

CHAPTER 34



FIRE CONTROLMAN (FC)

NAVPERS 18068F-34J
Change 103

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

FIRE CONTROLMAN (FC)



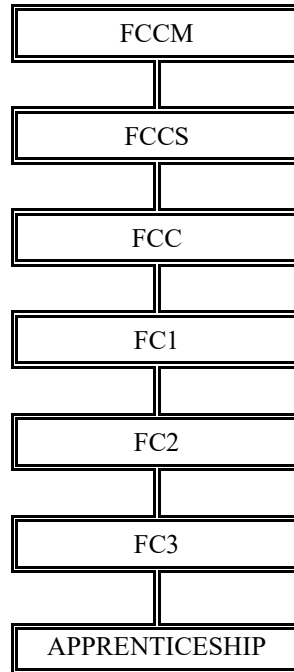
SCOPE OF RATING

Fire Controlmen (FC) operate and employ surface ship combat and weapons direction systems; conduct detailed dynamic and deliberate fires planning and execution; maintain combat and weapons direction systems and subsystems, including radar systems, anti-air and anti-surface missile systems, land attack missile systems, and gun fire control systems at organizational and intermediate levels; 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, and system-related equipment; perform analysis for detailed systems, computer programs, electronics, and electronic casualty control and operate associated built-in and external test equipment; load, initialize, and run preprogrammed diagnostics, performance, and testing routines for digital computer equipment, digital systems, digital subsystems, and overall combat systems; and conduct shipboard Anti-Terrorism Force Protection (ATFP) security training and operations.

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 and 7XXX series and other NECs as assigned

Job Description

Fire Controlmen maintain, troubleshoot, repair, and collect data for combat, weapon, and weapon delivery systems, auxiliary equipment, network systems, computers, computer peripherals, displays, radar systems, optical systems, Micro-Miniature (2M), and fiber optics at organizational and intermediate maintenance levels; 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 combat and 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; build and maintain Situational Awareness (SA) in the operational environment; and provide weapon systems 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 and Control**Operation Monitoring**Complex Problem Solving**Reading Comprehension**Systems Evaluation**Management of Material Resources**Monitoring**Repairing**Troubleshooting***Abilities***Problem Sensitivity**Written Comprehension**Information Ordering**Inductive Reasoning**Deductive Reasoning**Oral Expression**Written Expression**Finger Dexterity**Control Precision**Manual Dexterity***AIR WARFARE (AW) OPERATIONS****Paygrade****Task Type****Task Statements**

E4

CORE

Analyze air contacts

E6

CORE

Analyze Air Defense (AD) intelligence data

E6

CORE

Assign air contact priorities

E4

CORE

Assign symbology to air contacts

E6

CORE

Classify air contacts

E6

CORE

Coordinate engagement of air targets with anti-air weapons

E7

CORE

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

E4

CORE

Engage air targets with anti-air weapons

E5

NON-CORE

Engage air targets with non-kinetic countermeasures

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

E5

CORE

Recommend air contact priorities

E4

CORE

Recommend Air Defense (AD) engagement tactics (e.g., course changes, weapon limitations, etc.)

E6

CORE

Recommend Air Defense (AD) search and engagement plans

E4

CORE

Report air contacts

E4

CORE

Report air engagement Battle Damage Assessments (BDA)

AIR WARFARE (AW) OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Track air contacts
E6	CORE	Update air contact information

AUXILIARY AND SUPPORT SYSTEMS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Configure alarm, safety, and warning systems
E4	CORE	Configure auxiliary air and cooling water systems
E4	CORE	Configure power conversion and distribution systems
E4	CORE	Configure ventilation systems and components (e.g., ventilation dampers, fan coil assemblies, control panels, etc.)
E4	CORE	Perform preventive maintenance on alarm, safety, and warning systems
E4	CORE	Perform preventive maintenance on auxiliary air and cooling water systems
E4	CORE	Perform preventive maintenance on power conversion and distribution systems
E4	CORE	Perform preventive maintenance on ventilation systems and components (e.g., ventilation dampers, fan coil assemblies, control panels, etc.)
E4	CORE	Repair alarm, safety, and warning systems
E4	CORE	Repair auxiliary air and cooling water systems
E4	CORE	Repair power conversion and distribution systems
E4	CORE	Repair ventilation systems and components (e.g., ventilation dampers, fan coil assemblies, control panels, etc.)
E4	CORE	Test alarm, safety, and warning systems
E4	CORE	Test auxiliary air and cooling water systems
E4	CORE	Test power conversion and distribution systems
E4	CORE	Test ventilation systems and components (e.g., ventilation dampers, fan coil assemblies, control panels, etc.)
E4	CORE	Troubleshoot alarm, safety, and warning systems
E4	CORE	Troubleshoot auxiliary air and cooling water systems
E4	CORE	Troubleshoot power conversion and distribution systems
E4	CORE	Troubleshoot ventilation systems and components (e.g., ventilation dampers, fan coil assemblies, control panels, etc.)

