CHAPTER 20

CRYPTOLOGIC TECHNICIAN (TECHNICAL)
(CTT)

NAVPERS 18068F-20L
Change 101

Updated: January 2025

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

CRYPTOLOGIC TECHNICIAN (TECHNICAL) (CTT)

SCOPE OF RATING

<u>Cryptologic Technicians (Technical) (CTT)</u> conduct Electromagnetic Warfare (EW) in support of National and Commander's tasking; operate and maintain electronic sensors and computer systems; collect, analyze, exploit, and disseminate Electronic Intelligence (ELINT) in accordance with National and Fleet 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, information, strike, and special warfare operations.

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

GENERAL INFORMATION

CAREER PATTERN

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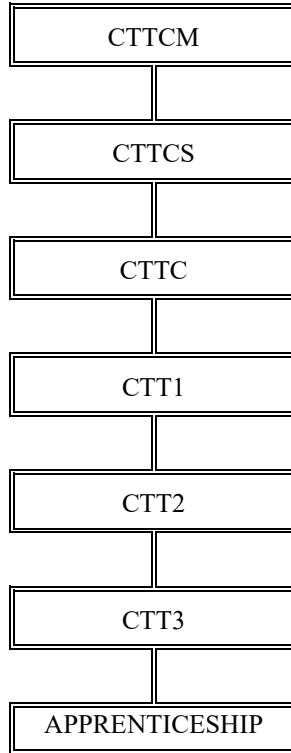
Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

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

Job Family		**NOC**	**Short Title (30 Characters)**	**Short Title (14 Characters)**
Protective Service		TBD	TECH ELECTRONIC INTELL ANALYST	ELINT ANALYST

Pay Plan	**Career Field**	**Other Relationships and Rules**
Enlisted	CTT	NEC CXXX series and other NECs 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

O*NET Relationship

Group Title	_DoD Code_	_Occupation Title_	_SOC Code_	_Job Family_
Intercept Operators (Code and Non-Code)	123100	Intelligence Analysts	33-3021.06	Protective Service

Skills	**Abilities**
Critical Thinking	_Deductive Reasoning_
Coordination	_Written Comprehension_
Management of Material Resources	_Inductive Reasoning_
Judgment and Decision Making	_Written Expression_
Operation and Control	_Information Ordering_
Complex Problem Solving	_Oral Expression_
Quality Control Analysis	_Control Precision_
Reading Comprehension	_Perceptual Speed_
Systems Analysis	_Time Sharing_
Writing	_Problem Sensitivity_

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION

Paygrade	**Task Type**	**Task Statements**
E4	CORE	Align Electromagnetic Warfare (EW) systems
E4	CORE	Analyze blueprints and platform/unit drawings
E4	CORE	Analyze equipment and system status data (e.g., Emission Control (EMCON) Tactical Situation (TACSIT), Military Deception (MILDEC), etc.
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E4	CORE	Collect equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E4	CORE	Configure display systems
E4	CORE	Configure internal communications networks
E4	CORE	Configure network systems
E7	CORE	Coordinate Electromagnetic Warfare (EW) test range runs
E4	CORE	Document equipment and system status data (e.g., Regional Maintenance Center (RMC), Destroyer Squadron (DESRON), Amphibious Squadron (PHIBRON), etc.)
E6	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Inspect work areas, tools, and equipment
E6	CORE	Interpret test and evaluation range results (e.g., ULM-4, Passive Countermeasures System (PCMS), etc.)
E4	CORE	Maintain local emitter libraries
E5	CORE	Manage system software updates
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment shutdown procedures
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment startup procedures
E4	CORE	Perform Tactical Data Processors (TDP) startup procedures
E5	CORE	Supervise Electromagnetic Warfare (EW) systems during casualty conditions
E4	CORE	Test display systems
E6	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)

ELECTROMAGNETIC SPECTRUM OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Identify Electromagnetic Interference (EMI)
E7	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 Spectrum Operations (EMSO)
E5	CORE	Predict friendly and/or adversary equipment performance characteristics based on propagation modeling utilizing parametric and atmospheric data (e.g., BUILDER, Realtime Spectrum Operations (RTSO), etc.)
E5	CORE	Report Electromagnetic Interference (EMI)
E5	CORE	Report jamming sources
E5	CORE	Research jamming sources

ELECTROMAGNETIC WARFARE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Calculate threat detection envelopes
E5	NON-CORE	Conduct Counter-Unmanned Systems (C-UxS) operations
E4	CORE	Configure Electromagnetic Warfare (EW) systems
E4	CORE	Construct local emitter libraries
E5	CORE	Evaluate Electromagnetic Warfare (EW) Measures of Effectiveness (MOE)
E5	CORE	Evaluate mission threats
E4	CORE	Implement Rapid Evaluation Guidelines (REG)

ELECTROMAGNETIC WARFARE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Lead Electromagnetic Warfare (EW) operations (e.g., Emission Control (EMCON), Electromagnetic Warfare Support (ES), countermeasures deployment, etc.)
E4	CORE	Maintain Electromagnetic Warfare (EW) status boards and logs
E7	CORE	Manage divisional equipment and system configurations
E6	CORE	Manage Electromagnetic Warfare (EW) system operations
E6	CORE	Manage Electromagnetic Warfare (EW) systems during casualty conditions
E4	CORE	Perform Electromagnetic Support (ES) operations
E4	CORE	Perform tactical communications (e.g., brevity codes, fleet tactical signals, etc.)
E5	CORE	Recommend course corrections in support of tactical operations
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E4	CORE	Report systems equipment status
E6	CORE	Supervise construction of local emitter libraries
E6	CORE	Supervise divisional equipment and system configurations
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E5	CORE	Supervise tactical communications (e.g., voice, chat, etc.)

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze historical Signals of Interest (SOI) data
E4	CORE	Analyze Signals of Interest (SOI)
E5	NON-CORE	Assemble technical kits
E4	CORE	Brief cryptologic and intelligence products
E4	NON-CORE	Calculate blind speeds
E4	CORE	Calculate Radio Detection and Ranging (RADAR) parameters
E4	CORE	Compute Radio Detection and Ranging (RADAR) performance characteristics based on parameters
E4	CORE	Configure Signals Intelligence (SIGINT) and other non-communication systems
E4	NON-CORE	Construct Order of Battle (OOB)
E4	CORE	Convert Radio Detection and Ranging (RADAR) parameters
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklists
E5	CORE	Coordinate reachback support
E4	CORE	Coordinate with respective consumer(s)
E5	NON-CORE	Coordinate within Global Signals Analysis Laboratory (GSAL) structure
E4	CORE	Correlate national systems data to platform
E4	CORE	Crossfix Signals of Interest (SOI) intercepts
E4	CORE	Determine current tactical picture
E4	CORE	Determine modulation types (i.e., intrapulse, interpulse)

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
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.)
E4	CORE	Draft reports (i.e., UNIFORM, Electronic Intelligence Technical Reports (ELT), Tactical Reports (TACREP))
E4	CORE	Evaluate signal quality
E4	CORE	Identify Radio Detection and Ranging (RADAR) systems capabilities
E4	CORE	Implement Electronic Intelligence (ELINT) collection plans
E5	CORE	Input filter management plans
E4	CORE	Interpret message traffic data in support of operations
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E5	NON-CORE	Measure Doppler shifts
E4	CORE	Obtain Order of Battle (OOB)
E4	NON-CORE	Perform frequency domain analysis
E4	CORE	Provide source of overhead systems data (e.g., ephemeris data, collector diagraph, etc.)
E5	CORE	Report PROFORMA signals
E4	CORE	Research Intelligence Community (IC) databases
E6	NON-CORE	Review post mission processing for accuracy and follow-on tasking
E4	CORE	Search Electronic Intelligence (ELINT) databases in support of mission planning and execution
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E4	CORE	Transfer data between systems (e.g., Data Transfer Agent (DTA), Department of Defense (DoD) Secure Access File Exchange (SAFE), DoD Intelligence Information System (DODIIS) One-Way Transfer Tool (DOTS), etc.)
E5	CORE	Update National databases (i.e., provide UNIFORM reports and input to National Operational Electronic Intelligence (OPELENT) Integration Database (NIODB) via the Naval Information Warfighting Development Center (NIWDC) and Navy Information Operations Command (NIOC) Pacific or NIOC Norfolk)
E5	CORE	Validate Electronic Intelligence (ELINT) logs
E7	CORE	Validate reports (i.e., UNIFORM, Tactical Reports (TACREP))
E5	CORE	Verify collection, analysis, and reporting

