

# CHAPTER 59



## OPERATIONS SPECIALIST (OS)

NAVPERS 18068-59G  
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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

OPERATIONS SPECIALIST (OS)



SCOPE OF RATING

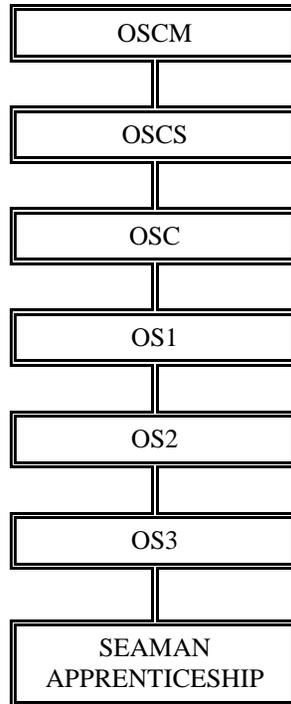
Operations Specialists (OS) advise on shipboard warfare operations and navigation; maintain Combat Information Center (CIC)/Combat Direction Center (CDC) displays and provide strategic plotting for warfare areas, weapons control and navigation; operate surveillance radars, identification equipment, communications equipment, and associated Command and Control equipment; interpret and evaluate radar presentations and tactical situations and make recommendations to senior leadership; apply current procedures and doctrine to CIC/CDC operations as specified by Joint/Allied/U.S. Navy publications and instructions; and display and disseminate tactical information during Surface Warfare (SUW), Air Warfare (AW), Undersea Warfare (USW), Amphibious Warfare (AMW), Mine Warfare (MIW), Littoral Warfare (LW), Naval Surface Fire Support (NSFS), Ballistic Missile Defense (BMD), and Search and Rescue (SAR) operations.

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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 59.

## 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****Combat Air Controller****Job Code****003738****Job Family**

Military Specific

**NOC**

TBD

**Short Title (30 Characters)**

COMBAT AIR CONTROLLER

**Short Title (14 Characters)**

COM AIR CTRLR

**Pay Plan**

Enlisted

**Career Field**

OS

**Other Relationships and Rules**

NEC 0318, 0319, 0324, 0327, and 0328

**Job Description**

Combat Air Controllers control assigned aircraft in simple or multiple warfare environments by using radios, radars, and other means; control fixed wing and/or rotary aircraft from land, carrier-based, or own ship's assets; provide safety of flight, passing of information, directions, and necessary assistance to aircraft in the event of emergencies; and utilize assigned aircraft as an extension of own ship's weapons.

**DoD Relationship****O\*NET Relationship****Group Title**

Radar

**DoD Code**

122100

**Occupation Title**Command and Control Center  
Specialists**SOC Code**

55-3015.00

**Job Family**

Military Specific

**Skills**

Complex Problem Solving  
Critical Thinking  
Judgment and Decision Making  
Reading Comprehension  
Monitoring  
Operation and Control  
Active Learning  
Equipment Selection  
Coordination  
Speaking

**Abilities**

Information Ordering  
Inductive Reasoning  
Deductive Reasoning  
Problem Sensitivity  
Written Comprehension  
Speech Clarity  
Control Precision  
Finger Dexterity  
Reaction Time  
Category Flexibility

**AIR WARFARE (AW) OPERATIONS****Paygrade****Task Type****Task Statements**

E4	CORE	Analyze air Contacts of Interest (COI)
E4	CORE	Assess air contact priorities
E4	CORE	Assign symbology to air contacts
E4	CORE	Assist shipboard defense against airborne threats
E4	CORE	Conduct shipboard defense against airborne threats
E4	CORE	Determine air contact classifications
E4	CORE	Evaluate air contact information
E4	CORE	Input Air Defense (AD) fire control parameters
E4	CORE	Interpret symbology of air contacts
E4	CORE	Maintain aeronautical charts and publications
E7	CORE	Make battle group operation requirement recommendations (e.g. Air Defense (AD), Ballistic Missile Defense (BMD), Surface Warfare (SUW), etc.)
E7	CORE	Manage aircraft emergency situations
E4	NON-CORE	Manage aircraft mission plans
E6	CORE	Manage shipboard Air Defense (AD) operations
E7	CORE	Plan Air Defense (AD) operations
E5	NON-CORE	Provide tactical information to aircraft (e.g. weapons condition and status, Fleet Air Defense Identification Zone (FADIZ), waypoints, etc.)
E5	NON-CORE	Recommend Air Defense (AD) engagement tactics
E7	CORE	Recommend Air Defense (AD) plans
E4	CORE	Relay 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	Relay alert aircraft status
E4	CORE	Report air Contacts of Interest (COI)
E5	CORE	Report air engagement Battle Damage Assessments (BDA)
E4	CORE	Report return to force assets
E4	CORE	Review Air Defense (AD) intelligence documents
E4	CORE	Review Air Defense (AD) plans
E6	NON-CORE	Supervise air control operations
E5	CORE	Supervise aircraft emergency situations
E4	CORE	Track air Contacts of Interest (COI)
E4	CORE	Update air contact information
E4	NON-CORE	Update controlled aircraft status

### AMPHIBIOUS WARFARE (AMW) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Provide support information to aircraft (e.g. safety of flight, advisory control, amphibious mission support, etc.)

### COMMUNICATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Authenticate tactical signals
E4	CORE	Decode tactical signals
E6	CORE	Develop communication plans
E4	CORE	Encode tactical signals
E4	CORE	Log external tactical communications
E7	NON-CORE	Make operational and situational reports (e.g. Air Defense (AD), Ballistic Missile Defense (BMD), Sea Combat Commander (SCC), etc.)
E4	CORE	Perform external communications (ship-to-ship, ship-to-shore, ship-to-air)
E4	CORE	Record tactical communications (internal, external)
E4	CORE	Test Combat Information Center (CIC)/Combat Direction Center (CDC) communication systems

### ELECTRONIC SYSTEMS OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Configure automatic tracking features
E5	CORE	Configure Command, Control, Computer, Communication, and Intelligence (C4I) systems for operations (watch, prosecution, weapons employment)
E4	CORE	Configure Identification Friend or Foe (IFF) equipment
E4	CORE	Configure informational display systems
E4	CORE	Configure Tactical Display System (TDS) for operations
E4	NON-CORE	Establish data links (dual-net multi-frequency data links and multi-frequency links)
E4	CORE	Evaluate radar performance
E4	CORE	Evaluate Tactical Display Systems (TDS) information
E4	CORE	Identify emergency signals
E4	NON-CORE	Initiate link communications

