



INTERIOR COMMUNICATION ELECTRICIAN



RATING ROADMAP

January 2012

CAREER ROADMAP

Fireman Recruit to Master Chief Roadmaps

The educational roadmap below will assist Sailors in the Interior Communication Electrician community through the process of pursuing professional development and advanced education using various military and civilian resources e.g. PQS program; 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 Interior Communication Electrician

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

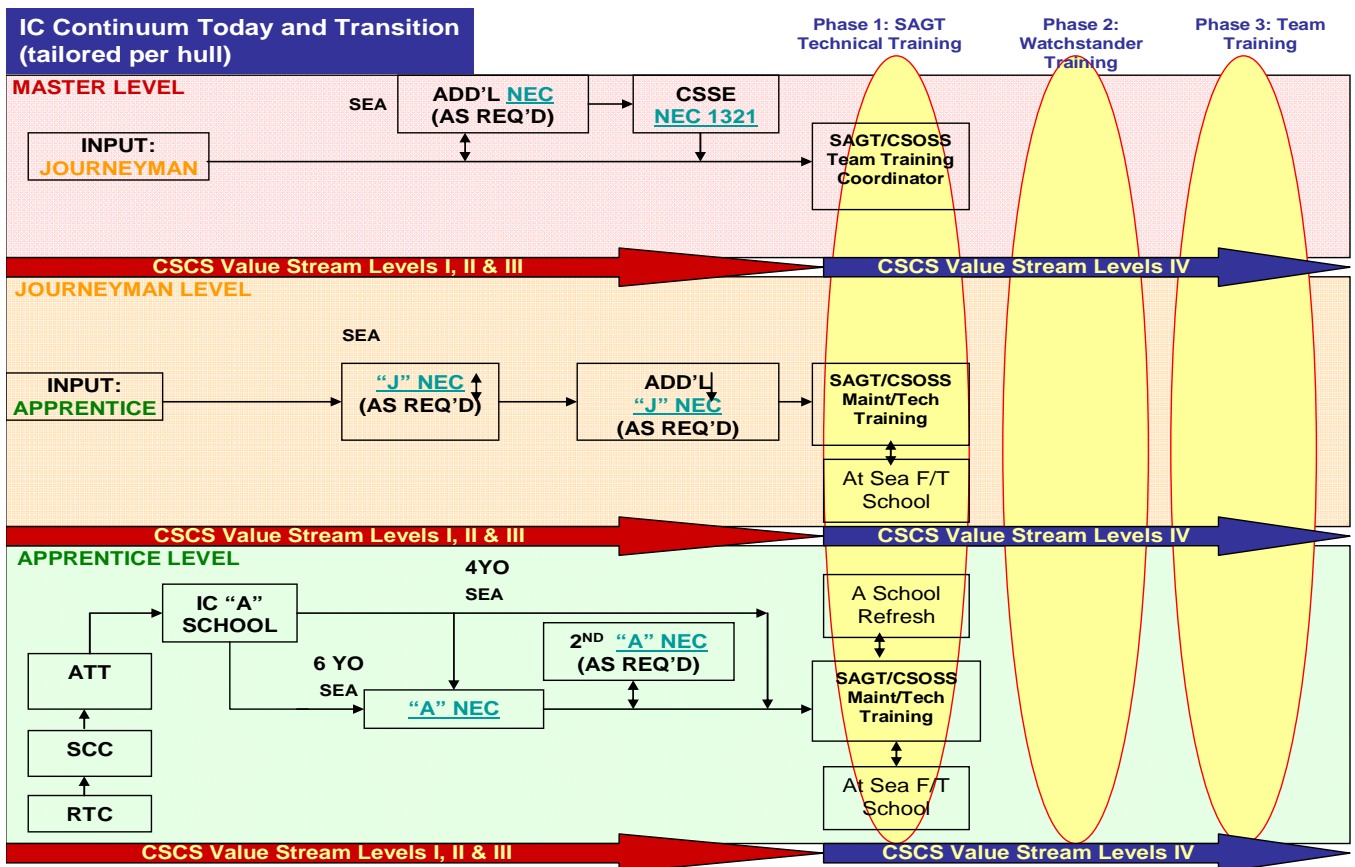
What is the Enlisted Learning and Development Continuum?