INFORMATION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct all-source intelligence research
E4	CORE	Conduct Battle Damage Assessment (BDA)
E5	NON-CORE	Conduct non-standard collection operations/unconventional collection
E4	CORE	Configure software-based analysis tools
E5	NON-CORE	Construct target intelligence packages
E6	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets

Paygrade	Task Type	Task Statements
E5	CORE	Coordinate target analysis
E4	CORE	Correlate Information Operation (IO) asset capabilities and limitations
E5	CORE	Develop intelligence products based on Pattern of Life (PoL)
E7	CORE	Develop joint, allied, and coalition Information Operations (IO) plans
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E4	CORE	Implement Pre-Planned Responses (PPR)
E4	CORE	Implement Signals Intelligence (SIGINT) tasking
E7	NON-CORE	Manage Signals Intelligence (SIGINT) equipment resource allocation with joint forces and Intelligence Community (IC) partners
E6	CORE	Manage watch teams
E4	CORE	Perform all-source fusion analysis
E4	CORE	Perform geolocation analysis
E4	CORE	Perform Pattern of Life (PoL) analysis
E5	CORE	Prioritize mission threats
E7	CORE	Process fleet Information Operations (IO) requirements
E6	CORE	Provide Counter Intelligence Surveillance Reconnaissance Targeting (CISRT) solutions in support of operations
E6	NON-CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide process feedback to national systems managers
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E5	CORE	Provide target Positive Identification (PID) recommendations
E5	NON-CORE	Recommend collection assets and windows of opportunity
E7	CORE	Recommend Information Operations (IO)/Electromagnetic Warfare (EW) mission objectives
E5	CORE	Recommend Tactical Situations (TACSIT)
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Initialize ground and airborne Signals Intelligence (SIGINT) collection equipment
E5	NON-CORE	Maintain mission logs
E6	NON-CORE	Nominate unique identifiers
E4	NON-CORE	Perform end-of-mission pack and wrap
E5	NON-CORE	Perform ground and airborne active targeting equipment shutdown procedures
E5	NON-CORE	Perform ground and airborne Signals Intelligence (SIGINT) collection equipment shutdown procedures
E4	NON-CORE	Review Electronic Support Measures (ESM) search plan

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO) (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Supervise end-of-mission pack and wrap
E6	NON-CORE	Update Electronic Support Measures (ESM) search plan
E7	NON-CORE	Validate Electronic Support Measures (ESM) search plan
E6	NON-CORE	Validate technical kits

NON-MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Construct mission collection plans
E5	NON-CORE	Determine collection gaps
E6	NON-CORE	Determine collection requirements
E7	NON-CORE	Direct Signals Intelligence (SIGINT) taskings
E5	CORE	Evaluate threat envelopes
E7	NON-CORE	Manage accesses on a Mission Correlation Table (MCT)
E5	NON-CORE	Perform first phase initial Electronic Intelligence (ELINT) analysis and feedback
E7	NON-CORE	Request assets and resources to meet intelligence requirements
E5	NON-CORE	Update mission collection plans

PLANNING

Paygrade	Task Type	Task Statements
E5	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E6	CORE	Assess emergent Signals Intelligence (SIGINT) threats
E7	CORE	Coordinate Information Operations (IO) experimentation and advanced capabilities initiatives
E7	CORE	Coordinate Information Operations (IO) integration across all disciplines and warfare areas
E6	CORE	Coordinate joint fires tasking
E7	NON-CORE	Coordinate joint Signals Intelligence (SIGINT) collection plans
E5	NON-CORE	Coordinate target analysis with external units
E5	NON-CORE	Coordinate with customer entities for mission and training requirements (e.g., intelligence requirements, cryptologic carry-on program (CCOP) equipment, etc.)
E6	CORE	Develop Concept of Operations (CONOP)
E7	CORE	Develop Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E7	NON-CORE	Develop Electromagnetic Warfare (EW) tactics
E7	CORE	Develop joint Electromagnetic Warfare (EW) plans
E7	CORE	Develop multi-unit Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E7	CORE	Draft Electromagnetic Warfare (EW) operational messages (e.g., Electromagnetic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Draft Naval Messages (e.g., Electromagnetic Attack (EA) request, Daily Intentions Messages (DIMS), etc.)
E4	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)

PLANNING (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage unit priority target lists
E7	CORE	Request supporting Electromagnetic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Audit Electromagnetic Warfare (EW) system password accounts
E6	CORE	Enforce naval and National security directives and instructions (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E4	CORE	Implement 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.)
E4	CORE	Inventory controlled equipment
E4	CORE	Maintain Electromagnetic Warfare (EW) systems password accounts
E5	CORE	Manage controlled equipment
E5	CORE	Sanitize data for dissemination
E6	CORE	Supervise Emergency Action Plan (EAP) operations
E5	CORE	Supervise watch teams
E4	CORE	Support Emergency Action Plans (EAP)

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E7	CORE	Coordinate Electromagnetic Warfare (EW) systems testing evolutions
E6	CORE	Coordinate equipment certifications and recertifications
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Develop training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Supervise Electromagnetic Warfare (EW) systems testing evolutions

Job Title

Surface Electromagnetic Warfare (EW) Operator

Job Code

001095

Job Family	**NOC**	**Short Title (30 Characters)**	**Short Title (14 Characters)**
Computer and Mathematical	TBD	SURFACE EW OPERATOR	SURF EW OPER

Pay Plan	**Career Field**	**Other Relationships and Rules**
Enlisted	CTT	NEC CXXX series and other NECs as assigned

Job Description

Surface Electromagnetic Warfare (EW) Operators employ electronic receivers and associated analysis and recording equipment in the collection of 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); execute tactics in accordance with doctrine; and report information to tactical and strategic commanders in support of Fleet, Theater, and National requirements.

DoD Relationship

O*NET Relationship

Group Title	_DoD Code_	_Occupation Title_	_SOC Code_	_Job Family_
Intercept Operators (Code and Non-Code)	123100	Network and Computer Systems Administrators	15-1244.00	Computer and Mathematical

Skills	**Abilities**
Critical Thinking	_Deductive Reasoning_
Management of Material Resources	_Written Comprehension_
Coordination	_Inductive Reasoning_
Quality Control Analysis	_Written Expression_
Judgment and Decision Making	_Information Ordering_
Operation and Control	_Oral Expression_
Complex Problem Solving	_Control Precision_
Systems Analysis	_Problem Sensitivity_
Reading Comprehension	_Perceptual Speed_
Writing	_Time Sharing_

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION

Paygrade	**Task Type**	**Task Statements**
E4	CORE	Align Electromagnetic Warfare (EW) systems
E4	CORE	Analyze blueprints and platform/unit drawings
E4	CORE	Analyze equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E7	CORE	Approve equipment installations, testing, and alterations
E4	CORE	Collect equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E5	CORE	Conduct Radio Detection and Ranging (RADAR) Cross Section (RCS) testing
E4	CORE	Configure auxiliary air and cooling water systems
E4	CORE	Configure display systems
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Configure internal communications networks
E4	CORE	Configure network systems
E4	CORE	Configure power conversion and distribution systems
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E6	CORE	Coordinate Combat Systems Alignment (CSA) evolutions
E6	NON-CORE	Coordinate Electromagnetic Warfare (EW) equipment installations

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Coordinate Electromagnetic Warfare (EW) equipment removals
E6	CORE	Coordinate Electromagnetic Warfare (EW) systems software, firmware installations and updates
E7	CORE	Coordinate Electromagnetic Warfare (EW) test range runs
E6	CORE	Direct weapons casualty evolutions
E4	CORE	Document equipment and system status data (e.g., Regional Maintenance Center (RMC), Destroyer Squadron (DESRON), Amphibious Squadron (PHIBRON), etc.)
E6	CORE	Draft equipment casualty reports
E6	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E4	CORE	Inspect work areas, tools, and equipment
E4	NON-CORE	Install Field Change (FC) kits
E4	CORE	Inventory General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Inventory Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Maintain alarm, safety, and warning systems
E4	CORE	Maintain Joint Tactical Terminal-Maritime/Joint Tactical Terminal-Maritime Embedded National Tactical Receiver (JTT-M/JTT-ME)
E4	CORE	Maintain local emitter libraries
E4	CORE	Maintain onboard training systems (e.g., Ship's Electronic Warfare Tactical Training (SEWTT), Battle Force Electronic Warfare Trainer (BEWT), etc.)
E4	CORE	Maintain Passive Countermeasure System (PCMS)
E7	CORE	Manage Passive Countermeasure System (PCMS) programs
E4	CORE	Perform Combat Systems Alignments (CSA)
E4	CORE	Perform corrosion prevention and control procedures on Electromagnetic Warfare (EW) systems
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment shutdown procedures
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment startup procedures
E4	CORE	Perform equipment validations
E4	CORE	Perform Tactical Data Processors (TDP) startup procedures
E5	CORE	Supervise Electromagnetic Warfare (EW) systems during casualty conditions
E6	CORE	Supervise System Operation Verification Testing (SOVT)
E7	CORE	Supervise weapons casualty evolutions
E4	CORE	Test alarm, safety, and warning systems
E4	CORE	Test auxiliary air and cooling water systems
E4	CORE	Test computer and peripheral systems
E4	CORE	Test data links
E4	CORE	Test display systems

