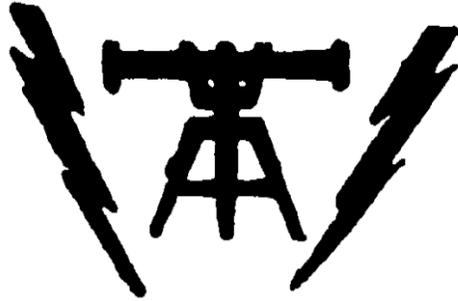


# CHAPTER 34



## FIRE CONTROLMAN (FC)

NAVPERS 18068-34I  
Change 93

Updated: January 2023

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FIRE CONTROLMAN (FC)

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

FIRE CONTROLMAN (FC)



SCOPE OF RATING

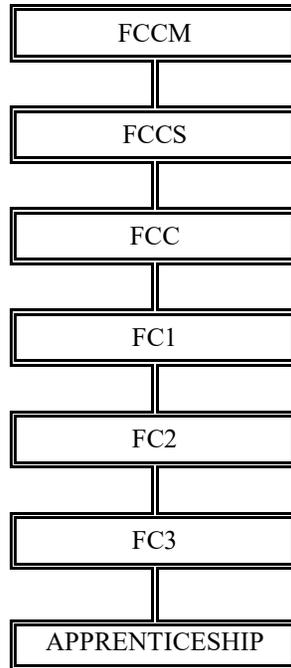
Fire Controlmen (FC) provide weapon direction systems employment recommendations; perform organizational and intermediate maintenance on digital computer equipment, subsystems, and systems; operate and maintain combat and weapons direction systems, radar systems, surface-to-air and surface-to-surface missile systems, and gun fire control systems at the organizational and intermediate level; conduct ordnance handling operations; inspect, test, align, and repair micro/minicomputers and associated peripheral equipment, network systems, data conversion units, data display equipment, data link terminal equipment, print devices, and system related equipment; perform analyses for detailed systems, computer programs, electronics, and electronic casualty control and operate associated built-in and external test equipment; and load, initialize, and run preprogrammed diagnostics, performance and testing routines for digital computer equipment, digital systems, digital subsystems, and overall combat systems.

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This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 34.

## GENERAL INFORMATION

### CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

### SAFETY

**The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.**

**Job Title**  
**Fire Controlman**

**Job Code**  
**003727**

**Job Family**  
 Military Specific

**NOC**  
 TBD

**Short Title (30 Characters)**  
 FIRE CONTROLMAN

**Short Title (14 Characters)**  
 FIRE CNTL

**Pay Plan**  
 Enlisted

**Career Field**  
 FC

**Other Relationships and Rules**  
 NEC VXXX series and other NECs as assigned

**Job Description**

Fire Controlmen (FC) maintain, troubleshoot, repair, and collect data for auxiliary equipment, network systems, computers, computer peripherals, displays, radar systems, shipboard optics, weapon and weapon delivery systems, Micro-Miniature (2M), and fiber optics at the organizational and intermediate maintenance level; load and unload ordnance; operate and maintain Ordnance Handling Equipment (OHE); review and maintain system logs and records; initialize, configure, operate, and collect data for weapons direction systems, radar systems, displays, and weapon consoles in both tactical and training environments; demonstrate comprehensive knowledge of warfare fundamentals and the fire control problem; maintain awareness of the tactical and training environments in which they are operating; and provide weapon system employment recommendations.

**DoD Relationship**

**Group Title**  
 Missile Guidance and Control

**DoD Code**  
 112100

**O\*NET Relationship**

**Occupation Title**  
 Artillery and Missile Crew Members

**SOC Code**  
 55-3014.00

**Job Family**  
 Military Specific

**Skills**

*Quality Control Analysis*  
*Operation Monitoring*  
*Operation and Control*  
*Complex Problem Solving*  
*Systems Evaluation*  
*Repairing*  
*Troubleshooting*  
*Management of Material Resources*  
*Monitoring*  
*Judgment and Decision Making*

**Abilities**

*Problem Sensitivity*  
*Written Comprehension*  
*Deductive Reasoning*  
*Information Ordering*  
*Oral Expression*  
*Inductive Reasoning*  
*Control Precision*  
*Finger Dexterity*  
*Written Expression*  
*Selective Attention*

