit a "not eligible" application.
- The Career Waypoints system automatically generates most of the applications needed by Sailors. Applications must be submitted no later than 13 months prior to expiration of active obligated service (EAOS) or as extended (SEAOS). Sailors with less than 24 months of contract time remaining at their projected rotation date (PRD) will submit an application 12 months prior to their PRD. In either case, the Career Waypoints system will automatically generate applications for Sailors 15 months prior to either timeframe. Applications required outside of the established C-Way gates can be submitted as Special Circumstance applications. Examples of when these may be needed include OBLISERVE for special duty, decommissioning or homeport shift.
- The C-Way 3-2-1 Process aligns career decisions with the detailing process. Soft End of Active Obligated Service (SEAOS)/End of Active Obligated Service (EAOS) applications are created by C-Way at the 15 month from SEAOS/EAOS mark and must be submitted by the Command Career Counselor at the 13 month mark. This provides time for the Career Counselor to validate the Sailor's information and to ascertain the Sailors career intentions. The first C-Way review gate occurs from 13 to 10 months from SEAOS/EAOS with career choice options of in-rate, conversion, and Selected Reserve. The second review gate occurs from 9 to 7 months from SEAOS/EAOS with career choice options of conversion and Selected Reserve. From 6 months to 3 months to SEAOS/EAOS the Sailor can only choose Selected Reserve affiliation.
- Monthly reenlistment quotas are limited and must be reserved for our best and brightest Sailors who desire to Stay Navy.
  Sailors must choose one of the following based on their desires and qualifications:
  - Reenlist-in-Rate,
  - Reenlist-in-rate, Willing to Convert
  - Convert only
  - SELRES option
  - Intend to separate
  - Not eligible

In February 2014, C-Way delivered auto-approval capabilities to provide reenlistment decisions on SEAOS/EAOS applications more quickly for eligible ratings. This changed the monthly processing of reenlistment applications as described below.

- If you are in an, "open" rating or a "balanced" rating in an undermanned year group or an E-6, you are eligible for reenlistment, and your application is submitted with correct data it will be auto-approved and returned immediately, and you can reenlist.
- If you are in a "competitive" rating or a balanced rating but not an undermanned year group, then your application will be processed through the monthly Rack and Stack process. Applications submitted in one month are processed in Rack and Stack the following month.
- For Nuclear ratings, all applications are reviewed by enlisted community managers on an ongoing basis throughout the processing month.
- If required data is missing (evaluations, Physical Fitness Assessment (PFA) data, security clearance etc.) the application will be denied with a note to your career counselor regarding what needs to be fixed. It is critical the Command Career Counselor reviews these notes to ensure Sailor's are not disadvantaged in their opportunities for retention.

- Upon completion of the monthly process, Career Waypoints results will be available to command users via the Monthly report section of the Career Waypoints system.
- Additional guidance MILPERSMAN 1440-060, NAVADMIN 149/13, NAVADMIN 150/13, and your Career Counselor

TRANSFER:

15 Months	12 Months	9 Months	6 Months	Orders Received
Career Waypoint____	Career Waypoint____	Career Waypoint____	Accept Orders_____	Screening_____
Exception Family Member___	EFM_____	CMS/ID_____	Reverse Sponsor_____	Obligate_____
CMS/ID_____	CMS/ID_____	SRB_____	Relocation (FFSC) ____	Bonus_____
Continuous Overseas Tours (COT) _____			Medical/Dental_____	
Overseas Tour Extension Incentive Program (OTEIP) _____			SRB_____	

For additional assistance in transfer and relocation, go to the Military HOMEFRONT website: http://www.public.navy.mil/bupers-npc/Pages/default.aspx and visit your Fleet and Family Support Center on base.

SEPARATING/RETIRE:

18 -12 months	6 months	90 days	30 days
Transition GPS _____	MED/DEN _____	Copy of Records_____	Copy of Records _____
Complete DD2648PSD_____	Relocation _____	Microfiche CD_____	PSD_____
Transition Planning_____	Relocation Services (FFSC) _____	Arrange Ceremony_____	MED/DEN _____
	Reserve Affiliation_____	Request Leave / PTDY _____	
	VA/DVA_____		

PHYSICAL FITNESS:

Participate in a year-round physical fitness program to meet Navy fitness and BCA standards. Review and verify accuracy of PFA data in PRIMS within 60 days of the PFA cycle. (PRIMS is accessible through your BUPERS Online Account)

Height_____ Weight_____ If Required (Neck_____ Waist_____ Hips (Female) _____ BCA _____)

Last 2 PRT Cycles: Curl-ups_____/_____ Push-ups_____/_____ Run/Swim/Cardio_____/____ Overall Score_____/_____

List date (if) any PRT/BCA failure(s) over the last 5 years _____/_____ List if any Medical Waiver(s)_____/_____

For more information on Navy Fitness, visit: http://www.navyfitness.org/

PROFESSIONAL MILITARY EDUCATION

(Resident and non-resident coursework designed to enhance a Sailor's general military professional knowledge and abilities)

EDUCATION: (Prior to considering any pursuit of off duty education or program enrollment VISIT YOUR NAVY COLLEGE OFFICE or call the Virtual Education Center (VEC)!!!)

Education Plan Completed (Navy College Office/VEC _____Current Education Level_____

Degree Goal_____
Various distance learning degree options are available using, Sailor and Marine Online Academic Advisor (SMOLAA)

Goal: Date: AA/AS _____ BA/BS _____ Master _____
(Credits to earn a degree - AA/AS: 60 SH/90 QH, BA/BS: 120 SH/180, QH, Master /Doctorate: Variable based on program)

Number of current credits _____ American Council on Education (ACE) recommended credits_____

SOC DNS Agreement _____ Joint Service Transcripts (JST) _____ HS Transcripts_____ College Transcripts_____

Date Degree Obtained: AA/AS _____ BA/BS _____ Master _____ Doctorate _____

For entry into JST, send official transcripts to:
Naval Education and Training Professional Development and Technology Center
Attn: JST Operation Center N615
6490 Saufley Field Road
Pensacola, FL 32509
Phone: 1-877-838-1659
Comm: 757-492-4684
FAX: 757-492-5095
DSN: 492-4684
Email: VEC@navy.mil

VOLUNTARY EDUCATION (Study guides and exam preparations and practice test located on NKO)

Academic skills _____ NCPACE _____CLEP _____DSST _____TA _____MGIB _____Post 9/11 GIB_____

E4 REQUIRED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Petty Officer Second Class Selectee Leadership Course - Phase One	Command Delivered	CPPD-LEAD-09-002	16 hours	
Petty Officer Second Class Selectee Leadership Course - Phase Two	Command Delivered	CPPD-LEAD-09-002	10 hours	
Ethics Training	Command Delivered			
Required General Military Training Topics For FY 2016 (Standardized Core Training) [1]				
Antiterrorism Level I Awareness	NKO/Command Delivered	CENSECFOR-AT-010-1.0		
Combating Trafficking in Persons General Awareness	NKO/Command Delivered	DOD-CTIP-1.0		
Counterintelligence Awareness and Reporting	NKO/Command Delivered	DOD-CIAR-1.0		
Cyber Awareness Challenge V3	NKO/Command Delivered	DOD-IAA-V13.0		
Operations Security (Uncle Sam's OPSEC)	NKO/Command Delivered	NIOC-USOPSEC-2.0		
Privacy and Personally Identifiable Information	NKO/Command Delivered	DOD-PII-2.0		
Records Management	NKO/Command Delivered	DOR-RM-010-1.1		
Sexual Assault Prevention and Response Awareness (SAPR)	Command Delivered	CPPD-GMT-SAPRA-1.0 CC		
Equal Opportunity/Sexual Harassment/Grievance Procedures [2]	Command Delivered	CPPD-GMT-EOSH-1.0		
Suicide Prevention	Command Delivered	CPPD-GMT-SAP-1.0		
Required General Military Training Topics For FY 2016 (Command-Assigned Readiness –Enhancement topics; biennial periodicity) [3]				
Alcohol, Drug, and Tobacco Awareness	Command Delivered	CPPD-GMT-ADTA-1.0		
Domestic Violence Prevention and Reporting	NKO/Command Delivered	CPPD-GMT-DV-1.0		
Sexual Health and Responsibility	NKO/Command Delivered	CPPD-GMT-SHR-1.0		
Stress Management	Command Delivered	CPPD-GMT-SM-1.0		

1 - Verify GMT topics on NKO GMT web page.
2 - Course should be delivered in conjunction with SAPR. If not practicable, separate training is still required.
3 - Topics to be delivered once per deployment cycle. If deployment cycle is not applicable or exceeds two years between deployments, then deliver once every two years.

E4 REQUIRED COMMUNITY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

E4 RECOMMENDED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Leadership Core Continuum (LCC)	Command Delivered	CPPD10-LCC (Series)	6 hours	
Military Requirements for Petty Officer Third and Second Class (EDITION 1/1/2001)		NAVEDTRA 14504		
Introductory Enlisted Professional Military Education (IEPME)	NKO	Military DON/ PME	18 hours	
Block 1 Introductory EPME - Introduction	NKO	IEPME-INTRO-B1-V2	-	
Block 2 Introductory EPME - History and Traditions	NKO	IEPME-INTRO-B2-V2	3 hours	
Block 3 Introductory EPME - Enlisted Professionalism	NKO	IEPME-INTRO-B3-V2	3 hours	
Block 4 Introductory EPME - Policy and the Navy	NKO	IEPME-INTRO-B4-V2	3 hours	
Block 5 Introductory EPME - Planning for Operations	NKO	IEPME-INTRO-B5-V2	3 hours	
Block 6 Introductory EPME - Regional and Cultural Awareness	NKO	IEPME-INTRO-B6-V2	3 hours	
Block 7 Introductory EPME - Technology in the Maritime Domain	NKO	IEPME-INTRO-B7-V2	3 hours	
Block 8 Introductory EPME - Conclusion	NKO	IEPME-INTRO-B8-V2	-	
Cultural Awareness	NKO or College Course	Foreign Language and Culture	45 hours	
English 101	College Course		45 hours	
English Reading	College Course		45 hours	
English Writing	College Course		45 hours	
Math	College Course		45 hours	
Speech	College Course		45 hours	
Navy Reserve Fundamentals for Active Duty Course	NKO	NAVRESFOR-NRF-3.0	10 hours	
Nutrition	NKO	NMHCI2107V2.1	1 hour	
Personal Financial Management	NKO	CPD-PFM-1.0	8 hours	
PREVENT	Command Delivered	S-501-0150	24 hours	
Recommended General Military Training Topics For FY 2016 (Delivery determined by command discretion) [1]				
Energy Policy	Command Delivered	OPNAV-GMTE-1.0		
Hazing Policy and Prevention	Command Delivered	CPPD-GMT-HPP-1.0		
Operational Risk Management	NKO/Command Delivered	CPPD-GMT-ORM-1.0		
Personal Financial Management	Command Delivered	CPPD-GMT-PFM16-1.0		
Physical Readiness	NKO/Command Delivered	CPPD-GMT-PRT-2.0		

1 - Verify GMT topics on NKO GMT web page.

Courses with Recommended Reserve Points:

Commander Navy Reserve Forces (CNRF) N7 determines the number of reserve points awarded for completion of a course taken on Navy E-Learning. This listing should only be used as a guide and is subject to change by direction of CNFR N7.

Navy E-Learning has no control over how many, if any, reserve points are eventually awarded for the completion of a course. All questions concerning the award of reserve points should be directed to CNFR N7.

E4 RECOMMENDED RESERVE PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
NROWS Orders Administration Course	NKO	R-500-0140/02PG /DoN	8 hours	
Naval Reserve Center Commanding Officer Officer In Charge	NKO	CNRFC-COOIC-1.0 /DoN	8 hours	
Guidance for Mobilization	NKO	CNRFC-GMB-1.1 /DoN	4 hours	
Military Sealift Command 101	NKO	CNRFC-MSC101 /DoN 1.1	24 hours	
Non-Prior Service Accession Program	NKO	CNRFC-NPSAP-2 /DoN 0	23 hours	

E4 RECOMMENDED COMMUNITY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

NAVY PROFESSIONAL READING PROGRAM (PRP)

The purpose of the Reading Program is to facilitate the professional and personal development of all Sailors. For additional information on changes, refer to NAVADMIN 309/12 or visit http://navyreading.dodlive.mil/ or http://navy.lib.overdrive.com/ or https://wwwa.nko.navy.mil

ESSENTIAL READING

WARFIGHTING FIRST	**Completed**
1812: The Navy's War *by George C. Daughan*	
Cybersecurity and Cyberwar: What Everyone Needs to Know *by P.W. Singer*	
SEAL of Honor *by Gary Williams*	
Leading with the Heart *by Mike Krzyzewski, Donald T. Phillips, and Grant Hill*	
The Twilight War *by David Crist*	
Wake of the Wahoo *by Forest J. Sterling*	
OPERATE FORWARD	**Completed**
The Crisis of Islam *by Bernard Lewis*	
Execute Against Japan *by LT Joel Holwitt, USN*	
Monsoon *by Robert Kaplan*	
Neptune's Inferno *by James D. Hornfischer*	
Red Star Over the Pacific *by Toshi Yoshihara and James Holmes*	
Fallout *by Catherine Collins and Douglas Frantz*	
BE READY	**Completed**
A Sailor's History of the U.S. Navy *by Thomas Cutler*	
In the Shadow of Greatness *by Joshua Welle, John Ennis, Katherine Kranz and Graham Plaster*	
Navigating the Seven Seas *by Melvin G. Williams, Sr. and Melvin G. Williams, Jr.*	
The Trident: The Forging and Reforging of a Navy SEAL Leader *by Jason Redman and John Bruning*	
Turn the Ship Around *by David Marquet*	
Wired for War *by P.W. Singer*	

Twenty-four additional books are categorized as "recommended reading," and are available as electronic books (e-books). Many can be downloaded at no cost through the Navy general library program site on Navy Knowledge On-line (NKO).

The entire list, with book summaries and additional information is available at http://navyreading.dodlive.mil/

The CNO-PRP has been streamlined to make our Navy's reading program more interactive, affordable, and wherever possible, electronically accessible. To that end: a number of the titles will be available for free at the NKO portal at https://wwwa.nko.navy.mil.

- Click on the reference tab, then e-library audio and e-books tab.
- In order to download books, an "overdrive" account is required. On the top right, click on the overdrive window and follow the prompts.
- Then, not only are the PRP books available, but also hundreds of other items.

Note: Security restrictions preclude downloading via Navy owned computers, so downloading them to personally-owned devices will be required.

E4 RECOMMENDED COMMUNITY READING

Title	Completed
Basic Military Requirements Manual (BMR) *NAVEDTRA 14325*	
Engineering Apprentice PQS *NAVEDTRA 43701*	
Engineering Fundamentals *NAVEDTRA 43103-A*	
Machinist's Mate (Surface) *NAVEDTRA 14151A*	
Boiler Water/Feedwater Water Chemistry *NSTM 220*	
Boilers *NSTM 221*	
Lubricating Oils, Lubrication Systems *NSTM 262*	
Propulsion and SSTG Steam Turbines *NSTM 231*	
Propulsion Reduction Gears *NSTM 241*	
Surface Ship Firefighting *NAVSEA S9086-S3-STM-010/CH 555 V1*	
NSTM TAGOUT Users Manual *NAVSEA S0400-AD-URM-010/TUM*	
U.S. Navy Uniform Regulations *NAVPERS 15665I*	
Naval Military Personnel Manual *NAVPERS 15560D*	
Ships' Maintenance and Material Management (3M) Manual *NAVSEAINST 4790.8 Series*	
Navy Occupational Safety and Occupational Health (SOH) Program Manual for Forces Afloat Vol II Surface Ship Safety Standards *OPNAVINST 5100.19E*	
Physical Readiness Program *OPNAVINST 6110.1J*	
Standard Organization and Regulations of the U.S. Navy (SORM) *OPNAVINST 3120.32 Series*	
Enlisted to Officer Commissioning Programs Application Administrative Manual *OPNAVINST 1420.1B*	

Machinist's Mate
Petty Officer Second Class
(Journeyman)

NAME_____

SKILL TRAINING

(Schools, courses and assignments directly related to occupation)

REQUIRED SKILL TRAINING

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Future skill training for journeyman level training will be included by EPOC upon successful completion.				

RECOMMENDED SKILL TRAINING

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
General Shipboard Firefighting SCBA	Various	A-495-0416	1 day	
Advanced Shipboard Fire Fighter Lab	Various	V-4N-0001	2 days	
Team Trainer Wet Trainer (Buttercup)	Various	V-9B-0003	1 day	
3M Work Center Supervisor		PQS NAVEDTRA		
QA craftsman/Supervisor	Various	A-4H-0002	5 days	
Valve Maintenance	Norfolk, VA / San Diego, CA	A-651-0065	5 days	
Pump Maintenance	Norfolk, VA / San Diego, CA	A-651-0067	12 days	
Shipbd Gage Cal	Various	A-652-0240	5 days	
Air Compressor and Compressed Air Systems Component Maintenance	Norfolk, VA / San Diego, CA	A-651-0070	11 days	
EABC Console Operator (4508)	Various	A-651-0089	11 days	

NAVY ENLISTED CLASSIFICATION CODE (NEC) OPPORTUNITIES

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
4283 - Cryogenics Technician Operator/Maintainer	Norfolk	J-750-0015	72 days	
4204 - Steam Propulsion Maintenance Supervisor	San Diego, CA	A-651-0063	109 days	
4291 - Refrigeration and Air Conditioning Systems	Various	A-720-0010	68 days	
4295 - UNREP Equipment Mechanic	Norfolk	J-690-0028	47 days	
4296 - Shipboard Elevator Hydraulic/Mechanical	Great Lakes	A-690-0100	23 days	

JOB DESCRIPTION

According to the Bureau of Naval Personnel (BUPERS), the job of an MM is to "operate, maintain, and repair (organizational and intermediate level) ship propulsion machinery, auxiliary equipment, and outside machinery, such as: steering engine, hoisting machinery, food preparation equipment, refrigeration and air conditioning equipment, windlasses, elevators, and laundry equipment. Operate and maintain (organizational and Intermediate level) marine boilers, pumps, forced draft blowers, and heat exchangers; perform tests, transfers, and inventory of lubricating oils, fuels, and water. Maintain records and reports, and may perform duties in the generation and stowage of industrial gases." Enlistees are taught the fundamentals of this rating through on-the-job training or formal Navy schooling. Advanced technical and operational training is available in this rating during later stages of career development. -- NAVPERS 18068F

Machinist's Mate (Surface) generally fall into one of Two roles:

Propulsion Mechanics

The core job of an MM is the engine room. A mechanic's job in the engine room is to operate the steam plant that provides propulsion, electric power (along with Electrician's Mates), potable water, and service steam to the ship. MMs operate the boilers that generate the steam (this job was previously done by Boiler Technicians, but the BT rating merged with Machinist's Mates in 2000) and use it to operate main engine (propulsion turbines), turbo generators, distilling units, and various auxiliary turbines. MM's working in the propulsion plants are often referred to as Pit Snipes, or Snipes for short.

Machinist's Mates responsible for the propulsion plant are found in Machinery Division (or Main Engine Division, Main Propulsion Division, etc.. in some ships), commonly referred to simply as M-Division or MP-Division. On surface nuclear ships, propulsion mechanics are found in Reactor Propulsion Division (commonly still referred to as M-Div), Reactor Mechanical Division (RM), Reactor Laboratories Division (RL). The USS Enterprise is the exception, in that M-Division is still part of Engineering Department, as opposed to Reactor Department.

Auxiliary Mechanics

The other major place to find Machinist's Mates is in the Auxiliaries Division of Engineering Department, often referred to as "A-gang". Mechanics in this role work on mechanical equipment outside of the engine rooms, to include the dishwashers in the galley, laundry machines, AC&R (Air Conditioning and Refrigeration) units, O2/N2 (liquid oxygen and nitrogen) units, lifting and hoisting gear, and other equipment as designated by the Engineering Officer (Chief Engineer, or CHENG). Members of "A-Gang" may also help DC Men, Gunner's Mates, or other ratings.

RECOMMENDED BILLET ASSIGNMENTS

Work as a Machinist’s Mates for afloat or shore providing command support operating engineering equipment, stand roving watches and provide maintenance and repair to electrical/propulsion/auxiliary equipment.

Other Opportunities:

Joint Assignments, GWOT Support Assignments, Recruiter, Instructor, RDC
DAPA, SARP Counselor, Career Counselor

PERSONAL AND PROFESSIONAL DEVELOPMENT (Completed at reporting 30 day Career Development Board)

Command Address: _____ QD Phone Number: _____

_____

Division Officer: _____ Phone Number: _____

Leading Chief Petty Officer: _____ Phone Number: _____

Leading Petty Officer: _____ Phone Number: _____

Sponsor/Mentor: _____ Phone Number: _____

Depart/Division Career Counselor: _____ Phone Number: _____

ADSD: _____ REPORT DATE: _____ EAOS: _____ PRD: _____ SEA / SHORE: _____/____
PAYGRADE E5 (3 Years time in service required to be eligible for advancement to E-6)

Date Advanced: _____ Eligible Advancement Date: _____ Number of times up: _____ HYT Date: _____

Security Clearance Level: _____ Date Last updated: _____ Command INDOC complete: _____

CAREER DEVELOPMENT BOARDS: Use OPNAVINST 1040.11(ser) & Career Counselor Handbook NAVPERS 15878
(E5) Reason for Convening/Discussion Items: (Upon completion update (CIMS) Career Information Management System)

Reporting (within 30 days for active duty or three drill weekends for SELRES) (Date Conducted): _____

6 Month: _____ 12 Month: _____ 24 Month: _____36 Month: _____48 Month: _____

60 Month: _____ Special Program: _____ Member Request: _____

HYT 24 months (Date): _____ HYT 12 months (Date): _____ HYT Waiver Date: _____Approve/Disapprove

Career Waypoint 15 months to EAOS: _____ Career Waypoint not approved: _____ CMS/ID 13 months to PRD: _____

Rating Conversion: _____ Navy Formal Training Schools Request ("A"/"C"etc): _____

Transfer: _____ Early Separation: _____ Career Status Bonus (election message received):_____

Physical Fitness Test Failure: _____

Advancement Center: Visit NKO Navy Advancement page located under the Career Management Tab
(Items to collect/discuss: Bibliography for Advancement, Enlisted Advancement Exam Strategy Guide, Profile Sheets)

Pass Not Advanced (PNA) 3 times: _____ Standard Score 40 or less/failed: _____

Enlisted to Officer Commissioning Program Application & Administration Manual OPNAVINST 1420.1(series):

Commissioning Programs Applications: _____ (prior to submission, command endorsement):_____

Naval Academy _____ Naval Academy Preparatory School (NAPS) _____

Officer Candidate School _____ Seaman to Admiral 21 (STA-21) _____

Medical Enlisted Commissioning Program (MECP) _____ Medical Service Corps In-service Procurement _____

Navy Leader Planning Guide: Log on to NKO and select the Leadership Tab to access this guide.