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 **Interior Communication Electrician** roadmap includes the four areas encompassed by the Continuum in Professional Military Education to include; Navy Professional Military Education, Joint Professional Education, Leadership and Advanced Education.

Some training and education is mandatory (Recruit Training, **Interior Communication Electrician "A" School** at Great Lakes Training Center, 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.



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.



**Interior Communication Electrician (IC) 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
Surface Common Core	Great Lakes IL	A-500-0022		
IC Apprentice Technical Training	Great Lakes IL	A-100-0103		
Interior Communications Electrician	Great Lakes IL	CSCS-ICA-IC00		

RECOMMENDED SKILL TRAINING

			Course Length	Date Completed
None				

NAVY ENLISTED CLASSIFICATION CODE (NEC) OPPORTUNITIES

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
IC-4708 Automated Electrolytic Oxygen Generator (AEOG) Maintenance Technician		A-623-0008		
IC-4712 Integrated Voice Communications (STC-2) Technician		A-623-0101		
IC-4713 MarCom Intergrated Voice Communications Technician		A-623-0022		
IC-4727 WSN-2 Stabilized Gyrocompass Technician		A-670-0048		
IC-4738 AN/USQ-82(V) Data Multiplex System Technician		A-670-0053		
IC-4741 Basic Intergrated Voice Communication Network Maintenance Technician		A-623-0017		
IC-4743 Integrated Launch and Recovery Television Surveillance (ILARTS) System Maintenance Technician		A-191-0011		
IC-4746 Closed Circuit TV Technician		A-191-0010		
ET-4752 Electriyltic Ozygen Generator (MOD 6L16) Maintenance Technician		A-623-0039		
IC-4755 LSD 41 Console Maintenance		A-623-0112		
IC-4777 Integrated Navigation and Tactical Plotting System (INTPS) Maintenance		A-623-2751		
IC-4779 Vertical Short Take-off and Landing Optical Lens System (VSTOL OLS)		A-670-0074		

JOB DESCRIPTION

- Perform and coordinate organizational and intermediate maintenance on alarm warning and indicating systems, interior communications, ship;s speed and steering control systems, power generation and distribution, data conversion and distribution systems, aviation monitoring ans landing aids, information training and entertainment systems, gyroscopic navigation and environmental systems.
- Interpret and analyze ships blue prints and system interface diagrams;
- Make detailed electrical, electronic, fiber optic, hydraulic, mechanical, synchro and servo systems casualty analyses;
- Inspect, test analyze, and direct repair of electric, electronic, fiber optic, hydraulic, mechanical, synchro and servo systems;

RECOMMENDED BILLET ASSIGNMENTS

Work as an interior communication electronic technician conducting maintenance, troubleshooting and repair of interior communication equipment for afloat commands

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 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 with OPNAVINST 1040.11(series) & Career Counselor Handbook
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 progress check (Date Conducted): _____ 12 Months _____ 24 Months _____

36 Months _____ 48 Months _____ 60 Months _____ Special Program/Member Request _____

PNA 3 times (Date Conducted): _____ Standard Score 40 or less/failed (Date Conducted): _____

Advancement Center: Visit NKO Navy Advancement page located under the Career Management Tab

Bibliography for Advancement _____ Correspondence Courses _____ Catalog of Courses _____

Enlisted Advancement Exam Strategy Guide _____ Profile Sheets _____ Exam Discrepancy List _____

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

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

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

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

Physical Fitness Test Failure (Conducted): _____

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

PTS 15 months prior to EAOS (Conducted): _____ PTS 6 months if not approved (Conducted) _____