**AIR WARFARE (AW) OPERATIONS**

| <b><u>Paygrade</u></b> | <b><u>Task Type</u></b> | <b><u>Task Statements</u></b>                         |
|------------------------|-------------------------|---|
| E4                     | CORE                    | Analyze air contacts                                  |
| E4                     | CORE                    | Analyze Air Defense (AD) intelligence data            |
| E7                     | CORE                    | Assign air contact priorities                         |
| E4                     | CORE                    | Assign symbology to air contacts                      |
| E6                     | CORE                    | Classify air contacts                                 |
| E4                     | CORE                    | Conduct shipboard defense against airborne threats    |
| E7                     | CORE                    | Develop Air Warfare (AW) Pre-Planned Responses (PPR)  |
| E4                     | CORE                    | Engage air targets with anti-air weapons              |
| E4                     | CORE                    | Evaluate air contact information                      |
| E4                     | CORE                    | Input Air Defense (AD) fire control parameters        |
| E7                     | CORE                    | Manage battle group Air Defense (AD) operations       |
| E6                     | CORE                    | Manage shipboard Air Defense (AD) operations          |
| E4                     | CORE                    | Recommend air contact classifications                 |
| E6                     | CORE                    | Recommend air contact priorities                      |
| E4                     | CORE                    | Recommend Air Defense (AD) engagement tactics         |
| E4                     | CORE                    | Report air contacts                                   |
| E4                     | CORE                    | Report air engagement Battle Damage Assessments (BDA) |
| E4                     | CORE                    | Track air contacts                                    |

## AIR WARFARE (AW) OPERATIONS (CONT'D)

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>         |
|-----------------|------------------|--------------------------------|
| E4              | CORE             | Update air contact information |

### AUXILIARY AND SUPPORT SYSTEMS

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>                                 |
|-----------------|------------------|--|
| E4              | CORE             | Configure auxiliary air and cooling water systems      |
| E4              | CORE             | Configure power conversion and distribution systems    |
| E4              | CORE             | Repair auxiliary air and cooling water systems         |
| E4              | CORE             | Repair power conversion and distribution systems       |
| E4              | CORE             | Test auxiliary air and cooling water systems           |
| E4              | CORE             | Test power conversion and distribution systems         |
| E4              | CORE             | Troubleshoot auxiliary air and cooling water systems   |
| E4              | CORE             | Troubleshoot power conversion and distribution systems |

### CREW-SERVED WEAPONS, SMALL ARMS, AND SECURITY

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>                                     |
|-----------------|------------------|--|
| E4              | NON-CORE         | Conduct Visit Board Search and Seizure (VBSS) operations   |
| E4              | CORE             | Engage targets with crew-served weapons                    |
| E7              | NON-CORE         | Manage Visit Board Search and Seizure (VBSS) operations    |
| E4              | CORE             | Mount crew-served weapons                                  |
| E4              | NON-CORE         | Repair crew-served weapons                                 |
| E4              | NON-CORE         | Repair small arms  |
| E6              | NON-CORE         | Supervise Visit Board Search and Seizure (VBSS) operations |
| E4              | CORE             | Test crew-served weapons                                   |
| E4              | CORE             | Test small arms  |
| E5              | NON-CORE         | Train personnel in crew-served weapons                     |
| E5              | NON-CORE         | Train personnel in small arms                              |
| E4              | NON-CORE         | Troubleshoot crew-served weapons                           |
| E4              | NON-CORE         | Troubleshoot small arms                                    |

### EQUIPMENT ADMINISTRATION

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>   |
|-----------------|------------------|--|
| E4              | CORE             | Collect equipment and system status data   |
| E5              | CORE             | Conduct Combat Systems Alignments (CSA)  |
| E4              | CORE             | Conduct equipment validations  |
| E4              | CORE             | Document equipment status  |
| E6              | CORE             | Draft Casualty Reports (CASREP)  |
| E5              | CORE             | Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.) |
| E5              | CORE             | Implement technical briefs, notices, and bulletins   |
| E4              | CORE             | Inspect work areas, tools, and equipment   |
| E4              | CORE             | Inventory controlled equipment   |
| E4              | CORE             | Inventory fire control system software and firmware  |
| E4              | CORE             | Inventory fire control test equipment  |

## **EQUIPMENT ADMINISTRATION (CONT'D)**

| <b><u>Paygrade</u></b> | <b><u>Task Type</u></b> | <b><u>Task Statements</u></b>   |
|------------------------|-------------------------|---|
| E4                     | NON-CORE                | Inventory Maintenance Assistance Modules (MAM)                          |
| E5                     | CORE                    | Maintain fire control system password accounts                          |
| E5                     | CORE                    | Maintain preventive maintenance documents                               |
| E4                     | CORE                    | Maintain system status logs   |
| E6                     | CORE                    | Manage equipment certifications and recertifications                    |
| E5                     | NON-CORE                | Manage tactical data recordings   |
| E4                     | CORE                    | Provide equipment installation and alteration assistance                |
| E4                     | CORE                    | Provide fire control system software and firmware update assistance     |
| E4                     | NON-CORE                | Record tactical data (e.g., digital media)                              |
| E5                     | CORE                    | Supervise combat system software and firmware installations and updates |
| E5                     | CORE                    | Supervise controlled equipment inventories                              |
| E5                     | CORE                    | Supervise equipment certifications and recertifications                 |
| E5                     | CORE                    | Supervise equipment installations, testing, and alterations             |
| E5                     | CORE                    | Supervise fire control test equipment inventories                       |
| E5                     | CORE                    | Supervise Maintenance Assistance Modules (MAM) usage                    |
| E5                     | CORE                    | Supervise work center equipment and system configurations               |
| E5                     | CORE                    | Supervise work center maintenance operations                            |
| E5                     | CORE                    | Update Combat Systems Operational Sequencing System (CSOSS)             |
| E5                     | CORE                    | Validate Combat Systems Operational Sequencing System (CSOSS)           |
| E6                     | CORE                    | Verify equipment installations, testing, and alterations                |