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test Electromagnetic Warfare (EW) systems
E4	CORE	Test internal communications networks
E4	CORE	Test network systems
E4	CORE	Test power conversion and distribution systems
E5	CORE	Update Combat System (CS) smooth logs
E5	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E6	CORE	Validate Combat System (CS) smooth logs
E4	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)
E6	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E7	CORE	Verify System Operability Verification Test (SOVT)

ELECTROMAGNETIC SPECTRUM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure Own-Force Monitoring (OFM) equipment
E6	CORE	Construct Electromagnetic (EM) Battlespace plans (e.g., Real-Time Spectrum Operations (RTSO), Emission Control (EMCON), etc.)
E5	CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Identify Electromagnetic Interference (EMI)
E7	CORE	Integrate into Joint Restricted Frequency List (JRFL) process
E7	CORE	Manage spectrum plans
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Monitor own force emissions
E5	CORE	Obtain space weather reports for Electromagnetic Spectrum Operations (EMSO)
E4	CORE	Perform Own-Force Monitoring (OFM) equipment shutdown procedures
E4	CORE	Perform Own-Force Monitoring (OFM) equipment startup procedures
E5	CORE	Perform unit level Electromagnetic Spectrum Operations (EMSO)
E5	CORE	Predict friendly and/or adversary equipment performance characteristics based on propagation modeling utilizing parametric and atmospheric data (e.g., BUILDER, Realtime Spectrum Operations (RTSO), etc.)
E5	CORE	Report Electromagnetic Interference (EMI)
E5	CORE	Report jamming sources
E5	CORE	Research jamming sources
E6	CORE	Validate Electromagnetic Spectrum Operations (EMSO) documentation (e.g., Real-Time Spectrum Operations (RTSO), Hazards of Electromagnetic Radiation to Ordnance (HERO), Emission Control (EMCON), etc.)

ELECTROMAGNETIC WARFARE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Calculate threat detection envelopes
E5	CORE	Conduct Counter-Intelligence Surveillance Reconnaissance Targeting (CISRT)
E5	NON-CORE	Conduct Counter-Unmanned Systems (C-UxS) operations
E5	CORE	Conduct Electromagnetic Warfare Control Ship (EWCS) procedures
E4	CORE	Configure Common Integrated Broadcast (CIB) radio receiving equipment
E4	CORE	Configure Electromagnetic Warfare (EW) systems
E4	CORE	Configure Electromagnetic Warfare (EW) systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E4	CORE	Construct local emitter libraries
E4	CORE	Coordinate Emission Control (EMCON) conditions
E4	CORE	Deploy Electromagnetic Warfare (EW) countermeasures
E5	CORE	Evaluate Electromagnetic Warfare (EW) Measures of Effectiveness (MOE)
E5	CORE	Evaluate mission threats
E4	CORE	Implement Rapid Evaluation Guidelines (REG)
E6	CORE	Lead Electromagnetic Warfare (EW) operations (e.g., Emission Control (EMCON), Electromagnetic Warfare Support (ES), countermeasures deployment, etc.)
E4	CORE	Maintain Electromagnetic Warfare (EW) status boards and logs
E7	CORE	Manage configuration of Electromagnetic Warfare (EW) systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E7	CORE	Manage decoy handling operations (e.g., onload, offload, inventory, etc.)
E7	CORE	Manage divisional equipment and system configurations
E6	CORE	Manage Electromagnetic Warfare (EW) system operations
E6	CORE	Manage Electromagnetic Warfare (EW) systems during casualty conditions
E5	CORE	Manage transition of Electromagnetic Warfare (EW) systems between conditions of readiness
E4	CORE	Modify Electromagnetic Warfare (EW) equipment readiness conditions
E4	CORE	Modify Radio Detection and Ranging (RADAR) Signature Reduction System (RSRS) conditions
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform decoy handling operations (e.g., onload, offload, inventory, etc.)
E4	CORE	Perform Electromagnetic Attack (EA)
E4	CORE	Perform Electromagnetic Support (ES) operations
E4	CORE	Perform tactical communications (e.g., brevity codes, fleet tactical signals, etc.)

ELECTROMAGNETIC WARFARE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform weapons casualty procedures
E5	CORE	Recommend course corrections in support of tactical operations
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E4	CORE	Report systems equipment status
E5	CORE	Supervise Combat Systems Operational Sequencing System (CSOSS) operations
E5	CORE	Supervise configuration of Electromagnetic Warfare (EW) systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E6	CORE	Supervise construction of local emitter libraries
E6	CORE	Supervise decoy handling operations (e.g., onload, offload, inventory, etc.)
E6	CORE	Supervise divisional equipment and system configurations
E5	CORE	Supervise Electromagnetic Attack (EA) employment
E5	CORE	Supervise Electromagnetic Warfare (EW) countermeasure deployment
E5	CORE	Supervise Emission Control (EMCON) conditions
E5	NON-CORE	Supervise modification of doctrine status
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E5	CORE	Supervise tactical communications (e.g., voice, chat, etc.)
E5	CORE	Supervise transition of Electromagnetic Warfare (EW) systems between conditions of readiness
E4	CORE	Verify Emission Control (EMCON) conditions
E5	CORE	Verify Radio Detection and Ranging (RADAR) Signature Reduction System (RSRS) conditions

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	CORE	Analyze Signals of Interest (SOI)
E4	CORE	Brief cryptologic and intelligence products
E4	CORE	Calculate Radio Detection and Ranging (RADAR) parameters
E4	CORE	Compute Radio Detection and Ranging (RADAR) performance characteristics based on parameters
E4	CORE	Configure Signals Intelligence (SIGINT) and other non-communication systems
E4	CORE	Convert Radio Detection and Ranging (RADAR) parameters
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklists
E5	CORE	Coordinate reachback support
E4	CORE	Correlate national systems data to platform
E4	CORE	Crossfix Signals of Interest (SOI) intercepts

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Determine current tactical picture
E4	CORE	Determine modulation types (i.e., intrapulse, interpulse)
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.)
E4	CORE	Draft reports (i.e., UNIFORM, Electronic Intelligence Technical Reports (ELT), Tactical Reports (TACREP))
E4	CORE	Evaluate signal quality
E4	CORE	Identify Radio Detection and Ranging (RADAR) systems capabilities
E4	CORE	Implement Electronic Intelligence (ELINT) collection plans
E5	CORE	Input filter management plans
E4	CORE	Interpret message traffic data in support of operations
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Obtain Order of Battle (OOB)
E4	CORE	Perform Operational Electronic Intelligence (OpELINT) analysis (e.g., Intelligence Preparation (IPR), Maritime Domain Awareness (MDA), etc.)
E4	CORE	Provide source of overhead systems data (e.g., ephemeris data, collector diagraph, etc.)
E5	CORE	Report PROFORMA signals
E4	CORE	Research Intelligence Community (IC) databases
E4	CORE	Search Electronic Intelligence (ELINT) databases in support of mission planning and execution
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E4	CORE	Transfer data between systems (e.g., Data Transfer Agent (DTA), Department of Defense (DoD) Secure Access File Exchange (SAFE), DoD Intelligence Information System (DODIIS) One-Way Transfer Tool (DOTS), etc.)
E5	CORE	Update National databases (i.e., provide UNIFORM reports and input to National Operational Electronic Intelligence (OPELENT) Integration Database (NIODB) via the Naval Information Warfighting Development Center (NIWDC) and Navy Information Operations Command (NIOC) Pacific or NIOC Norfolk)
E5	CORE	Validate Electronic Intelligence (ELINT) logs
E7	CORE	Validate reports (i.e., UNIFORM, Tactical Reports (TACREP))
E5	CORE	Verify collection, analysis, and reporting

INFORMATION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct all-source intelligence research
E4	CORE	Conduct Battle Damage Assessment (BDA)
E5	NON-CORE	Conduct non-standard collection operations/unconventional collection
E4	CORE	Configure software-based analysis tools