COMPUTER SYSTEM ADMINISTRATION AND NETWORK SECURITY

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Configure network systems
E4	NON-CORE	Configure Operating Systems (OS)
E4	NON-CORE	Install Operating Systems (OS)
E5	CORE	Inventory combat and weapon systems software and firmware
E4	CORE	Maintain combat and weapon systems accounts
E4	NON-CORE	Maintain network audit logs
E4	CORE	Maintain network security
E6	CORE	Manage combat and weapon systems software and firmware installations and updates
E6	CORE	Manage network security
E4	CORE	Perform preventive maintenance on network systems

COMPUTER SYSTEM ADMINISTRATION AND NETWORK SECURITY (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Provide combat and weapon systems software and firmware installation and update assistance
E4	CORE	Repair network systems
E5	CORE	Supervise combat and weapon systems software and firmware installations and updates
E5	CORE	Supervise network security
E4	CORE	Test network systems
E4	CORE	Troubleshoot network systems
E4	NON-CORE	Troubleshoot Operating Systems (OS)

CREW-SERVED WEAPONS, SMALL ARMS, AND PHYSICAL SECURITY

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Conduct Anti-Terrorism (AT) assessments
E4	NON-CORE	Conduct Visit Board Search and Seizure (VBSS) operations
E4	NON-CORE	Configure crew-served weapon mounts and stands
E4	NON-CORE	Configure small arms (e.g., grenade, line throwing, etc.)
E4	NON-CORE	Configure Visit Board Search and Seizure (VBSS) equipment
E4	CORE	Engage targets with crew-served weapons
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.)
E6	NON-CORE	Manage small arms qualification programs
E7	NON-CORE	Manage Visit Board Search and Seizure (VBSS) operations
E4	CORE	Mount crew-served weapons
E4	CORE	Perform preventive maintenance on crew-served weapons
E4	CORE	Perform preventive maintenance on small arms
E4	NON-CORE	Repair crew-served weapon mounts and stands
E4	NON-CORE	Repair crew-served weapons
E4	NON-CORE	Repair small arms
E4	NON-CORE	Repair Visit Board Search and Seizure (VBSS) equipment
E6	NON-CORE	Supervise Visit Board Search and Seizure (VBSS) operations
E4	CORE	Test crew-served weapon mounts and stands
E4	CORE	Test crew-served weapons
E4	CORE	Test small arms
E4	NON-CORE	Test Visit Board Search and Seizure (VBSS) equipment
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

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

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Transport weapons
E4	NON-CORE	Troubleshoot crew-served weapon mounts and stands
E4	NON-CORE	Troubleshoot crew-served weapons
E4	NON-CORE	Troubleshoot small arms
E4	NON-CORE	Troubleshoot Visit Board Search and Seizure (VBSS) equipment
E4	CORE	Unmount crew-served weapons

EQUIPMENT ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Analyze combat and weapon systems data
E4	CORE	Collect system performance data
E4	CORE	Collect system status data
E4	CORE	Conduct Combat Systems Alignments (CSA)
E4	CORE	Conduct equipment validations
E6	CORE	Develop Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E4	CORE	Document system statuses
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 combat and weapon systems test equipment
E4	CORE	Inventory controlled equipment
E5	CORE	Inventory Maintenance Assistance Modules (MAM)
E5	CORE	Maintain preventive maintenance documents
E4	CORE	Maintain system status logs
E5	CORE	Manage combat and weapon systems test equipment
E6	CORE	Manage Combat Systems Alignment (CSA) evolutions
E6	CORE	Manage controlled equipment
E6	CORE	Manage equipment material certifications and recertifications
E5	NON-CORE	Manage tactical data recordings
E4	CORE	Perform Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
E5	CORE	Process equipment validations
E4	CORE	Provide equipment installation and alteration assistance
E4	CORE	Provide equipment material certifications and recertifications assistance
E4	NON-CORE	Record tactical data
E5	CORE	Supervise controlled equipment inventories
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 equipment material certifications and recertifications

