

CHAPTER 20



CRYPTOLOGIC TECHNICIAN (CT)

NAVPERS 18068-20J
CH-72

Updated: October 2017

TABLE OF CONTENTS
CRYPTOLOGIC TECHNICIAN (TECHNICAL) (CTT)

SCOPE OF RATING	CTT-4
GENERAL INFORMATION	CTT-5
TECHNICAL ELECTRONIC INTELLIGENCE ANALYST	CTT-6
ELECTROMAGNETIC SPECTRUM OPERATIONS	CTT-6
ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS	CTT-6
ELECTRONIC WARFARE OPERATIONS	CTT-7
INFORMATION OPERATIONS	CTT-8
PLANNING	CTT-8
SECURITY AND ADMINISTRATION	CTT-8
SURFACE ELECTRONIC WARFARE OPERATOR	CTT-10
ELECTROMAGNETIC SPECTRUM OPERATIONS	CTT-10
ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS	CTT-11
ELECTRONIC WARFARE OPERATIONS	CTT-12
INFORMATION OPERATIONS	CTT-14
PLANNING	CTT-15
SECURITY AND ADMINISTRATION	CTT-15
SURFACE ELECTRONIC WARFARE MAINTAINER	CTT-17
ELECTROMAGNETIC SPECTRUM OPERATIONS	CTT-17
ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS	CTT-18
ELECTRONIC WARFARE OPERATIONS	CTT-19
INFORMATION OPERATIONS	CTT-21
PLANNING	CTT-22
SECURITY AND ADMINISTRATION	CTT-22
INFORMATION OPERATIONS PLANNER	CTT-24
ELECTROMAGNETIC SPECTRUM OPERATIONS	CTT-24
ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS	CTT-25
ELECTRONIC WARFARE OPERATIONS	CTT-25
INFORMATION OPERATIONS	CTT-26
PLANNING	CTT-27
SECURITY AND ADMINISTRATION	CTT-28
OPERATIONAL ELECTRONIC INTELLIGENCE ANALYST	CTT-29
ELECTROMAGNETIC SPECTRUM OPERATIONS	CTT-29
ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS	CTT-29
ELECTRONIC WARFARE OPERATIONS	CTT-31
INFORMATION OPERATIONS	CTT-31
PLANNING	CTT-32
SECURITY AND ADMINISTRATION	CTT-32

TABLE OF CONTENTS (CONT'D)
CRYPTOLOGIC TECHNICIAN (TECHNICAL) (CTT)

AIRBORNE/SUBSURFACE ELECTRONIC WARFARE OPERATOR	CTT-33
ELECTROMAGNETIC SPECTRUM OPERATIONS	CTT-33
ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS	CTT-33
ELECTRONIC WARFARE OPERATIONS	CTT-35
INFORMATION OPERATIONS	CTT-36
PLANNING	CTT-37
SECURITY AND ADMINISTRATION	CTT-37
TACTICAL INFORMATION OPERATIONS SPECIALIST	CTT-38
ELECTROMAGNETIC SPECTRUM OPERATIONS	CTT-38
ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS	CTT-39
ELECTRONIC WARFARE OPERATIONS	CTT-40
INFORMATION OPERATIONS	CTT-41
PLANNING	CTT-43
SECURITY AND ADMINISTRATION	CTT-43

NAVY ENLISTED OCCUPATIONAL STANDARDS
FOR
CRYPTOLOGIC TECHNICIAN (TECHNICAL) (CTT)



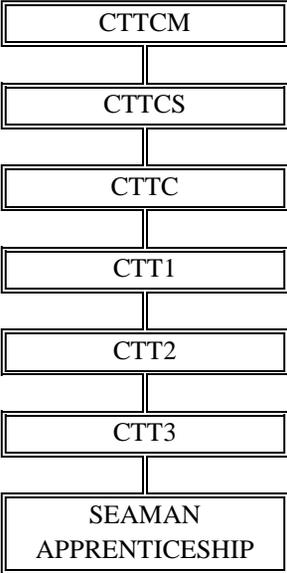
SCOPE OF RATING

Cryptologic Technicians (Technical) (CTT) conduct Electronic Warfare (EW) in support of national and commanders tasking; operate and maintain electronic sensors and computer systems; collect, analyze, exploit, and disseminate Electronic Intelligence (ELINT) in accordance with fleet and national tasking; provide safety of forces, Indications and Warning (I&W), Information Operations (IO), and Anti-Ship Missile Defense (ASMD); and provide technical and tactical guidance to Warfare Commanders and national consumers in support of surface, subsurface, air, and special warfare operations.

These Occupational Standards are to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 20.

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**Technical Electronic Intelligence Analyst****Job Code****001090****Job Family**

Protective Service

NOC

TBD

Short Title (30 Characters)

TECH ELECTRONIC INTELL ANALYST

Short Title (14 Characters)

ELINT ANALYST

Pay Plan

Enlisted

Career Field

CTT

Other Relationships and Rules

NEC's as assigned

Job Description

Technical Electronic Intelligence (TECHELINT) Analysts perform intermediate and advanced collection, measurement, and technical analysis of non-communication signals derived from multiple intelligence production resources; analyze and report all-source information for tactical and strategic commanders in support of fleet, theater, and national objectives; and produce assessments detailing the capabilities and vulnerabilities of foreign non-communication and weapons systems.

DoD Relationship*Group Title*

Intercept Operators (Code and Non-Code)

DoD Code

123100

O*NET Relationship*Occupation Title*

Intelligence Analysts

SOC Code

33-3021.06

Job Family

Protective Service

Skills*Critical Thinking**Operation and Control**Judgment and Decision Making**Writing**Complex Problem Solving**Management of Material Resources**Monitoring**Coordination**Equipment Selection**Mathematics***Abilities***Deductive Reasoning**Inductive Reasoning**Information Ordering**Perceptual Speed**Written Expression**Mathematical Reasoning**Written Comprehension**Oral Expression**Control Precision**Problem Sensitivity***ELECTROMAGNETIC SPECTRUM OPERATIONS****Paygrade****Task Type****Task Statements**

E4

CORE

Identify Electromagnetic Interference (EMI)

E4

CORE

Monitor Electromagnetic (EM) spectrum

E5

CORE

Predict equipment performance characteristics based on atmospheric data

E5

CORE

Report Electromagnetic Interference (EMI)

E5

CORE

Report jamming sources

E5

CORE

Research jamming sources

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS**Paygrade****Task Type****Task Statements**

E4

CORE

Analyze historical Signals Of Interest (SOI) data

E4

NON-CORE

Analyze record message traffic data

E4

CORE

Analyze Signals Of Interest (SOI)

E4

CORE

Annotate Radio Detection and Ranging (RADAR) affected performance (e.g. Radio Frequency (RF), interpulse modulation, intrapulse modulation, etc.)

E5

NON-CORE

Calculate blind speeds

E4

CORE

Calculate Pulse Repetition Frequency (PRF)

E4

CORE

Calculate Radio Detection and Ranging (RADAR) parameters (e.g. Pulse Repetition Intervals (PRI), Maximum Unambiguous Ranges (MUR), minimum range, etc.)

E5

NON-CORE

Classify radar performance characteristics based on parameters

E4

CORE

Conduct analysis in the frequency domain

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Conduct cryptologic and intelligence briefs
E4	CORE	Configure Electronic Intelligence (ELINT)/Electronic Warfare (EW) equipment
E5	CORE	Convert Radio Detection and Ranging (RADAR) parameters (e.g. linear to decibel, imperial to metric, etc.)
E4	CORE	Correlate national systems data to platform
E4	CORE	Correlate Signals Of Interest (SOI)
E4	CORE	Determine radar systems capabilities
E4	CORE	Determine target source utilizing Unintentional Modulation on Pulse (UMOP)
E5	CORE	Disseminate Electronic Intelligence (ELINT) data and reports (e.g. Operational Electronic Intelligence (OPELINT), Technical Electronics Intelligence (TECHELINT), etc.)
E5	CORE	Evaluate collection, analysis, and reporting
E4	NON-CORE	Evaluate signal quality
E4	CORE	Evaluate Signals Of Interest (SOI)
E4	CORE	Evaluate strategic situations (operational, tactical)
E4	CORE	Generate reports
E4	CORE	Identify interpulse modulation types (e.g. pulse constant, jitter, stagger, etc.)
E4	CORE	Identify intrapulse modulation types (e.g. unmodulated, linear frequency modulation, bi-phased shift keyed, etc.)
E4	CORE	Identify scan types
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E5	NON-CORE	Measure doppler shifts
E4	CORE	Measure Pulse Duration (PD)
E4	CORE	Measure Pulse Repetition Intervals (PRI)
E4	CORE	Measure Radio Frequency (RF) (high, low, and center tune)
E4	CORE	Measure scan times
E7	CORE	Prioritize Electronic Intelligence (ELINT) collection efforts
E4	CORE	Record Signals Of Interest (SOI)
E4	CORE	Report Signal Of Interest (SOI) (e.g. message traffic, etc.)
E4	CORE	Research Intelligence Community (IC) databases
E4	CORE	Search Electronic Intelligence (ELINT) databases
E4	CORE	Shut down Electronic Intelligence (ELINT)/Electronic Warfare (EW) equipment
E4	CORE	Startup Electronic Intelligence (ELINT) equipment
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E5	CORE	Update national databases

ELECTRONIC WARFARE OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Conduct Electronic Support (ES) operations
E5	NON-CORE	Construct emitter libraries

ELECTRONIC WARFARE OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	NON-CORE	Draft Electronic Warfare (EW) operational messages (e.g. Electronic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E4	NON-CORE	Maintain computer systems
E5	CORE	Manage system software updates
E4	CORE	Perform fusion analysis
E4	CORE	Startup Tactical Data Processors (TDP)
E5	CORE	Supervise construction of emitter libraries

INFORMATION OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Calculate threat detection envelopes
E5	CORE	Conduct all-source intelligence research
E5	CORE	Configure software-based analysis tools
E7	CORE	Coordinate data collection responsibilities
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E5	NON-CORE	Implement Signals Intelligence (SIGINT) taskings
E7	CORE	Provide feedback to national systems managers (e.g. Product Verification Review (PVR), Threat Change Analysis Request (TCAR), etc.)
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E6	NON-CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

PLANNING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities
E7	NON-CORE	Assess emerging Signals Intelligence (SIGINT) threats
E7	NON-CORE	Coordinate Electronic Warfare (EW)/Information Operations (IO) with joint/allied partners
E5	CORE	Draft Naval Messages (e.g. Product Verification Report (PVR), Tactical Electronic Intelligence (TACELINT), Electronic Attack (EA) request, etc.)
E7	CORE	Recommend Information Operations (IO)/Electronic Warfare (EW) mission objectives
E7	CORE	Request supporting Electronic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E7	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities

SECURITY AND ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Comply with Naval Cryptologic and National security requirements (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Sensitive Compartmented Information (SCI), etc.)