INFORMATION OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Construct target intelligence packages
E6	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets
E6	CORE	Coordinate Military Deception (MILDEC) plan support
E7	CORE	Coordinate multi-unit employment of Electromagnetic Attacks (EA)
E4	CORE	Correlate Information Operation (IO) asset capabilities and limitations
E5	CORE	Develop intelligence products based on Pattern of Life (PoL)
E7	CORE	Develop joint, allied, and coalition Information Operations (IO) plans
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E7	CORE	Develop strike group Information Operations (IO) directives
E4	CORE	Disseminate Military Information Support Operations (MISO) material
E6	CORE	Evaluate Information Operations (IO) Measures of Effectiveness (MOE)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E4	CORE	Implement Pre-Planned Responses (PPR)
E4	CORE	Implement Signals Intelligence (SIGINT) tasking
E7	CORE	Manage Electromagnetic Warfare Control Ship (EWCS) operations
E7	CORE	Manage Information Operations (IO) postures
E7	CORE	Manage Military Deception (MILDEC) plans
E7	CORE	Manage strike group Information Operations (IO) readiness requirements
E6	CORE	Manage watch teams
E4	CORE	Perform all-source fusion analysis
E4	CORE	Perform geolocation analysis
E4	CORE	Perform Information Operations (IO) utilizing Tactical Data Processors (TDP)
E4	CORE	Perform Military Deception (MILDEC) operations
E4	CORE	Perform Pattern of Life (PoL) analysis
E5	CORE	Prioritize mission threats
E7	CORE	Process fleet Information Operations (IO) requirements
E6	CORE	Provide Counter Intelligence Surveillance Reconnaissance Targeting (CISRT) solutions in support of operations
E6	NON-CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide process feedback to national systems managers
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E5	CORE	Provide target Positive Identification (PID) recommendations
E7	CORE	Recommend Information Operations (IO)/Electromagnetic Warfare (EW) mission objectives
E5	CORE	Recommend Tactical Situations (TACSIT)
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Review Electronic Support Measures (ESM) search plan
E6	NON-CORE	Update Electronic Support Measures (ESM) search plan
E7	NON-CORE	Validate Electronic Support Measures (ESM) search plan
E5	CORE	Evaluate threat envelopes

PLANNING

Paygrade	Task Type	Task Statements
E5	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E6	CORE	Assess emergent Signals Intelligence (SIGINT) threats
E6	CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) exercises
E7	NON-CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) with joint/allied partners
E7	CORE	Coordinate Information Operations (IO) experimentation and advanced capabilities initiatives
E7	CORE	Coordinate Information Operations (IO) integration across all disciplines and warfare areas
E6	CORE	Coordinate joint fires tasking
E7	NON-CORE	Coordinate Underway Strike Group Electromagnetic Warfare (EW) system maintenance
E6	CORE	Develop Concept of Operations (CONOP)
E6	CORE	Develop data for Electromagnetic Warfare (EW) Doctrine Review Board (DRB)
E7	CORE	Develop Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E7	NON-CORE	Develop Electromagnetic Warfare (EW) tactics
E7	CORE	Develop joint Electromagnetic Warfare (EW) plans
E7	CORE	Develop multi-unit Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E6	CORE	Develop Real-Time Spectrum Operations (RTSO) plans
E7	CORE	Develop Signals Intelligence (SIGINT)/Electromagnetic Warfare (EW) plans
E7	CORE	Develop Signals Intelligence (SIGINT)/Electromagnetic Warfare (EW) tactics
E6	CORE	Draft Electromagnetic Warfare (EW) doctrines and bills (e.g., Anti-ship Missile Defense (ASMD), Passive Countermeasures System (PCMS), Emissions Control (EMCON), etc.)
E7	CORE	Draft Electromagnetic Warfare (EW) operational messages (e.g., Electromagnetic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Draft Naval Messages (e.g., Electromagnetic Attack (EA) request, Daily Intentions Messages (DIMS), etc.)
E4	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)
E7	CORE	Manage unit priority target lists

PLANNING (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Request supporting Electromagnetic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E7	CORE	Validate data for Electromagnetic Warfare (EW) Doctrine Review Board (DRB)
E7	CORE	Validate Real-Time Spectrum Operations (RTSO) plans

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Audit Electromagnetic Warfare (EW) system password accounts
E6	CORE	Enforce naval and National security directives and instructions (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E4	CORE	Implement 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.)
E4	CORE	Inventory controlled equipment
E4	CORE	Inventory Electromagnetic Warfare (EW) system software and firmware
E4	CORE	Maintain Electromagnetic Warfare (EW) systems password accounts
E5	CORE	Manage controlled equipment
E5	CORE	Sanitize data for dissemination
E6	CORE	Supervise Emergency Action Plan (EAP) operations
E5	CORE	Supervise watch teams
E4	CORE	Support Emergency Action Plans (EAP)

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Configure Electromagnetic Warfare (EW) systems for training and testing evolutions
E6	CORE	Coordinate Combat Systems Training Team (CSTT) drills
E7	CORE	Coordinate Electromagnetic Warfare (EW) systems testing evolutions
E6	CORE	Coordinate equipment certifications and recertifications
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Develop training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E6	CORE	Draft Combat Systems Training Team (CSTT) drill guides
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Implement Combat Systems Training Team (CSTT) drills
E7	CORE	Manage Information Operations (IO) training requirements

TRAINING AND CERTIFICATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Supervise Electromagnetic Warfare (EW) systems testing evolutions
E7	CORE	Validate Combat Systems Training Team (CSTT) drill guides
E6	CORE	Validate training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E7	CORE	Verify Integrated and advanced phase training requirements (e.g., Naval Mission Essential Task List (NMETL), Naval Task (NTA), Advanced Pre-Deployment Training (APDT), etc.)

Job Title

Surface Electromagnetic Warfare (EW) Maintainer

Job Code

002676

Job Family	**NOC**	**Short Title (30 Characters)**	**Short Title (14 Characters)**
Computer and Mathematical	TBD	SURFACE EW MAINTAINER	SURF EW MAINT

Pay Plan	**Career Field**	**Other Relationships and Rules**
Enlisted	CTT	NEC CXXX series and other NECs as assigned

Job Description

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

DoD Relationship

O*NET Relationship

Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Intercept Operators and Mathematical Non-Code)	123100	Network and Computer Systems Administrators	15-1244.00	Code and Computer

Skills	**Abilities**
Critical Thinking	*Deductive Reasoning*
Management of Material Resources	*Written Comprehension*
Coordination	*Inductive Reasoning*
Quality Control Analysis	*Written Expression*
Judgment and Decision Making	*Control Precision*
Operation and Control	*Information Ordering*
Complex Problem Solving	*Oral Expression*
Systems Evaluation	*Problem Sensitivity*
Equipment Maintenance	*Perceptual Speed*
Systems Analysis	*Time Sharing*

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION

Paygrade	**Task Type**	**Task Statements**
E4	CORE	Align Electromagnetic Warfare (EW) systems
E4	CORE	Analyze blueprints and platform/unit drawings
E4	CORE	Analyze equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E7	CORE	Approve equipment installations, testing, and alterations
E4	CORE	Collect equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E5	CORE	Conduct Radio Detection and Ranging (RADAR) Cross Section (RCS) testing
E4	CORE	Configure auxiliary air and cooling water systems
E4	CORE	Configure display systems
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Configure internal communications networks
E4	CORE	Configure network systems
E4	CORE	Configure power conversion and distribution systems
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E6	CORE	Coordinate Combat Systems Alignment (CSA) evolutions
E6	NON-CORE	Coordinate Electromagnetic Warfare (EW) equipment installations