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

Transfer _____ Early Separation: _____ Career Status Bonus/Retirement Options: _____

Career Management Calendar: <https://wwwa.nko.navy.mil/portal/careermanagement/home/careermanagementcalendar>

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		
General Damage Control		
Advanced Damage Control		
3M 301		
3M 302		
3M 303		
3M 304		
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)
Aviation Warfare Specialist		
Expeditionary Warfare		
Fleet Marine Forces		
Information Dominance Warfare Specialist		
SEABEE Combat Warfare		
Special Warfare Combatant-Craft Crewman		
Surface 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 Interior Communication Technician Rating. For more information about these occupations, visit NAVY COOL at <https://www.cool.navy.mil>.

Occupation (Civilian Employer)
Audio and Video Equipment Technicians
Compliance Officers
Electrical and Electronics Repairers, Commercial and Industrial Equipment
Electrical Engineers
Electricians
Electronic Home Entertainment Equipment Installers and Repairers
First-Line Supervisors of Construction Trades and Extraction Workers
First-Line Supervisors of Mechanics, Installers, and Repairers
First-Line Supervisors of Office and Administrative Support Workers
General and Operations Managers
Mathematical Technicians
Radio, Cellular, and Tower Equipment Installers and Repairers
Security and Fire Alarm Systems Installers
Telecommunications Equipment Installers and Repairers, Except Line Installers
Telephone Operators
Training and Development Specialists

Occupation (Federal Employer)
0382 - Telephone Operating Series
0390 - Telecommunications Processing Series
0391 - Telecommunications Series
0392 - General Telecommunications Series
0394 - Communications Clerical Series
1084 - Visual Information Series
1361 - Navigational Information Series
2502 - Telecommunications Mechanic
2504 - Wire Communications Cable Splicing
2602 - Electronic Measurement Equipment Mechanic
2604 - Electronics Mechanic
2606 - Electronic Industrial Controls Mechanic
2608 - Electronic Digital Computer Mechanic
2610 - Electronic Integrated Systems Mechanic
3725 - Battery Repairing
9944 - Electronics Technician

Navy COOL: The following certifications and licenses are applicable to the IC rating. They may require additional education, training or experience.

Target paygrade	Certifying Agency Web Site	Credential Title	Years Experience Required	Comp. date
E3	Electronics Technicians Association, International (ETA-I)	Fiber Optics Technician (FOT)	0	
E3	Electronics Technicians Association, International (ETA-I)	Audio-Video Distribution (AVD)	0.5	
E3	Electronics Technicians Association, International (ETA-I)	Fiber Optics Installer (FOI)	0.5	
E5	Electronics Technicians Association, International (ETA-I)	Associate Electronics Technician (CETa)	<2	
E4	Electronics Technicians Association, International (ETA-I)	Certified Alarm-Security Technician (CAST)	2	
E4	Electronics Technicians Association,	Telecommunications Electronics	2	

	International (ETA-I)	Technician - Journeyman (TCM)		
E4	Electronics Technicians Association, International (ETA-I)	Wireless Communications Electronics Technician - Journeyman (WCM)	2	
E6	Electronics Technicians Association, International (ETA-I)	Senior Certified Electronics Technician (CETsr)	6	

Visit Navy COOL <https://www.cool.navy.mil> for additional Credentials that you may qualify to earn; however funding may be limited to your GI bill or DANTES.

