



FC CAREER PATH SELECTED RESERVE (SELRES)



Fire Controlmen (FC) are technicians responsible for the operation, maintenance, testing, troubleshooting and repair of: RADARs, computers, networks, data display systems and integrated weapon system components. Fire Controlmen are knowledgeable in basic electricity/electronics, digital fundamentals, synchros, servos, RADAR principals, the fire control problem, gun ballistics, missile systems and computer fundamentals. FCs serve on most classes of surface ships and are trained in maintenance and operation of variety of weapon systems.

YEARS OF SERVICE	CAREER MILESTONES	AVERAGE TIME TO PROMOTE	COMMISSIONING OR OTHER SPECIAL PROGRAMS	SEA SHORE FLOW	TYPICAL CAREER PATH DEVELOPMENT
28-30	FCCM	20.1 Yrs	CSEL	N/A	<u>Billet:</u> OIC, CSEL, Training Manager, AOIC, Regional SEL, National SEL, Program Manager <u>Duty:</u> CNSG, MSRON, LCS, NSW, MESG, NAVSEA, NAVWAR, TYCOM Staff, Echelon I, II, III or IV Staff Support Unit. <u>Qualification:</u> CDO, Regional CMC/ CSC, 3MC, BWC, TSC, ABWC
24-28	FCCM FCCS	20.1 Yrs 17.8	CSEL	N/A	<u>Billet:</u> 3-M System Coordinator, CSEL/CSSE, UMS/UUV Liaison, Fire Control Administrator, Lead Instructor <u>Duty:</u> CNSG, MSRON, LCS, NSW, MESG, NAVSEA, NAVWAR, TYCOM Staff, Echelon I, II, III or IV Staff Support Unit. <u>Qualification:</u> CDO, Regional CMC/ CSC, 3MC, BWC, TSC, ABWC
21-24	FCCM FCCS FCC	20.1 Yrs 17.8 13.5	CSEL, CWO	N/A	<u>Billet:</u> SEA/SEL, Det. LCPO, 3MC, Fire Control Administrator, Training Supervisor, Program Manager, Weapons Admin, Lead Instructor, Combat System Development / Test / Evaluation. <u>Duty:</u> CNSG, MSRON, LCS, NSW, NAVSEA, NAVWAR, TYCOM Staff, Echelon I, II, III or IV Staff Support Unit. <u>Qualification:</u> TSC, CDO, Warfare Coordinator, Program Recruiter, AT Training Supervisor, CDO, ABWC, EXP Comms WO, MOC Watch Officer, Qual/Cert (TL, QA/SO, Board Member).
17-21	FCCS FCC FC1	17.8 Yrs 13.5 8.5	CWO, CSEL	N/A	<u>Billet:</u> CSEL, Dept LCPO, CSSE, Regional Staff, Unit SEL, Shop Task Manager, COP Manager, Logistics Support Supervisor, Fire Control Administrator, Battle Watch Captain, ROC Supervisor. <u>Duty:</u> COMLCSRON, MSRON, MESG, Fleet Staff, Strike Group Staff, CNSG, NSA, Region Staff, LCS, NMC, TTGP, TTGL, EWTGP, EWTGL, NAVSEA, NAVWAR, SMWDC <u>Qualification:</u> MOC Watch Officer, Warfare Coordinator, LAC, TSC, ITT Member, CSTT Leader, CDO/SDO, Fleet TSM, ABWC, DBM, CSRO, Boarding Officer, MOC Watch Officer, COP Manager, Qual/Cert (TL, QA/SO, Board Member)