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION(CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Coordinate Electromagnetic Warfare (EW) equipment removals
E6	CORE	Coordinate Electromagnetic Warfare (EW) systems software, firmware installations and updates
E7	CORE	Coordinate Electromagnetic Warfare (EW) test range runs
E6	CORE	Direct weapons casualty evolutions
E4	CORE	Document equipment and system status data (e.g., Regional Maintenance Center (RMC), Destroyer Squadron (DESRON), Amphibious Squadron (PHIBRON), etc.)
E6	CORE	Draft equipment casualty reports
E6	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E4	CORE	Inspect work areas, tools, and equipment
E5	CORE	Install equipment and alterations
E4	NON-CORE	Install Field Change (FC) kits
E6	CORE	Interpret test and evaluation range results (e.g., ULM-4, Passive Countermeasures System (PCMS), etc.)
E4	CORE	Inventory General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Inventory Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Maintain alarm, safety, and warning systems
E4	CORE	Maintain Joint Tactical Terminal-Maritime/Joint Tactical Terminal-Maritime Embedded National Tactical Receiver (JTT-M/JTT-ME)
E4	CORE	Maintain local emitter libraries
E4	CORE	Maintain network systems
E4	CORE	Maintain onboard training systems (e.g., Ship's Electronic Warfare Tactical Training (SEWTT), Battle Force Electronic Warfare Trainer (BEWT), etc.)
E4	CORE	Maintain Passive Countermeasure System (PCMS)
E7	CORE	Manage Passive Countermeasure System (PCMS) programs
E5	CORE	Manage system software updates
E4	CORE	Perform Combat Systems Alignments (CSA)
E4	CORE	Perform corrosion prevention and control procedures on Electromagnetic Warfare (EW) systems
E4	CORE	Perform Electromagnetic Warfare (EW) systems software, firmware installations and updates
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment shutdown procedures
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment startup procedures
E4	CORE	Perform equipment validations
E4	CORE	Perform Tactical Data Processors (TDP) startup procedures
E4	CORE	Repair Alternating Current (AC) circuits

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Repair auxiliary air and cooling water systems
E4	CORE	Repair computer and peripheral systems
E4	CORE	Repair Direct Current (DC) circuits
E4	CORE	Repair display systems
E4	CORE	Repair Electromagnetic Warfare (EW) systems
E5	NON-CORE	Repair fiber optic cables and connectors
E5	NON-CORE	Repair interconnecting cables and connectors
E4	NON-CORE	Repair network systems
E4	CORE	Repair power conversion and distribution systems
E4	CORE	Replace computer and peripheral systems
E4	CORE	Replace digital circuits
E4	CORE	Replace electromechanical (synchro/servo) systems
E4	NON-CORE	Replace fiber optic cables and connectors
E4	CORE	Replace power supplies
E4	CORE	Replace Radio Frequency (RF) components
E5	CORE	Supervise Electromagnetic Warfare (EW) systems during casualty conditions
E5	CORE	Supervise Electromagnetic Warfare (EW) systems software, firmware installations, and updates
E5	CORE	Supervise equipment installations, testing, and alterations
E6	CORE	Supervise System Operation Verification Testing (SOVT)
E7	CORE	Supervise weapons casualty evolutions
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center maintenance operations
E4	CORE	Test alarm, safety, and warning systems
E4	CORE	Test Alternating Current (AC) circuits
E4	CORE	Test auxiliary air and cooling water systems
E4	CORE	Test computer and peripheral systems
E4	CORE	Test data links
E4	CORE	Test digital circuits
E4	CORE	Test Direct Current (DC) circuits
E4	CORE	Test display systems
E4	CORE	Test Electromagnetic Warfare (EW) systems
E4	CORE	Test electromechanical (synchro/servo) systems
E4	NON-CORE	Test fiber optic cables and connectors
E4	CORE	Test interconnecting cables and connectors
E4	CORE	Test internal communications networks
E4	CORE	Test network systems
E4	CORE	Test power conversion and distribution systems

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Test power supplies
E4	CORE	Test Radio Frequency (RF) components
E4	CORE	Troubleshoot Alternating Current (AC) circuits
E4	CORE	Troubleshoot auxiliary air and cooling water systems
E4	CORE	Troubleshoot computer and peripheral systems
E4	CORE	Troubleshoot digital circuits
E4	CORE	Troubleshoot Direct Current (DC) circuits
E4	CORE	Troubleshoot display systems
E4	CORE	Troubleshoot Electromagnetic Warfare (EW) systems
E4	CORE	Troubleshoot electromechanical (synchro/servo) systems
E4	NON-CORE	Troubleshoot fiber optic cables and connectors
E4	CORE	Troubleshoot interconnecting cables and connectors
E4	CORE	Troubleshoot internal communications networks
E4	CORE	Troubleshoot network systems
E4	CORE	Troubleshoot power conversion and distribution systems
E4	CORE	Troubleshoot power supplies
E4	CORE	Troubleshoot Radio Frequency (RF) components
E5	CORE	Update Combat System (CS) smooth logs
E5	CORE	Update Combat Systems Operational Sequencing System (CSOSS)
E6	CORE	Validate Combat System (CS) smooth logs
E4	CORE	Validate Combat Systems Operational Sequencing System (CSOSS)
E6	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure from Specifications (DFS), etc.)
E7	CORE	Verify System Operability Verification Test (SOVT)

ELECTROMAGNETIC SPECTRUM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure Own-Force Monitoring (OFM) equipment
E6	CORE	Construct Electromagnetic (EM) Battlespace plans (e.g., Real-Time Spectrum Operations (RTSO), Emission Control (EMCON), etc.)
E5	CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Identify Electromagnetic Interference (EMI)
E7	CORE	Integrate into Joint Restricted Frequency List (JRFL) process
E7	CORE	Manage spectrum plans
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Monitor own force emissions
E5	CORE	Obtain space weather reports for Electromagnetic Spectrum Operations (EMSO)

ELECTROMAGNETIC SPECTRUM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Own-Force Monitoring (OFM) equipment shutdown procedures
E4	CORE	Perform Own-Force Monitoring (OFM) equipment startup procedures
E5	CORE	Perform unit level Electromagnetic Spectrum Operations (EMSO)
E5	CORE	Predict friendly and/or adversary equipment performance characteristics based on propagation modeling utilizing parametric and atmospheric data (e.g., BUILDER, Realtime Spectrum Operations (RTSO), etc.)
E5	CORE	Report Electromagnetic Interference (EMI)
E5	CORE	Report jamming sources
E5	CORE	Research jamming sources
E6	CORE	Validate Electromagnetic Spectrum Operations (EMSO) documentation (e.g., Real-Time Spectrum Operations (RTSO), Hazards of Electromagnetic Radiation to Ordnance (HERO), Emission Control (EMCON), etc.)

ELECTROMAGNETIC WARFARE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Calculate threat detection envelopes
E5	CORE	Conduct Counter-Intelligence Surveillance Reconnaissance Targeting (CISRT)
E5	NON-CORE	Conduct Counter-Unmanned Systems (C-UxS) operations
E5	CORE	Conduct Electromagnetic Warfare Control Ship (EWCS) procedures
E4	CORE	Configure Common Integrated Broadcast (CIB) radio receiving equipment
E4	CORE	Configure Electromagnetic Warfare (EW) systems
E4	CORE	Configure Electromagnetic Warfare (EW) systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E4	CORE	Construct local emitter libraries
E4	CORE	Coordinate Emission Control (EMCON) conditions
E4	CORE	Deploy Electromagnetic Warfare (EW) countermeasures
E5	CORE	Evaluate Electromagnetic Warfare (EW) Measures of Effectiveness (MOE)
E5	CORE	Evaluate mission threats
E4	CORE	Implement Rapid Evaluation Guidelines (REG)
E6	CORE	Lead Electromagnetic Warfare (EW) operations (e.g., Emission Control (EMCON), Electromagnetic Warfare Support (ES), countermeasures deployment, etc.)
E4	CORE	Maintain Electromagnetic Warfare (EW) status boards and logs
E7	CORE	Manage configuration of Electromagnetic Warfare (EW) systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E7	CORE	Manage decoy handling operations (e.g., onload, offload, inventory, etc.)
E7	CORE	Manage divisional equipment and system configurations
E6	CORE	Manage Electromagnetic Warfare (EW) system operations
E6	CORE	Manage Electromagnetic Warfare (EW) systems during casualty conditions

ELECTROMAGNETIC WARFARE OPERATIONS (CONT'D)