RECORD REVIEW CHECKLIST

Review your Official Record to see what documentation, qualifications, etc. may be missing or requiring an update. This is a great opportunity to meet with your Mentor, Leading Petty Officer or Leading Chief Petty Officer to understand the importance of keeping your record up-to-date. Check the following three major sections to verify your Official Record:

a. **BUPERS Online**: BUPERS Online (https://www.bol.navy.mil) is your main tool to ensure your record is up to date and helps you to be proactive in making the most of your promotion opportunity. You should review your:

   1. **Official Military Personnel File (OMPF)**: All active duty and reserve personnel having a BOL account, a CAC (with appropriate certificates) and a CAC-enabled computer can now view their OMPF online by selecting the OMPF option on the BOL main menu page. This is the preferred method of obtaining OMPF information to eliminate the unnecessary time-lags caused by waiting days or weeks to receive a requested CD ROM.

   2. **If Deployed:** Click on "*Request Record on CD*" to order your Official Military Personnel File (OMPF). This must be accomplished four to six months before a board convenes, which will allow time for delivery and updating of your record if required.

   3. Check your **Performance Summary Record (PSR)** and **Enlisted Summary Record (ESR)** on https://www.bol.navy.mil, click on the "*ODC, OSR, PSR, ESR*" link.

b. **Electronic Service Record (ESR)** Self-Service ESR: This can be viewed at (https://nsips.nmci.navy.mil) or on the Navy Standard Integrated Personnel System (NSIPS) ESR server onboard ship.

c. **Electronic Training Jacket (ETJ)**: Log-on to Navy Knowledge Online (NKO) and review your entire ETJ making sure that each section is correct. If not, clicking on "*Data Problems*" at the bottom of each page which will guide you on how to make corrections or updates.

d. **US Navy Awards website**: Log onto (https://awards.navy.mil/) to review any awards you may qualify for but were unaware of.

QUALIFICATIONS AND CERTIFICATIONS

Sea/Shore General Qualifications **Watch Standing Qualifications**	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**
Ship Board Fire Fighting		
Aviation Fire Fighting		
Basic Damage Control		
Advanced Damage Control		
3M 301 Maintenance Person		
3M 302 Repair Parts/Supply Petty Officer		
3M 303 Work Center Supervisor		
3M 304 LCPO/Division Officer		
Messenger of the Watch (MOOW)		
Petty Officer of the Watch (POOW)		
Junior Officer of the Deck (JOOD)		
Personal Qualifications Standard		

Mandatory warfare qualification for enlisted Sailors assigned to designated warfare qualifying commands:

Warfare qualification programs	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**
Surface Warfare Specialist		
Aviation Warfare Specialist		

Rate Specific/Department Qualifications (Add)	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**

CERTIFICATIONS

The following post military occupations are similar to the MM-Machinist's Mate Rating. For more information about these occupations, visit NAVY COOL at https://www.cool.navy.mil/usn/.

Occupation (Civilian Employer)
Boilermakers
Bus and Truck Mechanics and Diesel Engine Specialists
Computer, Automated Teller, and Office Machine Repairers
Control and Valve Installers and Repairers, Except Mechanical Door
Cooling and Freezing Equipment Operators and Tenders
Engine and Other Machine Assemblers
First-Line Supervisors of Mechanics, Installers, and Repairers
First-Line Supervisors of Production and Operating Workers
Gas Compressor and Gas Pumping Station Operators
Hazardous Materials Removal Workers
Helpers--Installation, Maintenance, and Repair Workers
Hoist and Winch Operators
Industrial Machinery Mechanics
Insulation Workers, Mechanical
Machinists
Maintenance and Repair Workers, General
Maintenance Workers, Machinery
Mobile Heavy Equipment Mechanics, Except Engines
Pipe Fitters and Steamfitters
Power Plant Operators
Pump Operators, Except Wellhead Pumpers
Refrigeration Mechanics and Installers
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders
Ship Engineers
Stationary Engineers and Boiler Operators
Water and Wastewater Treatment Plant and System Operators

Occupation (Federal Employer)
0871 - Naval Architecture Series
4749 - Maintenance Mechanic
4850 - Bearing Reconditioning
5306 - Air Conditioning Equipment Mechanic
5350 - Production Machinery Mechanic
5402 - Boiler Plant Operating
5415 - Air Conditioning Equipment Operating
5419 - Stationary-Engine Operating
9945 - Refrigeration Engineer
9958 - Evaporator-Utilityman
9963 - Fireman
9964 - Fireman-Watertender

Navy COOL: The following certifications and licenses are applicable to the MM-Machinist's Mate rating. *They may require additional education, training or experience.*

Target paygrade	Certifying Agency	Credential Title	Date Completed
E6	American Society for Quality (ASQ)	Certified Manager of Quality/Organizational Excellence (CMQ/OE)	
E3	American Society for Quality (ASQ)	Certified Quality Improvement Associate (CQIA)	
E4	American Society for Quality (ASQ)	Certified Quality Technician (CQT)	
E5	Electrical Generating Systems Association (EGSA)	Electrical Generator Systems Technician Certification - Apprentice	
E5	International Fluid Power Society (IFPS)	Industrial Hydraulic Mechanic (IHM)	
E5	International Fluid Power Society (IFPS)	Mobile Hydraulic Mechanic (MHM)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level I (CCST-I)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level II (CCST-II)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level III (CCST-III)	
E5	National Institute for Metalworking Skills, Inc (NIMS)	Diemaking Level III	
E6	North American Electric Reliability Corporation (NERC)	System Operator Certification	
E5	North American Technician Excellence (NATE)	Air Conditioning Specialty (Service)	
E5	Professional Evaluation and Certification Board (PECB)	ISO 9001 Foundation - Quality Certification	
E5	Society for Maintenance and Reliability Professionals (SMRP)	Certified Maintenance and Reliability Professionals (CMRP)	
E5	Society for Maintenance and Reliability Professionals (SMRP)	Certified Maintenance and Reliability Technician (CMRT)	
E4	Transportation Security Administration	Transportation Worker Identification Credential (TWIC)	
E4	United States Coast Guard (USCG)	National QMED: Machinist/Pumpman	
E4	Vibration Institute	Certified Balancing Specialist - Category I	
E4	Vibration Institute	Certified Vibration Analyst - Category I	
E5	Vibration Institute	Certified Vibration Analyst - Category II	

Visit Navy COOL at https://www.cool.navy.mil/usn/ for additional Credentials that you may qualify to earn; however funding may be limited to your GI Bill.

UNITED SERVICES MILITARY APPRENTICESHIP PROGRAM (USMAP):

Rank	Apprenticeship	Date Completed
E1 - E9	Boilerhouse Mechanic	
E1 - E9	Bulk Fuel Specialist (Pumper-Gauger)	
E1 - E9	Computer Operator	
E1 - E9	Diesel Mechanic	
E1 - E9	Electronics Mechanic	
E1 - E9	Electronics Mechanic (Any Industry)	
E1 - E9	Hydroelectric-Machinery Mechanic (Utilities)	
E1 - E9	Maintenance Mechanic (Any Industry)	
E1 - E9	Ordnance Artificer (Government Service)	
E1 - E9	Pipe Coverer And Insulator	
E1 - E9	Power-Plant Operator (Utilities)	
E1 - E9	Pump Repairer (Any Industry)	
E1 - E9	Refrigeration Mechanic	
E1 - E9	Refrigeration Mechanic (Any Industry)	
E1 - E9	Water-Treatment-Plant Operator (Waterworks)	

Visit USMAP https://usmap.netc.navy.mil/usmapss/static/index.htm for additional information.

STAY NAVY

REENLIST / EXTEND: Request Chit/Form: _____ Career Waypoints-Reenlistment Approval: _____

Selective Training and Reenlistment (STAR): _____ Guaranteed Assignment in Detailing (GUARD 2000): _____

School as a Reenlistment Incentive: _____ Prior Service Reenlistment Eligibility - Reserve (PRISE-R):_____

Career Management System/Interactive Detailing (CMS/ID): _____

Medical/Dental Screening: _____ Command Recommendation (evaluation): _____ Bonus: _____ Ceremony: _____

Career Waypoints-Reenlistment:

The Command Career Counselor is your local advocate to assist you with the Career Waypoints application process.

- E3-E6 Sailors with less than 14 years of service must submit a Career Waypoint application, regardless of reenlistment intentions. Sailors who do not desire to reenlist will submit an "intends to separate" application. Sailors not eligible for reenlistment will submit a "not eligible" application.
- The Career Waypoints system automatically generates most of the applications needed by Sailors. Applications must be submitted no later than 13 months prior to expiration of active obligated service (EAOS) or as extended (SEAOS). Sailors with less than 24 months of contract time remaining at their projected rotation date (PRD) will submit an application 12 months prior to their PRD. In either case, the Career Waypoints system will automatically generate applications for Sailors 15 months prior to either timeframe. Applications required outside of the established C-Way gates can be submitted as Special Circumstance applications. Examples of when these may be needed include OBLISERVE for special duty, decommissioning or homeport shift.
- The C-Way 3-2-1 Process aligns career decisions with the detailing process. Soft End of Active Obligated Service (SEAOS)/End of Active Obligated Service (EAOS) applications are created by C-Way at the 15 month from SEAOS/EAOS mark and must be submitted by the Command Career Counselor at the 13 month mark. This provides time for the Career Counselor to validate the Sailor's information and to ascertain the Sailors career intentions. The first C-Way review gate occurs from 13 to 10 months from SEAOS/EAOS with career choice options of in-rate, conversion, and Selected Reserve. The second review gate occurs from 9 to 7 months from SEAOS/EAOS with career choice options of conversion and Selected Reserve. From 6 months to 3 months to SEAOS/EAOS the Sailor can only choose Selected Reserve affiliation.
- Monthly reenlistment quotas are limited and must be reserved for our best and brightest Sailors who desire to Stay Navy.
  Sailors must choose one of the following based on their desires and qualifications:
  - Reenlist-in-Rate,
  - Reenlist-in-rate, Willing to Convert
  - Convert only
  - SELRES option
  - Intend to separate
  - Not eligible

In February 2014, C-Way delivered auto-approval capabilities to provide reenlistment decisions on SEAOS/EAOS applications more quickly for eligible ratings. This changed the monthly processing of reenlistment applications as described below.

- If you are in an, "open" rating or a "balanced" rating in an undermanned year group or an E-6, you are eligible for reenlistment, and your application is submitted with correct data it will be auto-approved and returned immediately, and you can reenlist.
- If you are in a "competitive" rating or a balanced rating but not an undermanned year group, then your application will be processed through the monthly Rack and Stack process. Applications submitted in one month are processed in Rack and Stack the following month.
- For Nuclear ratings, all applications are reviewed by enlisted community managers on an ongoing basis throughout the processing month.
- If required data is missing (evaluations, Physical Fitness Assessment (PFA) data, security clearance etc.) the application will be denied with a note to your career counselor regarding what needs to be fixed. It is critical the Command Career Counselor reviews these notes to ensure Sailor's are not disadvantaged in their opportunities for retention.

- Upon completion of the monthly process, Career Waypoints results will be available to command users via the Monthly report section of the Career Waypoints system.
- Additional guidance MILPERSMAN 1440-060, NAVADMIN 149/13, NAVADMIN 150/13, and your Career Counselor

TRANSFER:

15 Months	12 Months	9 Months	6 Months	Orders Received
Career Waypoint____	Career Waypoint____	Career Waypoint____	Accept Orders_____	Screening_____
Exception Family Member___	EFM_____	CMS/ID_____	Reverse Sponsor_____	Obligate_____
CMS/ID_____	CMS/ID_____	SRB_____	Relocation (FFSC) ____	Bonus_____
Continuous Overseas Tours (COT) _____			Medical/Dental_____	
Overseas Tour Extension Incentive Program (OTEIP) _____			SRB_____	

For additional assistance in transfer and relocation, go to the Military HOMEFRONT website: http://www.public.navy.mil/bupers-npc/Pages/default.aspx and visit your Fleet and Family Support Center on base.

SEPARATING/RETIRE:

18 -12 months	6 months	90 days	30 days
Transition GPS _____	MED/DEN _____	Copy of Records_____	Copy of Records _____
Complete DD2648PSD_____	Relocation _____	Microfiche CD_____	PSD_____
Transition Planning_____	Relocation Services (FFSC) _____	Arrange Ceremony_____	MED/DEN _____
	Reserve Affiliation_____	Request Leave / PTDY _____	
	VA/DVA_____		

PHYSICAL FITNESS:

Participate in a year-round physical fitness program to meet Navy fitness and BCA standards. Review and verify accuracy of PFA data in PRIMS within 60 days of the PFA cycle. (PRIMS is accessible through your BUPERS Online Account)

Height_____ Weight_____ If Required (Neck_____ Waist_____ Hips (Female) _____ BCA _____)

Last 2 PRT Cycles: Curl-ups_____/_____ Push-ups_____/_____ Run/Swim/Cardio_____/____ Overall Score_____/_____

List date (if) any PRT/BCA failure(s) over the last 5 years _____/_____ List if any Medical Waiver(s)_____/_____

For more information on Navy Fitness, visit: http://www.navyfitness.org/

PROFESSIONAL MILITARY EDUCATION

(Resident and non-resident coursework designed to enhance a Sailor's general military professional knowledge and abilities)

EDUCATION: (Prior to considering any pursuit of off duty education or program enrollment VISIT YOUR NAVY COLLEGE OFFICE or call the Virtual Education Center (VEC)!!!)

Education Plan Completed (Navy College Office/VEC _____Current Education Level_____

Degree Goal_____
Various distance learning degree options are available using, Sailor and Marine Online Academic Advisor (SMOLAA)

Goal: Date: AA/AS _____ BA/BS _____ Master _____
(Credits to earn a degree - AA/AS: 60 SH/90 QH, BA/BS: 120 SH/180, QH, Master /Doctorate: Variable based on program)

Number of current credits _____ American Council on Education (ACE) recommended credits_____

SOC DNS Agreement _____ Joint Service Transcripts (JST) _____ HS Transcripts_____ College Transcripts_____

Date Degree Obtained: AA/AS _____ BA/BS _____ Master _____ Doctorate _____

For entry into JST, send official transcripts to:
Naval Education and Training Professional Development and Technology Center
Attn: JST Operation Center N615
6490 Saufley Field Road
Pensacola, FL 32509
Phone: 1-877-838-1659
Comm: 757-492-4684
FAX: 757-492-5095
DSN: 492-4684
Email: VEC@navy.mil

VOLUNTARY EDUCATION (Study guides and exam preparations and practice test located on NKO)

Academic skills _____ NCPACE _____CLEP _____DSST _____TA _____MGIB _____Post 9/11 GIB_____

E5 REQUIRED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Petty Officer First Class Selectee Leadership Course - Phase One	Command Delivered	CPPD-LEAD09-003	16 hours	
Petty Officer First Class Selectee Leadership Course - Phase Two (Frocked E-6)	Command Delivered	CPPD-LEAD09-003		
ADAMS for Supervisors	Various Locations	S-501-0120	8 hours	
Ethics Training	Command Delivered			
Required General Military Training Topics For FY 2016 (Standardized Core Training) [1]				
Antiterrorism Level I Awareness	NKO/Command Delivered	CENSECFOR-AT-010-1.0		
Combating Trafficking in Persons General Awareness	NKO/Command Delivered	DOD-CTIP-1.0		
Counterintelligence Awareness and Reporting	NKO/Command Delivered	DOD-CIAR-1.0		
Cyber Awareness Challenge V3	NKO/Command Delivered	DOD-IAA-V13.0		
Operations Security (Uncle Sam's OPSEC)	NKO/Command Delivered	NIOC-USOPSEC-2.0		
Privacy and Personally Identifiable Information	NKO/Command Delivered	DOD-PII-2.0		
Records Management	NKO/Command Delivered	DOR-RM-010-1.1		
Sexual Assault Prevention and Response Awareness (SAPR)	Command Delivered	CPPD-GMT-SAPRA-1.0 CC		
Equal Opportunity/Sexual Harassment/Grievance Procedures [2]	Command Delivered	CPPD-GMT-EOSH-1.0		
Suicide Prevention	Command Delivered	CPPD-GMT-SAP-1.0		
Required General Military Training Topics For FY 2016 (Command-Assigned Readiness –Enhancement topics; biennial periodicity) [3]				
Alcohol, Drug, and Tobacco Awareness	Command Delivered	CPPD-GMT-ADTA-1.0		
Domestic Violence Prevention and Reporting	NKO/Command Delivered	CPPD-GMT-DV-1.0		
Sexual Health and Responsibility	NKO/Command Delivered	CPPD-GMT-SHR-1.0		
Stress Management	Command Delivered	CPPD-GMT-SM-1.0		

1 - Verify GMT topics on NKO GMT web page.
2 - Course should be delivered in conjunction with SAPR. If not practicable, separate training is still required.
3 - Topics to be delivered once per deployment cycle. If deployment cycle is not applicable or exceeds two years between deployments, then deliver once every two years.

E5 REQUIRED COMMUNITY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

E5 RECOMMENDED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Leadership Core Continuum (LCC)	Command Delivered	CPPD10-LCC (Series)	6 hours	
Military Requirements for Petty Officer First Class (EDITION 1/1/1991)		NAVEDTRA 14145		
Basic Enlisted Professional Military Education (BEPME)	NKO	Military DON/ PME	20 hours	
Block 1 Basic EPME - Introduction	NKO	EPME-BASIC-B1		
Block 2 Basic EPME - Navy History and Heritage	NKO	EPME-BASIC-B2		
Block 3 Basic EPME - The Navy Professional	NKO	EPME-BASIC-B3		
Block 4 Basic EPME - Organization and Guidance	NKO	EPME-BASIC-B4		
Block 5 Basic EPME - Planning	NKO	EPME-BASIC-B5		
Block 6 Basic EPME - Regional Expertise and Cultural Awareness	NKO	EPME-BASIC-B6		
Block 7 Basic EPME - Technology for the Warfighter	NKO	EPME-BASIC-B7		
Block 8 Basic EPME - Conclusion	NKO	EPME-BASIC-B8		
Navy Reserve Fundamentals for Active Duty Course	NKO	NAVRESFOR-NRF-3.0	10 hours	
Nutrition	NKO	NMHCI2107V2.1	1 hour	
Culture	NKO or College Course	Foreign Language and Culture	45 hours	
Communication	College Course		45 hours	
English 101	College Course		45 hours	
English Reading	College Course		45 hours	
English Writing	College Course		45 hours	
Geography	College Course		45 hours	
History	College Course		45 hours	
Humanities	College Course		45 hours	
Language and Literature Study Guides	College Course		45 hours	
Math	College Course		45 hours	
Physical Sciences	College Course		45 hours	
Social Sciences	College Course		45 hours	
Recommended General Military Training Topics For FY 2016 (Delivery determined by command discretion) [1]				
Energy Policy	Command Delivered	OPNAV-GMTE-1.0		
Hazing Policy and Prevention	Command Delivered	CPPD-GMT-HPP-1.0		
Operational Risk Management	NKO/Command Delivered	CPPD-GMT-ORM-1.0		
Personal Financial Management	Command Delivered	CPPD-GMT-PFM16-1.0		
Physical Readiness	NKO/Command Delivered	CPPD-GMT-PRT-2.0		

1 - Verify GMT topics on NKO GMT web page.

Courses with Recommended Reserve Points:

Commander Navy Reserve Forces (CNRF) N7 determines the number of reserve points awarded for completion of a course taken on Navy E-Learning. This listing should only be used as a guide and is subject to change by direction of CNFR N7.

Navy E-Learning has no control over how many, if any, reserve points are eventually awarded for the completion of a course. All questions concerning the award of reserve points should be directed to CNFR N7.

E5 RECOMMENDED RESERVE PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
NROWS Orders Administration Course	NKO	R-500-0140/02PG /DoN	8 hours	
Naval Reserve Center Commanding Officer Officer In Charge	NKO	CNRFC-COOIC-1.0 /DoN	8 hours	
Guidance for Mobilization	NKO	CNRFC-GMB-1.1 /DoN	4 hours	
Military Sealift Command 101	NKO	CNRFC-MSC101 /DoN 1.1	24 hours	
Non-Prior Service Accession Program	NKO	CNRFC-NPSAP-2 /DoN 0	23 hours	

E5 RECOMMENDED COMMUNITY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

NAVY PROFESSIONAL READING PROGRAM (PRP)

The purpose of the Reading Program is to facilitate the professional and personal development of all Sailors. For additional information on changes, refer to NAVADMIN 309/12 or visit http://navyreading.dodlive.mil/ or http://navy.lib.overdrive.com/ or https://wwwa.nko.navy.mil

ESSENTIAL READING

WARFIGHTING FIRST	**Completed**
1812: The Navy's War *by George C. Daughan*	
Cybersecurity and Cyberwar: What Everyone Needs to Know *by P.W. Singer*	
SEAL of Honor *by Gary Williams*	
Leading with the Heart *by Mike Krzyzewski, Donald T. Phillips, and Grant Hill*	
The Twilight War *by David Crist*	
Wake of the Wahoo *by Forest J. Sterling*	
OPERATE FORWARD	**Completed**
The Crisis of Islam *by Bernard Lewis*	
Execute Against Japan *by LT Joel Holwitt, USN*	
Monsoon *by Robert Kaplan*	
Neptune's Inferno *by James D. Hornfischer*	
Red Star Over the Pacific *by Toshi Yoshihara and James Holmes*	
Fallout *by Catherine Collins and Douglas Frantz*	
BE READY	**Completed**
A Sailor's History of the U.S. Navy *by Thomas Cutler*	
In the Shadow of Greatness *by Joshua Welle, John Ennis, Katherine Kranz and Graham Plaster*	
Navigating the Seven Seas *by Melvin G. Williams, Sr. and Melvin G. Williams, Jr.*	
The Trident: The Forging and Reforging of a Navy SEAL Leader *by Jason Redman and John Bruning*	
Turn the Ship Around *by David Marquet*	
Wired for War *by P.W. Singer*	

Twenty-four additional books are categorized as "recommended reading," and are available as electronic books (e-books). Many can be downloaded at no cost through the Navy general library program site on Navy Knowledge On-line (NKO).

The entire list, with book summaries and additional information is available at http://navyreading.dodlive.mil/

The CNO-PRP has been streamlined to make our Navy's reading program more interactive, affordable, and wherever possible, electronically accessible. To that end: a number of the titles will be available for free at the NKO portal at https://wwwa.nko.navy.mil.

- Click on the reference tab, then e-library audio and e-books tab.
- In order to download books, an "overdrive" account is required. On the top right, click on the overdrive window and follow the prompts.
- Then, not only are the PRP books available, but also hundreds of other items.

Note: Security restrictions preclude downloading via Navy owned computers, so downloading them to personally-owned devices will be required.