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14-17	FCCS FCC FC1	17.8 Yrs 13.5 8.3	CWO, CSEL	N/A	Billet: CSEL, Det. LCPO, LPO, Regional/Unit SEL, Shop Task Supervisor, COP Manager, Logistics Support Tech, ROC Watchstander, COP Operator, MDS Operator Explosive Fills Logistics Officer, Explosive Materials Verification Officer, Electronic Systems Operator Duty: COMLCSRON MSRON, CNSG, TTGP/L, EWTGP, EWTGL, NAVSEA, NAVWAR, RSC, CSG Qualification: ECO, ATS, MTS, ACDO, Course Facilitator, DBM, ABWC, CDO/SDO, Section Leader, Qual/Cert (TL, QA/SO, Board Member), MOC Watch Officer, COP Manager
9-14	FCC FC1 FC2	13.5 Yrs 8.5 3.9	STA-21, OCS, LDO	N/A	Billet: LPO, N-Code LCPO/LPO, LCPO, STC Mentor, Work Center Supervisor, Logistics Support Tech, ROC Watchstander, COP Operator, MDS Operator Explosive Fills Logistics Officer, Explosive Materials Verification Officer. Duty: Region Staff, Fleet Staff, SURGRU, LCSRON MSRON, CSG, NAVSEA, NAVWAR, MSC, TTGP/L, EWTGP/L, STSCS, MWDC, RSC Qualification: AECO, Training Team Member/Leader, LAC, ABWC, ABO, QASO Member, Warfare Coordinator, Duty Section Leader, MOC Watchstander
6-9	FC1 FC2	8.5 Yrs 3.9	STA-21, OCS, LDO	N/A	Billet: Work Center Supervisor, Maintenance Tech, Logistics Support Tech, N-Code ALPO. Duty: SURGRU, LCSRON, LCS SDG, NMC, LCS EVT/FTW, NAVWAR, Fleet Staff, Region Staff. MSRON, MESG, NELR, SMWDC, SCSTC NAVSEA, NAVWAR, ACU, RSC Qualification: CSOOW, Warfare Coordinator, MDS Operator, EAWS, Evaluator, EXW, MTS, Training Team Member MSRON Small Boat/Security Force, ACDO, LCS I/P POOW
1-6	FC2 FC3	3.9 Yrs 30 Months	STA-21, OCS, Naval Academy	N/A	1st Sea Tour Billet: Maintenance Technician. Duty: Ship. Qualification: CSMC, Area Supervisor, WCS, CSTT, ATTT Member SCAT/VBSS Team Member, ESWS, DWC
1+/-	FCSA/SN	9 Months			Recruit Training, "A" and "C" Schools.



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Notes:

1. "A" School and SECRET clearance is required for this rating.
2. This is not a compressed rating.
3. Typically, FCs complete their 6-year obligation on active duty and then transition to SELRES status. Consequently, they gain substantial experience in surface ship weapons fire control systems early in their career, forming a solid technical foundation. While performing IDT, SELRES FCs are not typically assigned to sea-going platforms.
4. The qualifications listed in the "Typical Career Path Development" are representative, not exhaustive. They illustrate the types of qualifications an FC should consider and be aware of.
5. FC's should show diversity in billets throughout their careers and include Active Duty for Training (ADT), Active Duty for Operational Support (ADOS), and mobilizations in support of weapons systems maintenance, electronics systems maintenance, weapon systems operation, crew served weapons, security force support, ordnance admin/operations, or anti-terrorism force protection to develop subject matter expertise in specific warfare areas.
6. Reserve functional assignment (RFAS) codes utilize FC expertise in non-traditional Fire Controlman billets. Regardless of billet, FCs actively engage in Air Warfare, Surface Warfare, Strike Warfare, NSFS, Ordnance Evolutions, Magazine Systems, Equipment Maintenance/Administration, Electronics Repair, or ATP Operations. Billets are not all the same! Be selective when applying for orders and understand certain commands/platforms promote advancement based on the equipment and nature of their duties. Not all locations will have FC related duties, this is where you must be selective and decide what is best for your career. SELRES FC's are given wide latitude when selecting billets.
7. Fire Controlman assigned to billets with Surface Warfare or Expeditionary Warfare Designation programs are expected to qualify provided the length of the tour is sufficient to complete the program. The time required for SELRES FCs to achieve these qualifications often consumes most of their duty station time, and those unable to complete a full tour may not achieve them.
8. Fire Controlman billets within a SELRES command may require significant time for personnel to gain proficiency and qualify. Homesteading, when individuals remain in the same command for an extended period, should not be viewed negatively as long as their experience and capabilities continue to develop.
9. Off-Duty Activities: Engage in career-enhancing off-duty activities (educational courses, civic involvement, civilian employment, voluntary public relations) directly related to technical and operational expertise. These activities enhance warfighting knowledge and demonstrate the unique skills of Fire Controlman reservists. Strive to be well-rounded technical and warfighting experts...
10. Within SurgeMain all regional/national positions are screened billets and with documented impact should be considered a plus.
11. When a local billet is unavailable, FC's may be assigned to billets in distant geographic locations to meet mobilization requirements, known as "cross-assignments." Fire Controlmen must be proficient in their assigned mobilization billets to perform duties immediately upon activation. Special consideration may be given to high-performing FCs with cross-assignments that demonstrate greater operational commitment due