## **FIRE CONTROL SYSTEMS**

| <b><u>Paygrade</u></b> | <b><u>Task Type</u></b> | <b><u>Task Statements</u></b>  |
|------------------------|-------------------------|--|
| E4                     | CORE                    | Align radar systems  |
| E5                     | CORE                    | Analyze fire control systems data  |
| E4                     | CORE                    | Conduct Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP) |
| E4                     | CORE                    | Configure alarm, safety, and warning systems                               |
| E4                     | CORE                    | Configure computer and peripheral systems                                  |
| E4                     | CORE                    | Configure gun weapon systems   |
| E4                     | CORE                    | Configure informational display systems                                    |
| E4                     | CORE                    | Configure missile delivery systems   |
| E4                     | CORE                    | Configure network systems  |
| E4                     | CORE                    | Configure radar systems  |
| E4                     | CORE                    | Configure Tactical Display Systems (TDS)                                   |
| E4                     | CORE                    | Configure weapons systems optics   |
| E4                     | CORE                    | Repair alarm, safety, and warning systems                                  |
| E4                     | CORE                    | Repair computer and peripheral systems                                     |
| E4                     | CORE                    | Repair gun weapon systems  |
| E4                     | CORE                    | Repair informational display systems                                       |
| E4                     | CORE                    | Repair missile delivery systems  |
| E4                     | CORE                    | Repair network systems   |

### **FIRE CONTROL SYSTEMS (CONT'D)**

| <b><u>Paygrade</u></b> | <b><u>Task Type</u></b> | <b><u>Task Statements</u></b>                   |
|------------------------|-------------------------|---|
| E4                     | CORE                    | Repair radar systems                            |
| E4                     | CORE                    | Repair Tactical Display Systems (TDS)           |
| E4                     | CORE                    | Repair weapons systems optics                   |
| E4                     | CORE                    | Test alarm, safety, and warning systems         |
| E4                     | CORE                    | Test computer and peripheral systems            |
| E4                     | CORE                    | Test gun weapon systems                         |
| E4                     | CORE                    | Test informational display systems              |
| E4                     | CORE                    | Test missile delivery systems                   |
| E4                     | CORE                    | Test network systems                            |
| E4                     | CORE                    | Test radar systems                              |
| E4                     | CORE                    | Test Tactical Display Systems (TDS)             |
| E4                     | CORE                    | Test weapons systems optics                     |
| E4                     | CORE                    | Troubleshoot alarm, safety, and warning systems |
| E4                     | CORE                    | Troubleshoot computer and peripheral systems    |
| E4                     | CORE                    | Troubleshoot gun weapon systems                 |
| E4                     | CORE                    | Troubleshoot informational display systems      |
| E4                     | CORE                    | Troubleshoot missile delivery systems           |
| E4                     | CORE                    | Troubleshoot network systems                    |
| E4                     | CORE                    | Troubleshoot radar systems                      |
| E4                     | CORE                    | Troubleshoot Tactical Display Systems (TDS)     |
| E4                     | CORE                    | Troubleshoot weapons systems optics             |

### **NAVAL SURFACE FIRE SUPPORT (NSFS) OPERATIONS**

| <b><u>Paygrade</u></b> | <b><u>Task Type</u></b> | <b><u>Task Statements</u></b>   |
|------------------------|-------------------------|---|
| E4                     | NON-CORE                | Deliver Naval Surface Fire Support (NSFS) using Surface Warfare (SUW) weapons |
| E4                     | NON-CORE                | Maintain Naval Surface Fire Support (NSFS) plots                              |
| E4                     | NON-CORE                | Perform Naval Surface Fire Support (NSFS) pre-fire system tests               |
| E4                     | NON-CORE                | Review operational orders and pre-assigned fire mission messages              |
| E5                     | NON-CORE                | Supervise Naval Surface Fire Support (NSFS) plot teams                        |

### **ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS**

| <b><u>Paygrade</u></b> | <b><u>Task Type</u></b> | <b><u>Task Statements</u></b>  |
|------------------------|-------------------------|--|
| E4                     | CORE                    | Conduct gun weapon systems uploading and downloading                   |
| E4                     | CORE                    | Conduct missile delivery systems uploading and downloading             |
| E4                     | CORE                    | Conduct ordnance handling evolutions                                   |
| E5                     | NON-CORE                | Configure magazine equipment (e.g., battens, stanchions, alarms, etc.) |
| E4                     | CORE                    | Inspect ordnance   |
| E4                     | CORE                    | Inspect ordnance containers  |
| E4                     | CORE                    | Inspect ordnance magazines and lockers                                 |
| E4                     | CORE                    | Inventory ordnance   |
| E6                     | CORE                    | Manage gun weapon systems uploading and downloading                    |
| E6                     | CORE                    | Manage missile delivery systems uploading and downloading              |

## ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS (CONT'D)

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>  |
|-----------------|------------------|---|
| E4              | CORE             | Perform Material Handling Equipment (MHE) operations                      |
| E4              | CORE             | Perform Ordnance Handling Equipment (OHE) operations                      |
| E4              | CORE             | Perform weapons casualty procedures                                       |
| E4              | CORE             | Perform weapons hoist operations  |
| E4              | CORE             | Prepare ordnance for transporting   |
| E4              | NON-CORE         | Repair magazine equipment (e.g., battens, stanchions, alarms, etc.)       |
| E4              | NON-CORE         | Repair magazine sprinkler systems   |
| E4              | NON-CORE         | Repair Material Handling Equipment (MHE)                                  |
| E4              | NON-CORE         | Repair Ordnance Handling Equipment (OHE)                                  |
| E4              | NON-CORE         | Repair weapons hoists   |
| E4              | CORE             | Stow ordnance   |
| E5              | CORE             | Supervise gun weapon systems uploading and downloading                    |
| E5              | NON-CORE         | Supervise magazine and ordnance locker inspections                        |
| E5              | CORE             | Supervise Material Handling Equipment (MHE) testing                       |
| E5              | CORE             | Supervise missile delivery systems uploading and downloading              |
| E5              | CORE             | Supervise Ordnance Handling Equipment (OHE) testing                       |
| E5              | CORE             | Supervise ordnance handling evolutions                                    |
| E5              | CORE             | Supervise ordnance inspections  |
| E5              | CORE             | Supervise ordnance stowage  |
| E5              | CORE             | Supervise weapons casualty evolutions                                     |
| E4              | NON-CORE         | Test magazine equipment (e.g., battens, stanchions, alarms, etc.)         |
| E5              | NON-CORE         | Test magazine sprinkler systems   |
| E4              | CORE             | Test Material Handling Equipment (MHE)                                    |
| E4              | CORE             | Test Ordnance Handling Equipment (OHE)                                    |
| E4              | NON-CORE         | Test weapons hoists   |
| E4              | CORE             | Transport ordnance  |
| E4              | NON-CORE         | Troubleshoot magazine equipment (e.g., battens, stanchions, alarms, etc.) |
| E4              | NON-CORE         | Troubleshoot magazine sprinkler systems                                   |
| E4              | NON-CORE         | Troubleshoot Material Handling Equipment (MHE)                            |
| E4              | NON-CORE         | Troubleshoot Ordnance Handling Equipment (OHE)                            |
| E4              | NON-CORE         | Troubleshoot weapons hoists   |
| E4              | CORE             | Unpack ordnance   |

## SURFACE WARFARE (SUW) OPERATIONS

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>                          |
|-----------------|------------------|---|
| E4              | CORE             | Analyze surface contacts                        |
| E5              | CORE             | Analyze Surface Warfare (SUW) intelligence data |
| E6              | CORE             | Assign surface contact priorities               |
| E4              | CORE             | Assign symbology to surface contacts            |
| E6              | CORE             | Classify surface contacts                       |
| E6              | CORE             | Compare surface weapons targeting solutions     |

## SURFACE WARFARE (SUW) OPERATIONS (CONT'D)

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>                                    |
|-----------------|------------------|---|
| E4              | CORE             | Conduct shipboard defense against surface threats         |
| E6              | CORE             | Coordinate inorganic Surface Warfare (SUW) assets         |
| E4              | CORE             | Correlate Surface Warfare (SUW) targeting data            |
| E7              | CORE             | Develop Surface Warfare (SUW) Pre-Planned Responses (PPR) |
| E4              | CORE             | Engage surface targets with anti-surface weapon systems   |
| E4              | CORE             | Evaluate surface contact information                      |
| E4              | CORE             | Input Surface Warfare (SUW) fire control parameters       |
| E7              | CORE             | Manage battle group Surface Warfare (SUW) operations      |
| E6              | CORE             | Manage shipboard Surface Warfare (SUW) operations         |
| E4              | CORE             | Recommend surface contact classifications                 |
| E5              | CORE             | Recommend surface contact priorities                      |
| E4              | CORE             | Recommend Surface Warfare (SUW) engagement tactics        |
| E4              | CORE             | Report surface contacts                                   |
| E4              | CORE             | Report surface engagement Battle Damage Assessments (BDA) |
| E4              | CORE             | Track surface contacts                                    |
| E4              | CORE             | Update surface contact information                        |