SECURITY AND ADMINISTRATION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Evaluate Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Implement Disaster Recovery Plans (DRP)
E6	CORE	Implement Emergency Action Plans (EAP)
E6	CORE	Implement Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Manage Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)

Job Title**Surface Electronic Warfare Operator****Job Code****001095****Job Family**

Computer and Mathematical

NOC

TBD

Short Title (30 Characters)

SURFACE EW OPERATOR

Short Title (14 Characters)

SURF EW OPER

Pay Plan

Enlisted

Career Field

CTT

Other Relationships and Rules

NEC's as assigned

Job Description

Surface Electronic Warfare Operators operate state-of-the-art electronic receivers and associated analysis and recording equipment in the collection of airborne, shipborne, land-based, subsurface Radio Detection and Ranging (RADAR), and other signals within the electromagnetic (EM) spectrum; interpret intercepted electronic signals to determine their source to support the tactical Common Operational Picture (COP); and execute tactics in accordance with doctrine and report information to tactical and strategic commanders in support of fleet, theater, and national objectives.

DoD RelationshipGroup Title

Intercept Operators (Code and Non-Code)

DoD Code

123100

O*NET RelationshipOccupation Title

Network and Computer Systems Administrators

SOC Code

15-1142.00

Job Family

Computer and Mathematical

Skills*Critical Thinking**Management of Material Resources**Judgment and Decision Making**Operation and Control**Coordination**Monitoring**Complex Problem Solving**Writing**Quality Control Analysis**Active Learning***Abilities***Deductive Reasoning**Inductive Reasoning**Information Ordering**Problem Sensitivity**Perceptual Speed**Written Comprehension**Written Expression**Oral Expression**Control Precision**Flexibility of Closure***ELECTROMAGNETIC SPECTRUM OPERATIONS****Paygrade****Task Type****Task Statements**

E5	NON-CORE	Calculate satellite vulnerabilities
E5	NON-CORE	Conduct Electronic Warfare Control Ship (EWCS) procedures
E5	NON-CORE	Configure Own Force Monitoring (OFM) equipment
E6	CORE	Construct Electromagnetic (EM) Battlespace plans (e.g. Afloat Electromagnetic Spectrum Operations Program (AESOP), Emission Control (EMCON), etc.)
E5	CORE	Determine jamming sources
E5	NON-CORE	Determine space weather for Satellite Communications (SATCOM) operations
E4	CORE	Identify Electromagnetic Interference (EMI)
E7	NON-CORE	Manage spectrum plans
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Monitor own force emissions
E5	CORE	Perform unit level Electromagnetic (EM) spectrum operations
E5	CORE	Predict equipment performance characteristics based on atmospheric data
E5	CORE	Report Electromagnetic Interference (EMI)
E5	CORE	Report jamming sources
E5	CORE	Research jamming sources
E5	NON-CORE	Shutdown Own Force Monitoring (OFM) equipment
E5	NON-CORE	Startup Own Force Monitoring (OFM) equipment

ELECTROMAGNETIC SPECTRUM OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Validate Electromagnetic (EM) spectrum documentation (e.g. Afloat Electromagnetic Spectrum Operations Program (AESOP), Hazards of Electromagnetic Radiation to Ordnance (HERO) bill, Emission Control (EMCON), etc.)

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze broadcast data (e.g. national, Global Command and Control System Maritime (GCCS-M), Intelligence Broadcast System/Common Integrated Broadcast (IBS/CIB), etc.)
E4	CORE	Analyze historical Signals Of Interest (SOI) data
E4	NON-CORE	Analyze record message traffic data
E4	CORE	Analyze Signals Of Interest (SOI)
E4	CORE	Annotate Radio Detection and Ranging (RADAR) affected performance (e.g. Radio Frequency (RF), interpulse modulation, intrapulse modulation, etc.)
E4	CORE	Calculate Pulse Repetition Frequency (PRF)
E4	CORE	Calculate Radio Detection and Ranging (RADAR) parameters (e.g. Pulse Repetition Intervals (PRI), Maximum Unambiguous Ranges (MUR), minimum range, etc.)
E5	NON-CORE	Classify radar performance characteristics based on parameters
E4	CORE	Collect Signals Of Interest (SOI)
E4	CORE	Conduct analysis in the frequency domain
E4	CORE	Conduct cryptologic and intelligence briefs
E4	CORE	Configure Electronic Intelligence (ELINT)/Electronic Warfare (EW) equipment
E6	NON-CORE	Construct Electronic Intelligence (ELINT) collection plans
E4	CORE	Construct Order Of Battle (OOB)
E5	CORE	Convert Radio Detection and Ranging (RADAR) parameters (e.g. linear to decibel, imperial to metric, etc.)
E4	CORE	Correlate national systems data to platform
E4	CORE	Correlate Signals Of Interest (SOI)
E4	CORE	Crossfix Signals Of Interest (SOI) intercepts
E4	CORE	Determine radar systems capabilities
E4	CORE	Determine target source utilizing Unintentional Modulation on Pulse (UMOP)
E5	CORE	Disseminate Electronic Intelligence (ELINT) data and reports (e.g. Operational Electronic Intelligence (OPELINT), Technical Electronics Intelligence (TECHELINT), etc.)
E5	CORE	Evaluate collection, analysis, and reporting
E4	NON-CORE	Evaluate signal quality
E4	CORE	Evaluate Signals Of Interest (SOI)
E4	CORE	Evaluate strategic situations (operational, tactical)
E4	CORE	Generate reports
E4	CORE	Identify interpulse modulation types (e.g. pulse constant, jitter, stagger, etc.)
E4	CORE	Identify intrapulse modulation types (e.g. unmodulated, linear frequency modulation, bi-phased shift keyed, etc.)
E4	CORE	Identify scan types

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Input filter management plans
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Measure Pulse Duration (PD)
E4	CORE	Measure Pulse Repetition Intervals (PRI)
E4	CORE	Measure Radio Frequency (RF) (high, low, and center tune)
E4	CORE	Measure scan times
E4	CORE	Perform Operational Electronic Intelligence (OPELINT) analysis (e.g. Intelligence Preparation (IPR), Maritime Domain Awareness (MDA), etc.)
E7	CORE	Prioritize Electronic Intelligence (ELINT) collection efforts
E4	CORE	Record Signals Of Interest (SOI)
E5	CORE	Report PROFORMA signals
E4	CORE	Report Signal Of Interest (SOI) (e.g. message traffic, etc.)
E4	CORE	Research Intelligence Community (IC) databases
E4	CORE	Search Electronic Intelligence (ELINT) databases
E4	CORE	Shut down Electronic Intelligence (ELINT)/Electronic Warfare (EW) equipment
E4	CORE	Startup Electronic Intelligence (ELINT) equipment
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E5	CORE	Update national databases
E6	CORE	Validate Electronic Intelligence (ELINT) logs

ELECTRONIC WARFARE OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Conduct decoy handling and loading operations
E4	CORE	Conduct Electronic Attacks (EA)
E4	CORE	Conduct Electronic Support (ES) operations
E5	NON-CORE	Conduct Radar Cross Section (RCS) testing
E4	NON-CORE	Configure Common Integrated Broadcast (CIB) radio receiving equipment (e.g. Joint Tactical Terminal Maritime (JTT-M), Commanders Tactical Terminal-Hybrid Receiver (CTT-HR), etc.)
E4	CORE	Configure Electronic Warfare (EW) systems
E5	NON-CORE	Construct emitter libraries
E6	NON-CORE	Coordinate Combat Systems Training Team (CSTT) drill guides
E6	NON-CORE	Coordinate Electronic Warfare (EW) equipment installation
E6	NON-CORE	Coordinate Electronic Warfare (EW) equipment removal
E7	NON-CORE	Coordinate Electronic Warfare (EW) test range runs
E4	NON-CORE	Coordinate Emission Control (EMCON) conditions
E6	NON-CORE	Coordinate System Operation Verification Testing (SOVT)
E4	CORE	Deploy Electronic Warfare (EW) countermeasures
E7	NON-CORE	Develop Electronic Warfare (EW) Pre Planned Responses (PPR)
E7	NON-CORE	Develop Electronic Warfare (EW) tactics
E5	CORE	Develop Embedded Training Device (ETD) scenarios

ELECTRONIC WARFARE OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	NON-CORE	Develop joint Electronic Warfare (EW) plans
E4	CORE	Disseminate tactical information (internal/ external)
E7	NON-CORE	Draft Electronic Warfare (EW) operational messages (e.g. Electronic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Evaluate Electronic Warfare (EW) Measure of Effectiveness (MOE)
E5	CORE	Evaluate mission threats
E5	NON-CORE	Implement Combat Systems Training Team (CSTT) drill guides
E5	NON-CORE	Install Field Change (FC) kits
E7	NON-CORE	Interpret test and evaluation range results (e.g. ULM-4, Passive Countermeasures System (PCMS), etc.)
E5	NON-CORE	Maintain blanking systems
E4	NON-CORE	Maintain cables
E4	NON-CORE	Maintain computer systems
E4	NON-CORE	Maintain cooling systems
E4	NON-CORE	Maintain decoy launcher systems
E4	NON-CORE	Maintain decoy ready service lockers/magazines
E4	NON-CORE	Maintain dry air systems
E4	CORE	Maintain Electronic Warfare (EW) status boards and logs
E5	NON-CORE	Maintain hydraulic systems
E4	NON-CORE	Maintain Joint Tactical Terminal Maritime (JTT-M)
E4	CORE	Maintain local emitter libraries
E4	NON-CORE	Maintain onboard training systems
E4	NON-CORE	Maintain Passive Countermeasure System (PCMS)
E7	NON-CORE	Manage decoy handling operations (e.g. onload, offload, inventory, etc.)
E7	CORE	Manage Electronic Warfare (EW) operations (e.g. Emission Control (EMCON), Electronic Support (ES), countermeasures deployment, etc.)
E7	CORE	Manage Passive Countermeasure System (PCMS) programs
E5	CORE	Manage system software updates
E5	CORE	Manage tactical communications (e.g. voice, chat, etc.)
E5	NON-CORE	Manage test equipment and gauge calibration
E5	NON-CORE	Modify Electronic Warfare (EW) equipment readiness conditions
E4	CORE	Perform fusion analysis
E4	CORE	Perform tactical communications (e.g. brevity codes, fleet tactical signals, etc.)
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E4	NON-CORE	Set Passive Countermeasure System (PCMS) conditions
E4	CORE	Startup Tactical Data Processors (TDP)
E7	CORE	Supervise chaff employment
E5	CORE	Supervise construction of emitter libraries
E6	CORE	Supervise decoy handling and loading operations