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to frequent travel or remote training requirements (as demonstrated by frequent IDTT/ADT orders in a given fiscal year), supporting their units at or above the level of locally assigned Sailors.

12. Rating NECs:

The following NEC's are obtainable, sustainable, and/or assigned to Reserve Force FC Billets. To support Warfighting Readiness, Sailors who acquire the NEC and qualifications assigned to their billet demonstrate a higher level of competence in their rating. These sailors should leverage their experience and knowledge gained and should be favorably recognized accordingly.

SELRES can only be assigned to billets supporting NECs marked with an asterisk (*) if the NEC was obtained during mobilizations or extended active duty.

704B - Ship Self Defense System (SSDS) MK1 Operator
V02A - Close-In Weapon System (CIWS) Phalanx Block 1B Baseline 2 Technician
V08A - Combat Systems Maintenance Manager (CSMM) Military Specification (MILSPEC) Management*
V10A - Rolling Airframe Missile (RAM) MK-31 Mod 1 & 3 Guided Missile Weapons Systems Technician*
V15A - Gun Computer System (GCS) MK 160 MOD 11/Electro-Optical Sensor System (EOSS) MK20MOD 0*
V15B - SSDS OA Maintenance Technician*
V15C - Navy Afloat Maintenance Training Strategy (NAMTS) Phalanx Gun and Ammunition Handling System (PGAHS) Repair Technician
V16C - Gun Computer System (GCS) MK 160 MODs 21 and 22/Electro Optical Sensor System (EOSS) MK 20 MOD 1 Fire Control Technician*
V17A - GCS MK-160 MOD 4 Fire Control Technician*
V17B - AN/UYQ-21 Computer Display System Maintenance Technician*
V18A - CIWS MK-15 BLOCK 11-14 Technician
V18B - SSDS MK-2 Maintenance Technician*
V18D - Ship Self Defense System (SSDS) Mark (MK) 2 Maintenance Variant E (TI-16/TI-16H Technician*
V21A - GCS MK 160 MOD 8/OSS MK 46 MOD 1 Fire Control Technician*
V21B - LHD 1 Class ITAWDS Computer/ Peripheral Subsystem Maintenance Technician*
V22A - AN/SPS-48E Search Radar Technician*
V22C - Ship Self Defense System (SSDS) Combat Systems Maintenance Manager (CSMM)
V23C - Ship Self Defense System (SSDS) Combat Systems Supervisor (CSS)
V26A - Gun Computer System (GCS) MK 160 MOD 9/10 Fire Control Technician*
V27A - NATO Sea Sparrow Surface Missile System MK-57 MOD 2, 3 Technician*
V29A - Improved Point Defense Target Acquisition System MK-23 (IPD/TAS)*
V30A - AN/SYQ-27 Naval Fire Control System (NFCS) Phase I Fire Control Technician*
V31A - NATO Sea Sparrow Surface Missile System (NSSMS) MK 57 Mods 10 and Above*
V32A - Improved Self Defense Surface Missile System Technician
V32B - Commercial Broadband Satellite Program (CBSP) AN/USC-69 (V) 2, 3 (FLV/ULV) Maintenance Technician
V33A - Ship Self Defense System (SSDS) MK1 Maintenance Technician
V34A - Ship Self Defense System (SSDS) MK1 Systems Technician*
V35A - HARPOON (AN/SWG-1A) Maintenance Technician*
V39A - Cooperative Engagement Capability (CEC) AN/USG-2 Cooperative Engagement Transmission Processing Set (CETPS) Technician*
V39B - MK-15 MODS 31-33 SeaRAM CIWS Technician
V39C - MK-15 MOD 40 CIWS and RAM Defense Capability Technician
V40A - AN/SPQ-9B Radar Technician*
V41A - Tomahawk Strike Manager (TSM)*
V56A - Combat Systems Maintenance Manager (CSMM), Commercial Off-The-Shelf (COTS) Management*
V61B - MK 46 MOD 2 Gun Weapon System (GWS) Technician
V72A - AEGIS Weapon System (AWS) Baseline 9C Supervisor*
V86B - SSDS Open Architecture (OA) Tech Refresh Maintenance MOD 1C/3C/5C/6C Technician*