E5 RECOMMENDED COMMUNITY READING

Title	Completed
Basic Military Requirements Manual (BMR) *NAVEDTRA 14325*	
Engineering Apprentice PQS *NAVEDTRA 43701*	
Engineering Fundamentals *NAVEDTRA 43103-A*	
Machinist's Mate (Surface) *NAVEDTRA 14151A*	
Boiler Water/Feedwater Water Chemistry *NSTM 220*	
Boilers *NSTM 221*	
Lubricating Oils, Lubrication Systems *NSTM 262*	
Propulsion and SSTG Steam Turbines *NSTM 231*	
Propulsion Reduction Gears *NSTM 241*	
Inspections, Tests, Records, & Reports *NSTM 090*	
Propulsion Shafting *NSTM 243*	
Propulsion Bearings And Seals *NSTM 244*	
Condensers, Heat Exchangers, & Air Ejectors *NSTM 254*	
Feedwater Systems And DFT *NSTM 255*	
Surface Ship Firefighting *NAVSEA S9086-S3-STM-010/CH 555 V1*	
NSTM TAGOUT Users Manual *NAVSEA S0400-AD-URM-010/TUM*	
U.S. Navy Uniform Regulations *NAVPERS 15665I*	
Naval Military Personnel Manual *NAVPERS 15560D*	
Ships' Maintenance and Material Management (3M) Manual *NAVSEAINST 4790.8 Series*	
Navy Occupational Safety and Occupational Health (SOH) Program Manual for Forces Afloat Vol II Surface Ship Safety Standards *OPNAVINST 5100.19E*	
Physical Readiness Program *OPNAVINST 6110.1J*	
Standard Organization and Regulations of the U.S. Navy (SORM) *OPNAVINST 3120.32 Series*	
Enlisted to Officer Commissioning Programs Application Administrative Manual *OPNAVINST 1420.1B*	
EDORM *COMNAVSURFORINST 3540.3A*	
MM Engineering PQS (Apprentice) *NAVEDTRA 43701*	

Machinist's Mate
Petty Officer First Class
(Journeyman/Master)

NAME_____

SKILL TRAINING

(Schools, courses and assignments directly related to occupation)

REQUIRED SKILL TRAINING

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Future skill training for journeyman level training will be included by EPOC upon successful completion.				

RECOMMENDED SKILL TRAINING

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
General Shipboard Firefighting SCBA	Various	A-495-0416	1 day	
Advanced Shipboard Fire Fighter	Various	V-4N-0001	2 days	
Team Trainer Wet Trainer (Buttercup)	Various	V-9B-0003	1 day	
3M Work Center Supervisor		PQS NAVEDTRA		
QA craftsman/Superviso/Inspector		PQS NAVEDTRA		
BW/FW T/T Chelant Basic/Supervisor	Various	A-651-0019	4 days	
Valve Maintenance	Norfolk, VA / San Diego, CA	A-651-0065	5 days	
Pump Maintenance	Norfolk, VA / San Diego, CA	A-651-0067	12 days	
Shipbd Gage Cal	Various	A-652-0240	5 days	
Air Compressor and Compressed Air Systems Component Maintenance	Norfolk, VA / San Diego, CA	A-651-0070	11 days	
EABC Console Operator (4508)	Various	A-651-0089	11 days	

NAVY ENLISTED CLASSIFICATION CODE (NEC) OPPORTUNITIES

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
4283 - Cryogenics Technician Operator/Maintainer	Norfolk	J-750-0015	72 days	
4204 - Steam Propulsion Maintenance Supervisor	San Diego, CA	A-651-0063	109 days	
4291 - Refrigeration and Air Conditioning Systems	Various	A-720-0010	68 days	
4295 - UNREP Equipment Mechanic	Norfolk	J-690-0028	47 days	
4296 - Shipboard Elevator Hydraulic/Mechanical	Great Lakes	A-690-0100	23 days	
4206 - Shipboard Engineering Plant Program Manager	Various	A-651-0110	12 days	
4508 - EABC Console Operator	Various	A-651-0089	11 days	
4509 - EABC Maintenance Technician	Various	A-651-0088	28 days	

JOB DESCRIPTION

According to the Bureau of Naval Personnel (BUPERS), the job of an MM is to "operate, maintain, and repair (organizational and intermediate level) ship propulsion machinery, auxiliary equipment, and outside machinery, such as: steering engine, hoisting machinery, food preparation equipment, refrigeration and air conditioning equipment, windlasses, elevators, and laundry equipment. Operate and maintain (organizational and Intermediate level) marine boilers, pumps, forced draft blowers, and heat exchangers; perform tests, transfers, and inventory of lubricating oils, fuels, and water. Maintain records and reports, and may perform duties in the generation and stowage of industrial gases." Enlistees are taught the fundamentals of this rating through on-the-job training or formal Navy schooling. Advanced technical and operational training is available in this rating during later stages of career development. -- NAVPERS 18068F

Machinist's Mate (Surface) generally fall into one of Two roles:

Propulsion Mechanics

The core job of an MM is the engine room. A mechanic's job in the engine room is to operate the steam plant that provides propulsion, electric power (along with Electrician's Mates), potable water, and service steam to the ship. MMs operate the boilers that generate the steam (this job was previously done by Boiler Technicians, but the BT rating merged with Machinist's Mates in 2000) and use it to operate main engine (propulsion turbines), turbo generators, distilling units, and various auxiliary turbines. MM's working in the propulsion plants are often referred to as Pit Snipes, or Snipes for short.

Machinist's Mates responsible for the propulsion plant are found in Machinery Division (or Main Engine Division, Main Propulsion Division, etc.. in some ships), commonly referred to simply as M-Division or MP-Division. On surface nuclear ships, propulsion mechanics are found in Reactor Propulsion Division (commonly still referred to as M-Div), Reactor Mechanical Division (RM), Reactor Laboratories Division (RL). The USS Enterprise is the exception, in that M-Division is still part of Engineering Department, as opposed to Reactor Department.

Auxiliary Mechanics

The other major place to find Machinist's Mates is in the Auxiliaries Division of Engineering Department, often referred to as "A-gang". Mechanics in this role work on mechanical equipment outside of the engine rooms, to include the dishwashers in the galley, laundry machines, AC&R (Air Conditioning and Refrigeration) units, O2/N2 (liquid oxygen and nitrogen) units, lifting and hoisting gear, and other equipment as designated by the Engineering Officer (Chief Engineer, or CHENG). Members of "A-Gang" may also help DC Men, Gunner's Mates, or other ratings.

RECOMMENDED BILLET ASSIGNMENTS

Machinist’s Mate work in a variety of climates at sea and ashore. They normally perform their work at sea in a controlled climate, but are often called upon, to work in machinery spaces and flight decks in various sea states and weather conditions.

Other Opportunities:

Joint Assignments, GWOT Support Assignments, Recruiter, Instructor, RDC
DAPA, SARP Counselor, Career Counselor

PERSONAL AND PROFESSIONAL DEVELOPMENT (Completed at reporting 30 day Career Development Board)

Command Address: _____ QD Phone Number: _____

_____

Division Officer: _____ Phone Number: _____

Leading Chief Petty Officer: _____ Phone Number: _____

Leading Petty Officer: _____ Phone Number: _____

Sponsor/Mentor: _____ Phone Number: _____

Depart/Division Career Counselor: _____ Phone Number: _____

ADSD: _____ REPORT DATE: _____ EAOS: _____ PRD: _____ SEA / SHORE: _____/____
PAYGRADE E6 (3 Years time in service required to be eligible for advancement to E-7)

Date Advanced: _____ Eligible Advancement Date: _____ Number of times up: _____ HYT Date: _____

Security Clearance Level: _____ Date Last updated: _____ Command INDOC complete: _____

CAREER DEVELOPMENT BOARDS: Use OPNAVINST 1040.11(ser) & Career Counselor Handbook NAVPERS 15878
(E6) Reason for Convening/Discussion Items: (Upon completion update (CIMS) Career Information Management System)

Reporting (within 30 days for active duty or three drill weekends for SELRES) (Date Conducted): _____

6 Month: _____ 12 Month: _____ 24 Month: _____36 Month: _____48 Month: _____

60 Month: _____ CPO 365: _____ Special Program: _____ Member Request: _____

HYT 24 months (Date): _____ HYT 12 months (Date): _____ HYT Waiver Date: _____Approve/Disapprove

Career Waypoint 15 months to EAOS: _____ Career Waypoint not approved: _____ CMS/ID 13 months to PRD: _____

Rating Conversion: _____ Navy Formal Training Schools Request ("A"/"C"etc): _____

Transfer: _____ Early Separation: _____ Fleet Reserve Retirement Options:_____

Physical Fitness Test Failure: _____ Career Status Bonus (election message received): _____

Advancement Center: Visit NKO Navy Advancement page located under the Career Management Tab
(Items to collect/discuss: Bibliography for Advancement, Enlisted Advancement Exam Strategy Guide, Profile Sheets)

Selection Board Ineligible/Non-Select: _____ Standard Score 40 or less/failed: _____

Enlisted to Officer Commissioning Program Application & Administration Manual OPNAVINST 1420.1(series):

Commissioning Programs Applications: _____ (prior to submission, command endorsement):_____

Naval Academy _____ Naval Academy Preparatory School (NAPS) _____ Limited Duty Officer _____

Officer Candidate School _____ Seaman to Admiral 21 (STA-21) _____

Medical Enlisted Commissioning Program (MECP) _____ Medical Service Corps In-service Procurement _____

Navy Leader Planning Guide: Log on to NKO and select the Leadership Tab to access this guide.

SELECTION BOARD CHECKLIST FOR E6 PROMOTION TO CPO

Step 1 - Review your Official Record to see what documentation, qualifications, etc. may be missing or requiring an update. This should be accomplished every six months after promotion to Second Class. However, it is imperative that this is accomplished six months prior to a selection board. Check the following three major sections to verify your Official Record:

a. **BUPERS Online**: BUPERS Online (https://www.bol.navy.mil) is your main tool to ensure your record is up to date and helps you to be proactive in making the most of your promotion opportunity. You should review your:
   1. **Official Military Personnel File (OMPF)**: All active duty and reserve personnel having a BOL account, a CAC (with appropriate certificates) and a CAC-enabled computer can now view their OMPF online by selecting the OMPF option on the BOL main menu page. This is the preferred method of obtaining OMPF information to eliminate the unnecessary time-lags caused by waiting days or weeks to receive a requested CD ROM.
   2. **If Deployed:** Click on "*Request Record on CD*" to order your Official Military Personnel File (OMPF). This must be accomplished four to six months before a board convenes, which will allow time for delivery and updating of your record if required.
   3. Check your **Performance Summary Record (PSR)** and **Enlisted Summary Record (ESR)** on https://www.bol.navy.mil, click on the "*ODC, OSR, PSR, ESR*" link.
b. **Electronic Service Record (ESR)** Self-Service ESR: This can be viewed at (https://nsips.nmci.navy.mil) or on the Navy Standard Integrated Personnel System (NSIPS) ESR server onboard ship.
c. **Electronic Training Jacket (ETJ)**: Log-on to Navy Knowledge Online (NKO) and review your entire ETJ making sure that each section is correct. If not, clicking on "*Data Problems*" at the bottom of each page which will guide you on how to make corrections or updates.
d. **US Navy Awards website**: Log onto (https://awards.navy.mil/) to review any awards you may qualify for but were unaware of.

Step 2 - Submit appropriate missing documents to the selection board.

a. Selection board packages provide candidates the opportunity to submit any documents missing from the sections of their records which are viewed by the selection boards. MILPERSMAN 1070-080 specifies which documents from the enlisted permanent personnel record are provided to the selection board for review. Any documents the member has verified as missing from those sections of their permanent personnel record may be submitted as a selection board package.
b. For submissions directly to the board and for those circumstances where the eligible candidate cannot get their official record updated and confirmed prior to the selection board convening date:
   1. All correspondence should be on plain white paper for readability; paper clipped (no staples, binders, folders, or tabs) and submitted under cover letter to the president of the board. Candidates must verify the correct subject line and board number (see below) is on their cover letters to ensure their packages appear before the proper board.
   2. Correspondence must include your Full name and SSN, must be affixed and legible on all documents submitted, and must be postmarked not later than that date listed in the associated NAVADMIN and addressed to:

      NAVY PERSONNEL COMMAND CUSTOMER SERVICE CENTER
      PRESIDENT
      FY-**XX ACTIVE/RESERVE** E7 ENLISTED SELECTION BOARD **#XXX**
      5640 TICONDEROGA LOOP BLDG 768 RM E302
      MILLINGTON TN 38055
      (Active = 360 / SELRES = 335 / FTS = 336)

      (Use of special handling mail (certified or registered) is not advised due to significant delays in handling.)

c. Ensure official record reflects any individual augmentation mission. (awards, evals, NEC, etc).
d. Check http://www.npc.navy.mil/Boards/ActiveDutyEnlisted/GeneralInformation.htm to verify that the selection board has received your correspondence (if sent).

NOTE: It is highly recommended that if corrections or updates are made, review your OMPF, or if Deployed, re-order your CD-Rom to confirm changes. (NOTE: Please allow 60 days for changes to take effect)

Step 3 - After reviewing your service record - such as evaluations, awards, qualifications, etc. - start reviewing what you can do to improve yourself, such as:

a. Request a **Career Development Board (CDB)** through your chain of command.
b. Take a good, hard look at the type of **Collateral Duties** you are assigned. Review your command collateral duties instruction and talk with your COC and / or appear before the CDB. Take the tough command duties that provide the most involvement in the command as a whole and that have direct sailor support.
c. Review your current level of education to see how far along you are in earning a **college degree** and pursue **non-resident Navy courses** to expand your level of knowledge. Complete the **Navy e-Learning courses** on **NKO** that are recommended in this document.
d. Check out **OTHER Learning Opportunities** to add to your service record, such as the CANTRAC Volume I (Training Facilities) and CANTRAC Volume II (Course Descriptions). NKO at Learning > Learning Opportunities

Step 4 - Review qualifications that your rating values or requires for advancement and create a plan to earn these important pieces in the professional growth and advancement puzzle. Read the applicable NAVADMIN for additional dates and information, and review previous selection board precepts.

Step 5 - Prepare for the next CPO Advancement Exam cycle in January for Active Duty & February for Reserves as soon as the Bibliography References are posted six months prior in July. Use the Navy Advancement Center info and website listed above in the advancement section.

Step 6 - CPO365 Phase 1 & 2: See your Chief to obtain the current CPO365 Development Guide (CPODG)

Phase 1: Begins September 17 and concludes when the NAVADMIN announcing CPO selection is released. CPO 365 training is not intended to distract or take away from yours or our FCPOs primary duties, but will serve to enhance their ability to lead. It is used to build the foundation in the year round training cycle. Phase 1 sparks the teamwork and initial training to engage the FCPOs on their road to becoming Chief Petty Officers. It is understood that not all FCPOs will promote to CPO. As much as CPO 365 prepares a person to enter the mess, just as importantly - it also helps our FCPOs to be better workcenter supervisors and Leading Petty Officers. For that reason all FCPOs will participate throughout Phase 1&2, regardless of whether they are board-eligible or have participated in previous years.

Phase 2: Begins when the NAVADMIN announcing CPO selection is released and is designed as the final training period to prepare Selectees for entry into the Chiefs' Mess. This phase culminates with the Final Test, followed by a pinning ceremony on September 16, or a suitable date.
As determined to be appropriate by the CPO mess, all FCPOs will continue to participate in some form of CPO 365 training throughout Phase 2 - when and where practical. It is agreed that there will be several instances where CPO Selectees and non Selects will conduct separate sessions.

QUALIFICATIONS AND CERTIFICATIONS

Sea/Shore General Qualifications **Watch Standing Qualifications**	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**
Ship Board Fire Fighting		
Aviation Fire Fighting		
Basic Damage Control		
Advanced Damage Control		
3M 301 Maintenance Person		
3M 302 Repair Parts/Supply Petty Officer		
3M 303 Work Center Supervisor		
3M 304 LCPO/Division Officer		
Messenger of the Watch (MOOW)		
Petty Officer of the Watch (POOW)		
Junior Officer of the Deck (JOOD)		
Personal Qualifications Standard		

Mandatory warfare qualification for enlisted Sailors assigned to designated warfare qualifying commands:

Warfare qualification programs	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**
Surface Warfare Specialist		
Aviation Warfare Specialist		

Rate Specific/Department Qualifications (Add)	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**

CERTIFICATIONS

The following post military occupations are similar to the MM-Machinist's Mate Rating. For more information about these occupations, visit NAVY COOL at https://www.cool.navy.mil/usn/.

Occupation (Civilian Employer)
Boilermakers
Bus and Truck Mechanics and Diesel Engine Specialists
Computer, Automated Teller, and Office Machine Repairers
Control and Valve Installers and Repairers, Except Mechanical Door
Cooling and Freezing Equipment Operators and Tenders
Engine and Other Machine Assemblers
First-Line Supervisors of Mechanics, Installers, and Repairers
First-Line Supervisors of Production and Operating Workers
Gas Compressor and Gas Pumping Station Operators
Hazardous Materials Removal Workers
Helpers--Installation, Maintenance, and Repair Workers
Hoist and Winch Operators
Industrial Machinery Mechanics
Insulation Workers, Mechanical
Machinists
Maintenance and Repair Workers, General
Maintenance Workers, Machinery
Mobile Heavy Equipment Mechanics, Except Engines
Pipe Fitters and Steamfitters
Power Plant Operators
Pump Operators, Except Wellhead Pumpers
Refrigeration Mechanics and Installers
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders
Ship Engineers
Stationary Engineers and Boiler Operators
Water and Wastewater Treatment Plant and System Operators

Occupation (Federal Employer)
0871 - Naval Architecture Series
4749 - Maintenance Mechanic
4850 - Bearing Reconditioning
5306 - Air Conditioning Equipment Mechanic
5350 - Production Machinery Mechanic
5402 - Boiler Plant Operating
5415 - Air Conditioning Equipment Operating
5419 - Stationary-Engine Operating
9945 - Refrigeration Engineer
9958 - Evaporator-Utilityman
9963 - Fireman
9964 - Fireman-Watertender

Navy COOL: The following certifications and licenses are applicable to the MM-Machinist's Mate rating. *They may require additional education, training or experience.*

Target paygrade	Certifying Agency	Credential Title	Date Completed
E6	American Society for Quality (ASQ)	Certified Manager of Quality/Organizational Excellence (CMQ/OE)	
E3	American Society for Quality (ASQ)	Certified Quality Improvement Associate (CQIA)	
E4	American Society for Quality (ASQ)	Certified Quality Technician (CQT)	
E5	Electrical Generating Systems Association (EGSA)	Electrical Generator Systems Technician Certification - Apprentice	
E5	International Fluid Power Society (IFPS)	Industrial Hydraulic Mechanic (IHM)	
E5	International Fluid Power Society (IFPS)	Mobile Hydraulic Mechanic (MHM)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level I (CCST-I)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level II (CCST-II)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level III (CCST-III)	
E5	National Institute for Metalworking Skills, Inc (NIMS)	Diemaking Level III	
E6	North American Electric Reliability Corporation (NERC)	System Operator Certification	
E5	North American Technician Excellence (NATE)	Air Conditioning Specialty (Service)	
E5	Professional Evaluation and Certification Board (PECB)	ISO 9001 Foundation - Quality Certification	
E5	Society for Maintenance and Reliability Professionals (SMRP)	Certified Maintenance and Reliability Professionals (CMRP)	
E5	Society for Maintenance and Reliability Professionals (SMRP)	Certified Maintenance and Reliability Technician (CMRT)	
E4	Transportation Security Administration	Transportation Worker Identification Credential (TWIC)	
E4	United States Coast Guard (USCG)	National QMED: Machinist/Pumpman	
E4	Vibration Institute	Certified Balancing Specialist - Category I	
E4	Vibration Institute	Certified Vibration Analyst - Category I	
E5	Vibration Institute	Certified Vibration Analyst - Category II	

Visit Navy COOL at https://www.cool.navy.mil/usn/ for additional Credentials that you may qualify to earn; however funding may be limited to your GI Bill.

UNITED SERVICES MILITARY APPRENTICESHIP PROGRAM (USMAP):

Rank	Apprenticeship	Date Completed
E1 - E9	Boilerhouse Mechanic	
E1 - E9	Bulk Fuel Specialist (Pumper-Gauger)	
E1 - E9	Computer Operator	
E1 - E9	Diesel Mechanic	
E1 - E9	Electronics Mechanic	
E1 - E9	Electronics Mechanic (Any Industry)	
E1 - E9	Hydroelectric-Machinery Mechanic (Utilities)	
E1 - E9	Maintenance Mechanic (Any Industry)	
E1 - E9	Ordnance Artificer (Government Service)	
E1 - E9	Pipe Coverer And Insulator	
E1 - E9	Power-Plant Operator (Utilities)	
E1 - E9	Pump Repairer (Any Industry)	
E1 - E9	Refrigeration Mechanic	
E1 - E9	Refrigeration Mechanic (Any Industry)	
E1 - E9	Water-Treatment-Plant Operator (Waterworks)	

Visit USMAP https://usmap.netc.navy.mil/usmapss/static/index.htm for additional information.

STAY NAVY

REENLIST / EXTEND: Request Chit/Form: _____ Career Waypoints-Reenlistment Approval: _____

Selective Training and Reenlistment (STAR): _____ Guaranteed Assignment in Detailing (GUARD 2000): _____

School as a Reenlistment Incentive: _____ Prior Service Reenlistment Eligibility - Reserve (PRISE-R):_____

Career Management System/Interactive Detailing (CMS/ID): _____

Medical/Dental Screening: _____ Command Recommendation (evaluation): _____ Bonus: _____ Ceremony: _____

Career Waypoints-Reenlistment:

The Command Career Counselor is your local advocate to assist you with the Career Waypoints application process.

- E3-E6 Sailors with less than 14 years of service must submit a Career Waypoint application, regardless of reenlistment intentions. Sailors who do not desire to reenlist will submit an "intends to separate" application. Sailors not eligible for reenlistment will submit a "not eligible" application.
- The Career Waypoints system automatically generates most of the applications needed by Sailors. Applications must be submitted no later than 13 months prior to expiration of active obligated service (EAOS) or as extended (SEAOS). Sailors with less than 24 months of contract time remaining at their projected rotation date (PRD) will submit an application 12 months prior to their PRD. In either case, the Career Waypoints system will automatically generate applications for Sailors 15 months prior to either timeframe. Applications required outside of the established C-Way gates can be submitted as Special Circumstance applications. Examples of when these may be needed include OBLISERVE for special duty, decommissioning or homeport shift.
- The C-Way 3-2-1 Process aligns career decisions with the detailing process. Soft End of Active Obligated Service (SEAOS)/End of Active Obligated Service (EAOS) applications are created by C-Way at the 15 month from SEAOS/EAOS mark and must be submitted by the Command Career Counselor at the 13 month mark. This provides time for the Career Counselor to validate the Sailor's information and to ascertain the Sailors career intentions. The first C-Way review gate occurs from 13 to 10 months from SEAOS/EAOS with career choice options of in-rate, conversion, and Selected Reserve. The second review gate occurs from 9 to 7 months from SEAOS/EAOS with career choice options of conversion and Selected Reserve. From 6 months to 3 months to SEAOS/EAOS the Sailor can only choose Selected Reserve affiliation.
- Monthly reenlistment quotas are limited and must be reserved for our best and brightest Sailors who desire to Stay Navy.
  Sailors must choose one of the following based on their desires and qualifications:
  - Reenlist-in-Rate,
  - Reenlist-in-rate, Willing to Convert
  - Convert only
  - SELRES option
  - Intend to separate
  - Not eligible

In February 2014, C-Way delivered auto-approval capabilities to provide reenlistment decisions on SEAOS/EAOS applications more quickly for eligible ratings. This changed the monthly processing of reenlistment applications as described below.