## ELECTRONIC SYSTEMS OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Load waypoints and tracks into electronic charting systems
E4	NON-CORE	Manage databases (e.g. link, Global Command and Control System (GCCS), Air Defense Systems Integrator (ADSI), etc.)
E6	CORE	Manage Tactical Display System (TDS) operations
E4	CORE	Monitor radar performance at Remote Control Panels (RCP)
E4	CORE	Perform link track correlations
E4	CORE	Resolve identification conflicts
E5	CORE	Supervise command and control systems operations
E5	CORE	Supervise Tactical Display System (TDS) operations
E4	CORE	Verify friendly and hostile tracks
E4	CORE	Verify Identification Friend or Foe (IFF) information

## NAVIGATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Correlate lookout information with radar presentations

## SEARCH AND RESCUE (SAR) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Plot distress signals, bearings, and ranges
E4	CORE	Plot search areas for maritime Search and Rescue (SAR) operations
E5	NON-CORE	Provide Search and Rescue (SAR) approaches for aircraft
E4	CORE	Provide Search and Rescue (SAR) operation recommendations

## SURFACE WARFARE (SUW) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Assign surface contact priorities
E4	CORE	Assign symbology to surface contacts
E6	CORE	Compare surface weapons targeting solutions
E6	CORE	Conduct shipboard defense against surface threats
E4	CORE	Determine surface contact classifications
E4	NON-CORE	Engage surface targets with harpoon weapon systems
E4	CORE	Evaluate surface Contacts of Interest (COI)
E4	CORE	Interpret symbology of surface contacts
E6	CORE	Make ship's movement recommendations to intercept Contacts of Interest (COI)
E7	CORE	Manage battle group Surface Warfare (SUW) operations
E4	CORE	Plot surface contact information
E6	CORE	Recommend Surface Warfare (SUW) engagement tactics
E7	CORE	Recommend Surface Warfare (SUW) search and attack plans
E4	CORE	Report surface Contacts of Interest (COI)
E4	CORE	Report surface engagement Battle Damage Assessments (BDA)
E4	CORE	Review Surface Warfare (SUW) intelligence documents
E4	CORE	Track surface Contacts of Interest (COI)
E4	CORE	Update surface contact information

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

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Utilize air assets for search and attack plans (Surface Warfare (SUW), Undersea Warfare (USW))
E5	CORE	Verify surface contact classifications
E6	CORE	Verify Surface Warfare (SUW) targeting data

### TACTICAL SUPPORT OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Report visual information
E6	CORE	Verify extracted information from operational tasking (e.g. Operational Orders (OPORDS), Operations Schedules (OPSKED), Operational Taskings (OPTASK), etc.)

### TECHNICAL ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Extract required information from Naval messages
E4	CORE	Inventory Communications Security Material System (CMS) classified material
E4	CORE	Maintain Combat Information Center (CIC)/Combat Direction Center (CDC) watch logs
E5	CORE	Verify message formats

### UNDERSEA WARFARE (USW) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Evaluate undersea contact information
E7	CORE	Evaluate Undersea Warfare (USW) plots
E4	CORE	Plot Undersea Warfare (USW) symbology
E5	CORE	Recommend Undersea Warfare (USW) search and attack plans
E5	CORE	Review Undersea Warfare (USW) plots
E5	NON-CORE	Utilize air assets for Undersea Warfare (USW) search and attack plans

### WATCH TEAM OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Adjust operating mode of systems (training, normal operation)
E4	CORE	Configure systems to Commanding Officer's (CO) orders
E4	CORE	Disseminate tactical information
E4	CORE	Monitor assignment and engagement status of own ship's weapons systems
E4	CORE	Prepare Combat Information Center (CIC)/Combat Direction Center (CDC) for special evolutions
E6	CORE	Review Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines
E4	NON-CORE	Review Rules of Engagement (ROE)
E4	NON-CORE	Review tactical operations data
E4	CORE	Review threat weapons data
E4	NON-CORE	Review Warfare Commander's messages and intentions
E4	NON-CORE	Review watch-related operational references
E5	CORE	Supervise equipment alignments according to Emission Control (EMCON) plans

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

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	NON-CORE	Transition Combat Information Center (CIC)/Combat Direction Center (CDC) between conditions of readiness
E4	CORE	Verify equipment alignment according to Emission Control (EMCON) plans
E5	CORE	Verify systems alignment to Commanding Officer's (CO) tactical orders

**Job Title****Navigation And Plotting Specialist****Job Code****003739****Job Family**

Military Specific

**NOC**

TBD

**Short Title (30 Characters)**

NAVIGATION AND PLOTTING SPEC

**Short Title (14 Characters)**

NAV PLOT SPEC

**Pay Plan**

Enlisted

**Career Field**

OS

**Other Relationships and Rules**

As assigned to Job

**Job Description**

Navigation and Plotting Specialists provide assistance to the Navigation Officer ensuring the safe navigation of the ship for inland and open ocean navigation; calculate and compute maneuvering boards for safe navigation around shipping contacts; and maintain various displays and plots to include, but not limited to Search and Rescue (SAR) operations, Amphibious Warfare (AMW), Undersea Warfare (USW), Naval Surface Fire Support (NSFS), and Surface Warfare (SUW) plots, navigation, weather, and anchoring operations.

**DoD Relationship**Group Title

Radar

DoD Code

122100

**O\*NET Relationship**Occupation Title

Command and Control Center Specialists

SOC Code

55-3015.00

Job Family

Military Specific

**Skills**

Writing

Mathematics

Reading Comprehension

Active Learning

Quality Control Analysis

Complex Problem Solving

Coordination

Monitoring

Active Listening

Critical Thinking

**Abilities**

Information Ordering

Problem Sensitivity

Manual Dexterity

Written Comprehension

Inductive Reasoning

Deductive Reasoning

Rate Control

Written Expression

Finger Dexterity

Mathematical Reasoning

**AIR WARFARE (AW) OPERATIONS****Paygrade**

E4

**Task Type**

CORE

**Task Statements**

Maintain aeronautical charts and publications

**AMPHIBIOUS WARFARE (AMW) OPERATIONS****Paygrade**

E4

**Task Type**

CORE

**Task Statements**

Calculate amphibious craft positions

E7

CORE

Manage ship-to-shore movements

E4

CORE

Plot Amphibious Objective Area (AOA) information

E4

CORE

Plot Amphibious Warfare (AMW) symbology

E4

CORE

Report ship-to-shore movements

E5

CORE

Supervise Amphibious Objective Area (AOA) plots

**COMMUNICATIONS****Paygrade**

E5

**Task Type**

CORE

**Task Statements**

Authenticate tactical signals

E4

CORE

Decode tactical signals

E4

CORE

Encode tactical signals

E4

CORE

Log external tactical communications

E7

NON-CORE

Make operational and situational reports (e.g. Air Defense (AD), Ballistic Missile Defense (BMD), Sea Combat Commander (SCC), etc.)