ELECTRONIC WARFARE OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Supervise Electronic Attack (EA) employment
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E5	NON-CORE	Update Combat System (CS) smooth logs
E4	CORE	Utilize Rapid Evaluation Guidelines (REG)
E7	NON-CORE	Validate Combat Systems Training Team (CSTT) drill guides
E6	CORE	Validate Embedded Training Device (ETD) scenarios
E4	CORE	Verify Emission Control (EMCON) conditions in effect
E4	NON-CORE	Verify Passive Countermeasure System (PCMS) conditions

INFORMATION OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Assess Maritime Pattern of Life (POL) for specific vessel types in various Area of Responsibility (AOR)
E6	CORE	Assess Tactical Situations (TACSIT)
E4	CORE	Calculate threat detection envelopes
E4	CORE	Collect Information Operation (IO) asset capabilities and limitations
E5	CORE	Conduct all-source intelligence research
E5	NON-CORE	Conduct Battle Damage Assessment (BDA)
E4	CORE	Conduct Information Operations (IO) utilizing Tactical Data Processors (TDP)
E4	CORE	Conduct Military Deception (MILDEC) operations
E5	NON-CORE	Conduct non-standard collection operations/unconventional collection
E5	CORE	Configure software-based analysis tools
E7	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets
E6	CORE	Coordinate Military Deception (MILDEC) plan support
E7	NON-CORE	Coordinate multi-unit employment of Electronic Attacks (EA)
E7	CORE	Develop allied and coalition Information Operations (IO)
E6	NON-CORE	Develop intelligence products based on Pattern of Life (POL)
E7	CORE	Develop joint Information Operations (IO) plans
E7	CORE	Develop Military Deception (MILDEC) plans
E5	NON-CORE	Develop pattern of life analysis
E5	NON-CORE	Develop real time maritime trackers
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E7	CORE	Develop strike group Information Operations (IO) directives
E7	CORE	Develop strike group Information Operations (IO) plans
E4	CORE	Disseminate Military Information Support Operations (MISO) material
E6	CORE	Evaluate Information Operations (IO) Measure of Effectiveness (MOE)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E5	NON-CORE	Implement Signals Intelligence (SIGINT) taskings
E7	CORE	Manage Electronic Warfare Control Ship (EWCS) operations
E7	CORE	Manage Information Operations (IO) readiness conditions

INFORMATION OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Manage Military Deception (MILDEC) plans
E4	CORE	Perform Pre-Planned Responses (PPR)
E5	CORE	Prioritize mission threats
E7	CORE	Provide feedback to national systems managers (e.g. Product Verification Review (PVR), Threat Change Analysis Request (TCAR), etc.)
E6	CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E7	CORE	Provide strategic communication plan support
E6	NON-CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

PLANNING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities
E7	NON-CORE	Assess emerging Signals Intelligence (SIGINT) threats
E7	NON-CORE	Coordinate Electronic Warfare (EW)/Information Operations (IO) with joint/allied partners
E7	NON-CORE	Coordinate Underway Strike Group Electronic Warfare (EW) system maintenance
E6	NON-CORE	Develop Afloat Electromagnetic Spectrum Operations Program (AESOP) plans
E5	NON-CORE	Develop Combat Systems Training Team (CSTT) technical drill guides
E7	CORE	Develop multi-unit Electronic Warfare (EW) Pre-Planned Responses (PPR)
E7	CORE	Draft Electronic Warfare (EW) doctrines and bills (e.g. Antiship Missile Defense (ASMD), Passive Countermeasures System (PCMS), Emissions Control (EMCON), etc.)
E5	CORE	Draft Naval Messages (e.g. Product Verification Report (PVR), Tactical Electronic Intelligence (TACELINT), Electronic Attack (EA) request, etc.)
E7	CORE	Manage strike group Information Operations (IO) readiness requirements
E7	CORE	Recommend Information Operations (IO)/Electronic Warfare (EW) mission objectives
E7	CORE	Request supporting Electronic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Schedule Electronic Warfare (EW)/Information Operations (IO) exercises
E7	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities
E7	NON-CORE	Validate Afloat Electromagnetic Spectrum Operations Program (AESOP) plans

SECURITY AND ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Comply with Naval Cryptologic and National security requirements (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Sensitive Compartmented Information (SCI), etc.)
E6	CORE	Evaluate Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)

SECURITY AND ADMINISTRATION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Implement Disaster Recovery Plans (DRP)
E6	CORE	Implement Emergency Action Plans (EAP)
E6	CORE	Implement Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Manage Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)

Job Title**Surface Electronic Warfare Maintainer****Job Code****002676****Job Family**

Computer and Mathematical

NOC

TBD

Short Title (30 Characters)

SURFACE EW MAINTAINER

Short Title (14 Characters)

SURF EW MAINT

Pay Plan

Enlisted

Career Field

CTT

Other Relationships and Rules

NEC's as assigned

Job Description

Surface Electronic Warfare Maintainers perform preventive and corrective maintenance on Electronic Warfare (EW) and ancillary systems used for analysis, monitoring, tracking, recognition, identification, and electronic attack; install, test, troubleshoot, repair, and replace Electronic Warfare (EW) networks, electronic equipment, antennas, Decoy Launching Systems (DLS), auxiliary equipment, digital and optical interfaces, and data systems; manage mission organizational level maintenance; coordinate repair of Electronic Warfare (EW) systems; and prepare reports and inventories of equipment.

DoD RelationshipGroup Title

Intercept Operators (Code and Non-Code)

DoD Code

123100

O*NET RelationshipOccupation Title

Database Administrators

SOC Code

15-1141.00

Job Family

Computer and Mathematical

Skills*Critical Thinking**Management of Material Resources**Judgment and Decision Making**Operation and Control**Coordination**Monitoring**Complex Problem Solving**Writing**Quality Control Analysis**Active Learning***Abilities***Deductive Reasoning**Inductive Reasoning**Information Ordering**Problem Sensitivity**Perceptual Speed**Written Comprehension**Written Expression**Oral Expression**Control Precision**Flexibility of Closure***ELECTROMAGNETIC SPECTRUM OPERATIONS****Paygrade****Task Type****Task Statements**

E5	NON-CORE	Calculate satellite vulnerabilities
E5	NON-CORE	Conduct Electronic Warfare Control Ship (EWCS) procedures
E5	NON-CORE	Configure Own Force Monitoring (OFM) equipment
E6	CORE	Construct Electromagnetic (EM) Battlespace plans (e.g. Afloat Electromagnetic Spectrum Operations Program (AESOP), Emission Control (EMCON), etc.)
E5	CORE	Determine jamming sources
E5	NON-CORE	Determine space weather for Satellite Communications (SATCOM) operations
E4	CORE	Identify Electromagnetic Interference (EMI)
E7	NON-CORE	Manage spectrum plans
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Monitor own force emissions
E5	CORE	Perform unit level Electromagnetic (EM) spectrum operations
E5	CORE	Predict equipment performance characteristics based on atmospheric data
E5	CORE	Report Electromagnetic Interference (EMI)
E5	CORE	Report jamming sources
E5	CORE	Research jamming sources
E5	NON-CORE	Shutdown Own Force Monitoring (OFM) equipment
E5	NON-CORE	Startup Own Force Monitoring (OFM) equipment

ELECTROMAGNETIC SPECTRUM OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Validate Electromagnetic (EM) spectrum documentation (e.g. Afloat Electromagnetic Spectrum Operations Program (AESOP), Hazards of Electromagnetic Radiation to Ordnance (HERO) bill, Emission Control (EMCON), etc.)

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze broadcast data (e.g. national, Global Command and Control System Maritime (GCCS-M), Intelligence Broadcast System/Common Integrated Broadcast (IBS/CIB), etc.)
E4	CORE	Analyze historical Signals Of Interest (SOI) data
E4	NON-CORE	Analyze record message traffic data
E4	CORE	Analyze Signals Of Interest (SOI)
E4	CORE	Annotate Radio Detection and Ranging (RADAR) affected performance (e.g. Radio Frequency (RF), interpulse modulation, intrapulse modulation, etc.)
E4	CORE	Calculate Pulse Repetition Frequency (PRF)
E4	CORE	Calculate Radio Detection and Ranging (RADAR) parameters (e.g. Pulse Repetition Intervals (PRI), Maximum Unambiguous Ranges (MUR), minimum range, etc.)
E5	NON-CORE	Classify radar performance characteristics based on parameters
E4	CORE	Collect Signals Of Interest (SOI)
E4	CORE	Conduct analysis in the frequency domain
E4	CORE	Conduct cryptologic and intelligence briefs
E4	CORE	Configure Electronic Intelligence (ELINT)/Electronic Warfare (EW) equipment
E6	NON-CORE	Construct Electronic Intelligence (ELINT) collection plans
E4	CORE	Construct Order Of Battle (OOB)
E5	CORE	Convert Radio Detection and Ranging (RADAR) parameters (e.g. linear to decibel, imperial to metric, etc.)
E4	CORE	Correlate national systems data to platform
E4	CORE	Correlate Signals Of Interest (SOI)
E4	CORE	Crossfix Signals Of Interest (SOI) intercepts
E4	CORE	Determine radar systems capabilities
E4	CORE	Determine target source utilizing Unintentional Modulation on Pulse (UMOP)
E5	CORE	Disseminate Electronic Intelligence (ELINT) data and reports (e.g. Operational Electronic Intelligence (OPELINT), Technical Electronics Intelligence (TECHELINT), etc.)
E5	CORE	Evaluate collection, analysis, and reporting
E4	NON-CORE	Evaluate signal quality
E4	CORE	Evaluate Signals Of Interest (SOI)
E4	CORE	Evaluate strategic situations (operational, tactical)
E4	CORE	Generate reports
E4	CORE	Identify interpulse modulation types (e.g. pulse constant, jitter, stagger, etc.)
E4	CORE	Identify intrapulse modulation types (e.g. unmodulated, linear frequency modulation, bi-phased shift keyed, etc.)
E4	CORE	Identify scan types