EQUIPMENT ADMINISTRATION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
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

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Align radar systems
E4	CORE	Configure computer and peripheral systems
E4	NON-CORE	Configure data links
E4	CORE	Configure display systems
E4	CORE	Configure gun weapon systems
E4	CORE	Configure missile delivery systems
E4	CORE	Configure radar systems
E4	CORE	Configure weapon systems optics
E4	CORE	Perform preventive maintenance on computer and peripheral systems
E4	NON-CORE	Perform preventive maintenance on data links
E4	CORE	Perform preventive maintenance on display systems
E4	CORE	Perform preventive maintenance on gun weapon systems
E4	CORE	Perform preventive maintenance on missile delivery systems
E4	CORE	Perform preventive maintenance on radar systems
E4	CORE	Perform preventive maintenance on weapon systems optics
E4	CORE	Repair computer and peripheral systems
E4	NON-CORE	Repair data links
E4	CORE	Repair display systems
E4	CORE	Repair gun weapon systems
E4	CORE	Repair missile delivery systems
E4	CORE	Repair radar systems
E4	CORE	Repair weapon systems optics
E4	CORE	Test computer and peripheral systems
E4	NON-CORE	Test data links
E4	CORE	Test display systems
E4	CORE	Test gun weapon systems
E4	CORE	Test missile delivery systems
E4	CORE	Test radar systems
E4	CORE	Test weapon systems optics
E4	CORE	Troubleshoot computer and peripheral systems
E4	NON-CORE	Troubleshoot data links
E4	CORE	Troubleshoot display systems

FIRE CONTROL SYSTEMS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Troubleshoot gun weapon systems
E4	CORE	Troubleshoot missile delivery systems
E4	CORE	Troubleshoot radar systems
E4	CORE	Troubleshoot weapon systems optics

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Activate magazine sprinkler systems
E4	CORE	Conduct gun weapon systems uploading and downloading
E4	CORE	Conduct missile delivery systems uploading and downloading
E4	CORE	Conduct ordnance handling evolutions
E4	CORE	Configure magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	NON-CORE	Configure Material Handling Equipment (MHE)
E4	CORE	Configure Ordnance Handling Equipment (OHE)
E5	CORE	Coordinate Material Handling Equipment (MHE) testing
E5	CORE	Coordinate Ordnance Handling Equipment (OHE) testing
E6	CORE	Coordinate weapons casualty evolutions
E4	CORE	Deactivate magazine sprinkler systems
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
E6	CORE	Manage ordnance handling evolutions
E6	CORE	Manage ordnance handling qualification programs
E6	CORE	Manage ordnance inventories
E6	CORE	Manage ordnance magazine and locker inspections
E6	CORE	Manage ordnance stowage
E6	CORE	Monitor ordnance handling evolutions (Quality Assurance Safety Observer (QASO))
E4	CORE	Pack ordnance
E4	CORE	Perform Material Handling Equipment (MHE) operations
E4	CORE	Perform Ordnance Handling Equipment (OHE) operations
E4	CORE	Perform preventive maintenance on magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	CORE	Perform preventive maintenance on magazine sprinkler systems
E4	CORE	Perform preventive maintenance on Material Handling Equipment (MHE)
E4	CORE	Perform preventive maintenance on Ordnance Handling Equipment (OHE)
E4	CORE	Perform preventive maintenance on weapons hoists
E4	CORE	Perform weapons casualty procedures
E4	CORE	Perform weapons hoist operations

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	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	CORE	Repair ordnance magazines and lockers
E4	NON-CORE	Repair weapons hoists
E4	CORE	Stow ordnance
E5	CORE	Supervise gun weapon systems uploading and downloading
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 magazine and locker inspections
E5	CORE	Supervise ordnance stowage
E5	CORE	Supervise weapons casualty evolutions
E4	CORE	Test magazine equipment (e.g., battens, stanchions, alarms, etc.)
E4	CORE	Test magazine sprinkler systems
E4	CORE	Test Material Handling Equipment (MHE)
E4	CORE	Test Ordnance Handling Equipment (OHE)
E4	CORE	Test weapons hoists
E6	CORE	Transfer custody of ordnance
E4	CORE	Transport small arms ordnance
E4	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

