



Air Traffic Control

RATING ROADMAP

October 2011

CAREER ROADMAP

Airman Recruit to Master Chief Roadmaps

The educational roadmap below will assist Sailors in the Air Traffic Control 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 Air Traffic Control?

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

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 Air Traffic Control 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, Air Traffic Control School at NATTC Pensacola, Florida, 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.

Air Traffic Control Career Path

Air Traffic Controllers (AC) conduct air traffic control duties in control towers, radar facilities, and air operations facilities ashore and afloat. Air Traffic Control is responsible for the safe, orderly, and expeditious flow of aircraft. Deployable on carriers, amphibious assault ships, and tactical squadrons (TACRON).

YEARS OF SERVICE	CAREER MILESTONES	AVERAGE TIME TO PROMOTE (Years/Mos)	TRAINING	SEA/SHORE FLOW (Months)	TYPICAL CAREER PATH AND PROFESSIONAL QUALIFICATION MILESTONES
26-30	ACCM	21.5		60	5 th Shore Tour (INUS) STAFF DUTY / NAS / FACSFAC / NATTC / 6904 / 9502
24-26	ACCM ACCS	21.5 20.0		60	4 th Shore Tour (INUS / OUTUS) STAFF DUTY / NAS / FACSFAC / NATTC / 6904 / 9502
20-24	ACCM ACCS ACC	21.5 20.0 15.3	ATC Facilities Managers Course Journeyman Instructor Training OJT LQS	60	3 rd Shore Tour (INUS / OUTUS) STAFF DUTY / NAS / FACSFAC / NATTC 6901 / 6902 / 6903 / 6904 / 9502 FWS / Branch Chief / Master Training Specialist
16-20	ACCS ACC AC1	20.0 15.3 8.5	ATC Facilities Managers Course CATCC Team Trainer AATCC Team Trainer PQS OJT	24	3 rd Sea Tour (INUS / OUTUS) CVN / LHA / LHD / TACRON 6902 / 6903 / 6904 CATCC SUP / HDC SUP / TACCWO
12-16	ACCS ACC AC1	20.0 15.3 8.5	ATC Facilities Managers ARATC Course Journeyman Instructor Training OJT LQS	36 - 60	2 nd Shore Tour (INUS / OUTUS) NAS / FACSFAC / NATTC 6901 / 6904 / 9502 FWS / Branch Chief / Master Training Specialist
8-12	ACC AC1 AC2	15.3 8.5 3.7	ATC Facilities Managers CATCC OPS Course AATCC OPS Course CATCC Team Trainer AATCC Team Trainer PQS, OJT	36	2 nd Sea Tour (INUS / OUTUS) CVN / LHA / LHD / TACRON 6902 / 6903 / 6904 CATCC, HDC or TACC SUP
5-10	AC1 AC2	8.5 3.7	ARATC Course AC Non Resident Training course LQS, OJT	60	1 st Shore Tour (INUS / OUTUS) NAS / FACSFAC 6901 FWS / RDR SUP / TWR SUP / FLT PLAN SUP
1-5	AC2 AC3 ACAN	3.7 2.5 .6	CATCC OPS Course AATCC OPS Course CATCC Team Trainer AATCC Team Trainer AC Non Resident Training course PQS OJT	36	1 st Sea Tour (INUS / OUTUS) CVN / LHA / LHD / TACRON Final Control, Integrated Shipboard Information System (ISIS)/Status Board, Plotter, Sound-Powered Phone Talker/Visual Display Board Operator, Land/Launch Recorder, Air Operations Supervisor, Case I Operating Positions/Supervisor Request (TAR/HR) Net Operator
0-1	ACAN ACAA	.6	ACA1 Course	6	Recruit Training Command and NATTC
YEARS OF SERVICE	CAREER MILESTONES	AVERAGE TIME TO PROMOTE	TRAINING	SEA/SHORE FLOW	TYPICAL CAREER PATH DEVELOPMENT



Air Traffic Control Master Chief Petty Officer

NAME _____

SKILL TRAINING

(Schools, courses and assignments directly related to occupation)

REQUIRED SKILL TRAINING

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
Air Traffic Control ACA1	Pensacola, Fl	C-222-2010	15 wks	