USMAP (UNITED SERVICES MILITARY APPRENTICESHIP PROGRAM):

	Comp. date
Electrician	
Electrician (Construction)	
Electronics Mechanic	
Electronics Mechanic (Any Industry)	
Optical-Instrument Assembler (Optical Goods)	
Maintenance Mechanic, Telephone (Any Industry)	
Television And Radio Repairer (Any Industry)	
Electronics Tester	
Electrical Equipment Repairperson (Magneto Repairer)	
Electrician, Maintenance (Any Industry)	
Station Installer & Repairer (Tel & Tel)	
Audio-Video Repairer (0880M)	
Audio-Video Repairer (Any Industry)	
Calibration Laboratory Technician (Aircraft Manufacturing; Electron Comp)	

Visit USMAP <https://usmap.cnet.navy.mil/usmapss/static/usmap.jsp> for additional information

STAY NAVY

REENLIST / EXTEND: Request Chit/Form: _____ Perform to Serve (PTS) Approval Message: _____

Selective Conversion and Reenlistment (SCORE): _____ Reserve Selective Conversion and Reenlistment (RESCORE): _____

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

School as a Reenlistment Incentive: _____ Career Management System/Interactive Detailing (CMS/ID): _____

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

PERFORM-TO-SERVE (PTS) FLEET RIDE:

The Command Career Counselor is your local advocate to assist you with the Perform to Serve (PTS) application process.

- All E3-E6 Sailors with less than 14 years of service must submit a PTS application, regardless of reenlistment intentions.
- Applications must be submitted no later than 12 months prior to expiration of active obligated service (EAOS) or projected rotation date (PRD) if obligated service is required, whichever occurs first.
- Sailors may submit PTS applications up to 12 months prior to EAOS/PRD. (under special circumstances)
- Applications for selected reserve (SELRES) quotas may be submitted between 12 months and 3 months prior to EAOS
- 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 or Convert to another rating
 - Convert to another rating (only)
 - SELRES option
- Upon completion of the monthly process, PTS results will be available to command users via PTS Monthly report section of the PTS/Fleet RIDE program.
- Additional guidance can be found in MILPERSMAN 1440-060 and NAVADMIN 352/10, see your Career Counselor

TRANSFER:

<u>15 Months</u>	<u>12 Months</u>	<u>9 Months</u>	<u>6 Months</u>	<u>Orders Received</u>
PTS _____	PTS _____	PTS _____	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: <http://www.npc.navy.mil/CareerInfo/PerformtoServe>

SEPARATING/RETIRE

<u>18 -12 months</u>	<u>6 months</u>	<u>90 days</u>	<u>30 days</u>
Attend TAP/RTAP _____	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 _____		

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 _____ Doctorate _____

(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 _____

SOCNAV Agreement _____ SMART Transcripts _____ HS Transcripts _____ College Transcripts _____

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

For entry into SMART, Send official transcripts to:
 Center for Personal and Professional Development
 Attn: Virtual Education Center
 1905 Regulus Avenue, Ste. 234
 Virginia Beach VA 23461-2009
 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 _____

E3 REQUIRED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Required General Military Training (GMT)	Command Delivered			
Petty Officer Selectee Leadership Course	Command Delivered	CPPD	20 Hours	
Driving for Life	NKO	CPD-DFL-01	5 Hours	
DON/DOD Information Assurance Training	NKO	DOD-IAA-V8.0	1 Hour	
Trafficking in Persons Basic Awareness Training	NKO	jkddc-tip-1 US	4 Hours	
ATFP Level I Awareness for Service Members (CONUS)	NKO	CANSF-ATFP-CONUS-1.0	1 Hour	
ATFP Level I Awareness Training for Overseas Service Member (OCONUS)	NKO	CANSF-ATFP-OCONUS-1	1 Hour	
Alcohol Aware	Command Delivered	S-501-0160	4 Hours	
PREVENT	Command Delivered	S-501-0150	24 Hours	

E3 REQUIRED COMMUNITY PME:

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

E3 RECOMMENDED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Introductory Enlisted Professional Military Education (IEPME)	NKO	Military DON/ PME	20 Hours Total	
Block 1 Introductory EPME - Introduction	NKO	IEPME-INTRO-B1		
Block 2 Introductory EPME - History and Traditions	NKO	IEPME-INTRO-B2		
Block 3 Introductory EPME - Enlisted Professionalism	NKO	IEPME-INTRO-B3		
Block 4 Introductory EPME - Policy and the Navy	NKO	IEPME-INTRO-B4		
Block 5 Introductory EPME - Planning for Operations	NKO	IEPME-INTRO-B5		
Block 6 Introductory EPME - Regional and Cultural Awareness	NKO	IEPME-INTRO-B6		
Block 7 Introductory EPME - Technology in the Maritime Domain	NKO	IEPME-INTRO-B7		
Block 8 Introductory EPME - Conclusion	NKO	IEPME-INTRO-B8		
Cultural Awareness	NKO or College Course	Foreign Language and Culture	45 hrs	
Eng 101	College Course		45 hrs	
Eng Reading	College Course		45 hrs	
Eng Writing	College Course		45 hrs	
Math	College Course		45 hrs	
Speech	College Course		45 hrs	
Navy Reserve Fundamentals for Active Duty Course	NKO	NAVRESFOR-NRF-2.0	10 hours	
ORM All Navy Fundamentals	NKO	CPD-GMT07-011	1 hour	
Nutrition	NKO	NMHCI2107V2.1	1 hour	
Personal Financial Management	NKO	CPD-PFM-1.0	8 hours	
College/Certification Testing Programs Reviews	NKO			

Courses With Recommended Reserve Points:

Click this link for an Excel file of all Navy E-Learning courses offering "RECOMMENDED" reserve points. **NOTE:**

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 CNRF 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 CNRF N7.

<https://file-lms-cont01.nko.navy.mil/training/Courses With Recommended Reserve Points.xls>

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-MS101 /DoN 1.1	24 hours	
Non-Prior Service Accession Program	NKO	CNRFC-NPSAP-2 /DoN 0	23 hours	

RECOMMENDED COMMUNITY PME:

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

NAVY PROFESSIONAL READING PROGRAM:

The purpose of the Navy Reading Program is to facilitate the professional and personal development of all sailors, seaman to admiral, active and reserve. Simply reading for pleasure is certainly encouraged, but the NPRP will facilitate reading material that may help develop skills and abilities that can be helpful in both your professional and personal lives.

<http://www.navyreading.navy.mil/>

JUNIOR ENLISTED COLLECTION

Title	Completed
Lincoln on Leadership: Executive Strategies for Tough Times <i>by Donald T. Phillips</i>	
Starship Troopers <i>by Robert A. Heinlein</i>	
A Sailor's History of the U.S. Navy <i>by Thomas J. Cutler</i>	
Life in Mr. Lincoln's Navy <i>by Dennis J. Ringle</i>	
Flags of Our Fathers <i>James Bradley</i>	
D Day: June 6, 1944: The Climactic Battle of World War II <i>by Stephen E. Ambrose</i>	
Lone Survivor; The Eyewitness Account of Operation Redwing and the Lost Heroes of Seal Team 10 (new) <i>by Marcus Luttrell</i>	
The Kite Runner <i>by Khaled Hosseini</i>	
The Declaration of Independence and Other Great Documents of American History 1775-1865 <i>by John Grafton</i>	
Ender's Game <i>by Orson Scott Card</i>	
The 7 Habits of Highly Effective People <i>by Stephen R. Covey</i>	
Time Management from the Inside Out, second edition: The Foolproof System for Taking Control of Your Schedule--and Your Life <i>by Julie Morgenstern</i>	