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Input filter management plans
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Measure Pulse Duration (PD)
E4	CORE	Measure Pulse Repetition Intervals (PRI)
E4	CORE	Measure Radio Frequency (RF) (high, low, and center tune)
E4	CORE	Measure scan times
E4	CORE	Perform Operational Electronic Intelligence (OPELINT) analysis (e.g. Intelligence Preparation (IPR), Maritime Domain Awareness (MDA), etc.)
E7	CORE	Prioritize Electronic Intelligence (ELINT) collection efforts
E4	CORE	Record Signals Of Interest (SOI)
E5	CORE	Report PROFORMA signals
E4	CORE	Report Signal Of Interest (SOI) (e.g. message traffic, etc.)
E4	CORE	Research Intelligence Community (IC) databases
E4	CORE	Search Electronic Intelligence (ELINT) databases
E4	CORE	Shut down Electronic Intelligence (ELINT)/Electronic Warfare (EW) equipment
E4	CORE	Startup Electronic Intelligence (ELINT) equipment
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E5	CORE	Update national databases
E6	CORE	Validate Electronic Intelligence (ELINT) logs

ELECTRONIC WARFARE OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Conduct decoy handling and loading operations
E4	CORE	Conduct Electronic Attacks (EA)
E4	CORE	Conduct Electronic Support (ES) operations
E5	NON-CORE	Conduct Radar Cross Section (RCS) testing
E4	NON-CORE	Configure Common Integrated Broadcast (CIB) radio receiving equipment (e.g. Joint Tactical Terminal Maritime (JTT-M), Commanders Tactical Terminal-Hybrid Receiver (CTT-HR), etc.)
E4	CORE	Configure Electronic Warfare (EW) systems
E5	NON-CORE	Construct emitter libraries
E6	NON-CORE	Coordinate Combat Systems Training Team (CSTT) drill guides
E6	NON-CORE	Coordinate Electronic Warfare (EW) equipment installation
E6	NON-CORE	Coordinate Electronic Warfare (EW) equipment removal
E7	NON-CORE	Coordinate Electronic Warfare (EW) test range runs
E4	NON-CORE	Coordinate Emission Control (EMCON) conditions
E6	NON-CORE	Coordinate System Operation Verification Testing (SOVT)
E4	CORE	Deploy Electronic Warfare (EW) countermeasures
E7	NON-CORE	Develop Electronic Warfare (EW) Pre Planned Responses (PPR)
E7	NON-CORE	Develop Electronic Warfare (EW) tactics
E5	CORE	Develop Embedded Training Device (ETD) scenarios

ELECTRONIC WARFARE OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	NON-CORE	Develop joint Electronic Warfare (EW) plans
E4	CORE	Disseminate tactical information (internal/ external)
E7	NON-CORE	Draft Electronic Warfare (EW) operational messages (e.g. Electronic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Evaluate Electronic Warfare (EW) Measure of Effectiveness (MOE)
E5	CORE	Evaluate mission threats
E5	NON-CORE	Implement Combat Systems Training Team (CSTT) drill guides
E5	NON-CORE	Install Field Change (FC) kits
E7	NON-CORE	Interpret test and evaluation range results (e.g. ULM-4, Passive Countermeasures System (PCMS), etc.)
E5	NON-CORE	Maintain blanking systems
E4	NON-CORE	Maintain cables
E4	NON-CORE	Maintain computer systems
E4	NON-CORE	Maintain cooling systems
E4	NON-CORE	Maintain decoy launcher systems
E4	NON-CORE	Maintain decoy ready service lockers/magazines
E4	NON-CORE	Maintain dry air systems
E4	CORE	Maintain Electronic Warfare (EW) status boards and logs
E5	NON-CORE	Maintain hydraulic systems
E4	NON-CORE	Maintain Joint Tactical Terminal Maritime (JTT-M)
E4	CORE	Maintain local emitter libraries
E4	NON-CORE	Maintain onboard training systems
E4	NON-CORE	Maintain Passive Countermeasure System (PCMS)
E7	NON-CORE	Manage decoy handling operations (e.g. onload, offload, inventory, etc.)
E7	CORE	Manage Electronic Warfare (EW) operations (e.g. Emission Control (EMCON), Electronic Support (ES), countermeasures deployment, etc.)
E7	CORE	Manage Passive Countermeasure System (PCMS) programs
E5	CORE	Manage system software updates
E5	CORE	Manage tactical communications (e.g. voice, chat, etc.)
E5	NON-CORE	Manage test equipment and gauge calibration
E5	NON-CORE	Modify Electronic Warfare (EW) equipment readiness conditions
E4	CORE	Perform fusion analysis
E4	CORE	Perform tactical communications (e.g. brevity codes, fleet tactical signals, etc.)
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E4	NON-CORE	Set Passive Countermeasure System (PCMS) conditions
E4	CORE	Startup Tactical Data Processors (TDP)
E7	CORE	Supervise chaff employment
E5	CORE	Supervise construction of emitter libraries
E6	CORE	Supervise decoy handling and loading operations

ELECTRONIC WARFARE OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Supervise Electronic Attack (EA) employment
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E5	NON-CORE	Update Combat System (CS) smooth logs
E4	CORE	Utilize Rapid Evaluation Guidelines (REG)
E7	NON-CORE	Validate Combat Systems Training Team (CSTT) drill guides
E6	CORE	Validate Embedded Training Device (ETD) scenarios
E4	CORE	Verify Emission Control (EMCON) conditions in effect
E4	NON-CORE	Verify Passive Countermeasure System (PCMS) conditions

INFORMATION OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Assess Maritime Pattern of Life (POL) for specific vessel types in various Area of Responsibility (AOR)
E6	CORE	Assess Tactical Situations (TACSIT)
E4	CORE	Calculate threat detection envelopes
E4	CORE	Collect Information Operation (IO) asset capabilities and limitations
E5	CORE	Conduct all-source intelligence research
E5	NON-CORE	Conduct Battle Damage Assessment (BDA)
E4	CORE	Conduct Information Operations (IO) utilizing Tactical Data Processors (TDP)
E4	CORE	Conduct Military Deception (MILDEC) operations
E5	NON-CORE	Conduct non-standard collection operations/unconventional collection
E5	CORE	Configure software-based analysis tools
E7	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets
E6	CORE	Coordinate Military Deception (MILDEC) plan support
E7	NON-CORE	Coordinate multi-unit employment of Electronic Attacks (EA)
E7	CORE	Develop allied and coalition Information Operations (IO)
E6	NON-CORE	Develop intelligence products based on Pattern of Life (POL)
E7	CORE	Develop joint Information Operations (IO) plans
E7	CORE	Develop Military Deception (MILDEC) plans
E5	NON-CORE	Develop pattern of life analysis
E5	NON-CORE	Develop real time maritime trackers
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E7	CORE	Develop strike group Information Operations (IO) directives
E7	CORE	Develop strike group Information Operations (IO) plans
E4	CORE	Disseminate Military Information Support Operations (MISO) material
E6	CORE	Evaluate Information Operations (IO) Measure of Effectiveness (MOE)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E5	NON-CORE	Implement Signals Intelligence (SIGINT) taskings
E7	CORE	Manage Electronic Warfare Control Ship (EWCS) operations
E7	CORE	Manage Information Operations (IO) readiness conditions

E7	CORE	Manage Military Deception (MILDEC) plans
E4	CORE	Perform Pre-Planned Responses (PPR)
E5	CORE	Prioritize mission threats
E7	CORE	Provide feedback to national systems managers (e.g. Product Verification Review (PVR), Threat Change Analysis Request (TCAR), etc.)
E6	CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E7	CORE	Provide strategic communication plan support
E6	NON-CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

PLANNING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities
E7	NON-CORE	Assess emerging Signals Intelligence (SIGINT) threats
E7	NON-CORE	Coordinate Electronic Warfare (EW)/Information Operations (IO) with joint/allied partners
E7	NON-CORE	Coordinate Underway Strike Group Electronic Warfare (EW) system maintenance
E6	NON-CORE	Develop Afloat Electromagnetic Spectrum Operations Program (AESOP) plans
E5	NON-CORE	Develop Combat Systems Training Team (CSTT) technical drill guides
E7	CORE	Develop multi-unit Electronic Warfare (EW) Pre-Planned Responses (PPR)
E7	CORE	Draft Electronic Warfare (EW) doctrines and bills (e.g. Antiship Missile Defense (ASMD), Passive Countermeasures System (PCMS), Emissions Control (EMCON), etc.)
E5	CORE	Draft Naval Messages (e.g. Product Verification Report (PVR), Tactical Electronic Intelligence (TACELINT), Electronic Attack (EA) request, etc.)
E7	CORE	Manage strike group Information Operations (IO) readiness requirements
E7	CORE	Recommend Information Operations (IO)/Electronic Warfare (EW) mission objectives
E7	CORE	Request supporting Electronic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Schedule Electronic Warfare (EW)/Information Operations (IO) exercises
E7	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities
E7	NON-CORE	Validate Afloat Electromagnetic Spectrum Operations Program (AESOP) plans

SECURITY AND ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Comply with Naval Cryptologic and National security requirements (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Sensitive Compartmented Information (SCI), etc.)
E6	CORE	Evaluate Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Implement Disaster Recovery Plans (DRP)

SECURITY AND ADMINISTRATION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Implement Emergency Action Plans (EAP)
E6	CORE	Implement Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Manage Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)

Job Title**Information Operations Planner****Job Code****002677****Job Family**

Protective Service

NOC

TBD

Short Title (30 Characters)

INFORMATION OPS PLANNER

Short Title (14 Characters)

INFO OPS PLNR

Pay Plan

Enlisted

Career Field

CTT

Other Relationships and Rules

NEC's as assigned

Job Description

Information Operations Planners maintain Information Operations (IO)/Electronic Warfare (EW) readiness; ensure Information Operations (IO) core competency mission objectives are met; collaborate with Warfare Commanders to ensure Information Operations (IO) planning is executed as part of the overall mission; develop spectrum management plans, Military Deception (MILDEC) plans, Information Operations (IO) doctrines, Emission Control (EMCON) plans, Operations Security (OPSEC) directives, and pre-planned responses; and schedule and execute training to maintain Electronic Warfare (EW) readiness.

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

Intercept Operators (Code and Non-Code)

DoD Code

123100

Occupation Title

Intelligence Analysts

SOC Code

33-3021.06

Job Family

Protective Service

Skills*Critical Thinking**Judgment and Decision Making**Management of Material Resources**Coordination**Complex Problem Solving**Operations Analysis**Writing**Monitoring**Quality Control Analysis**Active Learning***Abilities***Inductive Reasoning**Deductive Reasoning**Information Ordering**Problem Sensitivity**Perceptual Speed**Written Expression**Written Comprehension**Oral Expression**Fluency of Ideas**Speed of Closure***ELECTROMAGNETIC SPECTRUM OPERATIONS****Paygrade****Task Type****Task Statements**

E5

NON-CORE

Calculate satellite vulnerabilities

E5

NON-CORE

Configure Own Force Monitoring (OFM) equipment

E6

CORE

Construct Electromagnetic (EM) Battlespace plans (e.g. Afloat Electromagnetic Spectrum Operations Program (AESOP), Emission Control (EMCON), etc.)