E4

CORE

Perform external communications (ship-to-ship, ship-to-shore, ship-to-air)

E4

CORE

Record tactical communications (internal, external)

E4

CORE

Test Combat Information Center (CIC)/Combat Direction Center (CDC) communication systems

### **ELECTRONIC SYSTEMS OPERATIONS**

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Configure Command, Control, Computer, Communication, and Intelligence (C4I) systems for operations (watch, prosecution, weapons employment)
E4	CORE	Configure informational display systems
E4	CORE	Configure Tactical Display System (TDS) for operations
E4	CORE	Evaluate Automatic Identification Systems (AIS) information
E4	CORE	Evaluate radar performance
E4	CORE	Evaluate Tactical Display Systems (TDS) information
E4	CORE	Identify emergency signals
E4	CORE	Load waypoints and tracks into electronic charting systems
E4	NON-CORE	Manage databases (e.g. link, Global Command and Control System (GCCS), Air Defense Systems Integrator (ADSI), etc.)
E6	CORE	Manage Tactical Display System (TDS) operations
E4	CORE	Monitor radar performance at Remote Control Panels (RCP)
E4	CORE	Resolve identification conflicts
E5	CORE	Supervise command and control systems operations
E5	CORE	Supervise Tactical Display System (TDS) operations
E4	CORE	Verify friendly and hostile tracks
E4	CORE	Verify Identification Friend or Foe (IFF) information

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

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	NON-CORE	Manage Naval Surface Fire Support (NSFS) teams
E6	CORE	Plan Naval Surface Fire Support (NSFS) engagements
E4	CORE	Plot friendly positions, lines, and no fire zones
E4	CORE	Plot targets using grid methods
E5	CORE	Supervise Naval Surface Fire Support (NSFS) plot teams

### **NAVIGATION**

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Calculate set and drift
E4	CORE	Calculate ship's position relative to Plan of Intended Movement (PIM)
E4	CORE	Compare fathometer readings with charts
E4	CORE	Compare lookout information with fix data
E4	CORE	Compare lookout information with navigation plots
E4	CORE	Compare radar scope presentations with charts
E4	CORE	Compute course and speed made good
E4	CORE	Correlate lookout information with radar presentations
E4	CORE	Maintain chart inventories
E7	CORE	Manage navigation teams during special evolutions (e.g. restricted waters, man overboard, straits transits, etc.)
E4	CORE	Plot anchorages
E4	CORE	Plot Dead Reckoning (DR) tracks
E4	CORE	Plot ship's advance and transfer

## NAVIGATION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Plot ship's position
E5	CORE	Plot ship's position during special evolutions (e.g. restricted waters, man overboard, straits transit, etc.)
E4	CORE	Plot ship's track
E4	CORE	Plot swept channels
E4	CORE	Plot swing and drag circles
E5	CORE	Recommend actions based on Navigation Rules and Regulations
E4	CORE	Report aids and hazards to navigation
E5	CORE	Report gyrocompass errors
E4	CORE	Report latitude and longitude from plotted positions on nautical charts
E6	CORE	Supervise anchoring operations from Combat Information Center (CIC)/Combat Direction Center (CDC)
E5	CORE	Verify plotting of swept channels

## SEARCH AND RESCUE (SAR) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Plot distress signals, bearings, and ranges
E4	CORE	Plot search areas for maritime Search and Rescue (SAR) operations
E4	CORE	Plot shipboard search patterns
E4	CORE	Provide man overboard information (e.g. bearing, distance, recovery options, etc.)
E5	NON-CORE	Provide Search and Rescue (SAR) approaches for aircraft
E4	CORE	Provide Search and Rescue (SAR) operation recommendations

## SURFACE WARFARE (SUW) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Evaluate surface Contacts of Interest (COI)
E4	CORE	Interpret symbology of surface contacts
E6	CORE	Make ship's movement recommendations to intercept Contacts of Interest (COI)
E4	CORE	Plot surface contact information
E4	CORE	Plot Surface Warfare (SUW) engagements
E4	CORE	Plot Surface Warfare (SUW) symbology
E4	CORE	Review Surface Warfare (SUW) intelligence documents
E5	CORE	Supervise surface plotting teams
E4	CORE	Track surface Contacts of Interest (COI)
E4	CORE	Update surface contact information

## TACTICAL SUPPORT OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Calculate advanced maneuvering board solutions (e.g. wind, scouting problems, station changes, etc.)
E4	CORE	Calculate basic maneuvering board solutions (e.g. avoidance courses, Closest Point of Approach (CPA), course/speed, etc.)
E4	CORE	Plot Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) areas
E4	CORE	Plot Electronic Warfare (EW) information

### TACTICAL SUPPORT OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Plot environmental conditions (e.g. true wind, weather, sea temperature, etc.)
E4	NON-CORE	Plot Mine Warfare (MIW) information
E4	CORE	Plot navigation requirements (e.g. Operational Orders (OPORDS), Operational Plans (OPLAN), Operational Taskings (OPTASK), etc.)
E4	CORE	Report audible information (e.g. distress signals, whistles, bells, etc.)
E4	CORE	Report visual information
E7	CORE	Review prepared charts
E4	CORE	Update fixed points on charts
E6	CORE	Validate plotted navigation requirements
E6	CORE	Verify extracted information from operational tasking (e.g. Operational Orders (OPORDS), Operations Schedules (OPSKED), Operational Taskings (OPTASK), etc.)

### TECHNICAL ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Extract required information from Naval messages
E4	CORE	Maintain Combat Information Center (CIC)/Combat Direction Center (CDC) watch logs
E4	CORE	Review deviations and variations
E5	CORE	Verify message formats

### UNDERSEA WARFARE (USW) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Evaluate undersea contact information
E7	CORE	Evaluate Undersea Warfare (USW) plots
E4	CORE	Perform Target Motion Analysis (TMA)
E4	CORE	Plot Undersea Warfare (USW) symbology
E5	CORE	Recommend evasive steering actions
E5	CORE	Recommend torpedo evasion actions
E5	CORE	Recommend Undersea Warfare (USW) search and attack plans
E5	CORE	Review Undersea Warfare (USW) plots
E5	NON-CORE	Utilize air assets for Undersea Warfare (USW) search and attack plans
E5	CORE	Validate Water Space Management (WSM) plans