## TECHNICAL CORE FUNDAMENTALS

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>   |
|-----------------|------------------|--|
| E4              | NON-CORE         | Align optical systems  |
| E5              | CORE             | Analyze blueprints and ship's drawings   |
| E4              | CORE             | Analyze equipment schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)   |
| E4              | CORE             | Analyze technical manuals  |
| E4              | CORE             | Configure combat systems equipment   |
| E4              | CORE             | Configure General Purpose Electronic Test Equipment (GPETE)  |
| E4              | CORE             | Control Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) effects on electronic systems  |
| E5              | CORE             | Make operational and situational reports   |
| E5              | CORE             | Manage Combat Systems Operational Sequencing System (CSOSS) operations   |
| E4              | CORE             | Measure radio wave parameters  |
| E4              | CORE             | Perform basic soldering on electrical and electronic equipment   |
| E4              | CORE             | Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.) |
| E4              | CORE             | Perform corrosion prevention and control procedures on fire control systems  |
| E4              | CORE             | Repair Alternating Current (AC) circuits   |
| E4              | NON-CORE         | Repair data links  |
| E4              | CORE             | Repair digital circuits  |
| E4              | CORE             | Repair Direct Current (DC) circuits  |
| E4              | CORE             | Repair electromechanical (synchro/servo) systems   |
| E4              | NON-CORE         | Repair fiber optic cables and connectors   |

### TECHNICAL CORE FUNDAMENTALS (CONT'D)

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>   |
|-----------------|------------------|--|
| E4              | CORE             | Repair interconnecting cables and connectors                       |
| E4              | NON-CORE         | Repair power supplies  |
| E4              | CORE             | Repair Radio Frequency (RF) circuits                               |
| E4              | CORE             | Repair valves  |
| E4              | CORE             | Replace Alternating Current and Direct Current (AC/DC) motors      |
| E4              | CORE             | Replace electromechanical (synchro/servo) systems                  |
| E4              | CORE             | Replace power supplies   |
| E4              | CORE             | Test Alternating Current (AC) circuits                             |
| E4              | CORE             | Test Alternating Current and Direct Current (AC/DC) motors         |
| E4              | CORE             | Test communication systems   |
| E4              | NON-CORE         | Test data links  |
| E4              | CORE             | Test digital circuits  |
| E4              | CORE             | Test Direct Current (DC) circuits                                  |
| E4              | CORE             | Test electromechanical (synchro/servo) systems                     |
| E4              | CORE             | Test fiber optic cables and connectors                             |
| E4              | CORE             | Test interconnecting cables and connectors                         |
| E4              | CORE             | Test power supplies  |
| E4              | CORE             | Test Radio Frequency (RF) circuits                                 |
| E4              | CORE             | Test valves  |
| E4              | CORE             | Troubleshoot Alternating Current (AC) circuits                     |
| E4              | CORE             | Troubleshoot Alternating Current and Direct Current (AC/DC) motors |
| E4              | NON-CORE         | Troubleshoot data links  |
| E4              | CORE             | Troubleshoot digital circuits                                      |
| E4              | CORE             | Troubleshoot Direct Current (DC) circuits                          |
| E4              | CORE             | Troubleshoot electromechanical (synchro/servo) systems             |
| E4              | NON-CORE         | Troubleshoot fiber optic cables and connectors                     |
| E4              | CORE             | Troubleshoot interconnecting cables and connectors                 |
| E4              | CORE             | Troubleshoot power supplies  |
| E4              | CORE             | Troubleshoot Radio Frequency (RF) circuits                         |
| E4              | CORE             | Troubleshoot valves  |

### WATCH TEAM OPERATIONS

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>   |
|-----------------|------------------|--|
| E4              | CORE             | Analyze combat systems equipment status  |
| E4              | CORE             | Analyze tactical operations data   |
| E4              | CORE             | Analyze threat weapons data  |
| E4              | NON-CORE         | Calculate environmental range predictions  |
| E5              | CORE             | Conduct combat systems training and testing evolutions   |
| E4              | CORE             | Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.) |

### WATCH TEAM OPERATIONS (CONT'D)

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>  |
|-----------------|------------------|---|
| E4              | CORE             | Configure Combat Information Center (CIC)/Combat Direction Center (CDC) systems for special evolutions  |
| E4              | CORE             | Configure internal communications networks  |
| E4              | CORE             | Configure systems to Commanding Officer's (CO) battle orders  |
| E7              | CORE             | Coordinate combat systems training and testing evolutions   |
| E7              | CORE             | Coordinate configuration of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF) |
| E6              | CORE             | Direct execution of warfare commanders intentions   |
| E4              | CORE             | Execute Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines   |
| E4              | CORE             | Maintain network security   |
| E6              | CORE             | Manage configuration of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)     |
| E4              | NON-CORE         | Manage database information   |
| E7              | CORE             | Manage network security   |
| E4              | CORE             | Perform Pre-Planned Responses (PPR)   |
| E4              | CORE             | Repair internal communications networks   |
| E4              | CORE             | Report assignment and engagement status of own ships weapons systems  |
| E4              | CORE             | Set Emission Control (EMCON) conditions   |
| E4              | CORE             | Set Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF) conditions   |
| E5              | CORE             | Supervise combat systems training and testing evolutions  |
| E5              | CORE             | Supervise configuration of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)  |
| E5              | CORE             | Supervise network security  |
| E4              | CORE             | Test internal communications networks   |
| E4              | CORE             | Transition own ships weapons systems between conditions of readiness  |
| E4              | CORE             | Troubleshoot internal communications networks   |
| E4              | CORE             | Update plotting and status boards   |
| E5              | CORE             | Verify Emission Control (EMCON) status  |
| E5              | CORE             | Verify Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF) conditions  |
| E5              | CORE             | Verify systems configurations to Commanding Officer's (CO) battle orders  |