Paygrade	**Task Type**	**Task Statements**
E5	CORE	Manage transition of Electromagnetic Warfare (EW) systems between conditions of readiness
E4	CORE	Modify Electromagnetic Warfare (EW) equipment readiness conditions
E4	CORE	Modify Radio Detection and Ranging (RADAR) Signature Reduction System (RSRS) conditions
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform decoy handling operations (e.g., onload, offload, inventory, etc.)
E4	CORE	Perform Electromagnetic Attack (EA)
E4	CORE	Perform Electromagnetic Support (ES) operations
E4	CORE	Perform tactical communications (e.g., brevity codes, fleet tactical signals, etc.)
E4	CORE	Perform weapons casualty procedures
E5	CORE	Recommend course corrections in support of tactical operations
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E4	CORE	Report systems equipment status
E5	CORE	Supervise Combat Systems Operational Sequencing System (CSOSS) operations
E5	CORE	Supervise configuration of Electromagnetic Warfare (EW) systems for conditions of Hazards of Electromagnetic Radiation to Ordnance (HERO), Hazards of Electromagnetic Radiation to Personnel (HERP), and Hazards of Electromagnetic Radiation to Fuel (HERF)
E6	CORE	Supervise construction of local emitter libraries
E6	CORE	Supervise decoy handling operations (e.g., onload, offload, inventory, etc.)
E6	CORE	Supervise divisional equipment and system configurations
E5	CORE	Supervise Electromagnetic Attack (EA) employment
E5	CORE	Supervise Electromagnetic Warfare (EW) countermeasure deployment
E5	CORE	Supervise Emission Control (EMCON) conditions
E5	NON-CORE	Supervise modification of doctrine status
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E5	CORE	Supervise tactical communications (e.g., voice, chat, etc.)
E5	CORE	Supervise transition of Electromagnetic Warfare (EW) systems between conditions of readiness
E4	CORE	Verify Emission Control (EMCON) conditions
E5	CORE	Verify Radio Detection and Ranging (RADAR) Signature Reduction System (RSRS) conditions

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	CORE	Analyze Signals of Interest (SOI)
E4	CORE	Brief cryptologic and intelligence products
E4	CORE	Calculate Radio Detection and Ranging (RADAR) parameters
E4	CORE	Compute Radio Detection and Ranging (RADAR) performance characteristics based on parameters
E4	CORE	Configure Signals Intelligence (SIGINT) and other non-communication systems
E4	CORE	Convert Radio Detection and Ranging (RADAR) parameters
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklists
E5	CORE	Coordinate reachback support
E4	CORE	Correlate national systems data to platform
E4	CORE	Crossfix Signals of Interest (SOI) intercepts
E4	CORE	Determine current tactical picture
E4	CORE	Determine modulation types (i.e., intrapulse, interpulse)
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.)
E4	CORE	Draft reports (i.e., UNIFORM, Electronic Intelligence Technical Reports (ELT), Tactical Reports (TACREP))
E4	CORE	Evaluate signal quality
E4	CORE	Identify Radio Detection and Ranging (RADAR) systems capabilities
E4	CORE	Implement Electronic Intelligence (ELINT) collection plans
E5	CORE	Input filter management plans
E4	CORE	Interpret message traffic data in support of operations
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Obtain Order of Battle (OOB)
E4	CORE	Perform Operational Electronic Intelligence (OpELINT) analysis (e.g., Intelligence Preparation (IPR), Maritime Domain Awareness (MDA), etc.)
E4	CORE	Provide source of overhead systems data (e.g., ephemeris data, collector diagraph, etc.)
E5	CORE	Report PROFORMA signals
E4	CORE	Research Intelligence Community (IC) databases

Paygrade	Task Type	Task Statements
E4	CORE	Search Electronic Intelligence (ELINT) databases in support of mission planning and execution
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E4	CORE	Transfer data between systems (e.g., Data Transfer Agent (DTA), Department of Defense (DoD) Secure Access File Exchange (SAFE), DoD Intelligence Information System (DODIIS) One-Way Transfer Tool (DOTS), etc.)
E5	CORE	Update National databases (i.e., provide UNIFORM reports and input to National Operational Electronic Intelligence (OPELENT) Integration Database (NIODB) via the Naval Information Warfighting Development Center (NIWDC) and Navy Information Operations Command (NIOC) Pacific or NIOC Norfolk)
E5	CORE	Validate Electronic Intelligence (ELINT) logs
E7	CORE	Validate reports (i.e., UNIFORM, Tactical Reports (TACREP))
E5	CORE	Verify collection, analysis, and reporting

INFORMATION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct all-source intelligence research
E4	CORE	Conduct Battle Damage Assessment (BDA)
E5	NON-CORE	Conduct non-standard collection operations/unconventional collection
E4	CORE	Configure software-based analysis tools
E5	NON-CORE	Construct target intelligence packages
E6	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets
E6	CORE	Coordinate Military Deception (MILDEC) plan support
E7	CORE	Coordinate multi-unit employment of Electromagnetic Attacks (EA)
E4	CORE	Correlate Information Operation (IO) asset capabilities and limitations
E5	CORE	Develop intelligence products based on Pattern of Life (PoL)
E7	CORE	Develop joint, allied, and coalition Information Operations (IO) plans
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E7	CORE	Develop strike group Information Operations (IO) directives
E4	CORE	Disseminate Military Information Support Operations (MISO) material
E6	CORE	Evaluate Information Operations (IO) Measures of Effectiveness (MOE)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E4	CORE	Implement Pre-Planned Responses (PPR)
E4	CORE	Implement Signals Intelligence (SIGINT) tasking
E7	CORE	Manage Electromagnetic Warfare Control Ship (EWCS) operations
E7	CORE	Manage Information Operations (IO) postures
E7	CORE	Manage Military Deception (MILDEC) plans
E7	CORE	Manage strike group Information Operations (IO) readiness requirements
E6	CORE	Manage watch teams
E4	CORE	Perform all-source fusion analysis
E4	CORE	Perform geolocation analysis

INFORMATION OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Information Operations (IO) utilizing Tactical Data Processors (TDP)
E4	CORE	Perform Military Deception (MILDEC) operations
E4	CORE	Perform Pattern of Life (PoL) analysis
E5	CORE	Prioritize mission threats
E7	CORE	Process fleet Information Operations (IO) requirements
E6	CORE	Provide Counter Intelligence Surveillance Reconnaissance Targeting (CISRT) solutions in support of operations
E6	NON-CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide process feedback to national systems managers
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E5	CORE	Provide target Positive Identification (PID) recommendations
E7	CORE	Recommend Information Operations (IO)/Electromagnetic Warfare (EW) mission objectives
E5	CORE	Recommend Tactical Situations (TACSIT)
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Review Electronic Support Measures (ESM) search plan
E6	NON-CORE	Update Electronic Support Measures (ESM) search plan
E7	NON-CORE	Validate Electronic Support Measures (ESM) search plan

NON-MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E5	CORE	Evaluate threat envelopes

PLANNING

Paygrade	Task Type	Task Statements
E5	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E6	CORE	Assess emergent Signals Intelligence (SIGINT) threats
E6	CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) exercises
E7	NON-CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) with joint/allied partners
E7	CORE	Coordinate Information Operations (IO) experimentation and advanced capabilities initiatives
E7	CORE	Coordinate Information Operations (IO) integration across all disciplines and warfare areas
E6	CORE	Coordinate joint fires tasking
E7	NON-CORE	Coordinate Underway Strike Group Electromagnetic Warfare (EW) system maintenance

Paygrade	Task Type	Task Statements
E6	CORE	Develop Concept of Operations (CONOP)
E6	CORE	Develop data for Electromagnetic Warfare (EW) Doctrine Review Board (DRB)
E7	CORE	Develop Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E7	NON-CORE	Develop Electromagnetic Warfare (EW) tactics
E7	CORE	Develop joint Electromagnetic Warfare (EW) plans
E7	CORE	Develop multi-unit Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E6	CORE	Develop Real-Time Spectrum Operations (RTSO) plans
E7	CORE	Develop Signals Intelligence (SIGINT)/Electromagnetic Warfare (EW) plans
E7	CORE	Develop Signals Intelligence (SIGINT)/Electromagnetic Warfare (EW) tactics
E6	CORE	Draft Electromagnetic Warfare (EW) doctrines and bills (e.g., Anti-ship Missile Defense (ASMD), Passive Countermeasures System (PCMS), Emissions Control (EMCON), etc.)
E7	CORE	Draft Electromagnetic Warfare (EW) operational messages (e.g., Electromagnetic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Draft Naval Messages (e.g., Electromagnetic Attack (EA) request, Daily Intentions Messages (DIMS), etc.)
E4	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)
E7	CORE	Manage unit priority target lists
E7	CORE	Request supporting Electromagnetic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E7	CORE	Validate data for Electromagnetic Warfare (EW) Doctrine Review Board (DRB)
E7	CORE	Validate Real-Time Spectrum Operations (RTSO) plans

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Audit Electromagnetic Warfare (EW) system password accounts
E6	CORE	Enforce naval and National security directives and instructions (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E4	CORE	Implement 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.)
E4	CORE	Inventory controlled equipment
E4	CORE	Inventory Electromagnetic Warfare (EW) system software and firmware
E4	CORE	Maintain Electromagnetic Warfare (EW) systems password accounts
E5	CORE	Manage controlled equipment
E5	CORE	Sanitize data for dissemination

SECURITY AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Supervise Emergency Action Plan (EAP) operations
E5	CORE	Supervise watch teams
E4	CORE	Support Emergency Action Plans (EAP)

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Configure Electromagnetic Warfare (EW) systems for training and testing evolutions
E6	CORE	Coordinate Combat Systems Training Team (CSTT) drills
E7	CORE	Coordinate Electromagnetic Warfare (EW) systems testing evolutions
E6	CORE	Coordinate equipment certifications and recertifications
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Develop training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E6	CORE	Draft Combat Systems Training Team (CSTT) drill guides
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Implement Combat Systems Training Team (CSTT) drills
E7	CORE	Manage Information Operations (IO) training requirements
E5	CORE	Supervise Electromagnetic Warfare (EW) systems testing evolutions
E7	CORE	Validate Combat Systems Training Team (CSTT) drill guides
E6	CORE	Validate training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E7	CORE	Verify Integrated and advanced phase training requirements (e.g., Naval Mission Essential Task List (NMETL), Naval Task (NTA), Advanced Pre-Deployment Training (APDT), etc.)