Note: Required to recite Sailor's Creed

RECOMMENDED COMMUNITY READING

Title	Completed
JOINT FLEET MAINTENANCE MANUAL (JFMM)	
NAVAL SHIPS' TECHNICAL MANUAL (NSTM): CHAPTER 300	
SPACE COMBAT SYSTEMS OPERATIONAL SEQUENCING SYSTEM (CSOSS) MANUALS	
NAVAL ELECTRONICS ENGINEERING TRAINING SERIES (NEETS) MODULES	
ENGINEER OPERATIONAL SEQUENCING SYSTEMS (EOSS) MANUALS	
NAVAIR 51-40ABA -21, IMPROVED FRESNEL LENS OPTICAL LANDING SYSTEM, MK13 MOD 0	
NAVAIR 51-5B-2, STABILIZED GLIDE SLOPE INDICATOR (SGSI) MK1 MOD 0	
NAVEDTRA 14120(A), INTERIOR COMMUNICATIONS ELECTRICIAN, VOLUME 01	
NAVEDTRA 14121(A), INTERIOR COMMUNICATIONS ELECTRICIAN, VOLUME 02	
NAVEDTRA 14173, NEETS, MODULE 01--INTRODUCTION TO MATTER, ENERGY, AND DIRECT CURRENT	
NAVEDTRA 14174, NEETS, MODULE 02--INTRODUCTION TO ALTERNATING CURRENT AND TRANSFORMERS	
NAVEDTRA 14175, NEETS, MODULE 03--INTRODUCTION TO CIRCUIT PROTECTION, CONTROL, AND MEASUREMENT	
NAVEDTRA 14176, NEETS, MODULE 04--INTRODUCTION TO ELECTRICAL CONDUCTORS, WIRING TECHNIQUES AND SCHEMATIC READING	
NAVEDTRA 14177, NEETS, MODULE 05--INTRODUCTION TO GENERATORS AND MOTORS	
NAVEDTRA 14178, NEETS, MODULE 06--INTRODUCTION TO ELECTRONIC	

EMISSION, TUBES, AND POWER SUPPLIES	
NAVEDTRA 14179, NEETS, MODULE 07--INTRODUCTION TO SOLID-STATE DEVICES AND POWER SUPPLIES	
NAVEDTRA 14180, NEETS, MODULE 08--INTRODUCTION TO AMPLIFIERS	
NAVEDTRA 14185, NEETS, MODULE 13--INTRODUCTION TO NUMBER SYSTEMS AND LOGIC CIRCUITS	
NAVEDTRA 14187, NEETS, MODULE 15--PRINCIPLES OF SYNCHROS, SERVOS, AND GYROS	
NAVEDTRA 14188, NEETS, MODULE 16--INTRODUCTION TO TEST EQUIPMENT	
NAVEDTRA 14191, NEETS, MODULE 19--THE TECHNICIAN'S HANDBOOK	
NAVEDTRA 14192, NEETS, MODULE 20--MASTER GLOSSARY	
NAVSEA 0965-LP-108-9010, WIND INDICATING EQUIPMENT TYPE F	
NAVSEA S9086-KR-STM-010/CH-313, NSTM CH-313, PORTABLE STORAGE AND DRY BATTERIES	
NAVSEA S9086-PA-STM-010/CH 430, NSTM CH-430, INTERIOR COMMUNICATION INSTALLATIONS	
NAVSEA SE178-AL-MMM-010, EM LOG MK 6 MOD 0-2, VOL 1	
NAVSEAINST 4790.8, SHIPS` MAINTENANCE AND MATERIAL MANAGEMENT (3-M) MANUAL	
OPNAVINST 3120.32, STANDARD ORGANIZATION AND REGULATIONS OF THE U.S. NAVY (SORM)	

REFERENCES

Navy Enlisted Learning and Development Programs:

- Learning and Development Roadmap for Enlisted Sailors, OPNAVINST 1500.77(series)
- Navy Retention and Career Development Program, OPNAVINST 1040.11(series)
- Career Counselor Handbook, NAVPERS 15878
- Command Sponsor and Indoctrination Program 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 MILPERSMAN 1300-150 to 1300-210
- Guaranteed Assignment Retention Detailing Program GUARD 2000, MILPERSMAN 1306-1002/1004
- Navy Enlisted Warfare Qualification Program OPNAVINST 1414.9 (series)
- Master Training Specialists (MTS) NETCINST 1500.2(series)
- Command Master Chief Program OPNAVINST 1306.2 (series)