E5

CORE

Determine jamming sources

E5

NON-CORE

Determine space weather for Satellite Communications (SATCOM) operations

E4

CORE

Identify Electromagnetic Interference (EMI)

E7

NON-CORE

Manage spectrum plans

E4

CORE

Monitor own force emissions

E5

CORE

Perform unit level Electromagnetic (EM) spectrum operations

E5

CORE

Predict equipment performance characteristics based on atmospheric data

E5

CORE

Report Electromagnetic Interference (EMI)

E5

CORE

Report jamming sources

E5

NON-CORE

Shutdown Own Force Monitoring (OFM) equipment

E5

NON-CORE

Startup Own Force Monitoring (OFM) equipment

E5

CORE

Validate Electromagnetic (EM) spectrum documentation (e.g. Afloat Electromagnetic Spectrum Operations Program (AESOP), Hazards of Electromagnetic Radiation to Ordnance (HERO) bill, Emission Control (EMCON), etc.)

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Analyze record message traffic data
E4	CORE	Analyze Signals Of Interest (SOI)
E4	CORE	Conduct cryptologic and intelligence briefs
E6	NON-CORE	Construct Electronic Intelligence (ELINT) collection plans
E4	CORE	Construct Order Of Battle (OOB)
E4	CORE	Correlate Signals Of Interest (SOI)
E4	CORE	Determine radar systems capabilities
E5	CORE	Disseminate Electronic Intelligence (ELINT) data and reports (e.g. Operational Electronic Intelligence (OPELINT), Technical Electronics Intelligence (TECHELINT), etc.)
E5	CORE	Evaluate collection, analysis, and reporting
E4	CORE	Evaluate Signals Of Interest (SOI)
E4	CORE	Evaluate strategic situations (operational, tactical)
E4	CORE	Generate reports
E5	CORE	Input filter management plans
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Perform Operational Electronic Intelligence (OPELINT) analysis (e.g. Intelligence Preparation (IPR), Maritime Domain Awareness (MDA), etc.)
E7	CORE	Prioritize Electronic Intelligence (ELINT) collection efforts
E4	CORE	Report Signal Of Interest (SOI) (e.g. message traffic, etc.)
E4	CORE	Research Intelligence Community (IC) databases
E4	CORE	Search Electronic Intelligence (ELINT) databases
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting

ELECTRONIC WARFARE OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Configure Common Integrated Broadcast (CIB) radio receiving equipment (e.g. Joint Tactical Terminal Maritime (JTT-M), Commanders Tactical Terminal-Hybrid Receiver (CTT-HR), etc.)
E6	NON-CORE	Coordinate Electronic Warfare (EW) equipment installation
E6	NON-CORE	Coordinate Electronic Warfare (EW) equipment removal
E7	NON-CORE	Coordinate Electronic Warfare (EW) test range runs
E4	NON-CORE	Coordinate Emission Control (EMCON) conditions
E7	NON-CORE	Develop Electronic Warfare (EW) Pre Planned Responses (PPR)
E7	NON-CORE	Develop Electronic Warfare (EW) tactics
E7	NON-CORE	Develop joint Electronic Warfare (EW) plans
E4	CORE	Disseminate tactical information (internal/ external)
E7	NON-CORE	Draft Electronic Warfare (EW) operational messages (e.g. Electronic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Evaluate Electronic Warfare (EW) Measure of Effectiveness (MOE)

ELECTRONIC WARFARE OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Evaluate mission threats
E7	NON-CORE	Interpret test and evaluation range results (e.g. ULM-4, Passive Countermeasures System (PCMS), etc.)
E7	CORE	Manage Electronic Warfare (EW) operations (e.g. Emission Control (EMCON), Electronic Support (ES), countermeasures deployment, etc.)
E7	CORE	Manage Passive Countermeasure System (PCMS) programs
E5	CORE	Manage tactical communications (e.g. voice, chat, etc.)
E5	NON-CORE	Modify Electronic Warfare (EW) equipment readiness conditions
E4	CORE	Perform fusion analysis
E4	CORE	Perform tactical communications (e.g. brevity codes, fleet tactical signals, etc.)
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E4	CORE	Startup Tactical Data Processors (TDP)
E7	CORE	Supervise chaff employment
E5	CORE	Supervise construction of emitter libraries
E5	NON-CORE	Supervise Electronic Attack (EA) employment
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E4	CORE	Utilize Rapid Evaluation Guidelines (REG)
E7	NON-CORE	Validate Combat Systems Training Team (CSTT) drill guides
E6	CORE	Validate Embedded Training Device (ETD) scenarios
E4	CORE	Verify Emission Control (EMCON) conditions in effect
E4	NON-CORE	Verify Passive Countermeasure System (PCMS) conditions

INFORMATION OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Assess Maritime Pattern of Life (POL) for specific vessel types in various Area of Responsibility (AOR)
E6	CORE	Assess Tactical Situations (TACSIT)
E4	CORE	Calculate threat detection envelopes
E4	CORE	Collect Information Operation (IO) asset capabilities and limitations
E5	CORE	Conduct all-source intelligence research
E5	NON-CORE	Conduct Battle Damage Assessment (BDA)
E4	CORE	Conduct Information Operations (IO) utilizing Tactical Data Processors (TDP)
E4	CORE	Conduct Military Deception (MILDEC) operations
E5	CORE	Configure software-based analysis tools
E7	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets
E6	CORE	Coordinate Military Deception (MILDEC) plan support
E7	NON-CORE	Coordinate multi-unit employment of Electronic Attacks (EA)
E5	NON-CORE	Coordinate target analysis
E7	CORE	Develop allied and coalition Information Operations (IO)
E7	CORE	Develop joint Information Operations (IO) plans

INFORMATION OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Develop Military Deception (MILDEC) plans
E5	NON-CORE	Develop pattern of life analysis
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E7	CORE	Develop strike group Information Operations (IO) directives
E7	CORE	Develop strike group Information Operations (IO) plans
E4	CORE	Disseminate Military Information Support Operations (MISO) material
E6	CORE	Evaluate Information Operations (IO) Measure of Effectiveness (MOE)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E7	CORE	Manage Electronic Warfare Control Ship (EWCS) operations
E7	CORE	Manage Information Operations (IO) readiness conditions
E7	CORE	Manage Military Deception (MILDEC) plans
E4	CORE	Perform Pre-Planned Responses (PPR)
E5	CORE	Prioritize mission threats
E7	CORE	Provide feedback to national systems managers (e.g. Product Verification Review (PVR), Threat Change Analysis Request (TCAR), etc.)
E6	CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E7	CORE	Provide strategic communication plan support
E6	NON-CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

PLANNING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities
E7	NON-CORE	Assess emerging Signals Intelligence (SIGINT) threats
E7	NON-CORE	Coordinate Electronic Warfare (EW)/Information Operations (IO) with joint/allied partners
E7	NON-CORE	Coordinate Joint Signals Intelligence (SIGINT) collection plans
E7	NON-CORE	Coordinate Underway Strike Group Electronic Warfare (EW) system maintenance
E7	NON-CORE	Deconflict national target lists in a joint environment
E6	NON-CORE	Develop Afloat Electromagnetic Spectrum Operations Program (AESOP) plans
E7	CORE	Develop multi-unit Electronic Warfare (EW) Pre-Planned Responses (PPR)
E7	CORE	Draft Electronic Warfare (EW) doctrines and bills (e.g. Antiship Missile Defense (ASMD), Passive Countermeasures System (PCMS), Emissions Control (EMCON), etc.)
E5	CORE	Draft Naval Messages (e.g. Product Verification Report (PVR), Tactical Electronic Intelligence (TACELINT), Electronic Attack (EA) request, etc.)
E7	CORE	Manage strike group Information Operations (IO) readiness requirements
E7	NON-CORE	Manage unit priority target lists
E7	CORE	Recommend Information Operations (IO)/Electronic Warfare (EW) mission objectives
E7	CORE	Request supporting Electronic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations

PLANNING (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Schedule Electronic Warfare (EW)/Information Operations (IO) exercises
E7	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities
E7	NON-CORE	Validate Afloat Electromagnetic Spectrum Operations Program (AESOP) plans

SECURITY AND ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Comply with Naval Cryptologic and National security requirements (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Sensitive Compartmented Information (SCI), etc.)
E6	CORE	Evaluate Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Implement Disaster Recovery Plans (DRP)
E6	CORE	Implement Emergency Action Plans (EAP)
E6	CORE	Implement Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Manage Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)

Job Title**Operational Electronic Intelligence Analyst****Job Code****002756****Job Family**

Protective Service

NOC

TBD

Short Title (30 Characters)

OPERATIONAL ELINT ANALYST

Short Title (14 Characters)

OPELINT ANALYST

Pay Plan

Enlisted

Career Field

CTT

Other Relationships and Rules

NEC's as assigned

Job Description

Operational Electronic Intelligence (OPELINT) Analysts perform collection, correlation, geo-location/geo-spatial, and operational analysis of non-communication and other signals derived from multiple intelligence production resources; analyze and report all-source information for tactical and strategic commanders in support of fleet, theater, and national objectives; and produce assessments detailing the capabilities, trends, and vulnerabilities of foreign non-communication weapons systems.

DoD RelationshipGroup Title

Intercept Operators (Code and Non-Code)

DoD Code

123100

O*NET RelationshipOccupation Title

Intelligence Analysts

SOC Code

33-3021.06

Job Family

Protective Service

Skills*Critical Thinking**Judgment and Decision Making**Complex Problem Solving**Operation and Control**Monitoring**Writing**Management of Material Resources**Active Learning**Coordination**Operations Analysis***Abilities***Deductive Reasoning**Inductive Reasoning**Information Ordering**Perceptual Speed**Written Expression**Flexibility of Closure**Written Comprehension**Mathematical Reasoning**Problem Sensitivity**Speed of Closure***ELECTROMAGNETIC SPECTRUM OPERATIONS****Paygrade****Task Type****Task Statements**

E5

NON-CORE

Calculate satellite vulnerabilities

E4

CORE

Identify Electromagnetic Interference (EMI)

E4

CORE

Monitor Electromagnetic (EM) spectrum

E4

CORE

Monitor own force emissions

E5

CORE

Perform unit level Electromagnetic (EM) spectrum operations

E5

CORE

Report Electromagnetic Interference (EMI)

E5

CORE

Report jamming sources

E5

CORE

Research jamming sources

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS**Paygrade****Task Type****Task Statements**

E4

CORE

Analyze broadcast data (e.g. national, Global Command and Control System Maritime (GCCS-M), Intelligence Broadcast System/Common Integrated Broadcast (IBS/CIB), etc.)