### WATCH TEAM OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Adjust operating mode of systems (training, normal operation)
E4	CORE	Configure systems to Commanding Officer's (CO) orders
E6	CORE	Direct transition of Combat Information Center (CIC)/Combat Direction Center (CDC) between conditions of readiness
E4	CORE	Disseminate tactical information
E4	CORE	Prepare Combat Information Center (CIC)/Combat Direction Center (CDC) for special evolutions
E6	CORE	Review 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>
E4	NON-CORE	Review Rules of Engagement (ROE)
E4	NON-CORE	Review tactical operations data
E4	CORE	Review threat weapons data
E4	NON-CORE	Review Warfare Commander's messages and intentions
E4	NON-CORE	Review watch-related operational references
E6	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) during special evolutions
E5	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) watch team performance
E5	CORE	Supervise equipment alignments according to Emission Control (EMCON) plans
E4	NON-CORE	Transition Combat Information Center (CIC)/Combat Direction Center (CDC) between conditions of readiness
E4	CORE	Update plotting and status boards
E4	CORE	Verify equipment alignment according to Emission Control (EMCON) plans
E5	CORE	Verify systems alignment to Commanding Officer's (CO) tactical orders

**Job Title****Warfare Operator****Job Code****003740****Job Family**

Military Specific

**NOC**

TBD

**Short Title (30 Characters)**

WARFARE OPERATOR

**Short Title (14 Characters)**

WARFARE OPER

**Pay Plan**

Enlisted

**Career Field**

OS

**Other Relationships and Rules**

NECs as assigned to job

**Job Description**

Warfare Operators recommend defensive and offensive actions against air, surface, and subsurface threats to concerned command and control watch stations; coordinate data link operations, internal and external communications equipment; plot and report contact information; interpret and evaluate geographical, strategic and summary plots, and procedures to make recommendations to supervisors during watch conditions; gather, process, and disseminate information to various ship control stations; and operate up-to-date tactical and strategic warfare systems while coordinating warfare area situational awareness.

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

Radar

**DoD Code**

122100

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

Command and Control Center Specialists

**SOC Code**

55-3015.00

**Job Family**

Military Specific

**Skills***Complex Problem Solving**Critical Thinking**Monitoring**Reading Comprehension**Judgment and Decision Making**Operation and Control**Active Learning**Coordination**Writing**Speaking***Abilities***Information Ordering**Inductive Reasoning**Problem Sensitivity**Deductive Reasoning**Written Comprehension**Speech Clarity**Finger Dexterity**Manual Dexterity**Control Precision**Oral Expression***AIR WARFARE (AW) OPERATIONS****Paygrade****Task Type****Task Statements**

E4

CORE

Analyze air Contacts of Interest (COI)

E4

CORE

Assess air contact priorities

E4

CORE

Assign symbology to air contacts

E4

CORE

Assist shipboard defense against airborne threats

E4

CORE

Conduct shipboard defense against airborne threats

E4

CORE

Determine air contact classifications

E4

CORE

Evaluate air contact information

E4

CORE

Input Air Defense (AD) fire control parameters

E4

CORE

Interpret symbology of air contacts

E7

CORE

Make battle group operation requirement recommendations (e.g. Air Defense (AD), Ballistic Missile Defense (BMD), Surface Warfare (SUW), etc.)

E7

CORE

Manage aircraft emergency situations

E4

NON-CORE

Manage aircraft mission plans

E6

CORE

Manage shipboard Air Defense (AD) operations

E7

CORE

Plan Air Defense (AD) operations

E5

NON-CORE

Provide tactical information to aircraft (e.g. weapons condition and status, Fleet Air Defense Identification Zone (FADIZ), waypoints, etc.)

E5

NON-CORE

Recommend Air Defense (AD) engagement tactics

E7

CORE

Recommend Air Defense (AD) plans

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

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Relay air engagement Battle Damage Assessments (BDA)
E4	CORE	Relay alert aircraft status
E4	CORE	Report air Contacts of Interest (COI)
E5	CORE	Report air engagement Battle Damage Assessments (BDA)
E4	CORE	Report return to force assets
E4	CORE	Review Air Defense (AD) intelligence documents
E4	CORE	Review Air Defense (AD) plans
E6	NON-CORE	Supervise air control operations
E5	CORE	Supervise aircraft emergency situations
E4	CORE	Track air Contacts of Interest (COI)
E4	CORE	Update air contact information
E4	NON-CORE	Update controlled aircraft status

### **AMPHIBIOUS WARFARE (AMW) OPERATIONS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Calculate amphibious craft positions
E7	CORE	Manage ship-to-shore movements
E6	CORE	Plan amphibious operations
E4	CORE	Plot Amphibious Objective Area (AOA) information
E4	CORE	Plot Amphibious Warfare (AMW) symbology
E4	NON-CORE	Provide support information to aircraft (e.g. safety of flight, advisory control, amphibious mission support, etc.)
E4	CORE	Report ship-to-shore movements
E5	CORE	Supervise Amphibious Objective Area (AOA) plots

### **BALLISTIC MISSILE DEFENSE (BMD) OPERATIONS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Analyze space or ballistic Contacts of Interest (COI)
E4	CORE	Assign symbology to space or ballistic contacts
E4	CORE	Evaluate space or ballistic contact information
E4	CORE	Interpret symbology of space or ballistic contacts
E7	CORE	Manage shipboard Ballistic Missile Defense (BMD) operations
E6	CORE	Report space or ballistic Contacts of Interest (COI)
E4	CORE	Review Ballistic Missile Defense (BMD) intelligence documents
E4	CORE	Update space or ballistic contact information

### **COMMUNICATIONS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	CORE	Authenticate tactical signals
E4	CORE	Decode tactical signals
E6	CORE	Develop communication plans
E4	CORE	Encode tactical signals
E4	CORE	Log external tactical communications

### COMMUNICATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	NON-CORE	Make operational and situational reports (e.g. Air Defense (AD), Ballistic Missile Defense (BMD), Sea Combat Commander (SCC), etc.)
E5	CORE	Manage communication plans
E4	CORE	Perform external communications (ship-to-ship, ship-to-shore, ship-to-air)
E4	CORE	Record tactical communications (internal, external)
E4	CORE	Test Combat Information Center (CIC)/Combat Direction Center (CDC) communication systems

### ELECTRONIC SYSTEMS OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Configure Command, Control, Computer, Communication, and Intelligence (C4I) systems for operations (watch, prosecution, weapons employment)
E4	CORE	Configure Identification Friend or Foe (IFF) equipment
E4	CORE	Configure informational display systems
E4	CORE	Configure radars remotely
E4	CORE	Configure Tactical Display System (TDS) for operations
E4	NON-CORE	Coordinate data link operations
E4	NON-CORE	Establish data links (dual-net multi-frequency data links and multi-frequency links)
E4	CORE	Evaluate Automatic Identification Systems (AIS) information
E4	CORE	Evaluate radar performance
E4	CORE	Evaluate Tactical Display Systems (TDS) information
E4	CORE	Identify emergency signals
E4	NON-CORE	Initialize Data Terminal Sets (DTS)
E4	NON-CORE	Initialize databases (e.g. link, Global Command and Control System (GCCS), Air Defense Systems Integrator (ADSI), etc.)
E4	NON-CORE	Initiate link communications
E4	CORE	Load waypoints and tracks into electronic charting systems
E4	NON-CORE	Manage databases (e.g. link, Global Command and Control System (GCCS), Air Defense Systems Integrator (ADSI), etc.)
E4	NON-CORE	Manage Tactical Display System (TDS) interfaces
E6	CORE	Manage Tactical Display System (TDS) operations
E4	NON-CORE	Monitor link performance
E4	CORE	Monitor radar performance at Remote Control Panels (RCP)
E4	CORE	Perform link track correlations
E4	CORE	Resolve identification conflicts
E5	CORE	Supervise command and control systems operations
E5	CORE	Supervise Tactical Display System (TDS) operations
E4	CORE	Verify friendly and hostile tracks
E4	CORE	Verify Identification Friend or Foe (IFF) information