**Job Title****Fire Control Administrator****Job Code****003729****Job Family**

Military Specific

**NOC**

TBD

**Short Title (30 Characters)**

FIRE CONTROL ADMINISTRATOR

**Short Title (14 Characters)**

FIRE CTRL ADMN

**Pay Plan**

Enlisted

**Career Field**

FC

**Other Relationships and Rules**

NEC VXXX series and other NECs as assigned

**Job Description**

Fire Control (FC) Administrators manage and supervise the operation and maintenance of weapons systems in both tactical and training environments; collect and validate data from various shipboard systems to maintain combat readiness; plan and evaluate weapon system exercises/engagements; manage personnel and training operations; and develop and conduct briefs/debriefs for combat system evolutions.

**DoD Relationship****Group Title**

Missile Guidance and Control

**DoD Code**

112100

**O\*NET Relationship****Occupation Title**

Artillery and Missile Officers

**SOC Code**

55-1014.00

**Job Family**

Military Specific

**Skills***Management of Material Resources**Management of Personnel Resources**Quality Control Analysis**Monitoring**Coordination**Operation and Control**Reading Comprehension**Writing**Complex Problem Solving**Critical Thinking***Abilities***Problem Sensitivity**Written Comprehension**Information Ordering**Oral Expression**Written Expression**Originality**Inductive Reasoning**Selective Attention**Number Facility**Deductive Reasoning***AIR WARFARE (AW) OPERATIONS****Paygrade****Task Type****Task Statements**

E4

CORE

Analyze Air Defense (AD) intelligence data

E7

CORE

Assign air contact priorities

E7

CORE

Develop Air Warfare (AW) Pre-Planned Responses (PPR)

E7

CORE

Manage battle group Air Defense (AD) operations

E6

CORE

Manage shipboard Air Defense (AD) operations

E7

CORE

Recommend Air Defense (AD) search and engagement plans

**CREW-SERVED WEAPONS, SMALL ARMS, AND SECURITY****Paygrade****Task Type****Task Statements**

E6

NON-CORE

Conduct Anti-Terrorism (AT) assessments

E7

NON-CORE

Coordinate Anti-Terrorism (AT) assessments

E4

NON-CORE

Inventory Anti-Terrorism Force Protection (ATFP) equipment

E4

CORE

Inventory crew-served weapons

E4

CORE

Inventory small arms

E4

NON-CORE

Inventory Visit Board Search and Seizure (VBSS) equipment

E6

CORE

Manage crew-served weapons qualification programs

E5

NON-CORE

Manage small arms and crew-served weapons inventory programs (e.g., schedule, validate, etc.)

E5

CORE

Manage small arms qualification programs

E7

NON-CORE

Manage Visit Board Search and Seizure (VBSS) operations

E6

NON-CORE

Supervise crew-served weapons evolutions (range safety officer)

**CREW-SERVED WEAPONS, SMALL ARMS, AND SECURITY (CONT'D)**

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>                                     |
|-----------------|------------------|--|
| E6              | NON-CORE         | Supervise Visit Board Search and Seizure (VBSS) operations |
| E5              | NON-CORE         | Train personnel in crew-served weapons                     |
| E5              | NON-CORE         | Train personnel in small arms                              |
| E5              | NON-CORE         | Transfer custody of small arms                             |