E4

CORE

Analyze historical Signals Of Interest (SOI) data

E4

NON-CORE

Analyze record message traffic data

E4

CORE

Analyze Signals Of Interest (SOI)

E4

CORE

Annotate Radio Detection and Ranging (RADAR) affected performance (e.g. Radio Frequency (RF), interpulse modulation, intrapulse modulation, etc.)

E4

CORE

Calculate Pulse Repetition Frequency (PRF)

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Calculate Radio Detection and Ranging (RADAR) parameters (e.g. Pulse Repetition Intervals (PRI), Maximum Unambiguous Ranges (MUR), minimum range, etc.)
E5	NON-CORE	Classify radar performance characteristics based on parameters
E4	CORE	Collect Signals Of Interest (SOI)
E4	CORE	Conduct analysis in the frequency domain
E4	CORE	Conduct cryptologic and intelligence briefs
E4	CORE	Configure Electronic Intelligence (ELINT)/Electronic Warfare (EW) equipment
E4	CORE	Construct Order Of Battle (OOB)
E5	CORE	Convert Radio Detection and Ranging (RADAR) parameters (e.g. linear to decibel, imperial to metric, etc.)
E4	CORE	Correlate national systems data to platform
E4	CORE	Correlate Signals Of Interest (SOI)
E4	CORE	Crossfix Signals Of Interest (SOI) intercepts
E4	CORE	Determine target source utilizing Unintentional Modulation on Pulse (UMOP)
E5	CORE	Disseminate Electronic Intelligence (ELINT) data and reports (e.g. Operational Electronic Intelligence (OPELINT), Technical Electronics Intelligence (TECHELINT), etc.)
E5	CORE	Evaluate collection, analysis, and reporting
E4	NON-CORE	Evaluate signal quality
E4	CORE	Evaluate Signals Of Interest (SOI)
E4	CORE	Evaluate strategic situations (operational, tactical)
E4	CORE	Generate reports
E4	CORE	Identify interpulse modulation types (e.g. pulse constant, jitter, stagger, etc.)
E4	CORE	Identify intrapulse modulation types (e.g. unmodulated, linear frequency modulation, bi-phased shift keyed, etc.)
E4	CORE	Identify scan types
E5	CORE	Input filter management plans
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Measure Pulse Duration (PD)
E4	CORE	Measure Pulse Repetition Intervals (PRI)
E4	CORE	Measure Radio Frequency (RF) (high, low, and center tune)
E4	CORE	Perform Operational Electronic Intelligence (OPELINT) analysis (e.g. Intelligence Preparation (IPR), Maritime Domain Awareness (MDA), etc.)
E7	CORE	Prioritize Electronic Intelligence (ELINT) collection efforts
E4	CORE	Record Signals Of Interest (SOI)
E5	CORE	Report PROFORMA signals
E4	CORE	Report Signal Of Interest (SOI) (e.g. message traffic, etc.)
E4	CORE	Research Intelligence Community (IC) databases
E4	CORE	Search Electronic Intelligence (ELINT) databases
E4	CORE	Shut down Electronic Intelligence (ELINT)/Electronic Warfare (EW) equipment
E4	CORE	Startup Electronic Intelligence (ELINT) equipment
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Update national databases
E6	CORE	Validate Electronic Intelligence (ELINT) logs

ELECTRONIC WARFARE OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Conduct Electronic Support (ES) operations
E4	CORE	Disseminate tactical information (internal/ external)
E7	NON-CORE	Draft Electronic Warfare (EW) operational messages (e.g. Electronic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Evaluate Electronic Warfare (EW) Measure of Effectiveness (MOE)
E5	CORE	Evaluate mission threats
E4	NON-CORE	Maintain computer systems
E5	CORE	Manage system software updates
E5	CORE	Manage tactical communications (e.g. voice, chat, etc.)
E4	CORE	Perform fusion analysis
E4	CORE	Startup Tactical Data Processors (TDP)
E5	CORE	Supervise construction of emitter libraries
E4	CORE	Utilize Rapid Evaluation Guidelines (REG)
E4	CORE	Verify Emission Control (EMCON) conditions in effect

INFORMATION OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Assess Maritime Pattern of Life (POL) for specific vessel types in various Area of Responsibility (AOR)
E6	CORE	Assess Tactical Situations (TACSIT)
E4	CORE	Calculate threat detection envelopes
E5	CORE	Conduct all-source intelligence research
E5	NON-CORE	Conduct Battle Damage Assessment (BDA)
E4	CORE	Conduct Information Operations (IO) utilizing Tactical Data Processors (TDP)
E5	CORE	Configure software-based analysis tools
E7	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets
E5	NON-CORE	Coordinate target analysis
E6	NON-CORE	Develop intelligence products based on Pattern of Life (POL)
E5	NON-CORE	Develop pattern of life analysis
E5	NON-CORE	Develop real time maritime trackers
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E6	CORE	Evaluate Information Operations (IO) Measure of Effectiveness (MOE)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E5	NON-CORE	Implement Signals Intelligence (SIGINT) taskings

INFORMATION OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Prioritize mission threats
E7	CORE	Provide feedback to national systems managers (e.g. Product Verification Review (PVR), Threat Change Analysis Request (TCAR), etc.)
E6	CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input

PLANNING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities
E7	NON-CORE	Assess emerging Signals Intelligence (SIGINT) threats
E7	NON-CORE	Coordinate Electronic Warfare (EW)/Information Operations (IO) with joint/allied partners
E5	CORE	Draft Naval Messages (e.g. Product Verification Report (PVR), Tactical Electronic Intelligence (TACELINT), Electronic Attack (EA) request, etc.)
E7	CORE	Recommend Information Operations (IO)/Electronic Warfare (EW) mission objectives
E4	CORE	Research adversary capabilities and limitations
E7	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities

SECURITY AND ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Comply with Naval Cryptologic and National security requirements (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Sensitive Compartmented Information (SCI), etc.)
E6	CORE	Evaluate Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Implement Disaster Recovery Plans (DRP)
E6	CORE	Implement Emergency Action Plans (EAP)
E6	CORE	Implement Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Manage Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)

Job Title**Airborne/Subsurface Electronic Warfare Operator****Job Code****002757****Job Family**

Protective Service

NOC

TBD

Short Title (30 Characters)

AIRBORNE/SUBSURFACE EW OPER

Short Title (14 Characters)

AIR/SUB EW OP

Pay Plan

Enlisted

Career Field

CTT

Other Relationships and Rules

NEC's as assigned

Job Description

Airborne/Subsurface Electronic Warfare (EW) Operators operate state-of-the-art electronic receivers and associated analysis and recording equipment in the collection of airborne, shipborne, land-based, subsurface Radio Detection and Ranging (RADAR), and other non-communication signals within the electromagnetic (EM) spectrum in tactical and strategic environments; interpret and conduct advanced analysis of intercepted electronic signals to determine their source to support fleet and national tasking; and execute tactics in accordance with doctrine and report information to tactical and strategic commanders in support of fleet, theater, and national objectives.

DoD RelationshipGroup Title

Intercept Operators (Code and Non-Code)

DoD Code

123100

O*NET RelationshipOccupation Title

Intelligence Analysts

SOC Code

33-3021.06

Job Family

Protective Service

Skills*Critical Thinking**Judgment and Decision Making**Operation and Control**Management of Material Resources**Complex Problem Solving**Coordination**Writing**Monitoring**Quality Control Analysis**Active Learning***Abilities***Inductive Reasoning**Information Ordering**Perceptual Speed**Problem Sensitivity**Written Expression**Written Comprehension**Mathematical Reasoning**Flexibility of Closure**Oral Expression**Deductive Reasoning***ELECTROMAGNETIC SPECTRUM OPERATIONS**

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Determine jamming sources
E4	CORE	Identify Electromagnetic Interference (EMI)
E7	NON-CORE	Manage spectrum plans
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Monitor own force emissions
E5	CORE	Perform unit level Electromagnetic (EM) spectrum operations
E5	CORE	Predict equipment performance characteristics based on atmospheric data
E5	CORE	Report Electromagnetic Interference (EMI)
E5	CORE	Report jamming sources
E5	CORE	Research jamming sources
E5	CORE	Validate Electromagnetic (EM) spectrum documentation (e.g. Afloat Electromagnetic Spectrum Operations Program (AESOP), Hazards of Electromagnetic Radiation to Ordnance (HERO) bill, Emission Control (EMCON), etc.)

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze broadcast data (e.g. national, Global Command and Control System Maritime (GCCS-M), Intelligence Broadcast System/Common Integrated Broadcast (IBS/CIB), etc.)

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze historical Signals Of Interest (SOI) data
E4	NON-CORE	Analyze record message traffic data
E4	CORE	Analyze Signals Of Interest (SOI)
E4	CORE	Annotate Radio Detection and Ranging (RADAR) affected performance (e.g. Radio Frequency (RF), interpulse modulation, intrapulse modulation, etc.)
E5	NON-CORE	Calculate blind speeds
E4	CORE	Calculate Pulse Repetition Frequency (PRF)
E4	CORE	Calculate Radio Detection and Ranging (RADAR) parameters (e.g. Pulse Repetition Intervals (PRI), Maximum Unambiguous Ranges (MUR), minimum range, etc.)
E5	NON-CORE	Classify radar performance characteristics based on parameters
E4	CORE	Collect Signals Of Interest (SOI)
E4	CORE	Conduct analysis in the frequency domain
E4	CORE	Conduct cryptologic and intelligence briefs
E4	CORE	Configure Electronic Intelligence (ELINT)/Electronic Warfare (EW) equipment
E6	NON-CORE	Construct Electronic Intelligence (ELINT) collection plans
E4	CORE	Construct Order Of Battle (OOB)
E5	CORE	Convert Radio Detection and Ranging (RADAR) parameters (e.g. linear to decibel, imperial to metric, etc.)
E4	CORE	Correlate national systems data to platform
E4	CORE	Correlate Signals Of Interest (SOI)
E4	CORE	Crossfix Signals Of Interest (SOI) intercepts
E4	CORE	Determine radar systems capabilities
E4	CORE	Determine target source utilizing Unintentional Modulation on Pulse (UMOP)
E5	CORE	Disseminate Electronic Intelligence (ELINT) data and reports (e.g. Operational Electronic Intelligence (OPELINT), Technical Electronics Intelligence (TECHELINT), etc.)
E5	CORE	Evaluate collection, analysis, and reporting
E4	NON-CORE	Evaluate signal quality
E4	CORE	Evaluate Signals Of Interest (SOI)
E4	CORE	Evaluate strategic situations (operational, tactical)
E4	CORE	Generate reports
E4	CORE	Identify interpulse modulation types (e.g. pulse constant, jitter, stagger, etc.)
E4	CORE	Identify intrapulse modulation types (e.g. unmodulated, linear frequency modulation, bi-phased shift keyed, etc.)
E4	CORE	Identify scan types
E5	CORE	Input filter management plans
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Measure Pulse Duration (PD)
E4	CORE	Measure Pulse Repetition Intervals (PRI)
E4	CORE	Measure Radio Frequency (RF) (high, low, and center tune)
E4	CORE	Measure scan times