- If you are in an, "open" rating or a "balanced" rating in an undermanned year group or an E-6, you are eligible for reenlistment, and your application is submitted with correct data it will be auto-approved and returned immediately, and you can reenlist.
- If you are in a "competitive" rating or a balanced rating but not an undermanned year group, then your application will be processed through the monthly Rack and Stack process. Applications submitted in one month are processed in Rack and Stack the following month.
- For Nuclear ratings, all applications are reviewed by enlisted community managers on an ongoing basis throughout the processing month.
- If required data is missing (evaluations, Physical Fitness Assessment (PFA) data, security clearance etc.) the application will be denied with a note to your career counselor regarding what needs to be fixed. It is critical the Command Career Counselor reviews these notes to ensure Sailor's are not disadvantaged in their opportunities for retention.

- Upon completion of the monthly process, Career Waypoints results will be available to command users via the Monthly report section of the Career Waypoints system.
- Additional guidance MILPERSMAN 1440-060, NAVADMIN 149/13, NAVADMIN 150/13, and your Career Counselor

TRANSFER:

15 Months	12 Months	9 Months	6 Months	Orders Received
Career Waypoint____	Career Waypoint____	Career Waypoint____	Accept Orders_____	Screening_____
Exception Family Member___	EFM_____	CMS/ID_____	Reverse Sponsor_____	Obligate_____
CMS/ID_____	CMS/ID_____	SRB_____	Relocation (FFSC) ____	Bonus_____
Continuous Overseas Tours (COT) _____			Medical/Dental_____	
Overseas Tour Extension Incentive Program (OTEIP) _____			SRB_____	

For additional assistance in transfer and relocation, go to the Military HOMEFRONT website: http://www.public.navy.mil/bupers-npc/Pages/default.aspx and visit your Fleet and Family Support Center on base.

SEPARATING/RETIRE:

18 -12 months	6 months	90 days	30 days
Transition GPS _____	MED/DEN _____	Copy of Records_____	Copy of Records _____
Complete DD2648PSD_____	Relocation _____	Microfiche CD_____	PSD_____
Transition Planning_____	Relocation Services (FFSC) _____	Arrange Ceremony_____	MED/DEN _____
	Reserve Affiliation_____	Request Leave / PTDY _____	
	VA/DVA_____		

PHYSICAL FITNESS:

Participate in a year-round physical fitness program to meet Navy fitness and BCA standards. Review and verify accuracy of PFA data in PRIMS within 60 days of the PFA cycle. (PRIMS is accessible through your BUPERS Online Account)

Height_____ Weight_____ If Required (Neck_____ Waist_____ Hips (Female) _____ BCA _____)

Last 2 PRT Cycles: Curl-ups_____/_____ Push-ups_____/_____ Run/Swim/Cardio_____/____ Overall Score_____/_____

List date (if) any PRT/BCA failure(s) over the last 5 years _____/_____ List if any Medical Waiver(s)_____/_____

For more information on Navy Fitness, visit: http://www.navyfitness.org/

PROFESSIONAL MILITARY EDUCATION

(Resident and non-resident coursework designed to enhance a Sailor's general military professional knowledge and abilities)

EDUCATION: (Prior to considering any pursuit of off duty education or program enrollment VISIT YOUR NAVY COLLEGE OFFICE or call the Virtual Education Center (VEC)!!!)

Education Plan Completed (Navy College Office/VEC _____Current Education Level_____

Degree Goal_____
Various distance learning degree options are available using, Sailor and Marine Online Academic Advisor (SMOLAA)

Goal: Date: AA/AS _____ BA/BS _____ Master _____
(Credits to earn a degree - AA/AS: 60 SH/90 QH, BA/BS: 120 SH/180, QH, Master /Doctorate: Variable based on program)

Number of current credits _____ American Council on Education (ACE) recommended credits_____

SOC DNS Agreement _____ Joint Service Transcripts (JST) _____ HS Transcripts_____ College Transcripts_____

Date Degree Obtained: AA/AS _____ BA/BS _____ Master _____ Doctorate _____

For entry into JST, send official transcripts to:
Naval Education and Training Professional Development and Technology Center
Attn: JST Operation Center N615
6490 Saufley Field Road
Pensacola, FL 32509
Phone: 1-877-838-1659
Comm: 757-492-4684
FAX: 757-492-5095
DSN: 492-4684
Email: VEC@navy.mil

VOLUNTARY EDUCATION (Study guides and exam preparations and practice test located on NKO)

Academic skills _____ NCPACE _____CLEP _____DSST _____TA _____MGIB _____Post 9/11 GIB_____

E6 REQUIRED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Chief Petty Officer Selectee Leadership Course	Command Delivered	CPPD-LEAD09-004	30 hours	
ADAMS for Supervisors	Various Locations	S-501-0120	8 hours	
ADAMS for Facilitators	Various Locations	S-501-0110	16 hours	
Ethics Training	Command Delivered			
Required General Military Training Topics For FY 2016 (Standardized Core Training) [1]				
Antiterrorism Level I Awareness	NKO/Command Delivered	CENSECFOR-AT-010-1.0		
Combating Trafficking in Persons General Awareness	NKO/Command Delivered	DOD-CTIP-1.0		
Counterintelligence Awareness and Reporting	NKO/Command Delivered	DOD-CIAR-1.0		
Cyber Awareness Challenge V3	NKO/Command Delivered	DOD-IAA-V13.0		
Operations Security (Uncle Sam's OPSEC)	NKO/Command Delivered	NIOC-USOPSEC-2.0		
Privacy and Personally Identifiable Information	NKO/Command Delivered	DOD-PII-2.0		
Records Management	NKO/Command Delivered	DOR-RM-010-1.1		
Sexual Assault Prevention and Response Awareness (SAPR)	Command Delivered	CPPD-GMT-SAPRA-1.0 CC		
Equal Opportunity/Sexual Harassment/Grievance Procedures [2]	Command Delivered	CPPD-GMT-EOSH-1.0		
Suicide Prevention	Command Delivered	CPPD-GMT-SAP-1.0		
Required General Military Training Topics For FY 2016 (Command-Assigned Readiness –Enhancement topics; biennial periodicity) [3]				
Alcohol, Drug, and Tobacco Awareness	Command Delivered	CPPD-GMT-ADTA-1.0		
Domestic Violence Prevention and Reporting	NKO/Command Delivered	CPPD-GMT-DV-1.0		
Sexual Health and Responsibility	NKO/Command Delivered	CPPD-GMT-SHR-1.0		
Stress Management	Command Delivered	CPPD-GMT-SM-1.0		

1 - Verify GMT topics on NKO GMT web page.
2 - Course should be delivered in conjunction with SAPR. If not practicable, separate training is still required.
3 - Topics to be delivered once per deployment cycle. If deployment cycle is not applicable or exceeds two years between deployments, then deliver once every two years.

E6 REQUIRED COMMUNITY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

E6 RECOMMENDED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Leadership Core Continuum (LCC)	Command Delivered	CPPD10-LCC (Series)	6 hours	
Military Requirements for Chief Petty Officer (EDITION 1/1/1991)		NAVEDTRA 14144		
Basic Enlisted Professional Military Education (BEPME)	NKO	Military DON/ PME	20 hours	
Block 1 Basic EPME - Introduction	NKO	EPME-BASIC-B1		
Block 2 Basic EPME - Navy History and Heritage	NKO	EPME-BASIC-B2		
Block 3 Basic EPME - The Navy Professional	NKO	EPME-BASIC-B3		
Block 4 Basic EPME - Organization and Guidance	NKO	EPME-BASIC-B4		
Block 5 Basic EPME - Planning	NKO	EPME-BASIC-B5		
Block 6 Basic EPME - Regional Expertise and Cultural Awareness	NKO	EPME-BASIC-B6		
Block 7 Basic EPME - Technology for the Warfighter	NKO	EPME-BASIC-B7		
Block 8 Basic EPME - Conclusion	NKO	EPME-BASIC-B8		
Navy Reserve Fundamentals for Active Duty Course	NKO	NAVRESFOR-NRF-3.0	10 hours	
Nutrition	NKO	NMHCI2107V2.1	1 hour	
Culture	NKO or College Course	Foreign Language and Culture	45 hours	
Communication	College Course		45 hours	
English 101	College Course		45 hours	
English Reading	College Course		45 hours	
English Writing	College Course		45 hours	
Geography	College Course		45 hours	
History	College Course		45 hours	
Humanities	College Course		45 hours	
Language and Literature Study Guides	College Course		45 hours	
Math	College Course		45 hours	
Physical Sciences	College Course		45 hours	
Social Sciences	College Course		45 hours	
Speech	College Course		45 hours	
Recommended General Military Training Topics For FY 2016 (Delivery determined by command discretion) [1]				
Energy Policy	Command Delivered	OPNAV-GMTE-1.0		
Hazing Policy and Prevention	Command Delivered	CPPD-GMT-HPP-1.0		
Operational Risk Management	NKO/Command Delivered	CPPD-GMT-ORM-1.0		
Personal Financial Management	Command Delivered	CPPD-GMT-PFM16-1.0		
Physical Readiness	NKO/Command Delivered	CPPD-GMT-PRT-2.0		

1 - Verify GMT topics on NKO GMT web page.

Courses with Recommended Reserve Points:

Commander Navy Reserve Forces (CNRF) N7 determines the number of reserve points awarded for completion of a course taken on Navy E-Learning. This listing should only be used as a guide and is subject to change by direction of CNFR N7.

Navy E-Learning has no control over how many, if any, reserve points are eventually awarded for the completion of a course. All questions concerning the award of reserve points should be directed to CNFR N7.

E6 RECOMMENDED RESERVE PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
NROWS Orders Administration Course	NKO	R-500-0140/02PG /DoN	8 hours	
Naval Reserve Center Commanding Officer Officer In Charge	NKO	CNRFC-COOIC-1.0 /DoN	8 hours	
Guidance for Mobilization	NKO	CNRFC-GMB-1.1 /DoN	4 hours	
Military Sealift Command 101	NKO	CNRFC-MSC101 /DoN 1.1	24 hours	
Non-Prior Service Accession Program	NKO	CNRFC-NPSAP-2 /DoN 0	23 hours	

E6 RECOMMENDED COMMUNITY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

NAVY PROFESSIONAL READING PROGRAM (PRP)

The purpose of the Reading Program is to facilitate the professional and personal development of all Sailors. For additional information on changes, refer to NAVADMIN 309/12 or visit http://navyreading.dodlive.mil/ or http://navy.lib.overdrive.com/ or https://wwwa.nko.navy.mil

ESSENTIAL READING

WARFIGHTING FIRST	**Completed**
1812: The Navy's War *by George C. Daughan*	
Cybersecurity and Cyberwar: What Everyone Needs to Know *by P.W. Singer*	
SEAL of Honor *by Gary Williams*	
Leading with the Heart *by Mike Krzyzewski, Donald T. Phillips, and Grant Hill*	
The Twilight War *by David Crist*	
Wake of the Wahoo *by Forest J. Sterling*	
OPERATE FORWARD	**Completed**
The Crisis of Islam *by Bernard Lewis*	
Execute Against Japan *by LT Joel Holwitt, USN*	
Monsoon *by Robert Kaplan*	
Neptune's Inferno *by James D. Hornfischer*	
Red Star Over the Pacific *by Toshi Yoshihara and James Holmes*	
Fallout *by Catherine Collins and Douglas Frantz*	
BE READY	**Completed**
A Sailor's History of the U.S. Navy *by Thomas Cutler*	
In the Shadow of Greatness *by Joshua Welle, John Ennis, Katherine Kranz and Graham Plaster*	
Navigating the Seven Seas *by Melvin G. Williams, Sr. and Melvin G. Williams, Jr.*	
The Trident: The Forging and Reforging of a Navy SEAL Leader *by Jason Redman and John Bruning*	
Turn the Ship Around *by David Marquet*	
Wired for War *by P.W. Singer*	

Twenty-four additional books are categorized as "recommended reading," and are available as electronic books (e-books). Many can be downloaded at no cost through the Navy general library program site on Navy Knowledge On-line (NKO).

The entire list, with book summaries and additional information is available at http://navyreading.dodlive.mil/

The CNO-PRP has been streamlined to make our Navy's reading program more interactive, affordable, and wherever possible, electronically accessible. To that end: a number of the titles will be available for free at the NKO portal at https://wwwa.nko.navy.mil.

- Click on the reference tab, then e-library audio and e-books tab.
- In order to download books, an "overdrive" account is required. On the top right, click on the overdrive window and follow the prompts.
- Then, not only are the PRP books available, but also hundreds of other items.

Note: Security restrictions preclude downloading via Navy owned computers, so downloading them to personally-owned devices will be required.

E6 RECOMMENDED COMMUNITY READING

Title	Completed
Basic Military Requirements Manual (BMR) *NAVEDTRA 14325*	
Engineering Journeyman PQS *NAVEDTRA 43702*	
Engineering Fundamentals *NAVEDTRA 43103-A*	
Boiler Water/Feedwater Water Chemistry *NSTM 220*	
Boilers *NSTM 221*	
Lubricating Oils, Lubrication Systems *NSTM 262*	
Propulsion and SSTG Steam Turbines *NSTM 231*	
Propulsion Reduction Gears *NSTM 241*	
Inspections, Tests, Records, & Reports *NSTM 090*	
Propulsion Shafting *NSTM 243*	
Propulsion Bearings And Seals *NSTM 244*	
Condensers, Heat Exchangers, & Air Ejectors *NSTM 254*	
Feedwater Systems And DFT *NSTM 255*	
NSTM 077 Rev 7 Personnel Protective Equip *S9086-CL-STM-010*	
Portable Water Systems *NSTM 533*	
Ship Fuel and Fuel Systems *NSTM 541*	
Surface Ship Firefighting *NAVSEA S9086-S3-STM-010/CH 555 V1*	
NSTM TAGOUT Users Manual *NAVSEA S0400-AD-URM-010/TUM*	
U.S. Navy Uniform Regulations *NAVPERS 15665I*	
Naval Military Personnel Manual *NAVPERS 15560D*	
Ships' Maintenance and Material Management (3M) Manual *NAVSEAINST 4790.8 Series*	
Navy Occupational Safety and Occupational Health (SOH) Program Manual for Forces Afloat Vol II Surface Ship Safety Standards *OPNAVINST 5100.19E*	
Physical Readiness Program *OPNAVINST 6110.1J*	
Standard Organization and Regulations of the U.S. Navy (SORM) *OPNAVINST 3120.32 Series*	
Enlisted to Officer Commissioning Programs Application Administrative Manual *OPNAVINST 1420.1B*	
EDORM *COMNAVSURFORINST 3540.3A*	
MM Engineering PQS (Apprentice) *NAVEDTRA 43701*	
MM Engineering PQS (Jouneyman) *NAVEDTRA 43702*	

Machinist's Mate
Chief Petty Officer
(Master)

NAME_____

SKILL TRAINING

(Schools, courses and assignments directly related to occupation)

REQUIRED SKILL TRAINING

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

RECOMMENDED SKILL TRAINING

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
General Shipboard Firefighting SCBA	Various	A-495-0416	1 day	
Advanced Shipboard Fire Fighter	Various	V-4N-0001	2 days	
Team Trainer Wet Trainer (Buttercup)	Various	V-9B-0003	1 day	
Repair Party Leader	Various	K-495-0040	9 days	
QAI	Various	A-557-0001	5 days	
SEPEC	Various	A-651-0110	12 days	
DAPA	Various	S-501-0100	5 days	
CMEO/EEO	Various	A-500-0009	5 days	
ADAMS (facilitator)	Various	S-501-0110	3 days	

NAVY ENLISTED CLASSIFICATION CODE (NEC) OPPORTUNITIES

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
4283 - Cryogenics Technician Operator/Maintainer	Norfolk	J-750-0015	72 days	
4204 - Steam Propulsion Maintenance Supervisor	San Diego, CA	A-651-0063	109 days	
4291 - Refrigeration and Air Conditioning Systems	Various	A-720-0010	68 days	
4295 - UNREP Equipment Mechanic	Norfolk	J-690-0028	47 days	
4296 - Shipboard Elevator Hydraulic/Mechanical	Great Lakes	A-690-0100	23 days	
4206 - Shipboard Engineering Plant Program Manager	Various	A-651-0110	12 days	
4502 - Boiler Repair Techician	San Diego	K-651-0109	33 days	
4503 - Main Propulsion Steam Generating Plant Inspector	San Diego	K-651-2151	33 days	
4508 - EABC Console Operator	Various	A-651-0089	11 days	
4509 - EABC Maintenance Technician	Various	A-651-0088	28 days	

JOB DESCRIPTION

According to the Bureau of Naval Personnel (BUPERS), the job of an MM is to "operate, maintain, and repair (organizational and intermediate level) ship propulsion machinery, auxiliary equipment, and outside machinery, such as: steering engine, hoisting machinery, food preparation equipment, refrigeration and air conditioning equipment, windlasses, elevators, and laundry equipment. Operate and maintain (organizational and Intermediate level) marine boilers, pumps, forced draft blowers, and heat exchangers; perform tests, transfers, and inventory of lubricating oils, fuels, and water. Maintain records and reports, and may perform duties in the generation and stowage of industrial gases." Enlistees are taught the fundamentals of this rating through on-the-job training or formal Navy schooling. Advanced technical and operational training is available in this rating during later stages of career development. -- NAVPERS 18068F

Machinist's Mate (Surface) generally fall into one of Two roles:

Propulsion Mechanics

The core job of an MM is the engine room. A mechanic's job in the engine room is to operate the steam plant that provides propulsion, electric power (along with Electrician's Mates), potable water, and service steam to the ship. MMs operate the boilers that generate the steam (this job was previously done by Boiler Technicians, but the BT rating merged with Machinist's Mates in 2000) and use it to operate main engine (propulsion turbines), turbo generators, distilling units, and various auxiliary turbines. MM's working in the propulsion plants are often referred to as Pit Snipes, or Snipes for short.

Machinist's Mates responsible for the propulsion plant are found in Machinery Division (or Main Engine Division, Main Propulsion Division, etc.. in some ships), commonly referred to simply as M-Division or MP-Division. On surface nuclear ships, propulsion mechanics are found in Reactor Propulsion Division (commonly still referred to as M-Div), Reactor Mechanical Division (RM), Reactor Laboratories Division (RL). The USS Enterprise is the exception, in that M-Division is still part of Engineering Department, as opposed to Reactor Department.

Auxiliary Mechanics

The other major place to find Machinist's Mates is in the Auxiliaries Division of Engineering Department, often referred to as "A-gang". Mechanics in this role work on mechanical equipment outside of the engine rooms, to include the dishwashers in the galley, laundry machines, AC&R (Air Conditioning and Refrigeration) units, O2/N2 (liquid oxygen and nitrogen) units, lifting and hoisting gear, and other equipment as designated by the Engineering Officer (Chief Engineer, or CHENG). Members of "A-Gang" may also help DC Men, Gunner's Mates, or other ratings.

RECOMMENDED BILLET ASSIGNMENTS

Machinist’s Mates work in a variety of climates at sea and ashore. They normally perform their work at sea in a controlled climate, but are often called upon, to work in machinery spaces and flight decks in various sea states and weather conditions.

Other Opportunities:

Joint Assignments, GWOT Support Assignments, Recruiter, Instructor, RDC, DAPA
SARP, Career Counselor

PERSONAL AND PROFESSIONAL DEVELOPMENT (Completed at reporting 30 day Career Development Board)

Command Address: _____ QD Phone Number: _____

_____

Division Officer: _____ Phone Number: _____

Leading Chief Petty Officer: _____ Phone Number: _____

Leading Petty Officer: _____ Phone Number: _____

Sponsor/Mentor: _____ Phone Number: _____

Depart/Division Career Counselor: _____ Phone Number: _____

ADSD: _____ REPORT DATE: _____ EAOS: _____ PRD: _____ SEA / SHORE: _____/____
PAYGRADE E7 (3 Years time in service required to be eligible for advancement to E-8)

Date Advanced: _____ Eligible Advancement Date: _____ Number of times up: _____ HYT Date: _____

Security Clearance Level: _____ Date Last updated: _____ Command INDOC complete: _____

CAREER DEVELOPMENT BOARDS: Use OPNAVINST 1040.11(ser) & Career Counselor Handbook NAVPERS 15878
(E7) Reason for Convening/Discussion Items: (Upon completion update (CIMS) Career Information Management System)

Reporting (within 30 days for active duty or three drill weekends for SELRES) (Date Conducted): _____

6 Month: _____ 12 Month: _____ 24 Month: _____36 Month: _____48 Month: _____

60 Month: _____ CPO 365: _____ Special Program: _____ Member Request: _____

HYT 24 months (Date): _____ HYT 12 months (Date): _____ HYT Waiver Date: _____Approve/Disapprove

CMS/ID 13 months to PRD: _____ Transfer: _____

Rating Conversion: _____ Navy Formal Training Schools Request ("A"/"C"etc): _____

Early Separation: _____ Fleet Reserve Retirement Options:_____

Physical Fitness Test Failure: _____ Career Status Bonus (election message received): _____

Advancement Center: Visit NKO Navy Advancement page located under the Career Management Tab
(Items to collect/discuss: Bibliography for Advancement, Enlisted Advancement Exam Strategy Guide, Profile Sheets)

Non-Select: _____

Enlisted to Officer Commissioning Program Application & Administration Manual OPNAVINST 1420.1(series):

Commissioning Programs Applications: _____ (prior to submission, command endorsement):_____

Medical Enlisted Commissioning Program (MECP) _____ Medical Service Corps In-service Procurement _____

Officer Candidate School _____ Limited Duty Officer _____ Chief Warrant Officer _____

Navy Leader Planning Guide: Log on to NKO and select the Leadership Tab to access this guide.

SELECTION BOARD CHECKLIST FOR CPO PROMOTION TO SCPO

Step 1 - Review your Official Record to see what documentation, qualifications, etc. may be missing or requiring an update. This should be accomplished every six months after promotion to Second Class. However, it is imperative that this is accomplished six months prior to a selection board. Check the following three major sections to verify your Official Record:

a. **BUPERS Online**: BUPERS Online (https://www.bol.navy.mil) is your main tool to ensure your record is up to date and helps you to be proactive in making the most of your promotion opportunity. You should review your:
   1. **Official Military Personnel File (OMPF)**: All active duty and reserve personnel having a BOL account, a CAC (with appropriate certificates) and a CAC-enabled computer can now view their OMPF online by selecting the OMPF option on the BOL main menu page. This is the preferred method of obtaining OMPF information to eliminate the unnecessary time-lags caused by waiting days or weeks to receive a requested CD ROM.
   2. **If Deployed:** Click on "*Request Record on CD*" to order your Official Military Personnel File (OMPF). This must be accomplished four to six months before a board convenes, which will allow time for delivery and updating of your record if required.
   3. Check your **Performance Summary Record (PSR)** and **Enlisted Summary Record (ESR)** on https://www.bol.navy.mil, click on the "*ODC, OSR, PSR, ESR*" link.
b. **Electronic Service Record (ESR)** Self-Service ESR: This can be viewed at (https://nsips.nmci.navy.mil) or on the Navy Standard Integrated Personnel System (NSIPS) ESR server onboard ship.
c. **Electronic Training Jacket (ETJ)**: Log-on to Navy Knowledge Online (NKO) and review your entire ETJ making sure that each section is correct. If not, clicking on "*Data Problems*" at the bottom of each page which will guide you on how to make corrections or updates.
d. **US Navy Awards website**: Log onto (https://awards.navy.mil/) to review any awards you may qualify for but were unaware of.