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702B - HARPOON (AN/SWG-1A) Engagement Planning Operator*
704B - Ship Self Defense System (SSDS) MK1 Operator
705B - Ships Self Defense System (SSDS) Operator
706B - Global Command and Control System-Maritime (GCCS-M) 4.x (Legacy 4.0.x/4.1.x Force Level) Operator
717B - Small Arms Marksmanship Instructor
718B - Crew Served Weapons (CSW) Instructor
721B - General Dynamics (GD) Littoral Combat Ship (LCS) Core Crew Mission Specialist*
725A - Combat Systems Senior Enlisted
725B - Global Command and Control System-Maritime Group Level 4.1 (GCCS-M GL 4.1) Operator
727A - Electromagnetic Compatibility Technician*
730A - Miniature/Microminiature Module Test and Repair (2M MTR) Technician
740A - Mission Distribution System Operator
764A - Shipboard Elevator Electrical Maintenance*
772B - Miniature/Microminiature Electronic Repair Inspector
773B - 2M Instructor
777B - Lockheed Martin (LM) Littoral Combat Ship (LCS) Core Crew Mission Specialist*
778B - Surface Warfare (SUW) Mission Specialist*
779B - 25mm Machine Gun System (MGS) MK 38 MOD Gun Weapon System (GWS) Technician
783A - Microminiature Electronic Repair Technician*
783B - Mine Warfare Planner
784A - Miniature Electronic Repair Technician
800G - Individual Augmentation (IA) Support Assignment-Basic Combat Unit Member
803A - Unmanned Aerial Vehicle (UAV) Systems Organizational Maintenance Technician
803G - Individual Augmentation (IA) Support Assignment-Counter Rocket Artillery and Mortar (C-RAM)
804A - Antiterrorism Training Supervisor
811A - 3-M System Coordinator
811G - Maritime Expeditionary Security Force (MESF) Operator
814A - Ammunition Inventory Management Specialist
825G - Expeditionary Force - Unmanned Systems (UAV/USV/USG) Maintenance
826G - Expeditionary Force - Unmanned Systems (UAV/USV/USG) Operator
827G - Maritime Expeditionary Security Force (MESF) Tactical Operations Support
838A - NSW UAS Operator/Maintainer

The following NECs are highly technical qualifications that are not obtainable or sustainable by a drilling SELRES FC, and therefore are not applied to SELRES FC billets – but may have been earned on Active Duty. This technical expertise should be recognized as it reflects the traditional Surface Community roots of Fire Controlman, and compliments the diverse career paths within the Reserve Force:

V19A - Phalanx Close-In Weapon System MK 15 MOD 11-14, 21, 22, and 25-28 Technician
V20A - Tactical Tomahawk Weapon Control System (TTWCS) Operation and Maintenance (O&M) Technician
V24C - Tactical Tomahawk Weapons Control System Maritime Strike Tomahawk Operator and Maintainer
V38A - AGFCS MK 86 MOD 9 Systems Technician
V51A - CEC AN/USG-2B Technician
V57A - AEGIS Weapon System MK-7 (BL7) Supervisor
V76A - CSMM Rating Enhancing Shore Duty
700G - Senior Landing Craft Air Cushion (LCAC) Navigator

Considerations for advancement from E6 to E7

Highly competitive candidates for selection as a Chief Petty Officer have met many or all of the following milestones:

- Enlisted Surface Warfare Qualified
- Completion of a rate-specific mobilization or other long-term orders.