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Perform Operational Electronic Intelligence (OPELINT) analysis (e.g. Intelligence Preparation (IPR), Maritime Domain Awareness (MDA), etc.)
E7	CORE	Prioritize Electronic Intelligence (ELINT) collection efforts
E4	CORE	Record Signals Of Interest (SOI)
E5	CORE	Report PROFORMA signals
E4	CORE	Report Signal Of Interest (SOI) (e.g. message traffic, etc.)
E4	CORE	Research Intelligence Community (IC) databases
E4	CORE	Search Electronic Intelligence (ELINT) databases
E4	CORE	Shut down Electronic Intelligence (ELINT)/Electronic Warfare (EW) equipment
E4	CORE	Startup Electronic Intelligence (ELINT) equipment
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E5	NON-CORE	Supervise technical kit construction
E5	CORE	Update national databases
E6	CORE	Validate Electronic Intelligence (ELINT) logs

ELECTRONIC WARFARE OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Conduct Electronic Attacks (EA)
E4	CORE	Conduct Electronic Support (ES) operations
E5	NON-CORE	Conduct Radar Cross Section (RCS) testing
E4	NON-CORE	Configure Common Integrated Broadcast (CIB) radio receiving equipment (e.g. Joint Tactical Terminal Maritime (JTT-M), Commanders Tactical Terminal-Hybrid Receiver (CTT-HR), etc.)
E4	CORE	Configure Electronic Warfare (EW) systems
E5	NON-CORE	Construct emitter libraries
E7	NON-CORE	Coordinate Electronic Warfare (EW) test range runs
E7	NON-CORE	Develop Electronic Warfare (EW) Pre Planned Responses (PPR)
E7	NON-CORE	Develop Electronic Warfare (EW) tactics
E7	NON-CORE	Develop joint Electronic Warfare (EW) plans
E4	CORE	Disseminate tactical information (internal/ external)
E7	NON-CORE	Draft Electronic Warfare (EW) operational messages (e.g. Electronic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Evaluate Electronic Warfare (EW) Measure of Effectiveness (MOE)
E5	CORE	Evaluate mission threats
E4	NON-CORE	Maintain computer systems
E4	CORE	Maintain Electronic Warfare (EW) status boards and logs
E4	CORE	Maintain local emitter libraries
E7	CORE	Manage Electronic Warfare (EW) operations (e.g. Emission Control (EMCON), Electronic Support (ES), countermeasures deployment, etc.)
E5	CORE	Manage system software updates
E5	CORE	Manage tactical communications (e.g. voice, chat, etc.)

ELECTRONIC WARFARE OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Modify Electronic Warfare (EW) equipment readiness conditions
E4	CORE	Perform fusion analysis
E4	CORE	Perform tactical communications (e.g. brevity codes, fleet tactical signals, etc.)
E4	NON-CORE	Review Electronic Support Measures (ESM) search plan
E4	CORE	Startup Tactical Data Processors (TDP)
E5	CORE	Supervise construction of emitter libraries
E5	NON-CORE	Supervise Electronic Attack (EA) employment
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E4	NON-CORE	Update Electronic Support Measures (ESM) search plan
E4	CORE	Utilize Rapid Evaluation Guidelines (REG)
E5	NON-CORE	Validate Electronic Support Measures (ESM) search plan
E4	CORE	Verify Emission Control (EMCON) conditions in effect

INFORMATION OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Assess Maritime Pattern of Life (POL) for specific vessel types in various Area of Responsibility (AOR)
E6	CORE	Assess Tactical Situations (TACSIT)
E4	CORE	Calculate threat detection envelopes
E4	CORE	Collect Information Operation (IO) asset capabilities and limitations
E5	CORE	Conduct all-source intelligence research
E5	NON-CORE	Conduct Battle Damage Assessment (BDA)
E4	CORE	Conduct Information Operations (IO) utilizing Tactical Data Processors (TDP)
E4	CORE	Conduct Military Deception (MILDEC) operations
E5	NON-CORE	Conduct non-standard collection operations/unconventional collection
E5	CORE	Configure software-based analysis tools
E7	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets
E6	CORE	Coordinate Military Deception (MILDEC) plan support
E7	NON-CORE	Coordinate multi-unit employment of Electronic Attacks (EA)
E5	NON-CORE	Coordinate target analysis
E7	CORE	Develop allied and coalition Information Operations (IO)
E6	NON-CORE	Develop intelligence products based on Pattern of Life (POL)
E7	CORE	Develop joint Information Operations (IO) plans
E7	CORE	Develop Military Deception (MILDEC) plans
E5	NON-CORE	Develop pattern of life analysis
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E4	CORE	Disseminate Military Information Support Operations (MISO) material
E6	CORE	Evaluate Information Operations (IO) Measure of Effectiveness (MOE)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E5	NON-CORE	Implement Signals Intelligence (SIGINT) taskings

INFORMATION OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Manage Military Deception (MILDEC) plans
E4	CORE	Perform Pre-Planned Responses (PPR)
E5	CORE	Prioritize mission threats
E7	CORE	Provide feedback to national systems managers (e.g. Product Verification Review (PVR), Threat Change Analysis Request (TCAR), etc.)
E6	CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E7	CORE	Provide strategic communication plan support
E6	NON-CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

PLANNING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities
E7	NON-CORE	Assess emerging Signals Intelligence (SIGINT) threats
E7	NON-CORE	Coordinate Electronic Warfare (EW)/Information Operations (IO) with joint/allied partners
E7	CORE	Draft Electronic Warfare (EW) doctrines and bills (e.g. Antiship Missile Defense (ASMD), Passive Countermeasures System (PCMS), Emissions Control (EMCON), etc.)
E5	CORE	Draft Naval Messages (e.g. Product Verification Report (PVR), Tactical Electronic Intelligence (TACELINT), Electronic Attack (EA) request, etc.)
E7	CORE	Recommend Information Operations (IO)/Electronic Warfare (EW) mission objectives
E7	CORE	Request supporting Electronic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Schedule Electronic Warfare (EW)/Information Operations (IO) exercises
E7	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities

SECURITY AND ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Comply with Naval Cryptologic and National security requirements (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Sensitive Compartmented Information (SCI), etc.)
E6	CORE	Evaluate Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E6	CORE	Implement Emergency Action Plans (EAP)
E6	CORE	Implement Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Manage Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)

Job Title**Tactical Information Operations Specialist****Job Code****002758****Job Family**

Protective Service

NOC

TBD

Short Title (30 Characters)

TACTICAL INFO OPERATIONS SPEC

Short Title (14 Characters)

TACINF OP SPEC

Pay Plan

Enlisted

Career Field

CTT

Other Relationships and Rules

NEC's as assigned

Job Description

Tactical Information Operations Specialists operate state of the art equipment to provide a wide variety of tactical information operations support including tactical Electronic Warfare (EW) and Computer Network Operations (CNO); support direct action/special reconnaissance missions in arduous combat environments; perform preventive and corrective maintenance on Naval Special Warfare (NSW) systems used for analysis, monitoring, tracking, recognition, identification, targeting, and electronic attack; coordinate repair of Electronic Warfare (EW) systems; fabricate collection equipment as needed to support mission and collection requirements; conduct unattended/unconventional collection efforts in support of Special Operations Forces (SOF); and support ground and airborne Electronic Warfare (EW) mission and collections requirements.

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

Intercept Operators (Code and Non-Code)

DoD Code

123100

Occupation Title

Intelligence Analysts

SOC Code

33-3021.06

Job Family

Protective Service

Skills*Critical Thinking**Operation and Control**Complex Problem Solving**Judgment and Decision Making**Coordination**Management of Material Resources**Writing**Active Learning**Monitoring**Equipment Selection***Abilities***Deductive Reasoning**Inductive Reasoning**Information Ordering**Perceptual Speed**Written Expression**Written Comprehension**Problem Sensitivity**Originality**Flexibility of Closure**Mathematical Reasoning***ELECTROMAGNETIC SPECTRUM OPERATIONS****Paygrade****Task Type****Task Statements**

E5

NON-CORE

Calculate satellite vulnerabilities

E6

CORE

Construct Electromagnetic (EM) Battlespace plans (e.g. Afloat Electromagnetic Spectrum Operations Program (AESOP), Emission Control (EMCON), etc.)

E5

CORE

Determine jamming sources

E4

CORE

Identify Electromagnetic Interference (EMI)

E7

NON-CORE

Manage spectrum plans

E5

CORE

Mitigate Electromagnetic Interference (EMI)

E4

CORE

Monitor Electromagnetic (EM) spectrum

E4

CORE

Monitor own force emissions

E5

CORE

Perform unit level Electromagnetic (EM) spectrum operations

E5

CORE

Predict equipment performance characteristics based on atmospheric data

E5

CORE

Report Electromagnetic Interference (EMI)

E5

CORE

Report jamming sources

E5

CORE

Research jamming sources

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze broadcast data (e.g. national, Global Command and Control System Maritime (GCCS-M), Intelligence Broadcast System/Common Integrated Broadcast (IBS/CIB), etc.)
E4	CORE	Analyze historical Signals Of Interest (SOI) data
E4	NON-CORE	Analyze record message traffic data
E4	CORE	Analyze Signals Of Interest (SOI)
E4	CORE	Annotate Radio Detection and Ranging (RADAR) affected performance (e.g. Radio Frequency (RF), interpulse modulation, intrapulse modulation, etc.)
E4	CORE	Calculate Pulse Repetition Frequency (PRF)
E4	CORE	Calculate Radio Detection and Ranging (RADAR) parameters (e.g. Pulse Repetition Intervals (PRI), Maximum Unambiguous Ranges (MUR), minimum range, etc.)
E5	NON-CORE	Classify radar performance characteristics based on parameters
E4	CORE	Collect Signals Of Interest (SOI)
E4	CORE	Conduct analysis in the frequency domain
E4	CORE	Conduct cryptologic and intelligence briefs
E4	CORE	Configure Electronic Intelligence (ELINT)/Electronic Warfare (EW) equipment
E4	CORE	Construct Order Of Battle (OOB)
E5	CORE	Convert Radio Detection and Ranging (RADAR) parameters (e.g. linear to decibel, imperial to metric, etc.)
E4	CORE	Correlate national systems data to platform
E4	CORE	Correlate Signals Of Interest (SOI)
E4	CORE	Crossfix Signals Of Interest (SOI) intercepts
E4	CORE	Determine radar systems capabilities
E4	CORE	Determine target source utilizing Unintentional Modulation on Pulse (UMOP)
E5	CORE	Disseminate Electronic Intelligence (ELINT) data and reports (e.g. Operational Electronic Intelligence (OPELINT), Technical Electronics Intelligence (TECHELINT), etc.)
E5	CORE	Evaluate collection, analysis, and reporting
E4	NON-CORE	Evaluate signal quality
E4	CORE	Evaluate Signals Of Interest (SOI)
E4	CORE	Evaluate strategic situations (operational, tactical)
E4	CORE	Generate reports
E4	CORE	Identify interpulse modulation types (e.g. pulse constant, jitter, stagger, etc.)
E4	CORE	Identify intrapulse modulation types (e.g. unmodulated, linear frequency modulation, bi-phased shift keyed, etc.)
E4	CORE	Identify scan types
E5	CORE	Input filter management plans
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Measure Pulse Duration (PD)
E4	CORE	Measure Pulse Repetition Intervals (PRI)
E4	CORE	Measure Radio Frequency (RF) (high, low, and center tune)
E4	CORE	Measure scan times