Step 2 - Submit appropriate missing documents to the selection board.

a. Selection board packages provide candidates the opportunity to submit any documents missing from the sections of their records which are viewed by the selection boards. MILPERSMAN 1070-080 specifies which documents from the enlisted permanent personnel record are provided to the selection board for review. Any documents the member has verified as missing from those sections of their permanent personnel record may be submitted as a selection board package.
b. For submissions directly to the board and for those circumstances where the eligible candidate cannot get their official record updated and confirmed prior to the selection board convening date:
   1. All correspondence should be on plain white paper for readability; paper clipped (no staples, binders, folders, or tabs) and submitted under cover letter to the president of the board. Candidates must verify the correct subject line and board number (see below) is on their cover letters to ensure their packages appear before the proper board.
   2. Correspondence must include your Full name and SSN, must be affixed and legible on all documents submitted, and must be postmarked not later than that date listed in the associated NAVADMIN and addressed to:

      NAVY PERSONNEL COMMAND CUSTOMER SERVICE CENTER
      PRESIDENT
      FY-**XX ACTIVE/RESERVE** E8 ENLISTED SELECTION BOARD **#XXX**
      5640 TICONDEROGA LOOP BLDG 768 RM E302
      MILLINGTON TN 38055
      (Active = 235 / SELRES = 205 / FTS = 206)

      (Use of special handling mail (certified or registered) is not advised due to significant delays in handling.)

c. Ensure official record reflects any individual augmentation mission. (awards, evals, NEC, etc).
d. Check http://www.npc.navy.mil/Boards/ActiveDutyEnlisted/GeneralInformation.htm to verify that the selection board has received your correspondence (if sent).

NOTE: It is highly recommended that if corrections or updates are made, review your OMPF, or if Deployed, re-order your CD-Rom to confirm changes. (NOTE: Please allow 60 days for changes to take effect)

Step 3 - After reviewing your service record - such as evaluations, awards, qualifications, etc. - start reviewing what you can do to improve yourself, such as:

a. Request a **Career Development Board (CDB)** through your chain of command.
b. Take a good, hard look at the type of **Collateral Duties** you are assigned. Review your command collateral duties instruction and talk with your COC and / or appear before the CDB. Take the tough command duties that provide the most involvement in the command as a whole and that have direct sailor support.
c. Review your current level of education to see how far along you are in earning a **college degree** and pursue **non-resident Navy courses** to expand your level of knowledge. Complete the **Navy e-Learning courses** on **NKO** that are recommended in this document.
d. Check out **OTHER Learning Opportunities** to add to your service record, such as the CANTRAC Volume I (Training Facilities) and CANTRAC Volume II (Course Descriptions). NKO at Learning > Learning Opportunities

Step 4 - Review qualifications that your rating values or requires for advancement and create a plan to earn these important pieces in the professional growth and advancement puzzle. Read the applicable NAVADMIN for additional dates and information, and review previous selection board precepts.

QUALIFICATIONS AND CERTIFICATIONS

Sea/Shore General Qualifications **Watch Standing Qualifications**	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**
Ship Board Fire Fighting		
Aviation Fire Fighting		
Basic Damage Control		
Advanced Damage Control		
3M 303 Work Center Supervisor		
3M 304 LCPO/Division Officer		
Section Leader		
Officer of the Deck (OOD) (In Port)		
Command Duty Officer (CDO)		
Junior Officer of the Deck (JOOD) (At Sea)		
Officer of the Deck (OOD) (At Sea)		
Personal Qualifications Standard		

Mandatory warfare qualification for enlisted Sailors assigned to designated warfare qualifying commands:

Warfare qualification programs	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**
Surface Warfare Specialist		
Aviation Warfare Specialist		

Rate Specific/Department Qualifications (Add)	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**

CERTIFICATIONS

The following post military occupations are similar to the MM-Machinist's Mate Rating. For more information about these occupations, visit NAVY COOL at https://www.cool.navy.mil/usn/.

Occupation (Civilian Employer)
Boilermakers
Bus and Truck Mechanics and Diesel Engine Specialists
Computer, Automated Teller, and Office Machine Repairers
Control and Valve Installers and Repairers, Except Mechanical Door
Cooling and Freezing Equipment Operators and Tenders
Engine and Other Machine Assemblers
First-Line Supervisors of Mechanics, Installers, and Repairers
First-Line Supervisors of Production and Operating Workers
Gas Compressor and Gas Pumping Station Operators
Hazardous Materials Removal Workers
Helpers--Installation, Maintenance, and Repair Workers
Hoist and Winch Operators
Industrial Machinery Mechanics
Insulation Workers, Mechanical
Machinists
Maintenance and Repair Workers, General
Maintenance Workers, Machinery
Mobile Heavy Equipment Mechanics, Except Engines
Pipe Fitters and Steamfitters
Power Plant Operators
Pump Operators, Except Wellhead Pumpers
Refrigeration Mechanics and Installers
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders
Ship Engineers
Stationary Engineers and Boiler Operators
Water and Wastewater Treatment Plant and System Operators

Occupation (Federal Employer)
0871 - Naval Architecture Series
4749 - Maintenance Mechanic
4850 - Bearing Reconditioning
5306 - Air Conditioning Equipment Mechanic
5350 - Production Machinery Mechanic
5402 - Boiler Plant Operating
5415 - Air Conditioning Equipment Operating
5419 - Stationary-Engine Operating
9945 - Refrigeration Engineer
9958 - Evaporator-Utilityman
9963 - Fireman
9964 - Fireman-Watertender

Navy COOL: The following certifications and licenses are applicable to the MM-Machinist's Mate rating. *They may require additional education, training or experience.*

Target paygrade	Certifying Agency	Credential Title	Date Completed
E6	American Society for Quality (ASQ)	Certified Manager of Quality/Organizational Excellence (CMQ/OE)	
E3	American Society for Quality (ASQ)	Certified Quality Improvement Associate (CQIA)	
E4	American Society for Quality (ASQ)	Certified Quality Technician (CQT)	
E5	Electrical Generating Systems Association (EGSA)	Electrical Generator Systems Technician Certification - Apprentice	
E5	International Fluid Power Society (IFPS)	Industrial Hydraulic Mechanic (IHM)	
E5	International Fluid Power Society (IFPS)	Mobile Hydraulic Mechanic (MHM)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level I (CCST-I)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level II (CCST-II)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level III (CCST-III)	
E5	National Institute for Metalworking Skills, Inc (NIMS)	Diemaking Level III	
E6	North American Electric Reliability Corporation (NERC)	System Operator Certification	
E5	North American Technician Excellence (NATE)	Air Conditioning Specialty (Service)	
E5	Professional Evaluation and Certification Board (PECB)	ISO 9001 Foundation - Quality Certification	
E5	Society for Maintenance and Reliability Professionals (SMRP)	Certified Maintenance and Reliability Professionals (CMRP)	
E5	Society for Maintenance and Reliability Professionals (SMRP)	Certified Maintenance and Reliability Technician (CMRT)	
E4	Transportation Security Administration	Transportation Worker Identification Credential (TWIC)	
E4	United States Coast Guard (USCG)	National QMED: Machinist/Pumpman	
E4	Vibration Institute	Certified Balancing Specialist - Category I	
E4	Vibration Institute	Certified Vibration Analyst - Category I	
E5	Vibration Institute	Certified Vibration Analyst - Category II	

Visit Navy COOL at https://www.cool.navy.mil/usn/ for additional Credentials that you may qualify to earn; however funding may be limited to your GI Bill.

UNITED SERVICES MILITARY APPRENTICESHIP PROGRAM (USMAP):

Rank	Apprenticeship	Date Completed
E1 - E9	Boilerhouse Mechanic	
E1 - E9	Bulk Fuel Specialist (Pumper-Gauger)	
E1 - E9	Computer Operator	
E1 - E9	Diesel Mechanic	
E1 - E9	Electronics Mechanic	
E1 - E9	Electronics Mechanic (Any Industry)	
E1 - E9	Hydroelectric-Machinery Mechanic (Utilities)	
E1 - E9	Maintenance Mechanic (Any Industry)	
E1 - E9	Ordnance Artificer (Government Service)	
E1 - E9	Pipe Coverer And Insulator	
E1 - E9	Power-Plant Operator (Utilities)	
E1 - E9	Pump Repairer (Any Industry)	
E1 - E9	Refrigeration Mechanic	
E1 - E9	Refrigeration Mechanic (Any Industry)	
E1 - E9	Water-Treatment-Plant Operator (Waterworks)	

Visit USMAP https://usmap.netc.navy.mil/usmapss/static/index.htm for additional information.

STAY NAVY

REENLIST / EXTEND: Request Chit/Form: _____ Guaranteed Assignment in Detailing (GUARD 2000): _____

Career Management System/Interactive Detailing (CMS/ID): _____ Medical/Dental Screening: _____

Command Recommendation (evaluation): _____ Bonus: _____ Ceremony: _____

TRANSFER:

15 Months	12 Months	9 Months	6 Months	Orders Received
Exception Family Member_____	EFM____	CMS/ID____	Accept Orders_____	Screening_____
CMS/ID_____	CMS/ID_____		Reverse Sponsor_____	Obligate_____
Continuous Overseas Tours (COT) _____			Relocation (FFSC) ____	Bonus_____
Overseas Tour Extension Incentive Program (OTEIP) _____			Medical/Dental_____	

For additional assistance in transfer and relocation, go to the Military HOMEFRONT website: http://www.public.navy.mil/bupers-npc/Pages/default.aspx and visit your Fleet and Family Support Center on base.

SEPARATING/RETIRE:

18 -12 months	6 months	90 days	30 days
Transition GPS _____	MED/DEN _____	Copy of Records_____	Copy of Records _____
Complete DD2648PSD_____	Relocation _____	Official Record CD_____	PSD_____
Transition Planning_____	Relocation Services (FFSC) _____	Arrange Ceremony_____	MED/DEN _____
	Reserve Affiliation_____	Request Leave / PTDY _____	
	VA/DVA_____		

PHYSICAL FITNESS:

Participate in a year-round physical fitness program to meet Navy fitness and BCA standards. Review and verify accuracy of PFA data in PRIMS within 60 days of the PFA cycle. (PRIMS is accessible through your BUPERS Online Account)

Height_____ Weight_____ If Required (Neck_____ Waist_____ Hips (Female) _____ BCA _____)

Last 2 PRT Cycles: Curl-ups_____/_____ Push-ups_____/_____ Run/Swim/Cardio_____/____ Overall Score_____/_____

List date (if) any PRT/BCA failure(s) over the last 5 years _____/_____ List if any Medical Waiver(s)_____/_____

For more information on Navy Fitness, visit: http://www.navyfitness.org/

PROFESSIONAL MILITARY EDUCATION

(Resident and non-resident coursework designed to enhance a Sailor's general military professional knowledge and abilities)

EDUCATION: (Prior to considering any pursuit of off duty education or program enrollment VISIT YOUR NAVY COLLEGE OFFICE or call the Virtual Education Center (VEC)!!!)

Education Plan Completed (Navy College Office/VEC _____Current Education Level_____

Degree Goal_____
Various distance learning degree options are available using, Sailor and Marine Online Academic Advisor (SMOLAA)

Goal: Date: AA/AS _____ BA/BS _____ Master _____
(Credits to earn a degree - AA/AS: 60 SH/90 QH, BA/BS: 120 SH/180, QH, Master /Doctorate: Variable based on program)

Number of current credits _____ American Council on Education (ACE) recommended credits_____

SOC DNS Agreement _____ Joint Service Transcripts (JST) _____ HS Transcripts_____ College Transcripts_____

Date Degree Obtained: AA/AS _____ BA/BS _____ Master _____ Doctorate _____

For entry into JST, send official transcripts to:
Naval Education and Training Professional Development and Technology Center
Attn: JST Operation Center N615
6490 Saufley Field Road
Pensacola, FL 32509
Phone: 1-877-838-1659
Comm: 757-492-4684
FAX: 757-492-5095
DSN: 492-4684
Email: VEC@navy.mil

VOLUNTARY EDUCATION (Study guides and exam preparations and practice test located on NKO)

NCPACE _____CLEP _____DSST _____TA _____MGIB _____Post 9/11 GIB_____AEV_____

CPO REQUIRED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
ADAMS for Supervisors	Various Locations	S-501-0120	8 hours	
ADAMS for Facilitators	Various Locations	S-501-0110	16 hours	
Ethics Training	Command Delivered			
Required General Military Training Topics For FY 2016 (Standardized Core Training) [1]				
Antiterrorism Level I Awareness	NKO/Command Delivered	CENSECFOR-AT-010-1.0		
Combating Trafficking in Persons General Awareness	NKO/Command Delivered	DOD-CTIP-1.0		
Counterintelligence Awareness and Reporting	NKO/Command Delivered	DOD-CIAR-1.0		
Cyber Awareness Challenge V3	NKO/Command Delivered	DOD-IAA-V13.0		
Operations Security (Uncle Sam's OPSEC)	NKO/Command Delivered	NIOC-USOPSEC-2.0		
Privacy and Personally Identifiable Information	NKO/Command Delivered	DOD-PII-2.0		
Records Management	NKO/Command Delivered	DOR-RM-010-1.1		
Sexual Assault Prevention and Response Awareness (SAPR)	Command Delivered	CPPD-GMT-SAPRA-1.0 CC		
Equal Opportunity/Sexual Harassment/Grievance Procedures [2]	Command Delivered	CPPD-GMT-EOSH-1.0		
Suicide Prevention	Command Delivered	CPPD-GMT-SAP-1.0		
Required General Military Training Topics For FY 2016 (Command-Assigned Readiness –Enhancement topics; biennial periodicity) [3]				
Alcohol, Drug, and Tobacco Awareness	Command Delivered	CPPD-GMT-ADTA-1.0		
Domestic Violence Prevention and Reporting	NKO/Command Delivered	CPPD-GMT-DV-1.0		
Sexual Health and Responsibility	NKO/Command Delivered	CPPD-GMT-SHR-1.0		
Stress Management	Command Delivered	CPPD-GMT-SM-1.0		

1 - Verify GMT topics on NKO GMT web page.
2 - Course should be delivered in conjunction with SAPR. If not practicable, separate training is still required.
3 - Topics to be delivered once per deployment cycle. If deployment cycle is not applicable or exceeds two years between deployments, then deliver once every two years.

CPO REQUIRED COMMUNITY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

CPO RECOMMENDED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Chief's Mess Training (CMT/LCC) (21 modules available)	Command Delivered		Each Month	
Primary Enlisted Professional Military Education (PEPME)	NKO	Military DON/ PME	60 hours	
Block 1 Primary EPME - Introduction	NKO	PPME-SENL-B1		
Block 2 Primary EPME - The Culture of the Navy	NKO	PPME-SENL-B2		
Block 3 Primary EPME - Governance of the Navy	NKO	PPME-SENL-B3		
Block 4 Primary EPME - How the Navy Thinks About War	NKO	PPME-SENL-B4		
Block 5 Primary EPME - How the Navy Plans its Operations	NKO	PPME-SENL-B5		
Block 6 Primary EPME - Technology in the Maritime Domain	NKO	PPME-SENL-B6		
Block 7 Primary EPME - PME Conclusion	NKO	PPME-SENL-B7		
Joint Professional Military Education (JPME)	War College	Military DON/ PME	40 hours	
Senior Enlisted Academy	Newport RI	P-920-1300	9 weeks (DL) / 3 weeks (F2F)	
Senior Enlisted Leadership Development Guide	NKO			
Culture	NKO or College Course	Foreign Language and Culture	45 hours	
Recommended General Military Training Topics For FY 2016 (Delivery determined by command discretion) [1]				
Energy Policy	Command Delivered	OPNAV-GMTE-1.0		
Hazing Policy and Prevention	Command Delivered	CPPD-GMT-HPP-1.0		
Operational Risk Management	NKO/Command Delivered	CPPD-GMT-ORM-1.0		
Personal Financial Management	Command Delivered	CPPD-GMT-PFM16-1.0		
Physical Readiness	NKO/Command Delivered	CPPD-GMT-PRT-2.0		

1 - Verify GMT topics on NKO GMT web page.

Courses with Recommended Reserve Points:
Commander Navy Reserve Forces (CNRF) N7 determines the number of reserve points awarded for completion of a course taken on Navy E-Learning. This listing should only be used as a guide and is subject to change by direction of CNFR N7.
Navy E-Learning has no control over how many, if any, reserve points are eventually awarded for the completion of a course. All questions concerning the award of reserve points should be directed to CNFR N7.

CPO RECOMMENDED RESERVE PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
NROWS Orders Administration Course	NKO	R-500-0140/02PG /DoN	8 hours	
Naval Reserve Center Commanding Officer Officer In Charge	NKO	CNRFC-COOIC-1.0 /DoN	8 hours	
Guidance for Mobilization	NKO	CNRFC-GMB-1.1 /DoN	4 hours	
Military Sealift Command 101	NKO	CNRFC-MSC101 /DoN 1.1	24 hours	
Non-Prior Service Accession Program	NKO	CNRFC-NPSAP-2 /DoN 0	23 hours	

CPO RECOMMENDED COMMUNITY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

NAVY PROFESSIONAL READING PROGRAM (PRP)

The purpose of the Reading Program is to facilitate the professional and personal development of all Sailors. For additional information on changes, refer to NAVADMIN 309/12 or visit http://navyreading.dodlive.mil/ or http://navy.lib.overdrive.com/ or https://wwwa.nko.navy.mil

ESSENTIAL READING

WARFIGHTING FIRST	**Completed**
1812: The Navy's War *by George C. Daughan*	
Cybersecurity and Cyberwar: What Everyone Needs to Know *by P.W. Singer*	
SEAL of Honor *by Gary Williams*	
Leading with the Heart *by Mike Krzyzewski, Donald T. Phillips, and Grant Hill*	
The Twilight War *by David Crist*	
Wake of the Wahoo *by Forest J. Sterling*	
OPERATE FORWARD	**Completed**
The Crisis of Islam *by Bernard Lewis*	
Execute Against Japan *by LT Joel Holwitt, USN*	
Monsoon *by Robert Kaplan*	
Neptune's Inferno *by James D. Hornfischer*	
Red Star Over the Pacific *by Toshi Yoshihara and James Holmes*	
Fallout *by Catherine Collins and Douglas Frantz*	
BE READY	**Completed**
A Sailor's History of the U.S. Navy *by Thomas Cutler*	
In the Shadow of Greatness *by Joshua Welle, John Ennis, Katherine Kranz and Graham Plaster*	
Navigating the Seven Seas *by Melvin G. Williams, Sr. and Melvin G. Williams, Jr.*	
The Trident: The Forging and Reforging of a Navy SEAL Leader *by Jason Redman and John Bruning*	
Turn the Ship Around *by David Marquet*	
Wired for War *by P.W. Singer*	

Twenty-four additional books are categorized as "recommended reading," and are available as electronic books (e-books). Many can be downloaded at no cost through the Navy general library program site on Navy Knowledge On-line (NKO).

The entire list, with book summaries and additional information is available at http://navyreading.dodlive.mil/

The CNO-PRP has been streamlined to make our Navy's reading program more interactive, affordable, and wherever possible, electronically accessible. To that end: a number of the titles will be available for free at the NKO portal at https://wwwa.nko.navy.mil.

- Click on the reference tab, then e-library audio and e-books tab.
- In order to download books, an "overdrive" account is required. On the top right, click on the overdrive window and follow the prompts.
- Then, not only are the PRP books available, but also hundreds of other items.

Note: Security restrictions preclude downloading via Navy owned computers, so downloading them to personally-owned devices will be required.

CPO RECOMMENDED COMMUNITY READING

Title	Completed
Basic Military Requirements Manual (BMR) *NAVEDTRA 14325*	
Engineering Journeyman PQS *NAVEDTRA 43702*	
Engineering Fundamentals *NAVEDTRA 43103-A*	
Surface Force Training Manual *COMNAVSURFORINST 3502.1C*	
Surface Ship Firefighting *NAVSEA S9086-S3-STM-010/CH 555 V1*	
Damage Control Enineering Casualty Control *NSTM 079 V3*	
NSTM 077 Rev 7 Personnel Protective Equip *S9086-CL-STM-010*	
Inspections, Tests, Records, & Reports *NSTM 090*	
Boiler Water/Feedwater Water Chemistry *NSTM 220*	
Boilers *NSTM 221*	
Propulsion and SSTG Steam Turbines *NSTM 231*	
Lubricating Oils, Lubrication Systems *NSTM 262*	
Ship Fuel and Fuel Systems *NSTM 541*	
Surface Ship Survivability *NTTP 3-20.31*	
NSTM TAGOUT Users Manual *NAVSEA S0400-AD-URM-010/TUM*	
U.S. Navy Uniform Regulations *NAVPERS 15665I*	
Naval Military Personnel Manual *NAVPERS 15560D*	
Ships' Maintenance and Material Management (3M) Manual *NAVSEAINST 4790.8 Series*	
Navy Occupational Safety and Occupational Health (SOH) Program Manual for Forces Afloat Vol II Surface Ship Safety Standards *OPNAVINST 5100.19E*	
Physical Readiness Program *OPNAVINST 6110.1J*	
Standard Organization and Regulations of the U.S. Navy (SORM) *OPNAVINST 3120.32 Series*	
Enlisted to Officer Commissioning Programs Application Administrative Manual *OPNAVINST 1420.1B*	

Machinist's Mate
Senior Chief Petty Officer
(Master)

NAME_____

SKILL TRAINING

(Schools, courses and assignments directly related to occupation)

REQUIRED SKILL TRAINING

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

RECOMMENDED SKILL TRAINING

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
General Shipboard Firefighting SCBA	Various	A-495-0416	1 day	
Advanced Shipboard Fire Fighter	Various	V-4N-0001	2 days	
Team Trainer Wet Trainer (Buttercup)	Various	V-9B-0003	1 day	
Repair Party Leader	Various	K-495-0040	9 days	
QAI	Various	A-557-0001	5 days	
SEPEC	Various	A-651-0110	12 days	
DAPA	Various	S-501-0100	5 days	
CMEO/EEO	Various	A-500-0009	5 days	
CACCO	Various	S-540-1015	2 days	
ADAMS (facilitator)	Various	S-501-0110	3 days	

NAVY ENLISTED CLASSIFICATION CODE (NEC) OPPORTUNITIES

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
4206 - Senior Enlisted Propulsion Engineer Course	Various	A-651-0110	12 days	
4502 - Boiler Repair Techician	San Diego	K-651-0109	33 days	
4503 - Main Propulsion Steam Generating Plant Inspector	San Diego	K-651-2151	33 days	
4508 - EABC Console Operator	Various	A-651-0089	11 days	
4509 - EABC Maintenance Technician	Various	A-651-0088	28 days	

JOB DESCRIPTION

According to the Bureau of Naval Personnel (BUPERS), the job of an MM is to "operate, maintain, and repair (organizational and intermediate level) ship propulsion machinery, auxiliary equipment, and outside machinery, such as: steering engine, hoisting machinery, food preparation equipment, refrigeration and air conditioning equipment, windlasses, elevators, and laundry equipment. Operate and maintain (organizational and Intermediate level) marine boilers, pumps, forced draft blowers, and heat exchangers; perform tests, transfers, and inventory of lubricating oils, fuels, and water. Maintain records and reports, and may perform duties in the generation and stowage of industrial gases." Enlistees are taught the fundamentals of this rating through on-the-job training or formal Navy schooling. Advanced technical and operational training is available in this rating during later stages of career development. -- NAVPERS 18068F

Machinist's Mate (Surface) generally fall into one of Two roles:

Propulsion Mechanics

The core job of an MM is the engine room. A mechanic's job in the engine room is to operate the steam plant that provides propulsion, electric power (along with Electrician's Mates), potable water, and service steam to the ship. MMs operate the boilers that generate the steam (this job was previously done by Boiler Technicians, but the BT rating merged with Machinist's Mates in 2000) and use it to operate main engine (propulsion turbines), turbo generators, distilling units, and various auxiliary turbines. MM's working in the propulsion plants are often referred to as Pit Snipes, or Snipes for short.