STRIKE WARFARE (STW) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	NON-CORE	Analyze Operational Orders (OPORD) and pre-assigned fire mission messages
E4	NON-CORE	Create strike weapon plans and plots
E4	NON-CORE	Deliver deliberate fires support with strike weapons
E4	NON-CORE	Deliver dynamic fires support with strike weapons
E5	NON-CORE	Draft post strike execution reports
E4	NON-CORE	Perform strike weapon deconflictions
E4	NON-CORE	Select ordnance for dynamic and deliberate strike operations

SURFACE WARFARE (SUW) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze surface contacts
E6	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
E6	CORE	Coordinate engagement of surface targets with anti-surface weapons
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 weapons
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 (e.g., course changes, weapon limitations, etc.)
E6	CORE	Recommend Surface Warfare (SUW) search and engagement plans
E4	CORE	Report surface contacts
E4	CORE	Report surface engagement Battle Damage Assessments (BDA)
E4	CORE	Track surface contacts
E6	CORE	Update surface contact information

TECHNICAL CORE FUNDAMENTALS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Align valves
E4	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 and weapon systems equipment
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E4	NON-CORE	Configure power supplies
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Control Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) effects on electronic systems
E5	CORE	Manage Combat Systems Operational Sequencing System (CSOSS) operations
E6	CORE	Manage safety programs and instructions (e.g., aloft, electrical equipment, etc.)
E5	CORE	Manage technical manuals
E4	NON-CORE	Perform basic soldering on electrical and electronic equipment

TECHNICAL CORE FUNDAMENTALS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
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 combat and weapon systems
E4	CORE	Perform preventive maintenance on Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Perform preventive maintenance on Alternating Current (AC) circuits
E4	CORE	Perform preventive maintenance on digital circuits
E4	CORE	Perform preventive maintenance on Direct Current (DC) circuits
E4	CORE	Perform preventive maintenance on electromechanical (synchro/servo) systems
E4	CORE	Perform preventive maintenance on interconnecting cables and connectors
E4	CORE	Perform preventive maintenance on power supplies
E4	CORE	Perform preventive maintenance on Radio Frequency (RF) circuits
E4	CORE	Perform preventive maintenance on valves
E4	CORE	Repair Alternating Current (AC) circuits
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
E4	NON-CORE	Repair power supplies
E4	CORE	Repair Radio Frequency (RF) circuits
E4	CORE	Repair valves
E4	CORE	Replace Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Replace interconnecting cables and connectors
E4	CORE	Replace power supplies
E4	CORE	Test Alternating Current (AC) and Direct Current (DC) motors
E4	CORE	Test Alternating Current (AC) circuits
E4	CORE	Test digital circuits
E4	CORE	Test Direct Current (DC) circuits
E4	CORE	Test electromechanical (synchro/servo) systems
E4	NON-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) and Direct Current (DC) motors
E4	CORE	Troubleshoot Alternating Current (AC) circuits
E4	CORE	Troubleshoot digital circuits
E4	CORE	Troubleshoot Direct Current (DC) circuits
E4	CORE	Troubleshoot electromechanical (synchro/servo) systems

TECHNICAL CORE FUNDAMENTALS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
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>
E5	CORE	Activate combat systems doctrine statements
E4	CORE	Analyze combat and weapon systems equipment statuses
E4	CORE	Analyze tactical operations data
E4	CORE	Analyze threat weapons data
E5	CORE	Brief tactical, operational, and situational status reports
E4	NON-CORE	Calculate environmental range predictions
E4	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E4	CORE	Configure Combat Information Center (CIC)/Combat Direction Center (CDC) systems for special evolutions (e.g., Pre-action Aim Calibration (PAC) fire, missile exercises, etc.)
E4	CORE	Configure 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	CORE	Configure external communication networks
E4	CORE	Configure internal communications networks
E4	CORE	Configure systems to Commanding Officer's (CO) battle orders
E7	CORE	Coordinate configurations 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 training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E4	NON-CORE	Derive requirements from Operational Orders (OPORD) and pre-assigned fire mission messages
E5	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E6	CORE	Direct execution of warfare commander's intentions
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E4	CORE	Interpret Naval messages
E4	CORE	Make operational and situational reports
E6	CORE	Manage combat and weapon systems operations in port
E6	CORE	Manage combat and weapon systems operations underway
E6	CORE	Manage Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness

WATCH TEAM OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
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 doctrine statements
E6	CORE	Manage combat systems during casualty conditions
E6	CORE	Manage combat systems watch teams
E6	CORE	Manage configurations 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	Manage configurations of combat systems for Emission Control (EMCON) conditions
E4	NON-CORE	Manage database information
E6	CORE	Manage personnel qualification and certification programs
E6	CORE	Manage transitions of combat and weapon systems between conditions of readiness
E5	CORE	Perform external communications (ship-to-ship, ship-to-shore, and ship-to-air)
E4	CORE	Perform Pre-Planned Responses (PPR)
E4	CORE	Repair external communication networks
E4	CORE	Repair internal communications networks
E4	CORE	Report assignment and engagement statuses of own ship's weapons systems
E4	CORE	Report combat and weapon systems equipment statuses
E4	CORE	Set Emission Control (EMCON) conditions
E5	CORE	Supervise combat and weapon systems operations in port
E5	CORE	Supervise combat and weapon systems operations underway
E5	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
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 during casualty conditions
E5	CORE	Supervise combat systems watch teams
E5	CORE	Supervise configurations 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 configurations of combat systems for Emission Control (EMCON) conditions
E5	CORE	Supervise personnel qualification and certification programs
E5	CORE	Supervise transitions of combat and weapon systems between conditions of readiness
E4	CORE	Test external communication networks
E4	CORE	Test internal communications networks
E4	CORE	Transition combat and weapon systems between conditions of readiness
E4	CORE	Troubleshoot external communication networks

WATCH TEAM OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Troubleshoot internal communications networks
E4	CORE	Update plotting and status boards
E4	CORE	Verify Emission Control (EMCON) statuses
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 and 7XXX series and other NECs as assigned

Job Description

Fire Control Administrators advise leadership in multi-dimensional warfare planning and execution; manage and supervise the operation and maintenance of combat and weapons systems in both tactical and training environments; collect and validate data from various shipboard systems to maintain combat readiness; plan and evaluate weapon systems 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 Personnel Resources**Management of Material Resources**Quality Control Analysis**Coordination**Monitoring**Reading Comprehension**Operation and Control**Critical Thinking**Judgment and Decision Making**Writing***Abilities***Problem Sensitivity**Written Comprehension**Information Ordering**Oral Expression**Inductive Reasoning**Written Expression**Speed of Closure**Deductive Reasoning**Originality**Selective Attention***AIR WARFARE (AW) OPERATIONS****Paygrade****Task Type****Task Statements**

E6

CORE

Analyze Air Defense (AD) intelligence data

E6

CORE

Assign air contact priorities

E6

CORE

Classify air contacts

E6

CORE

Coordinate engagement of air targets with anti-air weapons

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

E6

CORE

Recommend Air Defense (AD) search and engagement plans

E6

CORE

Update air contact information

COMPUTER SYSTEM ADMINISTRATION AND NETWORK SECURITY**Paygrade****Task Type****Task Statements**

E6

CORE

Audit combat and weapon systems accounts

E7

CORE

Coordinate combat and weapon systems software and firmware installations and updates

E5

CORE

Inventory combat and weapon systems software and firmware

E7

CORE

Manage combat and weapon systems accounts

E6

CORE

Manage combat and weapon systems software and firmware installations and updates

E6

CORE

Manage network security

COMPUTER SYSTEM ADMINISTRATION AND NETWORK SECURITY (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Supervise combat and weapon systems software and firmware installations and updates
E5	CORE	Supervise network security

CREW-SERVED WEAPONS, SMALL ARMS, AND PHYSICAL SECURITY

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Conduct Anti-Terrorism (AT) assessments
E7	NON-CORE	Coordinate Anti-Terrorism (AT) assessments
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.)
E6	NON-CORE	Manage small arms qualification programs
E7	NON-CORE	Manage Visit Board Search and Seizure (VBSS) operations
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>
E5	CORE	Analyze combat and weapon systems data
E7	CORE	Approve equipment installations, testing, and alterations
E7	CORE	Coordinate Combat Systems Alignment (CSA) evolutions
E7	CORE	Coordinate equipment installations, testing, and alterations
E7	CORE	Coordinate equipment material certifications and recertifications
E6	CORE	Develop Emergency Action Plans (EAP) and Emergency Destruction Plans (EDP)
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
E5	CORE	Inventory Maintenance Assistance Modules (MAM)
E5	CORE	Maintain preventive maintenance documents
E5	CORE	Manage combat and weapon systems test equipment
E6	CORE	Manage Combat Systems Alignment (CSA) evolutions
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 material certifications and recertifications
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