## NAVAL SURFACE FIRE SUPPORT (NSFS) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	NON-CORE	Manage Naval Surface Fire Support (NSFS) teams
E6	CORE	Plan Naval Surface Fire Support (NSFS) engagements
E4	CORE	Plot friendly positions, lines, and no fire zones
E4	CORE	Plot targets using grid methods
E5	CORE	Supervise Naval Surface Fire Support (NSFS) plot teams

## NAVIGATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Calculate ship's position relative to Plan of Intended Movement (PIM)
E4	CORE	Compare lookout information with navigation plots
E4	CORE	Correlate lookout information with radar presentations
E4	CORE	Plot ship's position
E5	CORE	Recommend actions based on Navigation Rules and Regulations
E4	CORE	Report aids and hazards to navigation
E5	CORE	Verify plotting of swept channels

## SEARCH AND RESCUE (SAR) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Plot distress signals, bearings, and ranges
E4	CORE	Plot search areas for maritime Search and Rescue (SAR) operations
E4	CORE	Plot shipboard search patterns
E4	CORE	Provide Search and Rescue (SAR) operation recommendations

## SURFACE WARFARE (SUW) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Assign surface contact priorities
E4	CORE	Assign symbology to surface contacts
E6	CORE	Compare surface weapons targeting solutions
E6	CORE	Conduct shipboard defense against surface threats
E4	CORE	Determine surface contact classifications
E4	NON-CORE	Engage surface targets with harpoon weapon systems
E4	CORE	Evaluate surface Contacts of Interest (COI)
E4	CORE	Interpret symbology of surface contacts
E6	CORE	Make ship's movement recommendations to intercept Contacts of Interest (COI)
E7	CORE	Manage battle group Surface Warfare (SUW) operations
E6	CORE	Manage shipboard Surface Warfare (SUW) operations
E4	CORE	Plot surface contact information
E4	CORE	Plot Surface Warfare (SUW) engagements
E4	CORE	Plot Surface Warfare (SUW) symbology
E6	CORE	Recommend Surface Warfare (SUW) engagement tactics
E7	CORE	Recommend Surface Warfare (SUW) search and attack plans
E4	CORE	Report surface Contacts of Interest (COI)
E4	CORE	Report surface engagement Battle Damage Assessments (BDA)
E4	CORE	Review Surface Warfare (SUW) intelligence documents

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

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Supervise surface plotting teams
E4	CORE	Track surface Contacts of Interest (COI)
E4	CORE	Update surface contact information
E5	NON-CORE	Utilize air assets for search and attack plans (Surface Warfare (SUW), Undersea Warfare (USW))
E5	CORE	Verify surface contact classifications
E6	CORE	Verify Surface Warfare (SUW) targeting data

### TACTICAL SUPPORT OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Plot Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) areas
E4	CORE	Plot Electronic Warfare (EW) information
E4	NON-CORE	Plot Mine Warfare (MIW) information
E4	CORE	Report audible information (e.g. distress signals, whistles, bells, etc.)
E6	CORE	Verify extracted information from operational tasking (e.g. Operational Orders (OPORDS), Operations Schedules (OPSKED), Operational Taskings (OPTASK), etc.)

### TECHNICAL ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Extract required information from Naval messages
E4	CORE	Inventory Communications Security Material System (CMS) classified material
E4	CORE	Maintain Combat Information Center (CIC)/Combat Direction Center (CDC) watch logs
E5	CORE	Verify message formats

### UNDERSEA WARFARE (USW) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Evaluate undersea contact information
E7	CORE	Evaluate Undersea Warfare (USW) plots
E4	CORE	Perform Target Motion Analysis (TMA)
E4	CORE	Plot Undersea Warfare (USW) symbology
E5	CORE	Recommend evasive steering actions
E5	CORE	Recommend torpedo evasion actions
E5	CORE	Recommend Undersea Warfare (USW) search and attack plans
E5	CORE	Review Undersea Warfare (USW) plots
E5	NON-CORE	Utilize air assets for Undersea Warfare (USW) search and attack plans
E5	CORE	Validate Water Space Management (WSM) plans

### WATCH TEAM OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Adjust operating mode of systems (training, normal operation)
E4	CORE	Configure systems to Commanding Officer's (CO) orders
E5	CORE	Direct execution of Warfare Commander's messages and intentions

### WATCH TEAM OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Direct transition of Combat Information Center (CIC)/Combat Direction Center (CDC) between conditions of readiness
E4	CORE	Disseminate tactical information
E5	CORE	Execute Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines
E5	CORE	Manage Combat Information Center (CIC)/Combat Direction Center (CDC) during casualty conditions
E4	CORE	Monitor assignment and engagement status of own ship's weapons systems
E4	CORE	Prepare Combat Information Center (CIC)/Combat Direction Center (CDC) for special evolutions
E6	CORE	Review Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines
E4	NON-CORE	Review Rules of Engagement (ROE)
E4	NON-CORE	Review tactical operations data
E4	CORE	Review threat weapons data
E4	NON-CORE	Review Warfare Commander's messages and intentions
E4	NON-CORE	Review watch-related operational references
E6	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) during special evolutions
E5	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) watch team performance
E5	CORE	Supervise equipment alignments according to Emission Control (EMCON) plans
E4	NON-CORE	Transition Combat Information Center (CIC)/Combat Direction Center (CDC) between conditions of readiness
E4	CORE	Update plotting and status boards
E4	CORE	Verify equipment alignment according to Emission Control (EMCON) plans
E5	CORE	Verify systems alignment to Commanding Officer's (CO) tactical orders

**Job Title****Operations Administrator****Job Code****003741****Job Family**

Military Specific

**NOC**

TBD

**Short Title (30 Characters)**

OPERATIONS ADMINISTRATOR

**Short Title (14 Characters)**

OPS ADMIN

**Pay Plan**

Enlisted

**Career Field**

OS

**Other Relationships and Rules**

NEC as assigned to job

**Job Description**

Operations Administrators develop and execute shipboard communications plans and unit Search and Rescue (SAR) efforts; administer chart maintenance; draft messages; control classified material; maintain and review various watch stations logs and records; conduct briefs and debriefs; and assist in the coordination of combat systems training scenarios and special evolutions preparations.