Machinist's Mates responsible for the propulsion plant are found in Machinery Division (or Main Engine Division, Main Propulsion Division, etc.. in some ships), commonly referred to simply as M-Division or MP-Division. On surface nuclear ships, propulsion mechanics are found in Reactor Propulsion Division (commonly still referred to as M-Div), Reactor Mechanical Division (RM), Reactor Laboratories Division (RL). The USS Enterprise is the exception, in that M-Division is still part of Engineering Department, as opposed to Reactor Department.

Auxiliary Mechanics

The other major place to find Machinist's Mates is in the Auxiliaries Division of Engineering Department, often referred to as "A-gang". Mechanics in this role work on mechanical equipment outside of the engine rooms, to include the dishwashers in the galley, laundry machines, AC&R (Air Conditioning and Refrigeration) units, O2/N2 (liquid oxygen and nitrogen) units, lifting and hoisting gear, and other equipment as designated by the Engineering Officer (Chief Engineer, or CHENG). Members of "A-Gang" may also help DC Men, Gunner's Mates, or other ratings.

RECOMMENDED BILLET ASSIGNMENTS

Machinist’s Mate work in a variety of climates at sea and ashore. They normally perform their work at sea in a controlled climate, but are often called upon, to work in machinery spaces and flight decks in various sea states and weather conditions.

Other opportunities:

Command Senior Chief, RDC, Instructor/Facilitator, Recruiter, 3-M Coordinator, CMEO/EOA
DAPA, CACO, Detailer, Joint Assignments, GWOT Support Assignments

PERSONAL AND PROFESSIONAL DEVELOPMENT (Completed at reporting 30 day Career Development Board)

Command Address: _____ QD Phone Number: _____

_____

Division Officer: _____ Phone Number: _____

Command Master Chief: _____ Phone Number: _____

Leading Chief Petty Officer: _____ Phone Number: _____

Sponsor/Mentor: _____ Phone Number: _____

Depart/Division Career Counselor: _____ Phone Number: _____

ADSD: _____ REPORT DATE: _____ EAOS: _____ PRD: _____ SEA / SHORE: _____/____
PAYGRADE E8 (3 Years time in service required to be eligible for advancement to E-9)

Date Advanced: _____ Eligible Advancement Date: _____ Number of times up: _____ HYT Date: _____

Security Clearance Level: _____ Date Last updated: _____ Command INDOC complete: _____

CAREER DEVELOPMENT BOARDS: Use OPNAVINST 1040.11(ser) & Career Counselor Handbook NAVPERS 15878
(E8) Reason for Convening/Discussion Items: (Upon completion update (CIMS) Career Information Management System)

Reporting (within 30 days for active duty or three drill weekends for SELRES) (Date Conducted): _____

6 Month: _____ 12 Month: _____ 24 Month: _____36 Month: _____48 Month: _____

60 Month: _____ CPO 365: _____ Special Program: _____ Member Request: _____

HYT 24 months (Date): _____ HYT 12 months (Date): _____ HYT Waiver Date: _____Approve/Disapprove

CMS/ID 13 months to PRD: _____ Transfer: _____

Early Separation: _____ Fleet Reserve Retirement Options:_____

Physical Fitness Test Failure: _____ Career Status Bonus (election message received): _____

Advancement Center: Visit NKO Navy Advancement page located under the Career Management Tab
(Items to collect/discuss: Bibliography for Advancement, Enlisted Advancement Exam Strategy Guide, Profile Sheets)

Non-Select: _____

Enlisted to Officer Commissioning Program Application & Administration Manual OPNAVINST 1420.1(series):

Commissioning Programs Applications: _____ (prior to submission, command endorsement):_____

Medical Enlisted Commissioning Program (MECP) _____ Medical Service Corps In-service Procurement _____

Officer Candidate School _____ Limited Duty Officer _____ Chief Warrant Officer _____

Navy Leader Planning Guide: Log on to NKO and select the Leadership Tab to access this guide.

SELECTION BOARD CHECKLIST FOR SCPO PROMOTION TO MCPO

Step 1 - Review your Official Record to see what documentation, qualifications, etc. may be missing or requiring an update. This should be accomplished every six months after promotion to Second Class. However, it is imperative that this is accomplished six months prior to a selection board. Check the following three major sections to verify your Official Record:

a. **BUPERS Online**: BUPERS Online (https://www.bol.navy.mil) is your main tool to ensure your record is up to date and helps you to be proactive in making the most of your promotion opportunity. You should review your:
   1. **Official Military Personnel File (OMPF)**: All active duty and reserve personnel having a BOL account, a CAC (with appropriate certificates) and a CAC-enabled computer can now view their OMPF online by selecting the OMPF option on the BOL main menu page. This is the preferred method of obtaining OMPF information to eliminate the unnecessary time-lags caused by waiting days or weeks to receive a requested CD ROM.
   2. **If Deployed:** Click on "*Request Record on CD*" to order your Official Military Personnel File (OMPF). This must be accomplished four to six months before a board convenes, which will allow time for delivery and updating of your record if required.
   3. Check your **Performance Summary Record (PSR)** and **Enlisted Summary Record (ESR)** on https://www.bol.navy.mil, click on the "*ODC, OSR, PSR, ESR*" link.
b. **Electronic Service Record (ESR)** Self-Service ESR: This can be viewed at (https://nsips.nmci.navy.mil) or on the Navy Standard Integrated Personnel System (NSIPS) ESR server onboard ship.
c. **Electronic Training Jacket (ETJ)**: Log-on to Navy Knowledge Online (NKO) and review your entire ETJ making sure that each section is correct. If not, clicking on "*Data Problems*" at the bottom of each page which will guide you on how to make corrections or updates.
d. **US Navy Awards website**: Log onto (https://awards.navy.mil/) to review any awards you may qualify for but were unaware of.

Step 2 - Submit appropriate missing documents to the selection board.

a. Selection board packages provide candidates the opportunity to submit any documents missing from the sections of their records which are viewed by the selection boards. MILPERSMAN 1070-080 specifies which documents from the enlisted permanent personnel record are provided to the selection board for review. Any documents the member has verified as missing from those sections of their permanent personnel record may be submitted as a selection board package.
b. For submissions directly to the board and for those circumstances where the eligible candidate cannot get their official record updated and confirmed prior to the selection board convening date:
   1. All correspondence should be on plain white paper for readability; paper clipped (no staples, binders, folders, or tabs) and submitted under cover letter to the president of the board. Candidates must verify the correct subject line and board number (see below) is on their cover letters to ensure their packages appear before the proper board.
   2. Correspondence must include your Full name and SSN, must be affixed and legible on all documents submitted, and must be postmarked not later than that date listed in the associated NAVADMIN and addressed to:

      NAVY PERSONNEL COMMAND CUSTOMER SERVICE CENTER
      PRESIDENT
      FY-**XX ACTIVE/RESERVE** E9 ENLISTED SELECTION BOARD **#XXX**
      5640 TICONDEROGA LOOP BLDG 768 RM E302
      MILLINGTON TN 38055
      (Active = 210 / SELRES = 205 / FTS = 206)

      (Use of special handling mail (certified or registered) is not advised due to significant delays in handling.)

c. Ensure official record reflects any individual augmentation mission. (awards, evals, NEC, etc).
d. Check http://www.npc.navy.mil/Boards/ActiveDutyEnlisted/GeneralInformation.htm to verify that the selection board has received your correspondence (if sent).

NOTE: It is highly recommended that if corrections or updates are made, review your OMPF, or if Deployed, re-order your CD-Rom to confirm changes. (NOTE: Please allow 60 days for changes to take effect)

Step 3 - After reviewing your service record - such as evaluations, awards, qualifications, etc. - start reviewing what you can do to improve yourself, such as:

a. Request a **Career Development Board (CDB)** through your chain of command.
b. Take a good, hard look at the type of **Collateral Duties** you are assigned. Review your command collateral duties instruction and talk with your COC and / or appear before the CDB. Take the tough command duties that provide the most involvement in the command as a whole and that have direct sailor support.
c. Review your current level of education to see how far along you are in earning a **college degree** and pursue **non-resident Navy courses** to expand your level of knowledge. Complete the **Navy e-Learning courses** on **NKO** that are recommended in this document.
d. Check out **OTHER Learning Opportunities** to add to your service record, such as the CANTRAC Volume I (Training Facilities) and CANTRAC Volume II (Course Descriptions). NKO at Learning > Learning Opportunities

Step 4 - Review qualifications that your rating values or requires for advancement and create a plan to earn these important pieces in the professional growth and advancement puzzle. Read the applicable NAVADMIN for additional dates and information, and review previous selection board precepts.

QUALIFICATIONS AND CERTIFICATIONS

Sea/Shore General Qualifications **Watch Standing Qualifications**	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**
Ship Board Fire Fighting		
Aviation Fire Fighting		
Basic Damage Control		
Advanced Damage Control		
3M 303 Work Center Supervisor		
3M 304 LCPO/Division Officer		
Section Leader		
Officer of the Deck (OOD) (In Port)		
Command Duty Officer (CDO)		
Junior Officer of the Deck (JOOD)		
Officer of the Deck (OOD) (At Sea)		
Personal Qualifications Standard		

Mandatory warfare qualification for enlisted Sailors assigned to designated warfare qualifying commands:

Warfare qualification programs	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**
Surface Warfare Specialist		
Aviation Warfare Specialist		

Rate Specific/Department Qualifications (Add)	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**

CERTIFICATIONS

The following post military occupations are similar to the MM-Machinist's Mate Rating. For more information about these occupations, visit NAVY COOL at https://www.cool.navy.mil/usn/.

Occupation (Civilian Employer)
Boilermakers
Bus and Truck Mechanics and Diesel Engine Specialists
Computer, Automated Teller, and Office Machine Repairers
Control and Valve Installers and Repairers, Except Mechanical Door
Cooling and Freezing Equipment Operators and Tenders
Engine and Other Machine Assemblers
First-Line Supervisors of Mechanics, Installers, and Repairers
First-Line Supervisors of Production and Operating Workers
Gas Compressor and Gas Pumping Station Operators
Hazardous Materials Removal Workers
Helpers--Installation, Maintenance, and Repair Workers
Hoist and Winch Operators
Industrial Machinery Mechanics
Insulation Workers, Mechanical
Machinists
Maintenance and Repair Workers, General
Maintenance Workers, Machinery
Mobile Heavy Equipment Mechanics, Except Engines
Pipe Fitters and Steamfitters
Power Plant Operators
Pump Operators, Except Wellhead Pumpers
Refrigeration Mechanics and Installers
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders
Ship Engineers
Stationary Engineers and Boiler Operators
Water and Wastewater Treatment Plant and System Operators

Occupation (Federal Employer)
0871 - Naval Architecture Series
4749 - Maintenance Mechanic
4850 - Bearing Reconditioning
5306 - Air Conditioning Equipment Mechanic
5350 - Production Machinery Mechanic
5402 - Boiler Plant Operating
5415 - Air Conditioning Equipment Operating
5419 - Stationary-Engine Operating
9945 - Refrigeration Engineer
9958 - Evaporator-Utilityman
9963 - Fireman
9964 - Fireman-Watertender

Navy COOL: The following certifications and licenses are applicable to the MM-Machinist's Mate rating. *They may require additional education, training or experience.*

Target paygrade	Certifying Agency	Credential Title	Date Completed
E6	American Society for Quality (ASQ)	Certified Manager of Quality/Organizational Excellence (CMQ/OE)	
E3	American Society for Quality (ASQ)	Certified Quality Improvement Associate (CQIA)	
E4	American Society for Quality (ASQ)	Certified Quality Technician (CQT)	
E5	Electrical Generating Systems Association (EGSA)	Electrical Generator Systems Technician Certification - Apprentice	
E5	International Fluid Power Society (IFPS)	Industrial Hydraulic Mechanic (IHM)	
E5	International Fluid Power Society (IFPS)	Mobile Hydraulic Mechanic (MHM)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level I (CCST-I)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level II (CCST-II)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level III (CCST-III)	
E5	National Institute for Metalworking Skills, Inc (NIMS)	Diemaking Level III	
E6	North American Electric Reliability Corporation (NERC)	System Operator Certification	
E5	North American Technician Excellence (NATE)	Air Conditioning Specialty (Service)	
E5	Professional Evaluation and Certification Board (PECB)	ISO 9001 Foundation - Quality Certification	
E5	Society for Maintenance and Reliability Professionals (SMRP)	Certified Maintenance and Reliability Professionals (CMRP)	
E5	Society for Maintenance and Reliability Professionals (SMRP)	Certified Maintenance and Reliability Technician (CMRT)	
E4	Transportation Security Administration	Transportation Worker Identification Credential (TWIC)	
E4	United States Coast Guard (USCG)	National QMED: Machinist/Pumpman	
E4	Vibration Institute	Certified Balancing Specialist - Category I	
E4	Vibration Institute	Certified Vibration Analyst - Category I	
E5	Vibration Institute	Certified Vibration Analyst - Category II	

Visit Navy COOL at https://www.cool.navy.mil/usn/ for additional Credentials that you may qualify to earn; however funding may be limited to your GI Bill.

UNITED SERVICES MILITARY APPRENTICESHIP PROGRAM (USMAP):

Rank	Apprenticeship	Date Completed
E1 - E9	Boilerhouse Mechanic	
E1 - E9	Bulk Fuel Specialist (Pumper-Gauger)	
E1 - E9	Computer Operator	
E1 - E9	Diesel Mechanic	
E1 - E9	Electronics Mechanic	
E1 - E9	Electronics Mechanic (Any Industry)	
E1 - E9	Hydroelectric-Machinery Mechanic (Utilities)	
E1 - E9	Maintenance Mechanic (Any Industry)	
E1 - E9	Ordnance Artificer (Government Service)	
E1 - E9	Pipe Coverer And Insulator	
E1 - E9	Power-Plant Operator (Utilities)	
E1 - E9	Pump Repairer (Any Industry)	
E1 - E9	Refrigeration Mechanic	
E1 - E9	Refrigeration Mechanic (Any Industry)	
E1 - E9	Water-Treatment-Plant Operator (Waterworks)	

Visit USMAP https://usmap.netc.navy.mil/usmapss/static/index.htm for additional information.

STAY NAVY

REENLIST / EXTEND: Request Chit/Form: _____ Guaranteed Assignment in Detailing (GUARD 2000): _____

Career Management System/Interactive Detailing (CMS/ID): _____

Medical/Dental Screening: _____ Command Recommendation (evaluation): _____ Bonus: _____ Ceremony: _____

TRANSFER:

15 Months	12 Months	9 Months	6 Months	Orders Received
Exception Family Member_____	EFM____	CMS/ID____	Accept Orders_____	Screening_____
CMS/ID_____	CMS/ID_____		Reverse Sponsor_____	Obligate_____
Continuous Overseas Tours (COT) _____			Relocation (FFSC) ____	Bonus_____
Overseas Tour Extension Incentive Program (OTEIP) _____			Medical/Dental_____	

For additional assistance in transfer and relocation, go to the Military HOMEFRONT website: http://www.public.navy.mil/bupers-npc/Pages/default.aspx and visit your Fleet and Family Support Center on base.

SEPARATING/RETIRE:

18 -12 months	6 months	90 days	30 days
Transition GPS _____	MED/DEN _____	Copy of Records_____	Copy of Records _____
Complete DD2648PSD_____	Relocation _____	Official Record CD_____	PSD_____
Transition Planning_____	Relocation Services (FFSC) _____	Arrange Ceremony_____	MED/DEN _____
	Reserve Affiliation_____	Request Leave / PTDY _____	
	VA/DVA_____		

PHYSICAL FITNESS:

Participate in a year-round physical fitness program to meet Navy fitness and BCA standards. Review and verify accuracy of PFA data in PRIMS within 60 days of the PFA cycle. (PRIMS is accessible through your BUPERS Online Account)

Height_____ Weight_____ If Required (Neck_____ Waist_____ Hips (Female) _____ BCA _____)

Last 2 PRT Cycles: Curl-ups_____/_____ Push-ups_____/_____ Run/Swim/Cardio_____/____ Overall Score_____/_____

List date (if) any PRT/BCA failure(s) over the last 5 years _____/_____ List if any Medical Waiver(s)_____/_____

For more information on Navy Fitness, visit: http://www.navyfitness.org/

PROFESSIONAL MILITARY EDUCATION

(Resident and non-resident coursework designed to enhance a Sailor's general military professional knowledge and abilities)

EDUCATION: (Prior to considering any pursuit of off duty education or program enrollment VISIT YOUR NAVY COLLEGE OFFICE or call the Virtual Education Center (VEC)!!!)

Education Plan Completed (Navy College Office/VEC _____Current Education Level_____

Degree Goal_____
Various distance learning degree options are available using, Sailor and Marine Online Academic Advisor (SMOLAA)

Goal: Date: AA/AS _____ BA/BS _____ Master _____
(Credits to earn a degree - AA/AS: 60 SH/90 QH, BA/BS: 120 SH/180, QH, Master /Doctorate: Variable based on program)

Number of current credits _____ American Council on Education (ACE) recommended credits_____

SOC DNS Agreement _____ Joint Service Transcripts (JST) _____ HS Transcripts_____ College Transcripts_____

Date Degree Obtained: AA/AS _____ BA/BS _____ Master _____ Doctorate _____

For entry into JST, send official transcripts to:
Naval Education and Training Professional Development and Technology Center
Attn: JST Operation Center N615
6490 Saufley Field Road
Pensacola, FL 32509
Phone: 1-877-838-1659
Comm: 757-492-4684
FAX: 757-492-5095
DSN: 492-4684
Email: VEC@navy.mil

VOLUNTARY EDUCATION (Study guides and exam preparations and practice test located on NKO)

NCPACE _____CLEP _____DSST _____TA _____MGIB _____Post 9/11 GIB_____AEV_____

SCPO REQUIRED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Senior Enlisted Academy [4,5]	Newport RI	P-920-1300	9 weeks (DL) / 3 weeks (F2F)	
ADAMS for Supervisors	Various Locations	S-501-0120	8 hours	
ADAMS for Facilitators	Various Locations	S-501-0110	16 hours	
Ethics Training	Command Delivered			
Required General Military Training Topics For FY 2016 (Standardized Core Training) [1]				
Antiterrorism Level I Awareness	NKO/Command Delivered	CENSECFOR-AT-010-1.0		
Combating Trafficking in Persons General Awareness	NKO/Command Delivered	DOD-CTIP-1.0		
Counterintelligence Awareness and Reporting	NKO/Command Delivered	DOD-CIAR-1.0		
Cyber Awareness Challenge V3	NKO/Command Delivered	DOD-IAA-V13.0		
Operations Security (Uncle Sam's OPSEC)	NKO/Command Delivered	NIOC-USOPSEC-2.0		
Privacy and Personally Identifiable Information	NKO/Command Delivered	DOD-PII-2.0		
Records Management	NKO/Command Delivered	DOR-RM-010-1.1		
Sexual Assault Prevention and Response Awareness (SAPR)	Command Delivered	CPPD-GMT-SAPRA-1.0 CC		
Equal Opportunity/Sexual Harassment/Grievance Procedures [2]	Command Delivered	CPPD-GMT-EOSH-1.0		
Suicide Prevention	Command Delivered	CPPD-GMT-SAP-1.0		
Required General Military Training Topics For FY 2016 (Command-Assigned Readiness –Enhancement topics; biennial periodicity) [3]				
Alcohol, Drug, and Tobacco Awareness	Command Delivered	CPPD-GMT-ADTA-1.0		
Domestic Violence Prevention and Reporting	NKO/Command Delivered	CPPD-GMT-DV-1.0		
Sexual Health and Responsibility	NKO/Command Delivered	CPPD-GMT-SHR-1.0		
Stress Management	Command Delivered	CPPD-GMT-SM-1.0		

1 - Verify GMT topics on NKO GMT web page.
2 - Course should be delivered in conjunction with SAPR. If not practicable, separate training is still required.
3 - Topics to be delivered once per deployment cycle. If deployment cycle is not applicable or exceeds two years between deployments, then deliver once every two years.
4 - NAVADMIN 266/14 Starting in FY 2017, all newly selected SCPO's will be required to complete the SEA
5 - Reserves selected to Senior Chief Petty Officer will also be required to complete (See NAVADMIN 266/14 for guidance)

SCPO REQUIRED COMMUNITY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

SCPO RECOMMENDED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Chief's Mess Training (CMT/LCC) (21 modules available)	Command Delivered		Each Month	
Primary Enlisted Professional Military Education (PEPME)	NKO	Military DON/ PME	60 hours	
Block 1 Primary EPME - Introduction	NKO	PPME-SENL-B1		
Block 2 Primary EPME - The Culture of the Navy	NKO	PPME-SENL-B2		
Block 3 Primary EPME - Governance of the Navy	NKO	PPME-SENL-B3		
Block 4 Primary EPME - How the Navy Thinks About War	NKO	PPME-SENL-B4		
Block 5 Primary EPME - How the Navy Plans its Operations	NKO	PPME-SENL-B5		
Block 6 Primary EPME - Technology in the Maritime Domain	NKO	PPME-SENL-B6		
Block 7 Primary EPME - PME Conclusion	NKO	PPME-SENL-B7		
Joint Professional Military Education (JPME)	NOK	JKDDC-SNCO-2	60 hours	
Senior Enlisted Leadership Development Guide	NKO			
Culture	NKO or College Course	Foreign Language and Culture	45 hours	
CMDCM/COB Leadership Course (Must have FLTCM or FORCM recommendation)	NKO/Classroom (Newport, RI)	CPPD/NETC CMDCM-9580 COB-9579		
Navy Reserve Fundamentals for Active Duty Course	NKO	NAVRESFOR-NRF-2.0 / US DoN	10 hours	
Recommended General Military Training Topics For FY 2016 (Delivery determined by command discretion) [1]				
Energy Policy	Command Delivered	OPNAV-GMTE-1.0		
Hazing Policy and Prevention	Command Delivered	CPPD-GMT-HPP-1.0		
Operational Risk Management	NKO/Command Delivered	CPPD-GMT-ORM-1.0		
Personal Financial Management	Command Delivered	CPPD-GMT-PFM16-1.0		
Physical Readiness	NKO/Command Delivered	CPPD-GMT-PRT-2.0		

1 - Verify GMT topics on NKO GMT web page.