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- DCTT Team Member or Leader
- Documented impact in Air Warfare, Surface Warfare, Strike Warfare, NSFS, Ordnance Evolutions, Magazine Systems, Equipment Maintenance/Administration, Electronics Repair, or ATFP Operations.
- Achieving qualifications or completing training related to Air Warfare, Surface Warfare, Strike Warfare, NSFS, Ordnance Evolutions, Magazine Systems, Equipment Maintenance/Administration, Electronics Repair, or ATFP Operations.
- Mission support (AT, ADT, ADOS, etc...) orders in support of fleet, joint, instructor duty, or special operations with documented impact.
- First Class Petty Officer Association (FCPOA) or SAILOR 360 with strong involvement and documented impact. Special consideration should be given to those in leadership positions.
- Unit LPO or N-Code LPO with documented impact on assigned sailors and programs. Leading in maintenance, technical or fire control operations.
- Completion of electronic engineering certifications, technician certifications, CompTIA certifications, NAMTS or USMAPs in Computer Operator, Electronics Technician, Electrician, Fiber Technician, Industrial Maintenance Mechanic, Network Operational Specialist, Optical Goods or Radio Operator should be considered a plus. or NAMTS should be considered a plus.
- Consideration should be given to being qualified up to 3M 304 LCPO/DIVO if available.
- Designation as Work Center Supervisor, or as applicable by Command, Community, or Platform.
- ALDC graduate.

Considerations for advancement from E7 to E8

Highly competitive candidates for selection as a Chief Petty Officer have met many or all of the following milestones:

- Documented impact in Air Warfare, Surface Warfare, Strike Warfare, NSFS, Ordnance Evolutions, Magazine Systems, Equipment Maintenance/Administration, Electronics Repair, or ATFP Operations.
- Warfare qualified (based on opportunity/assignment/mobilization) Chief Petty Officer Association (CPOA) with strong involvement and documented impact. Special consideration should be given to those in leadership positions.
- CPO Initiation and Sailor 360 with strong involvement and documented impact. Special consideration should be given to those in leadership positions.
- Completion of electronics related certifications, CompTIA certifications, NAMTS or USMAPs in Computer Operator, Electronics Technician, Electrician, Fiber Technician, Industrial Maintenance Mechanic, Network Operational Specialist, Optical Goods or Radio Operator should be considered a plus. or NAMTS should be considered a plus.
- Unit SEL/DLCPO/LCPO of large command
- A best and most qualified spends AT as an On-site Leader (OSL), and leading major unit training evolutions depending on unit/billet assignment.
- Qualified 3M 304 LCPO
- Training Team member, leader or training supervisor
- Regional SELs should be executing their ATs to perform unit visits and it should not be considered negative if they do not perform a shipyard AT
- Leadership Development facilitator with documented impact.
- CPO-LDC graduate.

Considerations for advancement from E8 to E9

Highly competitive candidates for selection as a Chief Petty Officer have met many or all of the following milestones:



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- Documented impact in Air Warfare, Surface Warfare, Strike Warfare, NSFS, Ordnance Evolutions, Magazine Systems, Equipment Maintenance/Administration, Electronics Repair, or ATFP Operations
- Warfare qualified (based on opportunity/assignment/mobilization)
- Completion of Reserve Senior Enlisted Management Course
- Chief Petty Officer Association (CPOA) with strong involvement and documented impact. Special consideration should be given to those in leadership positions.
- CPO Initiation with strong involvement and documented impact. Special consideration should be given to those in leadership positions.
- SAILOR 360 with strong involvement and documented impact. Special consideration should be given to those in leadership positions.
- Chief Petty Officer, Navy Leader Development Facilitator (CPO-NLDF), with documented impact
- Unit LCPO or DLCPO of large command
- Successful completion of a CSEL Billet for a minimum of 12 months.
- Training team member, leader, or training supervisor.
- Regional or National position in a Navy Reserve Program or Command
- Regional or Upper Echelon SELs could be executing their AT's ISO Enterprise-Level Leadership efforts, but consideration should be given to those that maintain proficiency as a senior watchstander (as applicable).
- Graduate of Senior Enlisted Academy or other Service Equivalent

Commissioning/Other Special Programs:

Commissioning Programs - [Commissioning Programs \(navy.mil\)](https://www.navy.mil/submit/display.asp?story_id=10000)

CSEL Program - [Pages - CMC CSC Program \(navy.mil\)](https://www.navy.mil/submit/display.asp?story_id=10000)