**DoD Relationship****O\*NET Relationship****Group Title**

Radar

**DoD Code**

122100

**Occupation Title**Command and Control Center  
Specialists**SOC Code**

55-3015.00

**Job Family**

Military Specific

**Skills***Reading Comprehension**Active Learning**Critical Thinking**Quality Control Analysis**Complex Problem Solving**Coordination**Monitoring**Writing**Equipment Selection**Judgment and Decision Making***Abilities***Information Ordering**Written Comprehension**Deductive Reasoning**Inductive Reasoning**Problem Sensitivity**Written Expression**Control Precision**Auditory Attention**Category Flexibility**Speech Clarity***AIR WARFARE (AW) OPERATIONS****Paygrade****Task Type****Task Statements**

E4

CORE

Assess air contact priorities

E4

CORE

Maintain aeronautical charts and publications

E4

NON-CORE

Manage aircraft mission plans

E7

CORE

Plan Air Defense (AD) operations

E4

CORE

Review Air Defense (AD) intelligence documents

E4

CORE

Review Air Defense (AD) plans

**AMPHIBIOUS WARFARE (AMW) OPERATIONS****Paygrade****Task Type****Task Statements**

E6

CORE

Plan amphibious operations

E4

CORE

Plot Amphibious Objective Area (AOA) information

E5

CORE

Supervise Amphibious Objective Area (AOA) plots

**BALLISTIC MISSILE DEFENSE (BMD) OPERATIONS****Paygrade****Task Type****Task Statements**

E7

CORE

Manage shipboard Ballistic Missile Defense (BMD) operations

E4

CORE

Review Ballistic Missile Defense (BMD) intelligence documents

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

E5

CORE

Authenticate tactical signals

E4

CORE

Decode tactical signals

E6

CORE

Develop communication plans

## COMMUNICATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Encode tactical signals
E4	CORE	Log external tactical communications
E7	NON-CORE	Make operational and situational reports (e.g. Air Defense (AD), Ballistic Missile Defense (BMD), Sea Combat Commander (SCC), etc.)
E5	CORE	Manage communication plans
E4	CORE	Perform external communications (ship-to-ship, ship-to-shore, ship-to-air)
E4	CORE	Record tactical communications (internal, external)
E4	CORE	Test Combat Information Center (CIC)/Combat Direction Center (CDC) communication systems

## ELECTRONIC SYSTEMS OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Configure Command, Control, Computer, Communication, and Intelligence (C4I) systems for operations (watch, prosecution, weapons employment)
E4	CORE	Configure Tactical Display System (TDS) for operations
E4	NON-CORE	Coordinate data link operations
E4	NON-CORE	Initialize databases (e.g. link, Global Command and Control System (GCCS), Air Defense Systems Integrator (ADSI), etc.)
E4	NON-CORE	Manage databases (e.g. link, Global Command and Control System (GCCS), Air Defense Systems Integrator (ADSI), etc.)
E4	CORE	Verify Identification Friend or Foe (IFF) information

## NAVAL SURFACE FIRE SUPPORT (NSFS) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	NON-CORE	Manage Naval Surface Fire Support (NSFS) teams
E6	CORE	Plan Naval Surface Fire Support (NSFS) engagements
E5	CORE	Supervise Naval Surface Fire Support (NSFS) plot teams

## NAVIGATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Maintain chart inventories
E5	CORE	Recommend actions based on Navigation Rules and Regulations
E5	CORE	Verify plotting of swept channels

## SEARCH AND RESCUE (SAR) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Coordinate Search and Rescue (SAR) teams
E4	CORE	Plot search areas for maritime Search and Rescue (SAR) operations
E4	CORE	Provide Search and Rescue (SAR) operation recommendations

## SURFACE WARFARE (SUW) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Assign surface contact priorities
E4	CORE	Evaluate surface Contacts of Interest (COI)
E7	CORE	Manage battle group Surface Warfare (SUW) operations

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

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Manage shipboard Surface Warfare (SUW) operations
E6	CORE	Recommend Surface Warfare (SUW) engagement tactics
E4	CORE	Review Surface Warfare (SUW) intelligence documents

### TACTICAL SUPPORT OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Plot navigation requirements (e.g. Operational Orders (OPORDS), Operational Plans (OPLAN), Operational Taskings (OPTASK), etc.)
E7	CORE	Review prepared charts
E4	CORE	Update fixed points on charts
E6	CORE	Validate plotted navigation requirements
E6	CORE	Verify extracted information from operational tasking (e.g. Operational Orders (OPORDS), Operations Schedules (OPSKED), Operational Taskings (OPTASK), etc.)

### TECHNICAL ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Extract required information from Naval messages
E4	CORE	Inventory Communications Security Material System (CMS) classified material
E4	CORE	Maintain Combat Information Center (CIC)/Combat Direction Center (CDC) watch logs
E4	CORE	Review deviations and variations
E4	CORE	Verify cryptographic keying material loaded
E5	CORE	Verify message formats

### UNDERSEA WARFARE (USW) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Validate Water Space Management (WSM) plans

### WATCH TEAM OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Adjust operating mode of systems (training, normal operation)
E4	CORE	Configure systems to Commanding Officer's (CO) orders
E5	CORE	Direct execution of Warfare Commander's messages and intentions
E6	CORE	Direct transition of Combat Information Center (CIC)/Combat Direction Center (CDC) between conditions of readiness
E4	CORE	Disseminate tactical information
E5	CORE	Execute Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines
E4	CORE	Prepare Combat Information Center (CIC)/Combat Direction Center (CDC) for special evolutions
E6	CORE	Review Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines
E4	NON-CORE	Review Rules of Engagement (ROE)
E4	NON-CORE	Review tactical operations data

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

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Review threat weapons data
E4	NON-CORE	Review Warfare Commander's messages and intentions
E4	NON-CORE	Review watch-related operational references
E6	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) during special evolutions
E5	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) watch team performance
E5	CORE	Supervise equipment alignments according to Emission Control (EMCON) plans
E4	NON-CORE	Transition Combat Information Center (CIC)/Combat Direction Center (CDC) between conditions of readiness
E4	CORE	Update plotting and status boards
E4	CORE	Verify equipment alignment according to Emission Control (EMCON) plans
E5	CORE	Verify systems alignment to Commanding Officer's (CO) tactical orders

**Job Title****Electronic Systems Operator****Job Code****003742****Job Family**

Military Specific

**NOC**

TBD

**Short Title (30 Characters)**

ELECTRONIC SYSTEMS OPERATOR

**Short Title (14 Characters)**

ELEC SYS OPER

**Pay Plan**

Enlisted

**Career Field**

OS

**Other Relationships and Rules**

NEC as assigned to job

**Job Description**

Electronic Systems Operators initialize, configure, operate, and monitor the functions of various electronics and Command and Control systems to include, but not limited to, the operations of consoles, computers, radars, and radar display equipment and systems; and operate Identification Friend or Foe (IFF) equipment, various data link systems, communication equipment, and electronic charting systems.