Courses with Recommended Reserve Points:

Commander Navy Reserve Forces (CNRF) N7 determines the number of reserve points awarded for completion of a course taken on Navy E-Learning. This listing should only be used as a guide and is subject to change by direction of CNFR N7.

Navy E-Learning has no control over how many, if any, reserve points are eventually awarded for the completion of a course. All questions concerning the award of reserve points should be directed to CNFR N7.

SCPO RECOMMENDED RESERVE PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
NROWS Orders Administration Course	NKO	R-500-0140/02PG /DoN	8 hours	
Naval Reserve Center Commanding Officer Officer In Charge	NKO	CNRFC-COOIC-1.0 /DoN	8 hours	
Guidance for Mobilization	NKO	CNRFC-GMB-1.1 /DoN	4 hours	
Military Sealift Command 101	NKO	CNRFC-MSC101 /DoN 1.1	24 hours	
Non-Prior Service Accession Program	NKO	CNRFC-NPSAP-2 /DoN 0	23 hours	

SCPO RECOMMENDED COMMUNITY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

NAVY PROFESSIONAL READING PROGRAM (PRP)

The purpose of the Reading Program is to facilitate the professional and personal development of all Sailors. For additional information on changes, refer to NAVADMIN 309/12 or visit http://navyreading.dodlive.mil/ or http://navy.lib.overdrive.com/ or https://wwwa.nko.navy.mil

ESSENTIAL READING

WARFIGHTING FIRST	**Completed**
1812: The Navy's War *by George C. Daughan*	
Cybersecurity and Cyberwar: What Everyone Needs to Know *by P.W. Singer*	
SEAL of Honor *by Gary Williams*	
Leading with the Heart *by Mike Krzyzewski, Donald T. Phillips, and Grant Hill*	
The Twilight War *by David Crist*	
Wake of the Wahoo *by Forest J. Sterling*	
OPERATE FORWARD	**Completed**
The Crisis of Islam *by Bernard Lewis*	
Execute Against Japan *by LT Joel Holwitt, USN*	
Monsoon *by Robert Kaplan*	
Neptune's Inferno *by James D. Hornfischer*	
Red Star Over the Pacific *by Toshi Yoshihara and James Holmes*	
Fallout *by Catherine Collins and Douglas Frantz*	
BE READY	**Completed**
A Sailor's History of the U.S. Navy *by Thomas Cutler*	
In the Shadow of Greatness *by Joshua Welle, John Ennis, Katherine Kranz and Graham Plaster*	
Navigating the Seven Seas *by Melvin G. Williams, Sr. and Melvin G. Williams, Jr.*	
The Trident: The Forging and Reforging of a Navy SEAL Leader *by Jason Redman and John Bruning*	
Turn the Ship Around *by David Marquet*	
Wired for War *by P.W. Singer*	

Twenty-four additional books are categorized as "recommended reading," and are available as electronic books (e-books). Many can be downloaded at no cost through the Navy general library program site on Navy Knowledge On-line (NKO).

The entire list, with book summaries and additional information is available at http://navyreading.dodlive.mil/

The CNO-PRP has been streamlined to make our Navy's reading program more interactive, affordable, and wherever possible, electronically accessible. To that end: a number of the titles will be available for free at the NKO portal at https://wwwa.nko.navy.mil.

- Click on the reference tab, then e-library audio and e-books tab.
- In order to download books, an "overdrive" account is required. On the top right, click on the overdrive window and follow the prompts.
- Then, not only are the PRP books available, but also hundreds of other items.

Note: Security restrictions preclude downloading via Navy owned computers, so downloading them to personally-owned devices will be required.

SCPO RECOMMENDED COMMUNITY READING

Title	Completed
Basic Military Requirements Manual (BMR) *NAVEDTRA 14325*	
Engineering Journeyman PQS *NAVEDTRA 43702*	
Engineering Fundamentals *NAVEDTRA 43103-A*	
Surface Force Training Manual *COMNAVSURFORINST 3502.1C*	
Surface Ship Firefighting *NAVSEA S9086-S3-STM-010/CH 555 V1*	
Stability & Buoyancy *NAVSEA S9086-CN-STM-010/CH 079 V1*	
Practical Damage Control *NAVSEA S9086-CN-STM-020/CH-079 V2*	
Piping Systems *NAVSEA S9086-RK-STM-010/CH-505*	
Surface Ship Survivability *NTTP 3-20.31*	
NSTM TAGOUT Users Manual *NAVSEA S0400-AD-URM-010/TUM*	
U.S. Navy Uniform Regulations *NAVPERS 15665I*	
Naval Military Personnel Manual *NAVPERS 15560D*	
Ships' Maintenance and Material Management (3M) Manual *NAVSEAINST 4790.8 Series*	
Navy Occupational Safety and Occupational Health (SOH) Program Manual for Forces Afloat Vol II Surface Ship Safety Standards *OPNAVINST 5100.19E*	
Physical Readiness Program *OPNAVINST 6110.1J*	
Standard Organization and Regulations of the U.S. Navy (SORM) *OPNAVINST 3120.32 Series*	
Enlisted to Officer Commissioning Programs Application Administrative Manual *OPNAVINST 1420.1B*	
Damage Control Enineering Casualty Control *NSTM 079 V3*	
NSTM 077 Rev 7 Personnel Protective Equip *S9086-CL-STM-010*	
Inspections, Tests, Records, & Reports *NSTM 090*	
Boiler Water/Feedwater Water Chemistry *NSTM 220*	
Boilers *NSTM 221*	
Propulsion and SSTG Steam Turbines *NSTM 231*	
Lubricating Oils, Lubrication Systems *NSTM 262*	
Ship Fuel and Fuel Systems *NSTM 541*	
STEAM GENERATING PLANT INSPECTION *0910-LP-106-7830*	

Machinist's Mate
Master Chief Petty Officer
(Master)

NAME_____

SKILL TRAINING

(Schools, courses and assignments directly related to occupation)

REQUIRED SKILL TRAINING

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

RECOMMENDED SKILL TRAINING

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
Navy War College				
QAI	Various	A-557-0001	5 days	
SEPEC	Various	A-651-0110	12 days	
DAPA	Various	S-501-0100	5 days	
CMEO/EEO	Various	A-500-0009	5 days	
CACCO	Various	S-540-1015	2 days	
ADAMS (facilitator)	Various	S-501-0110	3 days	

NAVY ENLISTED CLASSIFICATION CODE (NEC) OPPORTUNITIES

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
Senior Enlisted Academy (SEA)	Newport, RI	P-920-1300	3 weeks 70 hours of PPME on NKO and 3 weeks resident	
Senior Enlisted Academy (SEA) (Non-Resident)	Newport, RI	P-920-1301	2 weeks	

JOB DESCRIPTION

According to the Bureau of Naval Personnel (BUPERS), the job of an MM is to "operate, maintain, and repair (organizational and intermediate level) ship propulsion machinery, auxiliary equipment, and outside machinery, such as: steering engine, hoisting machinery, food preparation equipment, refrigeration and air conditioning equipment, windlasses, elevators, and laundry equipment. Operate and maintain (organizational and Intermediate level) marine boilers, pumps, forced draft blowers, and heat exchangers; perform tests, transfers, and inventory of lubricating oils, fuels, and water. Maintain records and reports, and may perform duties in the generation and stowage of industrial gases." Enlistees are taught the fundamentals of this rating through on-the-job training or formal Navy schooling. Advanced technical and operational training is available in this rating during later stages of career development. -- NAVPERS 18068F

Machinist's Mate (Surface) generally fall into one of Two roles:

Propulsion Mechanics

The core job of an MM is the engine room. A mechanic's job in the engine room is to operate the steam plant that provides propulsion, electric power (along with Electrician's Mates), potable water, and service steam to the ship. MMs operate the boilers that generate the steam (this job was previously done by Boiler Technicians, but the BT rating merged with Machinist's Mates in 2000) and use it to operate main engine (propulsion turbines), turbo generators, distilling units, and various auxiliary turbines. MM's working in the propulsion plants are often referred to as Pit Snipes, or Snipes for short.

Machinist's Mates responsible for the propulsion plant are found in Machinery Division (or Main Engine Division, Main Propulsion Division, etc.. in some ships), commonly referred to simply as M-Division or MP-Division. On surface nuclear ships, propulsion mechanics are found in Reactor Propulsion Division (commonly still referred to as M-Div), Reactor Mechanical Division (RM), Reactor Laboratories Division (RL). The USS Enterprise is the exception, in that M-Division is still part of Engineering Department, as opposed to Reactor Department.

Auxiliary Mechanics

The other major place to find Machinist's Mates is in the Auxiliaries Division of Engineering Department, often referred to as "A-gang". Mechanics in this role work on mechanical equipment outside of the engine rooms, to include the dishwashers in the galley, laundry machines, AC&R (Air Conditioning and Refrigeration) units, O2/N2 (liquid oxygen and nitrogen) units, lifting and hoisting gear, and other equipment as designated by the Engineering Officer (Chief Engineer, or CHENG). Members of "A-Gang" may also help DC Men, Gunner's Mates, or other ratings.

RECOMMENDED BILLET ASSIGNMENTS

Machinist’s Mates work in a variety of climates at sea and ashore. They normally perform their work at sea in a controlled climate, but are often called upon, to work in machinery spaces and flight decks in various sea states and weather conditions.

Other opportunities:

Command Senior Chief, RDC, Instructor/Facilitator, Recruiter, 3-M Coordinator, CMEO/EOA
DAPA, CACO, Detailer, Joint Assignments, GWOT Support Assignments

PERSONAL AND PROFESSIONAL DEVELOPMENT (Completed at reporting 30 day Career Development Board)

Command Address: _____ QD Phone Number: _____

_____

Division Officer: _____ Phone Number: _____

Command Master Chief: _____ Phone Number: _____

Sponsor/Mentor: _____ Phone Number: _____

Depart/Division Career Counselor: _____ Phone Number: _____

Phone Number: _____

ADSD: _____ REPORT DATE: _____ EAOS: _____ PRD: _____ SEA / SHORE: _____/____

HYT Date: _____ Security Clearance Level: _____ Date Last updated: _____ Command INDOC complete: _____

CAREER DEVELOPMENT BOARDS: Use OPNAVINST 1040.11(ser) & Career Counselor Handbook NAVPERS 15878
(E9) Reason for Convening/Discussion Items: (Upon completion update (CIMS) Career Information Management System)

Reporting (within 30 days for active duty or three drill weekends for SELRES) (Date Conducted): _____

6 Month: _____ 12 Month: _____ 24 Month: _____36 Month: _____48 Month: _____

60 Month: _____ CPO 365: _____ Special Program: _____ Member Request: _____

HYT 24 months (Date): _____ HYT 12 months (Date): _____ HYT Waiver Date: _____Approve/Disapprove

CMS/ID 13 months to PRD: _____ Transfer: _____

Early Separation: _____ Fleet Reserve Retirement Options:_____

Physical Fitness Test Failure: _____ Career Status Bonus (election message received): _____

Enlisted to Officer Commissioning Program Application & Administration Manual OPNAVINST 1420.1(series):

Commissioning Programs Applications: _____ (prior to submission, command endorsement):_____

Medical Enlisted Commissioning Program (MECP) _____ Medical Service Corps In-service Procurement _____

Officer Candidate School _____ Limited Duty Officer _____ Chief Warrant Officer _____

Navy Leader Planning Guide: Log on to NKO and select the Leadership Tab to access this guide.

QUALIFICATIONS AND CERTIFICATIONS

Sea/Shore General Qualifications **Watch Standing Qualifications**	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**
Ship Board Fire Fighting		
Aviation Fire Fighting		
Basic Damage Control		
Advanced Damage Control		
3M 303 Work Center Supervisor		
3M 304 LCPO/Division Officer		
Section Leader		
Officer of the Deck (OOD) (In Port)		
Command Duty Officer (CDO)		
Junior Officer of the Deck (JOOD)		
Officer of the Deck (OOD) (At Sea)		
Personal Qualifications Standard		

Mandatory warfare qualification for enlisted Sailors assigned to designated warfare qualifying commands:

Warfare qualification programs	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**
Surface Warfare Specialist		
Aviation Warfare Specialist		

Rate Specific/Department Qualifications (Add)	**Report Date**	**Completion Date** **(If qualification is not required place N/A in this Block)**

CERTIFICATIONS

The following post military occupations are similar to the MM-Machinist's Mate Rating. For more information about these occupations, visit NAVY COOL at https://www.cool.navy.mil/usn/.

Occupation (Civilian Employer)
Boilermakers
Bus and Truck Mechanics and Diesel Engine Specialists
Computer, Automated Teller, and Office Machine Repairers
Control and Valve Installers and Repairers, Except Mechanical Door
Cooling and Freezing Equipment Operators and Tenders
Engine and Other Machine Assemblers
First-Line Supervisors of Mechanics, Installers, and Repairers
First-Line Supervisors of Production and Operating Workers
Gas Compressor and Gas Pumping Station Operators
Hazardous Materials Removal Workers
Helpers--Installation, Maintenance, and Repair Workers
Hoist and Winch Operators
Industrial Machinery Mechanics
Insulation Workers, Mechanical
Machinists
Maintenance and Repair Workers, General
Maintenance Workers, Machinery
Mobile Heavy Equipment Mechanics, Except Engines
Pipe Fitters and Steamfitters
Power Plant Operators
Pump Operators, Except Wellhead Pumpers
Refrigeration Mechanics and Installers
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders
Ship Engineers
Stationary Engineers and Boiler Operators
Water and Wastewater Treatment Plant and System Operators

Occupation (Federal Employer)
0871 - Naval Architecture Series
4749 - Maintenance Mechanic
4850 - Bearing Reconditioning
5306 - Air Conditioning Equipment Mechanic
5350 - Production Machinery Mechanic
5402 - Boiler Plant Operating
5415 - Air Conditioning Equipment Operating
5419 - Stationary-Engine Operating
9945 - Refrigeration Engineer
9958 - Evaporator-Utilityman
9963 - Fireman
9964 - Fireman-Watertender

Navy COOL: The following certifications and licenses are applicable to the MM-Machinist's Mate rating. *They may require additional education, training or experience.*

Target paygrade	Certifying Agency	Credential Title	Date Completed
E6	American Society for Quality (ASQ)	Certified Manager of Quality/Organizational Excellence (CMQ/OE)	
E3	American Society for Quality (ASQ)	Certified Quality Improvement Associate (CQIA)	
E4	American Society for Quality (ASQ)	Certified Quality Technician (CQT)	
E5	Electrical Generating Systems Association (EGSA)	Electrical Generator Systems Technician Certification - Apprentice	
E5	International Fluid Power Society (IFPS)	Industrial Hydraulic Mechanic (IHM)	
E5	International Fluid Power Society (IFPS)	Mobile Hydraulic Mechanic (MHM)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level I (CCST-I)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level II (CCST-II)	
E5	International Society of Automation (ISA)	Certified Control Systems Technician - Level III (CCST-III)	
E5	National Institute for Metalworking Skills, Inc (NIMS)	Diemaking Level III	
E6	North American Electric Reliability Corporation (NERC)	System Operator Certification	
E5	North American Technician Excellence (NATE)	Air Conditioning Specialty (Service)	
E5	Professional Evaluation and Certification Board (PECB)	ISO 9001 Foundation - Quality Certification	
E5	Society for Maintenance and Reliability Professionals (SMRP)	Certified Maintenance and Reliability Professionals (CMRP)	
E5	Society for Maintenance and Reliability Professionals (SMRP)	Certified Maintenance and Reliability Technician (CMRT)	
E4	Transportation Security Administration	Transportation Worker Identification Credential (TWIC)	
E4	United States Coast Guard (USCG)	National QMED: Machinist/Pumpman	
E4	Vibration Institute	Certified Balancing Specialist - Category I	
E4	Vibration Institute	Certified Vibration Analyst - Category I	
E5	Vibration Institute	Certified Vibration Analyst - Category II	

Visit Navy COOL at https://www.cool.navy.mil/usn/ for additional Credentials that you may qualify to earn; however funding may be limited to your GI Bill.

UNITED SERVICES MILITARY APPRENTICESHIP PROGRAM (USMAP):

Rank	Apprenticeship	Date Completed
E1 - E9	Boilerhouse Mechanic	
E1 - E9	Bulk Fuel Specialist (Pumper-Gauger)	
E1 - E9	Computer Operator	
E1 - E9	Diesel Mechanic	
E1 - E9	Electronics Mechanic	
E1 - E9	Electronics Mechanic (Any Industry)	
E1 - E9	Hydroelectric-Machinery Mechanic (Utilities)	
E1 - E9	Maintenance Mechanic (Any Industry)	
E1 - E9	Ordnance Artificer (Government Service)	
E1 - E9	Pipe Coverer And Insulator	
E1 - E9	Power-Plant Operator (Utilities)	
E1 - E9	Pump Repairer (Any Industry)	
E1 - E9	Refrigeration Mechanic	
E1 - E9	Refrigeration Mechanic (Any Industry)	
E1 - E9	Water-Treatment-Plant Operator (Waterworks)	

Visit USMAP https://usmap.netc.navy.mil/usmapss/static/index.htm for additional information.

STAY NAVY

REENLIST / EXTEND: Request Chit/Form: _____ Guaranteed Assignment in Detailing (GUARD 2000): _____

Career Management System/Interactive Detailing (CMS/ID): _____

Medical/Dental Screening: _____ Command Recommendation (evaluation): _____ Bonus: _____ Ceremony: _____

TRANSFER:

15 Months	12 Months	9 Months	6 Months	Orders Received
Exception Family Member_____	EFM____	CMS/ID____	Accept Orders_____	Screening_____
CMS/ID_____	CMS/ID_____		Reverse Sponsor_____	Obligate_____
Continuous Overseas Tours (COT) _____			Relocation (FFSC) ____	Bonus_____
Overseas Tour Extension Incentive Program (OTEIP) _____			Medical/Dental_____	

For additional assistance in transfer and relocation, go to the Military HOMEFRONT website: http://www.public.navy.mil/bupers-npc/Pages/default.aspx and visit your Fleet and Family Support Center on base.

SEPARATING/RETIRE:

18 -12 months	6 months	90 days	30 days
Transition GPS _____	MED/DEN _____	Copy of Records_____	Copy of Records _____
Complete DD2648PSD_____	Relocation _____	Official Record CD_____	PSD_____
Transition Planning_____	Relocation Services (FFSC) _____	Arrange Ceremony_____	MED/DEN _____
	Reserve Affiliation_____	Request Leave / PTDY _____	
	VA/DVA_____		

PHYSICAL FITNESS:

Participate in a year-round physical fitness program to meet Navy fitness and BCA standards. Review and verify accuracy of PFA data in PRIMS within 60 days of the PFA cycle. (PRIMS is accessible through your BUPERS Online Account)

Height_____ Weight_____ If Required (Neck_____ Waist_____ Hips (Female) _____ BCA _____)

Last 2 PRT Cycles: Curl-ups_____/_____ Push-ups_____/_____ Run/Swim/Cardio_____/____ Overall Score_____/_____

List date (if) any PRT/BCA failure(s) over the last 5 years _____/_____ List if any Medical Waiver(s)_____/_____

For more information on Navy Fitness, visit: http://www.navyfitness.org/

PROFESSIONAL MILITARY EDUCATION

(Resident and non-resident coursework designed to enhance a Sailor's general military professional knowledge and abilities)

EDUCATION: (Prior to considering any pursuit of off duty education or program enrollment VISIT YOUR NAVY COLLEGE OFFICE or call the Virtual Education Center (VEC)!!!)

Education Plan Completed (Navy College Office/VEC _____Current Education Level_____

Degree Goal_____
Various distance learning degree options are available using, Sailor and Marine Online Academic Advisor (SMOLAA)

Goal: Date: AA/AS _____ BA/BS _____ Master _____
(Credits to earn a degree - AA/AS: 60 SH/90 QH, BA/BS: 120 SH/180, QH, Master /Doctorate: Variable based on program)

Number of current credits _____ American Council on Education (ACE) recommended credits_____

SOC DNS Agreement _____ Joint Service Transcripts (JST) _____ HS Transcripts_____ College Transcripts_____

Date Degree Obtained: AA/AS _____ BA/BS _____ Master _____ Doctorate _____

For entry into JST, send official transcripts to:
Naval Education and Training Professional Development and Technology Center
Attn: JST Operation Center N615
6490 Saufley Field Road
Pensacola, FL 32509
Phone: 1-877-838-1659
Comm: 757-492-4684
FAX: 757-492-5095
DSN: 492-4684
Email: VEC@navy.mil

VOLUNTARY EDUCATION (Study guides and exam preparations and practice test located on NKO)

NCPACE _____CLEP _____DSST _____TA _____MGIB _____Post 9/11 GIB_____AEV_____

MCPO REQUIRED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Joint Professional Military Education (JPME)	War College	Military DON / PME	40 hours	
Senior Enlisted Academy [4]	Newport RI	P-920-1300	9 weeks (DL) / 3 weeks (F2F)	
ADAMS for Supervisors	Various Locations	S-501-0120	8 hours	
ADAMS for Facilitators	Various Locations	S-501-0110	16 hours	
Ethics Training	Command Delivered			
Required General Military Training Topics For FY 2016 (Standardized Core Training) [1]				
Antiterrorism Level I Awareness	NKO/Command Delivered	CENSECFOR-AT-010-1.0		
Combating Trafficking in Persons General Awareness	NKO/Command Delivered	DOD-CTIP-1.0		
Counterintelligence Awareness and Reporting	NKO/Command Delivered	DOD-CIAR-1.0		
Cyber Awareness Challenge V3	NKO/Command Delivered	DOD-IAA-V13.0		
Operations Security (Uncle Sam's OPSEC)	NKO/Command Delivered	NIOC-USOPSEC-2.0		
Privacy and Personally Identifiable Information	NKO/Command Delivered	DOD-PII-2.0		
Records Management	NKO/Command Delivered	DOR-RM-010-1.1		
Sexual Assault Prevention and Response Awareness (SAPR)	Command Delivered	CPPD-GMT-SAPRA-1.0 CC		
Equal Opportunity/Sexual Harassment/Grievance Procedures [2]	Command Delivered	CPPD-GMT-EOSH-1.0		
Suicide Prevention	Command Delivered	CPPD-GMT-SAP-1.0		
Required General Military Training Topics For FY 2016 (Command-Assigned Readiness –Enhancement topics; biennial periodicity) [3]				
Alcohol, Drug, and Tobacco Awareness	Command Delivered	CPPD-GMT-ADTA-1.0		
Domestic Violence Prevention and Reporting	NKO/Command Delivered	CPPD-GMT-DV-1.0		
Sexual Health and Responsibility	NKO/Command Delivered	CPPD-GMT-SHR-1.0		
Stress Management	Command Delivered	CPPD-GMT-SM-1.0		

1 - Verify GMT topics on NKO GMT web page.
2 - Course should be delivered in conjunction with SAPR. If not practicable, separate training is still required.
3 - Topics to be delivered once per deployment cycle. If deployment cycle is not applicable or exceeds two years between deployments, then deliver once every two years.
4 - Course remains a requirement to become a Command Master Chief/Chief of the Boat.