RECOMMENDED SKILL TRAINING

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
Carrier Air Traffic Control Center Operations (NEC 6902)	Pensacola, Fl	C-222-2012	5 wks	
Amphibious Air Traffic Control Center Operations (NEC 6903)	Pensacola, Fl	C-222-2019	5 wks	
Advanced Radar Air Traffic Control (NEC 6901)	Pensacola, Fl	C-222-2022	5 wks	
Air Traffic Control Manager (NEC 6904)	Pensacola, Fl	C-222-2023	3 wks	
Journeyman Instructor Training (JIT) (NEC 9502)	Pensacola, Fl	A-012-0077	2 wks	

NAVY ENLISTED CLASSIFICATION CODE (NEC) OPPORTUNITIES

Course Title	Course Location	CIN/CSE/ACE ID	Course Length	Date Completed
Carrier Air Traffic Control Center Operations (NEC 6902)	Pensacola, Fl	C-222-2012	5 wks	
Amphibious Air Traffic Control Center Operations (NEC 6903)	Pensacola, Fl	C-222-2019	5 wks	
Advanced Radar Air Traffic Control (NEC 6901)	Pensacola, Fl	C-222-2022	5 wks	
Air Traffic Control Manager (NEC 6904)	Pensacola, Fl	C-222-2023	3 wks	
Journeyman Instructor Training (JIT) (NEC 9502)	Pensacola, Fl	A-012-0077	2 wks	

JOB DESCRIPTION

Air Traffic Controllers (AC) provide air traffic control services in air traffic control towers, radar air traffic control facilities, fleet area control and surveillance facilities, and air operations offices ashore and afloat; operate radio communication systems and light signals; direct aircraft under Visual Flight Rules (VFR) and Instrument Flight Rules (IFR); operate surveillance radar, precision radar, data link approach systems, Identification Friend or Foe (IFF) equipment and other air traffic control equipment; respond to emergency air traffic situations; maintain current flight planning information and reference material; assist pilots in preparation and processing flight plans.

RECOMMENDED BILLET ASSIGNMENTS

Master Chief Petty Officers serve in billets at staff assignments, Shore Installations, Fleet Area Control and Surveillance Facilities (FACSFAC), Tactical Air Control Squadron (TACRON) and Naval Air Technical Training Center (NATTC) throughout the fleet.

Other opportunities:

- Sea or Shore Training Readiness
- Fleet Liaison
- Detailer
- Command Master Chief
- RDC
- Instructor/Facilitator
- 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: _____

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

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 _____

Correspondence Courses _____ Catalog of Courses _____

Commissioning Programs Applications (Conducted): _____ (prior to submission, command endorsement)
Enlisted to Officer Commissioning Program Application & Administration Manual OPNAVINST 1420.1(series):

Medical Enlisted Commissioning Program (MECP) _____ Limited Duty Officer _____ Chief Warrant Officer _____

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

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

Transfer _____ Early Separation: _____ Fleet Reserve 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 303		
3M 304		
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)
Aviation Warfare Specialist (Primary)		
Surface Warfare Specialist (Secondary when avail)		

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

CERTIFICATIONS

The following civilian occupations are similar to the Air Traffic Control Rating. For more information about these occupations, visit NAVY COOL at <https://www.cool.navy.mil>.

Occupation
Air Traffic Controller

Navy COOL: The following certifications are applicable to the AC rating. These certifications may require additional education, training or experience.

Target paygrade	Certifying Agency Web Site	Certification Title	Years Experience Required	Comp. date
E3	Federal Aviation Administration (FAA)	Air Traffic Control Tower Operator	0.5	
E4	Federal Aviation Administration (FAA)	Aircraft Dispatcher	2.0	

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
N/A	

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:

<u>15 Months</u>	<u>12 Months</u>	<u>9 Months</u>	<u>6 Months</u>	<u>Orders Received</u>
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: <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 _____	Official Record 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)

NCPACE _____ CLEP _____ DSST _____ TA _____ MGIB _____ Post 9/11 GIB _____

MCPO REQUIRED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Required General Military Training (GMT)	Command Delivered			
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	
Fleet Business: The Navy Business and Fiscal Practices Course	NKO	CNL-FB-1.0	2 Hours	
Joint Professional Military Education (JPME)	War College	Military DON/ PME	40 Hours	
Senior Enlisted Academy (resident) or (blended)	Newport RI		6 or 2 weeks	
Chief’s Mess Training (CMT/LCC)	Command Delivered		Each Month	
ADAMS for Supervisors	Various Locations	S-501-0120	8 Hours	

MCPO REQUIRED COMMUNITY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
NAVAIR 00-80T-114, NATOPS, Air Traffic Control Facilities Manual				

MCPO RECOMMENDED NAVY PME:

Course Title	Course Location	CIN/CSE ID	Course Length	Date Completed
Primary Enlisted Professional Military Education (PEPME)	NKO	Military DON/ PME	20 Hours	
Primary Professional Military Education (Enlisted) Block 1 - Introduction	NKO	PPME-SENL-B1.v2		
Primary Professional Military Education (Enlisted) Block 2 - The Culture of the Navy	NKO	PPME-SENL-B2.v2		
Primary Professional Military Education (Enlisted) Block 3 - Governance of the Navy	NKO	PPME-SENL-B3.v2		
Primary Professional Military Education (Enlisted) Block 4 - How the Navy Thinks About War	NKO	PPME-SENL-B4.v2		
Primary Professional Military Education (Enlisted) Block 5 - How the Navy Plans its Operations	NKO	PPME-SENL-B5.v2		
Primary Professional Military Education (Enlisted) Block 6 - Technology in the Maritime Domain	NKO	PPME-SENL-B6.v2		
Primary Professional Military Education (Enlisted) Block 7 - PME Conclusion	NKO	PPME-SENL-B7.v2		
Joint Professional Military Education (JPME)	War College	Military DON/ PME	40 Hours	
Senior Enlisted Academy (resident) or (blended)	Newport RI		6 or 2 weeks	
Senior Enlisted Leadership Development Guide Culture	NKO			
	NKO or College Course	Foreign Language and Culture	45 hrs	

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
Fundamentals of Systems Acquisition Management	www.DAU.mil ACQ 101			
Acquisition Logistics Fundamentals	www.DAU.mil LOG 101			
The Six Sigma change agent	NKO	OPER0175		
Talent Management: Developing Talent	NKO	41413		
Managing Performance	NKO	CNL-HARV-SUTM3		
Managing Performance – Overcoming performance appraisal challenges	NKO	41056		
Major time management challenges	NKO	PD0103		
Managerial leadership: Leading through Change	NKO	46115		
Managing change: The change process	NKO	41231		
Ethical decision making	NKO	PD0171		
Avoiding Grammatical Errors in Business Writing	NKO	COMM0013		
Business Etiquette: Communicating in Today’s Workplace	NKO	45242		
Business Problem Solving: Problem-Solving Teams	NKO	46024		
Business writing: The fundamentals	NKO	45107		
Creativity and innovation: Fostering a Creative environment	NKO	43032		
Creativity and Innovation: Crisis in Organizations: Anticipating and Planning for Crisis Situations	NKO	41261		
Decision Making and Problem Solving: Problem Solving Fundamentals	NKO	46006		
Decision Making and Problem Solving: Decision Making Fundamentals	NKO	46001		
Ethical decision making	NKO	PD0171		
Executive Level Leadership: Change and the Executive Leader	NKO	46202		
Grammar Skills-Punctuation, Mechanics and Spelling	NKO	45106		
Grammar Skills- Writing Effectively	NKO	45105		
Goal Setting: Goal Setting Tools for Managers	NKO	46032		
Influencing and Motivating Others	NKO	SCO12_CF1BD9F9		
Problem Solving and decision making in Groups	NKO	PD0236		
Professional Assertiveness	NKO	COMM0171		
Major Time Management Challenges	NKO	PD0103		
Managing Across Difference	NKO	SCO12_af4dd9b1		
Managing Performance	NKO	CNL-HARV-SUTM3		
Managerial Leadership: Creating a Vision	NKO	46111		
Managerial Leadership: Mentoring: Developing Your Mentoring Skills		41092		
Motivation: Empowering to Increase Motivation		46123		
Organizational Behavior: Organizational Dynamics for Individuals		41101		
Organizational Behavior: Organizational Group Dynamics		41102		
Organizational Behavior: The Organizational System		41103		
Strategic Decision Making: Making the Right Decision		46012		
Team Conflict: Resolving Team Conflict		42211		

Team Participation: Resolving Conflict in Teams		42106		
The Art of Global Communication		COMM0022		
Workplace Aggression: Defusing Aggressive Situations		47102		

