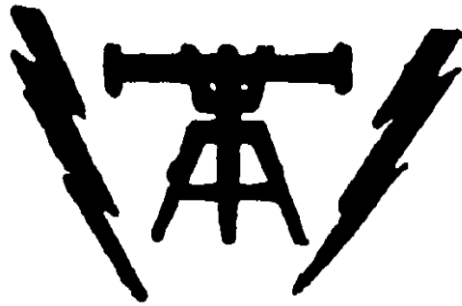


CHAPTER 34



FIRE CONTROLMAN (FC)

NAVPERS 18068-34I
Change 93

Updated: January 2023

TABLE OF CONTENTS
FIRE CONTROLMAN (FC)

SCOPE OF RATING	FC-3
GENERAL INFORMATION	FC-4
FIRE CONTROLMAN	FC-5
AIR WARFARE (AW) OPERATIONS	FC-5
AUXILIARY AND SUPPORT SYSTEMS	FC-6
CREW-SERVED WEAPONS, SMALL ARMS, AND SECURITY	FC-6
EQUIPMENT ADMINISTRATION	FC-6
FIRE CONTROL SYSTEMS	FC-7
NAVAL SURFACE FIRE SUPPORT (NSFS) OPERATIONS	FC-8
ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS	FC-8
SURFACE WARFARE (SUW) OPERATIONS	FC-9
TECHNICAL CORE FUNDAMENTALS	FC-10
WATCH TEAM OPERATIONS	FC-11
FIRE CONTROL ADMINISTRATOR	FC-13
AIR WARFARE (AW) OPERATIONS	FC-13
CREW-SERVED WEAPONS, SMALL ARMS, AND SECURITY	FC-13
EQUIPMENT ADMINISTRATION	FC-14
FIRE CONTROL SYSTEMS	FC-15
NAVAL SURFACE FIRE SUPPORT (NSFS) OPERATIONS	FC-15
ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS	FC-15
SURFACE WARFARE (SUW) OPERATIONS	FC-16
TECHNICAL CORE FUNDAMENTALS	FC-16
WATCH TEAM OPERATIONS	FC-16

NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

FIRE CONTROLMAN (FC)



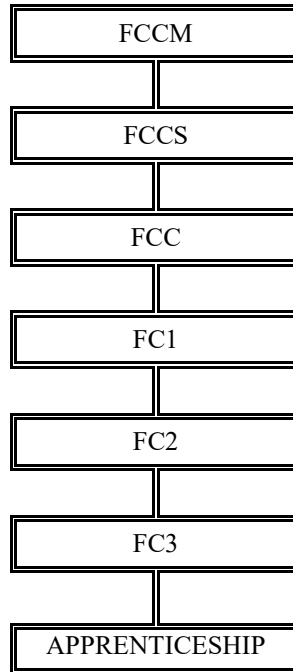
SCOPE OF RATING

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.

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****Paygrade****Task Type****Task Statements**

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)

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

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

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

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

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

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

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

NAVAL SURFACE FIRE SUPPORT (NSFS) OPERATIONS

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

<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
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)

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