Job Title
Information Operations Planner

Job Code
002677

Job Family	**NOC**	**Short Title (30 Characters)**	**Short Title (14 Characters)**
Protective Service	TBD	INFORMATION OPS PLANNER	INFO OPS PLNR

Pay Plan	**Career Field**	**Other Relationships and Rules**
Enlisted	CTT	NEC CXXX series and other NECs as assigned

Job Description

Information Operations Planners maintain Information Operations (IO)/Electromagnetic Warfare (EW) readiness; ensure IO core competency mission objectives are met; collaborate with Warfare Commanders to ensure IO planning is executed as part of the overall mission; develop spectrum management plans, Military Deception (MILDEC) plans, IO doctrine, Emission Control (EMCON) plans, Operations Security (OPSEC) directives, Military Information Support Operations (MISO), integrated fires, battlespace awareness, Assured Command and Control (C2), and Pre-Planned Responses (PPR); and schedule and execute training to maintain IO/EW readiness.

DoD Relationship

Group Title	*DoD Code*
Intercept Operators (Code and Non-Code)	123100

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Intelligence Analysts	33-3021.06	Protective Service

Skills

Critical Thinking

Coordination

Management of Material Resources

Judgment and Decision Making

Complex Problem Solving

Quality Control Analysis

Operation and Control

Reading Comprehension

Writing

Monitoring

Abilities

Deductive Reasoning

Inductive Reasoning

Written Expression

Written Comprehension

Information Ordering

Oral Expression

Perceptual Speed

Time Sharing

Problem Sensitivity

Originality

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION

Paygrade	**Task Type**	**Task Statements**
E4	CORE	Analyze equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E4	CORE	Collect equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E4	CORE	Configure display systems
E6	NON-CORE	Coordinate Electromagnetic Warfare (EW) equipment installations
E6	NON-CORE	Coordinate Electromagnetic Warfare (EW) equipment removals
E7	CORE	Coordinate Electromagnetic Warfare (EW) test range runs
E4	CORE	Document equipment and system status data (e.g., Regional Maintenance Center (RMC), Destroyer Squadron (DESRON), Amphibious Squadron (PHIBRON), etc.)
E6	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E4	CORE	Inspect work areas, tools, and equipment
E6	CORE	Interpret test and evaluation range results (e.g., ULM-4, Passive Countermeasures System (PCMS), etc.)
E7	CORE	Manage Passive Countermeasure System (PCMS) programs
E4	CORE	Perform Tactical Data Processors (TDP) startup procedures
E5	CORE	Supervise Electromagnetic Warfare (EW) systems during casualty conditions
E4	CORE	Test display systems

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure from Specifications (DFS), etc.)

ELECTROMAGNETIC SPECTRUM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure Own-Force Monitoring (OFM) equipment
E6	CORE	Construct Electromagnetic (EM) Battlespace plans (e.g., Real-Time Spectrum Operations (RTSO), Emission Control (EMCON), etc.)
E5	CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Identify Electromagnetic Interference (EMI)
E7	CORE	Integrate into Joint Restricted Frequency List (JRFL) process
E7	CORE	Manage spectrum plans
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Monitor own force emissions
E5	CORE	Obtain space weather reports for Electromagnetic Spectrum Operations (EMSO)
E4	CORE	Perform Own-Force Monitoring (OFM) equipment shutdown procedures
E4	CORE	Perform Own-Force Monitoring (OFM) equipment startup procedures
E5	CORE	Predict friendly and/or adversary equipment performance characteristics based on propagation modeling utilizing parametric and atmospheric data (e.g., BUILDER, Realtime Spectrum Operations (RTSO), etc.)
E5	CORE	Report Electromagnetic Interference (EMI)
E5	CORE	Report jamming sources
E5	CORE	Research jamming sources
E6	CORE	Validate Electromagnetic Spectrum Operations (EMSO) documentation (e.g., Real-Time Spectrum Operations (RTSO), Hazards of Electromagnetic Radiation to Ordnance (HERO), Emission Control (EMCON), etc.)

ELECTROMAGNETIC WARFARE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Calculate threat detection envelopes
E5	CORE	Conduct Counter-Intelligence Surveillance Reconnaissance Targeting (CISRT)
E5	NON-CORE	Conduct Counter-Unmanned Systems (C-UxS) operations
E4	CORE	Coordinate Emission Control (EMCON) conditions
E5	CORE	Evaluate Electromagnetic Warfare (EW) Measures of Effectiveness (MOE)
E5	CORE	Evaluate mission threats
E4	CORE	Implement Rapid Evaluation Guidelines (REG)
E6	CORE	Lead Electromagnetic Warfare (EW) operations (e.g., Emission Control (EMCON), Electromagnetic Warfare Support (ES), countermeasures deployment, etc.)
E4	CORE	Maintain Electromagnetic Warfare (EW) status boards and logs
E7	CORE	Manage divisional equipment and system configurations
E6	CORE	Manage Electromagnetic Warfare (EW) system operations

ELECTROMAGNETIC WARFARE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage Electromagnetic Warfare (EW) systems during casualty conditions
E5	CORE	Manage transition of Electromagnetic Warfare (EW) systems between conditions of readiness
E4	CORE	Modify Electromagnetic Warfare (EW) equipment readiness conditions
E4	CORE	Perform Electromagnetic Support (ES) operations
E4	CORE	Perform tactical communications (e.g., brevity codes, fleet tactical signals, etc.)
E5	CORE	Recommend course corrections in support of tactical operations
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E4	CORE	Report systems equipment status
E6	CORE	Supervise construction of local emitter libraries
E6	CORE	Supervise divisional equipment and system configurations
E5	CORE	Supervise Electromagnetic Attack (EA) employment
E5	CORE	Supervise Electromagnetic Warfare (EW) countermeasure deployment
E5	CORE	Supervise Emission Control (EMCON) conditions
E5	NON-CORE	Supervise modification of doctrine status
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E5	CORE	Supervise tactical communications (e.g., voice, chat, etc.)
E5	CORE	Supervise transition of Electromagnetic Warfare (EW) systems between conditions of readiness
E4	CORE	Verify Emission Control (EMCON) conditions
E5	CORE	Verify Radio Detection and Ranging (RADAR) Signature Reduction System (RSRS) conditions

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Analyze historical Signals of Interest (SOI) data
E4	CORE	Analyze Signals of Interest (SOI)
E4	CORE	Brief cryptologic and intelligence products
E4	CORE	Configure Signals Intelligence (SIGINT) and other non-communication systems
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklists
E5	CORE	Coordinate reachback support
E4	CORE	Coordinate with respective consumer(s)
E4	CORE	Crossfix Signals of Interest (SOI) intercepts
E4	CORE	Determine current tactical picture
E5	CORE	Disseminate Electronic Intelligence (ELINT) data and reports (e.g., Operational Electronic Intelligence (OpELINT), Technical Electronics Intelligence (TechELINT), etc.)
E4	CORE	Draft reports (i.e., UNIFORM, Electronic Intelligence Technical Reports (ELT), Tactical Reports (TACREP))
E4	CORE	Identify Radio Detection and Ranging (RADAR) systems capabilities
E4	CORE	Implement Electronic Intelligence (ELINT) collection plans