EQUIPMENT ADMINISTRATION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Process equipment validations
E5	CORE	Supervise controlled equipment inventories
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 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	Validate implementation of technical briefs, notices, and bulletins
E6	CORE	Verify equipment installations, testing, and alterations
E7	CORE	Verify equipment material certifications and recertifications
E7	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
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
E6	CORE	Manage gun weapon systems uploading and downloading
E6	CORE	Manage missile delivery systems uploading and downloading
E6	CORE	Manage ordnance handling evolutions
E6	CORE	Manage ordnance handling qualification programs
E6	CORE	Manage ordnance inventories
E6	CORE	Manage ordnance magazine and locker inspections
E6	CORE	Manage ordnance stowage
E6	CORE	Monitor ordnance handling evolutions (Quality Assurance Safety Observer (QASO))
E7	CORE	Report ordnance discrepancies (e.g., Conventional Ordnance Deficiency Report (CODR))
E7	CORE	Supervise magazine sprinkler systems testing
E5	CORE	Supervise Material Handling Equipment (MHE) testing
E5	CORE	Supervise Ordnance Handling Equipment (OHE) testing
E6	CORE	Transfer custody of ordnance

STRIKE WARFARE (STW) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	NON-CORE	Analyze Operational Orders (OPORD) and pre-assigned fire mission messages
E7	NON-CORE	Conduct dynamic and deliberate fires weaponeering
E7	NON-CORE	Coordinate deliberate fires support engagements with strike weapons
E7	NON-CORE	Coordinate dynamic and deliberate post fires support
E7	NON-CORE	Coordinate dynamic fires support engagements with strike weapons
E7	NON-CORE	Coordinate strike weapon deconflictions
E5	NON-CORE	Draft post strike execution reports
E7	NON-CORE	Submit post strike execution reports
E7	NON-CORE	Validate strike weapon plans and plots

SURFACE WARFARE (SUW) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Analyze Surface Warfare (SUW) intelligence data
E6	CORE	Assign surface contact priorities
E6	CORE	Classify surface contacts
E6	CORE	Compare surface weapons targeting solutions
E6	CORE	Coordinate engagement of surface targets with anti-surface weapons
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
E6	CORE	Recommend Surface Warfare (SUW) search and engagement plans
E6	CORE	Update surface contact information

TECHNICAL CORE FUNDAMENTALS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
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	Activate combat systems doctrine statements
E5	CORE	Brief tactical, operational, and situational status reports
E7	CORE	Coordinate combat and weapon systems operations in port
E7	CORE	Coordinate combat and weapon systems operations underway
E7	CORE	Coordinate Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
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 during casualty conditions
E7	CORE	Coordinate combat systems watch teams
E7	CORE	Coordinate configurations 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)

WATCH TEAM OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Coordinate configurations of combat systems for Emission Control (EMCON) conditions
E7	CORE	Coordinate personnel qualification and certification programs
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E7	CORE	Coordinate transitions of combat and weapon systems between conditions of readiness
E7	CORE	Develop combat systems doctrine statements
E5	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E6	CORE	Direct execution of warfare commander's intentions
E5	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), Anti-Terrorism Training Teams (ATTT), etc.)
E6	CORE	Manage combat and weapon systems operations in port
E6	CORE	Manage combat and weapon systems operations underway
E6	CORE	Manage Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
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 doctrine statements
E6	CORE	Manage combat systems during casualty conditions
E6	CORE	Manage combat systems watch teams
E6	CORE	Manage configurations 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	Manage configurations of combat systems for Emission Control (EMCON) conditions
E6	CORE	Manage personnel qualification and certification programs
E6	CORE	Manage transitions of combat and weapon systems between conditions of readiness
E5	CORE	Perform external communications (ship-to-ship, ship-to-shore, and ship-to-air)
E5	CORE	Supervise combat and weapon systems operations in port
E5	CORE	Supervise combat and weapon systems operations underway
E5	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) watch team readiness
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 during casualty conditions
E5	CORE	Supervise combat systems watch teams
E5	CORE	Supervise configurations 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)

WATCH TEAM OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Supervise configurations of combat systems for Emission Control (EMCON) conditions
E5	CORE	Supervise personnel qualification and certification programs
E5	CORE	Supervise transitions of combat and weapon systems between conditions of readiness
E7	CORE	Validate combat systems doctrine statements
E5	CORE	Verify systems configurations to Commanding Officer's (CO) battle orders