MCPO REQUIRED COMMUNITY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

MCPO RECOMMENDED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Chief's Mess Training (CMT/LCC) (21 modules available)	Command Delivered		Each Month	
Primary Enlisted Professional Military Education (PEPME)	NKO	Military DON/ PME	60 hours	
Block 1 Primary EPME - Introduction	NKO	PPME-SENL-B1		
Block 2 Primary EPME - The Culture of the Navy	NKO	PPME-SENL-B2		
Block 3 Primary EPME - Governance of the Navy	NKO	PPME-SENL-B3		
Block 4 Primary EPME - How the Navy Thinks About War	NKO	PPME-SENL-B4		
Block 5 Primary EPME - How the Navy Plans its Operations	NKO	PPME-SENL-B5		
Block 6 Primary EPME - Technology in the Maritime Domain	NKO	PPME-SENL-B6		
Block 7 Primary EPME - PME Conclusion	NKO	PPME-SENL-B7		
Joint Professional Military Education (JPME)	NOK	JKDDC-SNCO-2	60 hours	
Senior Enlisted Leadership Development Guide	NKO			
CMDCM/COB Leadership Course (Must have fleet recommendation)	NKO/Classroom (Newport, RI)	CPPD/NETC CMDCM-9580 COB-9579		
Culture	NKO or College Course	Foreign Language and Culture	45 hours	
Selection Board Member	NKO	NPC-SBM-2.0	1 hour	
Recommended General Military Training Topics For FY 2016 (Delivery determined by command discretion) [1]				
Energy Policy	Command Delivered	OPNAV-GMTE-1.0		
Hazing Policy and Prevention	Command Delivered	CPPD-GMT-HPP-1.0		
Operational Risk Management	NKO/Command Delivered	CPPD-GMT-ORM-1.0		
Personal Financial Management	Command Delivered	CPPD-GMT-PFM16-1.0		
Physical Readiness	NKO/Command Delivered	CPPD-GMT-PRT-2.0		

1 - Verify GMT topics on NKO GMT web page.

Courses with Recommended Reserve Points:

Commander Navy Reserve Forces (CNRF) N7 determines the number of reserve points awarded for completion of a course taken on Navy E-Learning. This listing should only be used as a guide and is subject to change by direction of CNFR N7.

Navy E-Learning has no control over how many, if any, reserve points are eventually awarded for the completion of a course. All questions concerning the award of reserve points should be directed to CNFR N7.

MCPO RECOMMENDED RESERVE PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
NROWS Orders Administration Course	NKO	R-500-0140/02PG /DoN	8 hours	
Naval Reserve Center Commanding Officer Officer In Charge	NKO	CNRFC-COOIC-1.0 /DoN	8 hours	
Guidance for Mobilization	NKO	CNRFC-GMB-1.1 /DoN	4 hours	
Military Sealift Command 101	NKO	CNRFC-MSC101 /DoN 1.1	24 hours	
Non-Prior Service Accession Program	NKO	CNRFC-NPSAP-2 /DoN 0	23 hours	

MCPO RECOMMENDED COMMUNITY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
None				

NAVY PROFESSIONAL READING PROGRAM (PRP)

The purpose of the Reading Program is to facilitate the professional and personal development of all Sailors. For additional information on changes, refer to NAVADMIN 309/12 or visit http://navyreading.dodlive.mil/ or http://navy.lib.overdrive.com/ or https://wwwa.nko.navy.mil

ESSENTIAL READING

WARFIGHTING FIRST	**Completed**
1812: The Navy's War *by George C. Daughan*	
Cybersecurity and Cyberwar: What Everyone Needs to Know *by P.W. Singer*	
SEAL of Honor *by Gary Williams*	
Leading with the Heart *by Mike Krzyzewski, Donald T. Phillips, and Grant Hill*	
The Twilight War *by David Crist*	
Wake of the Wahoo *by Forest J. Sterling*	
OPERATE FORWARD	**Completed**
The Crisis of Islam *by Bernard Lewis*	
Execute Against Japan *by LT Joel Holwitt, USN*	
Monsoon *by Robert Kaplan*	
Neptune's Inferno *by James D. Hornfischer*	
Red Star Over the Pacific *by Toshi Yoshihara and James Holmes*	
Fallout *by Catherine Collins and Douglas Frantz*	
BE READY	**Completed**
A Sailor's History of the U.S. Navy *by Thomas Cutler*	
In the Shadow of Greatness *by Joshua Welle, John Ennis, Katherine Kranz and Graham Plaster*	
Navigating the Seven Seas *by Melvin G. Williams, Sr. and Melvin G. Williams, Jr.*	
The Trident: The Forging and Reforging of a Navy SEAL Leader *by Jason Redman and John Bruning*	
Turn the Ship Around *by David Marquet*	
Wired for War *by P.W. Singer*	

Twenty-four additional books are categorized as "recommended reading," and are available as electronic books (e-books). Many can be downloaded at no cost through the Navy general library program site on Navy Knowledge On-line (NKO).

The entire list, with book summaries and additional information is available at http://navyreading.dodlive.mil/

The CNO-PRP has been streamlined to make our Navy's reading program more interactive, affordable, and wherever possible, electronically accessible. To that end: a number of the titles will be available for free at the NKO portal at https://wwwa.nko.navy.mil.

- Click on the reference tab, then e-library audio and e-books tab.
- In order to download books, an "overdrive" account is required. On the top right, click on the overdrive window and follow the prompts.
- Then, not only are the PRP books available, but also hundreds of other items.

Note: Security restrictions preclude downloading via Navy owned computers, so downloading them to personally-owned devices will be required.

MCPO RECOMMENDED COMMUNITY READING

Title	Completed
Damage Control Rating Manual *NAVEDTRA 14057*	
Basic Military Requirements Manual (BMR) *NAVEDTRA 14325*	
Engineering Journeyman PQS *NAVEDTRA 43702*	
Engineering Fundamentals *NAVEDTRA 43103-A*	
Gas Free Engineering *NAVSEA S9086-CH-STM-030/CH 074 V3R4*	
Stability & Buoyancy *NAVSEA S9086-CN-STM-010/CH 079 V1*	
Practical Damage Control *NAVSEA S9086-CN-STM-020/CH-079 V2*	
Shipboard BW/CW Defense *NAVSEA S9086-QH-STM-010/CH 470*	
Piping Systems *NAVSEA S9086-RK-STM-010/CH-505*	
Surface Ship Firefighting *NAVSEA S9086-S3-STM-010/CH 555 V1*	
Surface Ship Survivability *NTTP 3-20.31*	
NSTM TAGOUT Users Manual *NAVSEA S0400-AD-URM-010/TUM*	
U.S. Navy Uniform Regulations *NAVPERS 15665I*	
Naval Military Personnel Manual *NAVPERS 15560D*	
Ships' Maintenance and Material Management (3M) Manual *NAVSEAINST 4790.8 Series*	
Navy Occupational Safety and Occupational Health (SOH) Program Manual for Forces Afloat Vol II Surface Ship Safety Standards *OPNAVINST 5100.19E*	
Physical Readiness Program *OPNAVINST 6110.1J*	
Standard Organization and Regulations of the U.S. Navy (SORM) *OPNAVINST 3120.32 Series*	
Enlisted to Officer Commissioning Programs Application Administrative Manual *OPNAVINST 1420.1B*	
Damage Control Enineering Casualty Control *NSTM 079 V3*	
NSTM 077 Rev 7 Personnel Protective Equip *S9086-CL-STM-010*	
Inspections, Tests, Records, & Reports *NSTM 090*	
Boiler Water/Feedwater Water Chemistry *NSTM 220*	
Boilers *NSTM 221*	
Propulsion and SSTG Steam Turbines *NSTM 231*	
Lubricating Oils, Lubrication Systems *NSTM 262*	
Ship Fuel and Fuel Systems *NSTM 541*	
STEAM GENERATING PLANT INSPECTION *0910-LP-106-7830*	

ALL PAYGRADES
VOLUNTARY EDUCATION

Note: Prior to considering any pursuit of off duty education or program enrollment visit your Navy College Office or call the Virtual Education Center (VEC).

You must complete the Tuition Assistance Workshop before your first course will be approved.

E1- E6: The workshop is available at your Navy College Office
E-7 and above: The Workshop is available at your Navy College Office
or
Complete the online course at the Navy College Website

How do I get started?

You already have. All your training up to this point is part of your Machinist's Mate Roadmap. Now that you have made the first steps you will need to sit down and formulate a plan. This plan will work best if you start out discussing your options with your Leading Chief Petty Officer, Leading Petty Officer, Mentor, or Career Counselor. They will help you understand all of the basics. Then your next stop is your Navy College Office. The counselors there will be able to help you formalize your plan and make sure that it makes sense for both you and the Navy. To aid you in your conversation with these professionals, here are a few questions that you may want to ask.

What credits do you have? What non-college courses have you taken? Where do you want to go? What field of study, or what kind of degree? What program will help me get there, Traditional or Online, What are my next steps: Transfer credits, Take exams, Have experience evaluated, Then lastly sign up for new courses?

RECOMMENDED OCCUPATIONAL-RELATED ASSOCIATE'S DEGREE FOR MM

Recommended Associates' degrees for the Fireman

RECOMMENDED OCCUPATIONAL-RELATED BACCALAUREATE/MASTERS DEGREE FOR MM

Recommended Bachelors/Masters degrees for the Fireman

GENERAL INFORMATION ON VOLUNTARY EDUCATION

The Navy College Program & Web Page:

The Navy College Program (NCP) provides opportunities to Sailors to earn college degrees by providing academic credit for Navy training, work experience, and off-duty education. The NCP mission is to enable Sailors to obtain a college degree while on active duty. In support of the four R's- Recruiting, Readiness, Retention, and Respect, the NCP signifies Navy's commitment to education by improving enlistment appeal, demonstrating Navy service and achieving a college degree are compatible, helping Sailors apply themselves to new situations and challenges and better preparing them for advancement, building up Sailors' self-image, and producing higher quality Sailors. More information is available online at: https://www.navycollege.navy.mil

Navy College Program Distance Learning Program (NCPDLP)

The Navy College Program (NCP) has developed partnerships with colleges and universities to offer rating relevant degrees via distance learning to Sailors everywhere. These new education partnerships provide associates and bachelors degree programs relevant to each rating, and make maximum use of military professional training and experience to fulfill degree requirements. The program also provides opportunities to take courses through distance learning so that Sailors anywhere will be able to pursue a degree. Courses are offered in a variety of formats, such as CD-ROM, videotape, paper, or over the Internet. Contact your Navy College Office or the Navy College Center about degree programs available from your partnership schools.

Servicemembers Opportunity College Degree Network System (SOC DNS):

The SOC DNS consists of accredited colleges offering specific associate's and bachelor's degrees (while limiting academic residency) to Sailors, Marines, Soldiers and members of the Coast Guard worldwide. Colleges taking part in each curriculum area guarantee acceptance of one another's courses as identified by SOC DNS Course Category Codes. The "home" college (the SOC DNS college from which the student wishes to graduate) issues an official Student Agreement to all eligible students after the completion of the sixth semester hour and a complete evaluation of the servicemember's prior learning, including courses from other colleges and universities, military training and occupational experience, nationally-recognized tests, and other non-traditional credit. The SOC DNS Student Agreement is a contract-for-degree that protects the eligible student from changes to his or her degree program. It is a comprehensive long-range degree plan that lists all of the course requirements, but does not require that all courses be taken with that college. More information is available online at: http://www.soc.aascu.org/socdns/

Tuition Assistance (TA):

TA provides funds for eligible active-duty personnel to attend approved educational institutions on an off-duty basis to earn a high school diploma, vocational/technical certificate, or college degree. TA pays for tuition and fees directly associated with the course of instruction. TA will pay for the following amounts per fiscal year: 16 semester hours, not-to-exceed $250/credit or 24 quarter hours, not-to-exceed $166.67/credit or 240 clock hours (CH), not-to-exceed $16.67/CH or a combination of semester and quarter hours.

Joint Service Transcripts (JST)

JSTs are official military transcripts which are used by colleges to validate your actual credited training. Every Sailor has a transcript already and access to it is free. More information is available online at: https://jst.doded.mil/

The American Council on Education (ACE)

ACE has reviewed every course listed in the OCCUPATIONAL Roadmap and determined what type of collegiate level credit is recommended. The ACE identifier, listed with each course, is a source to validate the information and to check for changes as they occur. Updates can be found at http://www.militaryguides.acenet.edu.

Vocational Certificates

Vocational Certificates are available from most community colleges. Most of your military training can be counted toward their degree programs, but they will still require residency credits and approximately 40-75 credit hours. These certificates can be as valuable as the apprenticeship program in the civilian work force.

College credits by Testing CLEP, DSST

Testing can replace the requirement to attend most of the college courses listed in the Occupational Roadmap. Base Education Centers offer CLEP and DSST exams for active duty military at no cost. They also offer a comprehensive list of "credit-by-exam" tests. Additionally, many of the tests have study guides available. These tests are available at the base education center or through the base library system.

DANTES (DSST) http://www.dantes.doded.mil/DANTES_WEB/EXAMINATIONS/DSST.htm
CLEP Exams http://www.collegeboard.com/student/testing/clep/about.html

SAMPLE DEGREE PLAN

Florida Community College

NCPDLP ROADMAP

A.S. INDUSTRIAL MANAGEMENT TECHNOLOGY

RATING:

Other Degree Requirements: *Remediation / SLS / Pre-reqs if Needed*
Residency: 25% coursework must be completed at FCCJ (in-class or DL).

~ School Degree Information ~

COURSE NUMBER/TITLE	CREDITS NEEDED	SERVICE SCHOOL	MOS	CLEP	DSST	EXCELSIOR	DL	SOC CRS. Cat.#
~GENERAL EDUCATION								
ENC 1101 - English Composition I	3		-	ENC1101	-	ENC1101	Y	EN024A
Social Science	3		-	Y	Y	Y	Y	TBD
Mathematics	3		-	Y	Y	-	Y	TBD
Humanities	3		-	Y	Y	-	Y	TBD
Natural Science	3		-	Y	Y	Y	Y	TBD
~PROFESSIONAL COURSES								
MAN 2021 - Principles of Management	3	E7-E9		MAN2021			Y	MG101A
BCN2732: OSHA Safety	3						N	ET069A
GEB 1011 - Introduction to Business	3				GEB1011		Y	BU001A
OST1581:Professional Development in the Work Environment	3						Y	
MAN2125:Supervision & Performance Improvement	3						Y	
ENC2210: Technical Report Writing	3						Y	EN032A
CGS 1100 - Microcomputer Applications	3	E6-E9					Y	OF033A
~PROFESSIONAL ELECTIVES - minimum 24 hours								
	E3	E4	E5	E6	E7	E8	E9	
ACE Recommended from MOS / Rate:								
Military Credits	7	13	13	17	16	16	16	
Credit from Service School:								
Recruit Training	2	2	2	2	2	2	2	
A-School (if attended)								
C-Schools (if attended)	Credit based on individual evaluation							
Total Elective Hours	9	15	15	19	18	18	18	
Total Credits Awarded *	**9**	**15**	**15**	**22**	**24**	**24**	**24**	
TOTAL CREDITS NEEDED (60 s.h.)	**51**	**45**	**45**	**38**	**36**	**36**	**36**	

* ***Disclaimer:*** Please be aware that this is a sample and a Sailor's actual credit awarded may vary depending on the ACE recommendation in effect at the time of their training. This is an unofficial preview of how credit from prior learning and military experience may be applied toward this degree option. It is subject to change upon official evaluation by Florida Community College, Military Education Institute (800) 700-2795, military@fccj.edu.

Florida Community College
Military Education Institute
601 West State Street
Jacksonville, FL 32202
800-700-2795 **FAX: 904-632-5073**
Email: military@fccj.edu

REFERENCES

Navy Enlisted Learning and Development Programs:

- Learning and Development Roadmap for Enlisted Sailors, OPNAVINST 1500.77(series)
- Navy Enlisted Retention and Career Development Program, OPNAVINST 1040.11(series)
- Career Counselor Handbook, NAVPERS 15878K
- Command Sponsor and Indoctrination Programs OPNAVINST 1740.3(series) (Sponsor assigned within 10 days of orders received / Indoctrination completed as soon as possible and practicable but NLT 90 days)
- Command Sponsorship of Dependents at Overseas Duty Stations MILPERSMAN 1300-150 to 1300-210
- Guaranteed Assignment Retention Detailing Program (GUARD 2000), MILPERSMAN 1306-1002/1004
- Navy Enlisted Warfare Qualification Programs OPNAVINST 1414.9 (series)
- Master Training Specialists (MTS) Program NETCINST 1500.2(series)
- Command Master Chief Program OPNAVINST 1306.2 (series)

Reenlistments and Extensions:

- Agreement of Enlisted Naval Reservist, and Fleet Reservists Inductees to Remain on Active Duty MILPERSMAN 1160-060
- Extension of Enlistments MILPERSMAN 1160-040
- Overseas Tour Extension Incentives Program (OTEIP) MILPERSMAN 1306-300
- Consecutive Overseas Tours (COT) Leave Travel Entitlement Policy MILPERSMAN 1050-410
- Perform to Serve (PTS) MILPERSMAN 1440-060
- Reenlistment Ceremony MILPERSMAN 1160-020
- Leave of Military Personnel MILPERSMAN 1050-040
- Required Counseling Upon Enlistment and Reenlistment MILPERSMAN 1160-031
- Selective Reenlistment Bonus (Use Latest SRB NAVADMIN)
- Selective Training and Reenlistment (STAR) Program MILPERSMAN 1160-100
- Assignment to School as a Reenlistment Incentive MILPERSMAN 1306-1006

Fleet Reserve and Retirements:

- Casualties and Survivor Benefits (SBP) MILPERSMAN 1770-010 to 1770-280 OPNAVINST 1750.5(Series)
- Disability Retirement MILPERSMAN 1850-010 to 1850-040
- Fleet Reserve and Retirement MILPERSMAN 1800-010 to 1800-070
- Privately Owned Vehicle (POV) Shipment Entitlement Policy and Household Goods (HHG) Shipment and Storage Entitlement Policy MILPERSMAN 4050-010 to 4050-020
- Permissive Temporary Duty (PTDY) Authorization for Job/House Hunting MILPERSMAN 1320-220
- Transition Assistance Management Program (TAMP) OPNAVINST 1900.2(series) (Initiate a DD-2648-1 NLT 90 Days Prior to Separation and attend workshop 12 months prior to separation/Fleet Reserve/Retirement date)

Enlisted Administrative Separations:

- Separation by Reason of Alcohol Rehabilitation Failure MILPERSMAN 1910-152
- Separation by Reason of Misconduct -Drug Abuse MILPERSMAN 1910-146
- Separation by Reason of Convenience of the Government -Early release to further education MILPERSMAN 1910-108
- Administrative Separation (ADSEP) Policy and General Information MILPERSMAN 1910-010 to 1910-812
- Fraudulent Enlistment MILPERSMAN 1910-134
- High Year Tenure (HYT) MILPERSMAN 1160-120
- Misconduct (various reasons) MILPERSMAN 1910-138/140/142
- Department of the Navy (DON) Policy on Parenthood and Pregnancy SECNAVINST 1000.10(series) & MILPERSMAN 1910-124
- Separation by Reason of Convenience of the Government -Personality Disorder MILPERSMAN 1910-122
- Separation by Reason of Physical Fitness Assessment (PA) Failure MILPERSMAN 1910-170
- Separation by Reason of Misconduct - Commission of a Serious Offense MILPERSMAN 1910-142
- Separation by Reason of Unsatisfactory Performance MILPERSMAN 1910-156

Advancement & Service Schools:

- Advancement Manual for Enlisted Personnel of the U.S. Navy and U.S. Navy Reserve BUPERSINST 1430.16(series)
- Accelerated Advancement of Recruit Training Class "A" School Graduates, and Ceremonial Guard MILPERSMAN 1430-010
- Enlisted to Officer Commissioning Program Application & Administration Manual OPNAVINST 1420.1(series)
- Service Schools MILPERSMAN 1306-600/602/604/608
- Class "A" School & Rating Entry Requirements MILPERSMAN 1306-618
- Retesting with Armed Forces Classification Test (AFCT) version of the Armed Services Vocational Aptitude Battery (ASVAB) MILPERSMAN 1236-010
- Professional Apprenticeship Tracks Program (PACT) NAVADMIN 318/07

Education:

- Joint Chiefs Professional Military Education (PME) Manual 1805.01
- Voluntary Education (VOLED) for Navy Sailors OPNAVINST 1560.9(series)
- Navy Voluntary Education Program NETCINST 1560.3(series)
- Navy Credentialing Programs OPNAVINST 1540.56
- Administration of the United Services Military Apprenticeship Programs (USMAP) OPNAVINST 1560.10(series)

Other Quick References:

- Awards Manual (SECNAVINST 1650.1(Series)
- Change in Rating MILPERSMAN 1440-010 to 1440-040
- Department of the Navy Correspondence Manual (SECNAV M-5216.5
- Navy Alcohol and Drug Abuse Prevention and Control OPNAVINST 5350.4(series)
- Exchange of Duty (SWAPS) MILPERSMAN 1306-700
- First-Term Personnel Assignment Policy MILPERSMAN 1306-126
- Individual Augmentation (IA) Policy and Procedures OPNAVINST 1001.24(series)
- Military Couple and Single Parent Assignment Policy MILPERSMAN 1300-1000
- Military Pay MILPERSMAN 7220-010 to 7220-410
- Navy Performance Evaluation System BUPERSINST 1610.10 (Series)
- Overseas Extensions MILPERSMAN 1300-310
- Physical Readiness Program OPNAVINST 6110.1(series) / MILPERSMAN 6100-6199
- Reassignment for Humanitarian Reasons (HUMS) MILPERSMAN 1300-500
- Standardization Policy and Procedures for the Active Duty for Special Work (ADSW) Program OPNAVINST 1001.20(series)
- Operational Risk Management OPNAVINST 3500.39C
- Personnel Qualification Standards (PQS) Catalog NAVEDTRA 43100-6M