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/>

SENIOR LEADERS COLLECTION

Title	Completed
The Art of the Long View: Planning for the Future in an Uncertain World, <i>by Peter Schwartz</i>	
Dying to Win: The Strategic Logic of Suicide Terrorism, <i>by Robert Pape</i>	
Goodbye, Darkness: A Memoir of the Pacific War, <i>by William Manchester</i>	
The Great Wall at Sea: China's Navy Enters the Twenty-first Century, <i>by Bernard D. Cole</i>	
Leadership, <i>by Rudolph W. Giuliani</i>	
Moneyball: The Art of Winning an Unfair Game, <i>by Michael Lewis</i>	
The Pursuit of Victory: The Life and Achievement of Horatio Nelson, <i>by Roger Knight, 29.</i>	
Rethinking the Principles of War, edited <i>by Anthony D. McIvor</i>	
The Rise and Fall of Strategic Planning, <i>by Henry Mintzberg</i>	
Scenarios: The Art of Strategic Conversation, <i>by Kees van der Heijden</i>	
The Second World War, Volume 1: The Gathering Storm, <i>by Winston S. Churchill</i>	
1776, <i>by David McCullough</i>	
The Rickover Effect – How One Man Made a Difference, Rockwell	
The Peoples Navy, Hagan	
Reminiscences of a Sailor, Lejeune	

RECOMMENDED COMMUNITY READING

Title	Completed
The Adventurer, by Capt. Jimmy (JR) Calhoun (ret)	
Air Cops: A Personal History of Air Traffic Control, by Billy D. Robbins	
Air Traffic Control: An Invitation to a Career, by Laurence E. Gesell, Lyonshare Studios	
Air Traffic Control: Human Performance Factors, by Bert Ruitenber	
Air Traffic Control: Past, Present and Future, by Sundara Mahalingam	
Air Traffic Control: The Uncrowded Sky, by Glen Alexander Gilbert	
Air Traffic Control Facility Operations and Training, by Dept of Defense	
Air Traffic Control Modernization: Congressional Hearing, by Slade Gorton	
Air Traffic Control Status of FAA's modernization Program, by DIANE Publishing Company	
Air Traffic Controller 3 rd Edition, by James E. Turner	
Air Traffic System: A Commonsense Guide, by Milovan S. Brenlove	
Airport Operations, by Martin Stanton	
Against the Wind, Paul McElroy	
Approach to Privatization in the 21 st Century, by Jeffrey A. Roy	
Ask the Pilot, by Patrick Smith	
ATC and Weather; Mastering the Systems, by Richard L. Collins	
Aviation Infrastructure Performance: A Study in Comparative Political Economy, by Clifford Winston	
Code Black, by Philip S Donlay	
Crossing Runways, by Terry Paddock	
Day with Air Traffic Controllers, by Joanne Winne	
Aircraft Crashes, by Steven Cushing	
Five Miles and a Thousand Feet, Vol 2, by Bob Tatosian	
Flight to the Future: Human Factors in Air Traffic Control, by Christopher D. Wickens, Anne S. Mavor	
Fundamentals of Air Traffic Control, by Michael S. Nolan	
Highways in the Sky: The Story of Air Traffic Control, by Lou Jacobs	
Human Factors Impacts in Air Traffic Management, by Barry Kirwan, Mark D. Rodgers	
Human Factors in Air Traffic Control, by Mark W. Smolensky	
Improving Determination of Facility-Level Staffing Requirements for Air Traffic Controllers, by Trb	
Mastering the Systems: Air Traffic Control and Weather, by Richard L. Collins, David N. Collins	
Modeling and Simulation in Air Traffic Management, by Lucio Bianco	
On Course! Navigation in Sea, Air and Space, by Carl Hirsch	
Pressure Cooker, The Story of Men and Women who Control Air Traffic, by Don Biggs	
Say Again, Please: Guide to Radio Communications, by Bob Gardner	
Slam and Jam, by William Lanqewiesche	
Silent Skies: The Air Traffic Controllers' Strike, by Willis J. Nordlund	
Tales from the Tower: Friendship Memories Early Control Tower Days, by James R. Parkinson	
The Future of Air Traffic Control: Human Operators and Automation, by Research Council, Raja Parasuraman	
The Global Navigation Satellite System. Navigating into the New Millennium, by Alessandra A. L. de Andrade	
Tracon, by Paul McElroy	
Vectors to Spare: The Life of an Air Traffic Controller, by Milovan S. Brenlove	
Why Airplanes Crash: Aviation Safety in a Changing World, by Clinton V. Oster	

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:

- Awards Manual (SECNAV 1650.1(Series))
- Change in Rank, Rate or Rating MILPERSMAN 1440-010 to 1440-050
- Department of the Navy Correspondence Manual (SECNAV M-5216.5 (Series))
- 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
- Naval Performance Evaluation System BUPERSINST 1610.10 (Series)
- 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 3500.39C