Reenlistments and Extensions:

- Agreement of Enlisted Naval Reservist, Inductees and Fleet Reservists to remain on Active Duty MILPERSMAN 1160-060
- Career Reenlistment Objectives (use latest CREO NAVADMIN)
- Extension of Enlistment 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
- Reenlistment Leave MILPERSMAN 1050-040
- Required Counseling upon Enlistment and Reenlistment MILPERSMAN 1160-031
- Selective Conversion and Reenlistment (SCORE) Program MILPERSMAN 1160-090
- Selective Reenlistment Bonus (Use Latest SRB NAVADMIN)
- Selective Training and Reenlistment (STAR) Program MILPERSMAN 1160-100
- School as a Reenlistment Incentive MILPERSMAN 1306-1006

Fleet Reserve and Retirements:

- Casualties and Survivor Benefits (SBP) MILPERSMAN 1770 to 1770-250
- Disability Retirement MILPERSMAN 1850-020 to 1850-040
- Fleet Reserve and Retirement MILPERSMAN 1800-010 to 1800-070
- Household Goods and Personal Property (PCS and Retirees) MILPERSMAN 4050-010 to 020
- Permissive Temporary Duty (PTDY) MILPERSMAN 1320-220
- Transition Assistance Management Program 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:

- Alcohol Rehabilitation Failure MILPERSMAN 1910-152
- Drug Abuse MILPERSMAN 1910-146
- Early release to further education MILPERSMAN 1910-108
- Enlisted Administrative Separation Policy MILPERSMAN 1910-010 to 1910-812
- Fraudulent Enlistment MILPERSMAN 1910-134
- High Year Tenure (HYT) AC MILPERSMAN 1160-120 / RC 1160-130
- Misconduct (various reasons) MILPERSMAN 1910-138/140/142
- Parenthood and Pregnancy SECNAVINST 1000.10(series) & MILPERSMAN 1910-124
- Personality Disorder MILPERSMAN 1910-122
- Physical Fitness Assessment Failure MILPERSMAN 1910-170
- Serious Offense MILPERSMAN 1910-142
- Unsatisfactory Performance MILPERSMAN 1910-156

Advancement & Service Schools:

- Advancement BUPERSINST 1430.16(series)
- Accelerated Advancement MILPERSMAN 1430-010
- Enlisted to Officer Commissioning Program Application & Administration Manual OPNAVINST 1420.1(series)
- Service Schools 1306-600/602/604/608
- Class “A” School & Rating Entry Requirements MILPERSMAN 1306-618
- Retesting with the Armed Forces Classification Test 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
- Navy Voluntary Education Program (Navy Campus) OPNAVINST 1560.9(series)
- Tuition Assistance Management Controls NAVADMIN 161/07 / NETC LTR Execution Guidelines 1560 Ser N00178, Aug 07
- Navy Credentialing Program OPNAVINST 1540.56
- Uniformed Services Military Apprenticeship Programs OPNAVINST 1560.10(series)

Other Quick References:

- Change in Rank, Rate or Rating MILPERSMAN 1440-010 to 1440-050
- Drug and Alcohol Prevention Control Program 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 1001.21(series)
- Military Couple and Single Parent Assignment Policy MILPERSMAN 1300-1000
- Military Pay MILPERSMAN 7220-010 to 7220-390
- Overseas tour Extensions MILPERSMAN 1300-310
- Physical Readiness Program OPNAVINST 6110.1(series) / MILPERSMAN 6100-6199
- Reassignment for Humanitarian reasons (HUMS) MILPERSMAN 1300-500
- Standard Policy and Procedures for the Active Duty for Special Work (ADSW) & 1 year Recall Program OPNAVINST 1001.20(series)
- Operational Risk Management OPNAVINST 3500. 39(series)