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Perform Operational Electronic Intelligence (OPELINT) analysis (e.g. Intelligence Preparation (IPR), Maritime Domain Awareness (MDA), etc.)
E7	CORE	Prioritize Electronic Intelligence (ELINT) collection efforts
E4	CORE	Record Signals Of Interest (SOI)
E5	CORE	Report PROFORMA signals
E4	CORE	Report Signal Of Interest (SOI) (e.g. message traffic, etc.)
E4	CORE	Research Intelligence Community (IC) databases
E4	CORE	Search Electronic Intelligence (ELINT) databases
E4	CORE	Shut down Electronic Intelligence (ELINT)/Electronic Warfare (EW) equipment
E4	CORE	Startup Electronic Intelligence (ELINT) equipment
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E5	CORE	Update national databases

ELECTRONIC WARFARE OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Conduct Electronic Attacks (EA)
E4	CORE	Conduct Electronic Support (ES) operations
E5	NON-CORE	Conduct Radar Cross Section (RCS) testing
E4	CORE	Configure Electronic Warfare (EW) systems
E4	NON-CORE	Coordinate Emission Control (EMCON) conditions
E7	NON-CORE	Develop Electronic Warfare (EW) Pre Planned Responses (PPR)
E7	NON-CORE	Develop joint Electronic Warfare (EW) plans
E4	CORE	Disseminate tactical information (internal/ external)
E7	NON-CORE	Draft Electronic Warfare (EW) operational messages (e.g. Electronic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E5	CORE	Evaluate mission threats
E7	NON-CORE	Interpret test and evaluation range results (e.g. ULM-4, Passive Countermeasures System (PCMS), etc.)
E4	NON-CORE	Maintain computer systems
E4	CORE	Maintain local emitter libraries
E7	CORE	Manage Electronic Warfare (EW) operations (e.g. Emission Control (EMCON), Electronic Support (ES), countermeasures deployment, etc.)
E5	CORE	Manage system software updates
E5	CORE	Manage tactical communications (e.g. voice, chat, etc.)
E4	CORE	Perform fusion analysis
E4	CORE	Perform tactical communications (e.g. brevity codes, fleet tactical signals, etc.)
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E4	CORE	Startup Tactical Data Processors (TDP)
E5	CORE	Supervise construction of emitter libraries
E5	NON-CORE	Supervise Electronic Attack (EA) employment

ELECTRONIC WARFARE OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E4	CORE	Utilize Rapid Evaluation Guidelines (REG)
E4	CORE	Verify Emission Control (EMCON) conditions in effect

INFORMATION OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Analyze digital network communications
E5	NON-CORE	Assess altitude operating ranges for Unmanned Aerial Systems (UAS) detachments
E5	NON-CORE	Assess detection ranges for Naval Special Warfare (NSW) specific platforms
E5	NON-CORE	Assess Maritime Pattern of Life (POL) for specific vessel types in various Area of Responsibility (AOR)
E6	CORE	Assess Tactical Situations (TACSIT)
E5	NON-CORE	Build target intelligence packages
E4	CORE	Calculate threat detection envelopes
E7	NON-CORE	Certify Temporary Sensitive Compartmented Information Facility (TSCIF)
E4	CORE	Collect Information Operation (IO) asset capabilities and limitations
E5	CORE	Conduct all-source intelligence research
E5	NON-CORE	Conduct Battle Damage Assessment (BDA)
E5	NON-CORE	Conduct counter-Unmanned Aerial Systems (UAS) operations
E5	NON-CORE	Conduct ground terminal guidance
E4	CORE	Conduct Information Operations (IO) utilizing Tactical Data Processors (TDP)
E4	CORE	Conduct Military Deception (MILDEC) operations
E5	NON-CORE	Conduct non-standard collection operations/unconventional collection
E5	NON-CORE	Conduct non-traditional Signals Intelligence (SIGINT) targeting
E5	NON-CORE	Conduct Sensitive Site Exploitation (SSE) operations
E5	NON-CORE	Conduct tactical wireless communication collection
E5	NON-CORE	Conduct tactical wireless communication surveys
E5	NON-CORE	Conduct Unattended Ground Sensor (UGS) emplacement
E5	NON-CORE	Configure ground and airborne active targeting equipment
E5	NON-CORE	Configure ground and airborne Signals Intelligence (SIGINT) collection equipment
E5	CORE	Configure software-based analysis tools
E7	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets
E6	CORE	Coordinate Military Deception (MILDEC) plan support
E7	NON-CORE	Coordinate multi-unit employment of Electronic Attacks (EA)
E5	NON-CORE	Coordinate target analysis
E6	NON-CORE	Coordinate Temporary Sensitive Compartmented Information Facility (TSCIF) accreditation
E7	CORE	Develop allied and coalition Information Operations (IO)
E6	NON-CORE	Develop altitude operating range products for Unmanned Aerial Systems (UAS) detachments

INFORMATION OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	NON-CORE	Develop detection range products for Naval Special Warfare (NSW) specific platforms
E6	NON-CORE	Develop intelligence products based on Pattern of Life (POL)
E7	CORE	Develop joint Information Operations (IO) plans
E7	CORE	Develop Military Deception (MILDEC) plans
E5	NON-CORE	Develop pattern of life analysis
E5	NON-CORE	Develop real time maritime trackers
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E4	CORE	Disseminate Military Information Support Operations (MISO) material
E5	NON-CORE	Draft Tactical Intelligence Reports (Tactical Telegram (T-GRAM))
E5	NON-CORE	Establish command and control link communications for Unmanned Aerial Systems (UAS) payloads
E6	CORE	Evaluate Information Operations (IO) Measure of Effectiveness (MOE)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E5	NON-CORE	Fabricate collection equipment (Commercial Off The Shelf (COTS)/Government Off The Shelf (GOTS))
E6	NON-CORE	Identify Radio Frequency (RF) characteristics for Naval Special Warfare (NSW) specific equipment in theatre
E5	NON-CORE	Implement Signals Intelligence (SIGINT) taskings
E5	NON-CORE	Initialize ground and airborne active targeting equipment
E5	NON-CORE	Initialize ground and airborne Signals Intelligence (SIGINT) collection equipment
E7	CORE	Manage Military Deception (MILDEC) plans
E6	NON-CORE	Manage Tactical Intelligence Reports (Tactical Telegram (T-GRAM))
E7	NON-CORE	Manage Temporary Sensitive Compartmented Information Facility (TSCIF) accreditation
E5	NON-CORE	Perform asset validation
E5	NON-CORE	Perform electronic counter-surveillance
E4	CORE	Perform Pre-Planned Responses (PPR)
E5	NON-CORE	Perform Sensitive Site Exploitation (SSE) analysis
E5	NON-CORE	Perform tactical Airborne Precision Geolocation operations (APGL) / Unmanned Aerial Systems (UAS) payload operations
E5	NON-CORE	Perform tactical Precision Geolocation (PGL)
E5	NON-CORE	Perform untethered collection
E5	NON-CORE	Perform untethered signals analysis
E5	CORE	Prioritize mission threats
E7	CORE	Provide feedback to national systems managers (e.g. Product Verification Review (PVR), Threat Change Analysis Request (TCAR), etc.)
E6	CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E7	CORE	Provide strategic communication plan support
E5	NON-CORE	Provide target Positive Identification (PID)
E5	NON-CORE	Shut down ground and airborne active targeting equipment

INFORMATION OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Shut down ground and airborne Signals Intelligence (SIGINT) collection equipment
E6	NON-CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process
E6	NON-CORE	Transmit Tactical Intelligence Reports (Tactical Telegram (T-GRAM))

PLANNING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities
E7	NON-CORE	Assess emerging Signals Intelligence (SIGINT) threats
E7	NON-CORE	Coordinate Electronic Warfare (EW)/Information Operations (IO) with joint/allied partners
E7	NON-CORE	Coordinate Joint Signals Intelligence (SIGINT) collection plans
E7	NON-CORE	Deconflict national target lists in a joint environment
E7	CORE	Develop multi-unit Electronic Warfare (EW) Pre-Planned Responses (PPR)
E7	NON-CORE	Develop Special Operations Forces (SOF) Signals Intelligence (SIGINT) collection plans
E7	NON-CORE	Develop Special Operations Forces (SOF) Signals Intelligence (SIGINT) Tactics, Techniques, and Procedures (TTP)
E7	CORE	Draft Electronic Warfare (EW) doctrines and bills (e.g. Antiship Missile Defense (ASMD), Passive Countermeasures System (PCMS), Emissions Control (EMCON), etc.)
E5	CORE	Draft Naval Messages (e.g. Product Verification Report (PVR), Tactical Electronic Intelligence (TACELINT), Electronic Attack (EA) request, etc.)
E7	NON-CORE	Manage Signals Intelligence (SIGINT) equipment resource allocation with Joint forces and Intelligence Community (IC) partners
E7	NON-CORE	Manage unit priority target lists
E7	CORE	Recommend Information Operations (IO)/Electronic Warfare (EW) mission objectives
E7	CORE	Request supporting Electronic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Schedule Electronic Warfare (EW)/Information Operations (IO) exercises
E7	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities

SECURITY AND ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Comply with Naval Cryptologic and National security requirements (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Sensitive Compartmented Information (SCI), etc.)
E6	CORE	Evaluate Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E6	CORE	Implement Emergency Action Plans (EAP)

SECURITY AND ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Implement Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Manage Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)