**EQUIPMENT ADMINISTRATION**

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>  |
|-----------------|------------------|---|
| E7              | CORE             | Approve equipment installations, testing, and alterations   |
| E6              | NON-CORE         | Audit fire control system password accounts   |
| E7              | CORE             | Coordinate Combat Systems Alignment (CSA) evolutions  |
| E7              | CORE             | Coordinate combat systems software and firmware installations and updates   |
| E7              | CORE             | Coordinate equipment certifications and recertifications  |
| E7              | CORE             | Coordinate equipment installations, testing, and alterations  |
| E4              | CORE             | Document equipment status   |
| E6              | CORE             | Draft Casualty Reports (CASREP)   |
| E5              | CORE             | Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)  |
| E5              | CORE             | Implement technical briefs, notices, and bulletins  |
| E4              | CORE             | Inventory controlled equipment  |
| E4              | CORE             | Inventory fire control system software and firmware   |
| E4              | CORE             | Inventory fire control test equipment   |
| E4              | NON-CORE         | Inventory Maintenance Assistance Modules (MAM)  |
| E5              | CORE             | Maintain fire control system password accounts  |
| E5              | CORE             | Maintain preventive maintenance documents   |
| E6              | CORE             | Manage Combat Systems Alignment (CSA) evolutions  |
| E6              | CORE             | Manage combat systems software and firmware installations and updates   |
| E6              | CORE             | Manage controlled equipment   |
| E7              | CORE             | Manage divisional equipment and system configurations   |
| E7              | CORE             | Manage divisional maintenance operations  |
| E7              | CORE             | Manage equipment Casualty Reporting (CASREP) process  |
| E6              | CORE             | Manage equipment certifications and recertifications  |
| E7              | NON-CORE         | Manage fire control system password accounts  |
| E6              | CORE             | Manage fire control test equipment  |
| E7              | CORE             | Manage Maintenance Assistance Modules (MAM) usage   |
| E7              | CORE             | Manage procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.) |
| E5              | NON-CORE         | Manage tactical data recordings   |
| E5              | CORE             | Manage test equipment calibration programs  |
| E5              | CORE             | Process equipment validations   |
| E5              | CORE             | Supervise combat system software and firmware installations and updates   |
| E5              | CORE             | Supervise controlled equipment inventories  |

### **EQUIPMENT ADMINISTRATION (CONT'D)**

| <b><u>Paygrade</u></b> | <b><u>Task Type</u></b> | <b><u>Task Statements</u></b>   |
|------------------------|-------------------------|---|
| E6                     | CORE                    | Supervise divisional equipment and system configurations  |
| E6                     | CORE                    | Supervise divisional maintenance operations   |
| E5                     | CORE                    | Supervise equipment installations, testing, and alterations   |
| E5                     | CORE                    | Supervise fire control test equipment inventories   |
| E5                     | CORE                    | Supervise Maintenance Assistance Modules (MAM) usage  |
| E5                     | CORE                    | Supervise work center equipment and system configurations   |
| E5                     | CORE                    | Supervise work center maintenance operations  |
| E5                     | CORE                    | Update Combat Systems Operational Sequencing System (CSOSS)   |
| E5                     | CORE                    | Validate Combat Systems Operational Sequencing System (CSOSS)   |
| E7                     | CORE                    | Verify equipment certifications and recertifications  |
| E6                     | CORE                    | Verify equipment installations, testing, and alterations  |
| E7                     | CORE                    | Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.) |

### **FIRE CONTROL SYSTEMS**

| <b><u>Paygrade</u></b> | <b><u>Task Type</u></b> | <b><u>Task Statements</u></b>     |
|------------------------|-------------------------|-----------------------------------|
| E5                     | CORE                    | Analyze fire control systems data |

### **NAVAL SURFACE FIRE SUPPORT (NSFS) OPERATIONS**

| <b><u>Paygrade</u></b> | <b><u>Task Type</u></b> | <b><u>Task Statements</u></b>                                     |
|------------------------|-------------------------|---|
| E6                     | NON-CORE                | Analyze operational orders and pre-assigned fire mission messages |
| E6                     | NON-CORE                | Coordinate Naval Surface Fire Support (NSFS) engagements          |
| E6                     | NON-CORE                | Plan Naval Surface Fire Support (NSFS) engagements                |

### **ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS**

| <b><u>Paygrade</u></b> | <b><u>Task Type</u></b> | <b><u>Task Statements</u></b>   |
|------------------------|-------------------------|---|
| E7                     | CORE                    | Coordinate gun weapon systems uploading and downloading                         |
| E5                     | CORE                    | Coordinate Material Handling Equipment (MHE) testing                            |
| E7                     | CORE                    | Coordinate missile delivery systems uploading and downloading                   |
| E5                     | CORE                    | Coordinate Ordnance Handling Equipment (OHE) testing                            |
| E7                     | CORE                    | Coordinate ordnance handling evolutions   |
| E7                     | CORE                    | Coordinate ordnance stowage   |
| E6                     | CORE                    | Coordinate weapons casualty evolutions  |
| E4                     | CORE                    | Inventory ordnance  |
| E6                     | CORE                    | Manage gun weapon systems uploading and downloading                             |
| E6                     | CORE                    | Manage magazine and locker inspections  |
| E6                     | CORE                    | Manage missile delivery systems uploading and downloading                       |
| E6                     | CORE                    | Manage ordnance handling evolutions   |
| E5                     | CORE                    | Manage ordnance handling qualification programs                                 |
| E6                     | CORE                    | Manage ordnance stowage   |
| E7                     | CORE                    | Monitor ordnance handling evolutions (Quality Assurance Safety Observer (QASO)) |
| E5                     | NON-CORE                | Sentence Arms, Ammunition, and Explosives (AA&E) assets                         |
| E7                     | CORE                    | Supervise magazine sprinkler systems testing                                    |

## ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS (CONT'D)

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>                              |
|-----------------|------------------|---|
| E5              | CORE             | Supervise Material Handling Equipment (MHE) testing |
| E5              | CORE             | Supervise Ordnance Handling Equipment (OHE) testing |
| E5              | CORE             | Transfer custody of ordnance                        |

## SURFACE WARFARE (SUW) OPERATIONS

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>                                      |
|-----------------|------------------|---|
| E5              | CORE             | Analyze Surface Warfare (SUW) intelligence data             |
| E6              | CORE             | Assign surface contact priorities                           |
| E6              | CORE             | Coordinate inorganic Surface Warfare (SUW) assets           |
| E7              | CORE             | Develop Surface Warfare (SUW) Pre-Planned Responses (PPR)   |
| E7              | CORE             | Manage battle group Surface Warfare (SUW) operations        |
| E6              | CORE             | Manage shipboard Surface Warfare (SUW) operations           |
| E7              | CORE             | Recommend Surface Warfare (SUW) search and engagement plans |

## TECHNICAL CORE FUNDAMENTALS

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>  |
|-----------------|------------------|---|
| E5              | CORE             | Make operational and situational reports  |
| E6              | CORE             | Manage safety programs and instructions (e.g., aloft, electrical equipment, etc.) |

## WATCH TEAM OPERATIONS

| <u>Paygrade</u> | <u>Task Type</u> | <u>Task Statements</u>  |
|-----------------|------------------|---|
| E5              | CORE             | Brief tactical, operational, and situational status reports   |
| E5              | CORE             | Conduct combat systems training and testing evolutions  |
| E7              | CORE             | Coordinate Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness (e.g., Combat Systems Training Team (CSTT))   |
| E7              | CORE             | Coordinate Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions (e.g., Pre-action Aim Calibration (PAC) fire, missile exercises, etc.)   |
| E7              | CORE             | Coordinate combat systems operations in port  |
| E7              | CORE             | Coordinate combat systems operations underway   |
| E7              | CORE             | Coordinate combat systems training and testing evolutions   |
| E7              | CORE             | Coordinate combat systems watch teams   |
| E7              | CORE             | Coordinate configuration of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF) |
| E7              | CORE             | Coordinate Overall Combat Systems Operability Testing (OCSOT)   |
| E7              | CORE             | Coordinate personnel qualification and certification programs   |
| E7              | CORE             | Coordinate transition of combat systems between conditions of readiness   |
| E7              | CORE             | Develop Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines   |
| E5              | CORE             | Develop combat systems training and testing evolutions  |
| E5              | CORE             | Evaluate combat systems training and testing evolutions   |
| E5              | CORE             | Interpret Naval messages  |
| E6              | CORE             | Manage Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines  |

### **WATCH TEAM OPERATIONS (CONT'D)**

| <b><u>Paygrade</u></b> | <b><u>Task Type</u></b> | <b><u>Task Statements</u></b>  |
|------------------------|-------------------------|--|
| E6                     | CORE                    | Manage Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness (e.g., Combat Systems Training Team (CSTT))  |
| E6                     | CORE                    | Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during casualty conditions  |
| E6                     | CORE                    | Manage Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions (e.g., Pre-action Aim Calibration (PAC) fire, missile exercises, etc.)  |
| E6                     | CORE                    | Manage combat systems operations in port   |
| E6                     | CORE                    | Manage combat systems operations underway  |
| E6                     | CORE                    | Manage combat systems training and testing evolutions  |
| E6                     | CORE                    | Manage combat systems watch teams  |
| E6                     | CORE                    | Manage personnel qualification and certification programs  |
| E6                     | CORE                    | Manage transition of combat systems between conditions of readiness  |
| E5                     | CORE                    | Perform external communications (ship-to-ship, ship-to-shore, and ship-to-air)   |
| E4                     | CORE                    | Report combat systems equipment status   |
| E5                     | CORE                    | Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness (e.g., Combat Systems Training Team (CSTT))   |
| E5                     | CORE                    | Supervise Combat Information Centers (CIC)/Combat Direction Centers (CDC) during special evolutions (e.g., Pre-action Aim Calibration (PAC) fire, missile exercises, etc.)   |
| E5                     | CORE                    | Supervise combat systems operations in port  |
| E5                     | CORE                    | Supervise combat systems operations underway   |
| E5                     | CORE                    | Supervise combat systems training and testing evolutions   |
| E5                     | CORE                    | Supervise combat systems watch teams   |
| E5                     | CORE                    | Supervise configuration of combat systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF) |
| E5                     | CORE                    | Supervise configuration of combat systems for Emission Control (EMCON) conditions  |
| E5                     | CORE                    | Supervise network security   |
| E5                     | CORE                    | Supervise personnel qualification and certification programs   |
| E5                     | CORE                    | Supervise transition of combat systems between conditions of readiness   |
| E7                     | CORE                    | Validate Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines   |
| E5                     | CORE                    | Verify systems configurations to Commanding Officer's (CO) battle orders   |