**DoD Relationship****O\*NET Relationship****Group Title**

Radar

**DoD Code**

122100

**Occupation Title**Command and Control Center  
Specialists**SOC Code**

55-3015.00

**Job Family**

Military Specific

**Skills***Complex Problem Solving**Writing**Monitoring**Critical Thinking**Reading Comprehension**Active Learning**Judgment and Decision Making**Operation and Control**Coordination**Mathematics***Abilities***Information Ordering**Problem Sensitivity**Inductive Reasoning**Deductive Reasoning**Written Comprehension**Manual Dexterity**Speech Clarity**Finger Dexterity**Rate Control**Control Precision***AIR WARFARE (AW) OPERATIONS****Paygrade****Task Type****Task Statements**

E4

CORE

Analyze air Contacts of Interest (COI)

E4

CORE

Assess air contact priorities

E4

CORE

Assign symbology to air contacts

E4

CORE

Assist shipboard defense against airborne threats

E4

CORE

Conduct shipboard defense against airborne threats

E4

CORE

Determine air contact classifications

E4

CORE

Evaluate air contact information

E4

CORE

Input Air Defense (AD) fire control parameters

E4

CORE

Interpret symbology of air contacts

E7

CORE

Make battle group operation requirement recommendations (e.g. Air Defense (AD), Ballistic Missile Defense (BMD), Surface Warfare (SUW), etc.)

E7

CORE

Manage aircraft emergency situations

E6

CORE

Manage shipboard Air Defense (AD) operations

E7

CORE

Plan Air Defense (AD) operations

E5

NON-CORE

Provide tactical information to aircraft (e.g. weapons condition and status, Fleet Air Defense Identification Zone (FADIZ), waypoints, etc.)

E5

NON-CORE

Recommend Air Defense (AD) engagement tactics

E7

CORE

Recommend Air Defense (AD) plans

E4

CORE

Relay air engagement Battle Damage Assessments (BDA)

E4

CORE

Relay alert aircraft status

E4

CORE

Report air Contacts of Interest (COI)

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

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Report air engagement Battle Damage Assessments (BDA)
E4	CORE	Report return to force assets
E4	CORE	Review Air Defense (AD) intelligence documents
E4	CORE	Review Air Defense (AD) plans
E6	NON-CORE	Supervise air control operations
E5	CORE	Supervise aircraft emergency situations
E4	CORE	Track air Contacts of Interest (COI)
E4	CORE	Update air contact information
E4	NON-CORE	Update controlled aircraft status

### AMPHIBIOUS WARFARE (AMW) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Calculate amphibious craft positions
E7	CORE	Manage ship-to-shore movements
E4	CORE	Plot Amphibious Objective Area (AOA) information
E4	CORE	Plot Amphibious Warfare (AMW) symbology
E4	NON-CORE	Provide support information to aircraft (e.g. safety of flight, advisory control, amphibious mission support, etc.)
E4	CORE	Report ship-to-shore movements
E5	CORE	Supervise Amphibious Objective Area (AOA) plots

### BALLISTIC MISSILE DEFENSE (BMD) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze space or ballistic Contacts of Interest (COI)
E4	CORE	Assign symbology to space or ballistic contacts
E4	CORE	Evaluate space or ballistic contact information
E4	CORE	Interpret symbology of space or ballistic contacts
E6	CORE	Report space or ballistic Contacts of Interest (COI)
E4	CORE	Review Ballistic Missile Defense (BMD) intelligence documents
E4	CORE	Update space or ballistic contact information

### COMMUNICATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Authenticate tactical signals
E4	CORE	Decode tactical signals
E4	CORE	Encode tactical signals
E4	CORE	Log external tactical communications
E7	NON-CORE	Make operational and situational reports (e.g. Air Defense (AD), Ballistic Missile Defense (BMD), Sea Combat Commander (SCC), etc.)
E4	CORE	Perform external communications (ship-to-ship, ship-to-shore, ship-to-air)
E4	CORE	Record tactical communications (internal, external)
E4	CORE	Test Combat Information Center (CIC)/Combat Direction Center (CDC) communication systems

## **ELECTRONIC SYSTEMS OPERATIONS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Configure automatic tracking features
E5	CORE	Configure Command, Control, Computer, Communication, and Intelligence (C4I) systems for operations (watch, prosecution, weapons employment)
E4	CORE	Configure Identification Friend or Foe (IFF) equipment
E4	CORE	Configure informational display systems
E4	CORE	Configure radars remotely
E4	CORE	Configure Tactical Display System (TDS) for operations
E4	NON-CORE	Coordinate data link operations
E4	NON-CORE	Establish data links (dual-net multi-frequency data links and multi-frequency links)
E4	CORE	Evaluate Automatic Identification Systems (AIS) information
E4	CORE	Evaluate radar performance
E4	CORE	Evaluate Tactical Display Systems (TDS) information
E4	CORE	Identify emergency signals
E4	NON-CORE	Initialize Data Terminal Sets (DTS)
E4	NON-CORE	Initialize databases (e.g. link, Global Command and Control System (GCCS), Air Defense Systems Integrator (ADSI), etc.)
E4	NON-CORE	Initiate link communications
E4	CORE	Load waypoints and tracks into electronic charting systems
E4	NON-CORE	Manage databases (e.g. link, Global Command and Control System (GCCS), Air Defense Systems Integrator (ADSI), etc.)
E4	NON-CORE	Manage Tactical Display System (TDS) interfaces
E6	CORE	Manage Tactical Display System (TDS) operations
E4	NON-CORE	Monitor link performance
E4	CORE	Monitor radar performance at Remote Control Panels (RCP)
E4	CORE	Perform link track correlations
E4	CORE	Resolve identification conflicts
E5	CORE	Supervise command and control systems operations
E5	CORE	Supervise Tactical Display System (TDS) operations
E4	CORE	Verify friendly and hostile tracks
E4	CORE	Verify Identification Friend or Foe (IFF) information

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

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E7	NON-CORE	Manage Naval Surface Fire Support (NSFS) teams
E6	CORE	Plan Naval Surface Fire Support (NSFS) engagements
E4	CORE	Plot friendly positions, lines, and no fire zones
E4	CORE	Plot targets using grid methods
E5	CORE	Supervise Naval Surface Fire Support (NSFS) plot teams

## NAVIGATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Calculate set and drift
E4	CORE	Calculate ship's position relative to Plan of Intended Movement (PIM)
E4	CORE	Compare fathometer readings with charts
E4	CORE	Compare lookout information with fix data
E4	CORE	Compare lookout information with navigation plots
E4	CORE	Compare radar scope presentations with charts
E4	CORE	Compute course and speed made good
E4	CORE	Correlate lookout information with radar presentations
E7	CORE	Manage navigation teams during special evolutions (e.g. restricted waters, man overboard, straits transits, etc.)
E4	CORE	Plot anchorages
E4	CORE	Plot Dead Reckoning (DR) tracks
E4	CORE	Plot ship's advance and transfer
E4	CORE	Plot ship's position
E5	CORE	Plot ship's position during special evolutions (e.g. restricted waters, man overboard, straits transit, etc.)
E4	CORE	Plot ship's track
E4	CORE	Plot swept channels
E4	CORE	Plot swing and drag circles
E5	CORE	Recommend actions based on Navigation Rules and Regulations
E4	CORE	Report aids and hazards to navigation
E5	CORE	Report gyrocompass errors
E4	CORE	Report latitude and longitude from plotted positions on nautical charts
E6	CORE	Supervise anchoring operations from Combat Information Center (CIC)/Combat Direction Center (CDC)
E5	CORE	Verify plotting of swept channels

## SEARCH AND RESCUE (SAR) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Plot distress signals, bearings, and ranges
E4	CORE	Plot search areas for maritime Search and Rescue (SAR) operations
E4	CORE	Plot shipboard search patterns
E4	CORE	Provide man overboard information (e.g. bearing, distance, recovery options, etc.)
E4	CORE	Provide Search and Rescue (SAR) operation recommendations

## SURFACE WARFARE (SUW) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Assign surface contact priorities
E4	CORE	Assign symbology to surface contacts
E6	CORE	Compare surface weapons targeting solutions
E6	CORE	Conduct shipboard defense against surface threats
E4	CORE	Determine surface contact classifications
E4	NON-CORE	Engage surface targets with harpoon weapon systems

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

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Evaluate surface Contacts of Interest (COI)
E4	CORE	Interpret symbology of surface contacts
E6	CORE	Make ship's movement recommendations to intercept Contacts of Interest (COI)
E6	CORE	Manage shipboard Surface Warfare (SUW) operations
E4	CORE	Plot surface contact information
E4	CORE	Plot Surface Warfare (SUW) engagements
E4	CORE	Plot Surface Warfare (SUW) symbology
E6	CORE	Recommend Surface Warfare (SUW) engagement tactics
E7	CORE	Recommend Surface Warfare (SUW) search and attack plans
E4	CORE	Report surface Contacts of Interest (COI)
E4	CORE	Report surface engagement Battle Damage Assessments (BDA)
E4	CORE	Review Surface Warfare (SUW) intelligence documents
E5	CORE	Supervise surface plotting teams
E4	CORE	Track surface Contacts of Interest (COI)
E4	CORE	Update surface contact information
E5	CORE	Verify surface contact classifications
E6	CORE	Verify Surface Warfare (SUW) targeting data

### TACTICAL SUPPORT OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Calculate advanced maneuvering board solutions (e.g. wind, scouting problems, station changes, etc.)
E4	CORE	Calculate basic maneuvering board solutions (e.g. avoidance courses, Closest Point of Approach (CPA), course/speed, etc.)
E4	CORE	Plot Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) areas
E4	CORE	Plot Electronic Warfare (EW) information
E4	CORE	Plot environmental conditions (e.g. true wind, weather, sea temperature, etc.)
E4	NON-CORE	Plot Mine Warfare (MIW) information
E4	CORE	Plot navigation requirements (e.g. Operational Orders (OPORDS), Operational Plans (OPLAN), Operational Taskings (OPTASK), etc.)
E4	CORE	Report audible information (e.g. distress signals, whistles, bells, etc.)
E4	CORE	Report visual information
E4	CORE	Update fixed points on charts
E6	CORE	Verify extracted information from operational tasking (e.g. Operational Orders (OPORDS), Operations Schedules (OPSKED), Operational Taskings (OPTASK), etc.)

### TECHNICAL ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Extract required information from Naval messages
E4	CORE	Inventory Communications Security Material System (CMS) classified material
E4	CORE	Maintain Combat Information Center (CIC)/Combat Direction Center (CDC) watch logs

### TECHNICAL ADMINISTRATION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Review deviations and variations
E4	CORE	Verify cryptographic keying material loaded
E5	CORE	Verify message formats

### UNDERSEA WARFARE (USW) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Evaluate undersea contact information
E7	CORE	Evaluate Undersea Warfare (USW) plots
E4	CORE	Perform Target Motion Analysis (TMA)
E4	CORE	Plot Undersea Warfare (USW) symbology
E5	CORE	Recommend evasive steering actions
E5	CORE	Recommend torpedo evasion actions
E5	CORE	Recommend Undersea Warfare (USW) search and attack plans
E5	CORE	Review Undersea Warfare (USW) plots
E5	NON-CORE	Utilize air assets for Undersea Warfare (USW) search and attack plans
E5	CORE	Validate Water Space Management (WSM) plans

### WATCH TEAM OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Adjust operating mode of systems (training, normal operation)
E4	CORE	Configure systems to Commanding Officer's (CO) orders
E5	CORE	Direct execution of Warfare Commander's messages and intentions
E6	CORE	Direct transition of Combat Information Center (CIC)/Combat Direction Center (CDC) between conditions of readiness
E4	CORE	Disseminate tactical information
E5	CORE	Execute Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines
E5	CORE	Manage Combat Information Center (CIC)/Combat Direction Center (CDC) during casualty conditions
E4	CORE	Monitor assignment and engagement status of own ship's weapons systems
E4	CORE	Prepare Combat Information Center (CIC)/Combat Direction Center (CDC) for special evolutions
E6	CORE	Review Combat Information Center (CIC)/Combat Direction Center (CDC) doctrines
E4	NON-CORE	Review Rules of Engagement (ROE)
E4	NON-CORE	Review tactical operations data
E4	CORE	Review threat weapons data
E4	NON-CORE	Review Warfare Commander's messages and intentions
E4	NON-CORE	Review watch-related operational references
E6	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) during special evolutions
E5	CORE	Supervise Combat Information Center (CIC)/Combat Direction Center (CDC) watch team performance

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

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	CORE	Supervise equipment alignments according to Emission Control (EMCON) plans
E4	NON-CORE	Transition Combat Information Center (CIC)/Combat Direction Center (CDC) between conditions of readiness
E4	CORE	Update plotting and status boards
E4	CORE	Verify equipment alignment according to Emission Control (EMCON) plans
E5	CORE	Verify systems alignment to Commanding Officer's (CO) tactical orders