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Input filter management plans
E4	CORE	Interpret message traffic data in support of operations
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Obtain Order of Battle (OOB)
E4	CORE	Perform Operational Electronic Intelligence (OpELINT) analysis (e.g., Intelligence Preparation (IPR), Maritime Domain Awareness (MDA), etc.)
E4	CORE	Research Intelligence Community (IC) databases
E4	CORE	Search Electronic Intelligence (ELINT) databases in support of mission planning and execution
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E5	CORE	Validate Electronic Intelligence (ELINT) logs
E7	CORE	Validate reports (i.e., UNIFORM, Tactical Reports (TACREP))
E5	CORE	Verify collection, analysis, and reporting

INFORMATION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct all-source intelligence research
E4	CORE	Conduct Battle Damage Assessment (BDA)
E4	CORE	Configure software-based analysis tools
E5	NON-CORE	Construct target intelligence packages
E6	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets
E6	CORE	Coordinate Military Deception (MILDEC) plan support
E7	CORE	Coordinate multi-unit employment of Electromagnetic Attacks (EA)
E5	CORE	Coordinate target analysis
E4	CORE	Correlate Information Operation (IO) asset capabilities and limitations
E5	CORE	Develop intelligence products based on Pattern of Life (PoL)
E7	CORE	Develop joint, allied, and coalition Information Operations (IO) plans
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E7	CORE	Develop strike group Information Operations (IO) directives
E4	CORE	Disseminate Military Information Support Operations (MISO) material
E6	CORE	Evaluate Information Operations (IO) Measures of Effectiveness (MOE)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E4	CORE	Implement Pre-Planned Responses (PPR)
E4	CORE	Implement Signals Intelligence (SIGINT) tasking
E7	CORE	Manage Electromagnetic Warfare Control Ship (EWCS) operations
E7	CORE	Manage Information Operations (IO) postures
E7	CORE	Manage Military Deception (MILDEC) plans
E7	NON-CORE	Manage Signals Intelligence (SIGINT) equipment resource allocation with joint forces and Intelligence Community (IC) partners
E7	CORE	Manage strike group Information Operations (IO) readiness requirements

INFORMATION OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Manage watch teams
E4	CORE	Perform all-source fusion analysis
E4	CORE	Perform geolocation analysis
E4	CORE	Perform Information Operations (IO) utilizing Tactical Data Processors (TDP)
E4	CORE	Perform Military Deception (MILDEC) operations
E4	CORE	Perform Pattern of Life (PoL) analysis
E5	CORE	Prioritize mission threats
E7	CORE	Process fleet Information Operations (IO) requirements
E6	CORE	Provide Counter Intelligence Surveillance Reconnaissance Targeting (CISRT) solutions in support of operations
E6	NON-CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide process feedback to national systems managers
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E5	NON-CORE	Recommend collection assets and windows of opportunity
E7	CORE	Recommend Information Operations (IO)/Electromagnetic Warfare (EW) mission objectives
E5	CORE	Recommend Tactical Situations (TACSIT)
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Deconflict Signals Intelligence (SIGINT) operations
E7	NON-CORE	Request Electromagnetic warfare (EW)/Signals Intelligence (SIGINT) supporting assets
E6	NON-CORE	Update Electronic Support Measures (ESM) search plan
E7	NON-CORE	Validate Electronic Support Measures (ESM) search plan

NON-MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E7	NON-CORE	Direct Signals Intelligence (SIGINT) taskings
E5	CORE	Evaluate threat envelopes
E7	NON-CORE	Manage targeting cycles
E7	NON-CORE	Request assets and resources to meet intelligence requirements

PLANNING

Paygrade	Task Type	Task Statements
E5	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E6	CORE	Assess emergent Signals Intelligence (SIGINT) threats
E6	CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) exercises
E7	NON-CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) with joint/allied partners
E7	CORE	Coordinate Information Operations (IO) experimentation and advanced capabilities initiatives
E7	CORE	Coordinate Information Operations (IO) integration across all disciplines and warfare areas
E6	CORE	Coordinate joint fires tasking
E7	NON-CORE	Coordinate joint Signals Intelligence (SIGINT) collection plans
E7	NON-CORE	Coordinate support to Air Tasking Order (ATO)
E7	NON-CORE	Coordinate Underway Strike Group Electromagnetic Warfare (EW) system maintenance
E7	NON-CORE	Deconflict national target lists
E7	NON-CORE	Develop allied/coalition Information Operations (IO) Directives
E7	CORE	Develop communications Electromagnetic Attack (EA) plans
E6	CORE	Develop Concept of Operations (CONOP)
E6	CORE	Develop data for Electromagnetic Warfare (EW) Doctrine Review Board (DRB)
E7	CORE	Develop Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E7	NON-CORE	Develop Electromagnetic Warfare (EW) tactics
E7	CORE	Develop joint Electromagnetic Warfare (EW) plans
E7	NON-CORE	Develop joint Information Operations (IO) Directives
E7	CORE	Develop multi-unit Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E6	CORE	Develop Real-Time Spectrum Operations (RTSO) plans
E7	CORE	Develop Signals Intelligence (SIGINT)/Electromagnetic Warfare (EW) plans
E7	CORE	Develop Signals Intelligence (SIGINT)/Electromagnetic Warfare (EW) tactics
E6	CORE	Draft Electromagnetic Warfare (EW) doctrines and bills (e.g., Anti-ship Missile Defense (ASMD), Passive Countermeasures System (PCMS), Emissions Control (EMCON), etc.)
E7	CORE	Draft Electromagnetic Warfare (EW) operational messages (e.g., Electromagnetic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Draft Naval Messages (e.g., Electromagnetic Attack (EA) request, Daily Intentions Messages (DIMS), etc.)
E7	CORE	Enforce higher authority directives (e.g., Operational Tasking (OPTASK) Operational Order (OPORD) Operational Plan (OPLAN), etc.)
E4	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)

PLANNING (CONT'D

Paygrade	Task Type	Task Statements
E7	CORE	Manage unit priority target lists
E7	CORE	Request supporting Electromagnetic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E7	CORE	Validate Real-Time Spectrum Operations (RTSO) plans

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Audit Electromagnetic Warfare (EW) system password accounts
E6	CORE	Enforce naval and National security directives and instructions (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E4	CORE	Implement 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.)
E4	CORE	Inventory controlled equipment
E4	CORE	Maintain Electromagnetic Warfare (EW) systems password accounts
E5	CORE	Manage controlled equipment
E5	CORE	Sanitize data for dissemination
E6	CORE	Supervise Emergency Action Plan (EAP) operations
E5	CORE	Supervise watch teams
E4	CORE	Support Emergency Action Plans (EAP)

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E7	CORE	Coordinate Electromagnetic Warfare (EW) systems testing evolutions
E6	CORE	Coordinate equipment certifications and recertifications
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Develop training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E7	CORE	Manage Information Operations (IO) training requirements
E6	CORE	Validate training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E7	CORE	Verify Integrated and advanced phase training requirements (e.g., Naval Mission Essential Task List (NMETL), Naval Task (NTA), Advanced Pre-Deployment Training (APDT), etc.)

Job Title

Operational Electronic Intelligence Analyst

Job Code

002756

Job Family	**NOC**	**Short Title (30 Characters)**	**Short Title (14 Characters)**
Protective Service	TBD	OPERATIONAL ELINT ANALYST	OpELINT ANLYST

Pay Plan	**Career Field**	**Other Relationships and Rules**
Enlisted	CTT	NEC CXXX series and other NECs 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 and weapons systems.

DoD Relationship

O*NET Relationship

Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Intercept Operators (Code and Non-Code)	123100	Intelligence Analysts	33-3021.06	Protective Service

Skills	**Abilities**
Critical Thinking	*Deductive Reasoning*
Coordination	*Inductive Reasoning*
Judgment and Decision Making	*Written Comprehension*
Management of Material Resources	*Written Expression*
Operation and Control	*Information Ordering*
Complex Problem Solving	*Oral Expression*
Quality Control Analysis	*Perceptual Speed*
Reading Comprehension	*Control Precision*
Writing	*Time Sharing*
Systems Analysis	*Problem Sensitivity*

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION

Paygrade	**Task Type**	**Task Statements**
E4	CORE	Align Electromagnetic Warfare (EW) systems
E4	CORE	Analyze equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E7	CORE	Approve equipment installations, testing, and alterations
E4	CORE	Collect equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E4	CORE	Configure display systems
E4	CORE	Configure internal communications networks
E4	CORE	Configure network systems
E6	CORE	Coordinate Electromagnetic Warfare (EW) systems software, firmware installations and updates
E4	CORE	Document equipment and system status data (e.g., Regional Maintenance Center (RMC), Destroyer Squadron (DESRON), Amphibious Squadron (PHIBRON), etc.)
E6	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure from Specifications (DFS), etc.)
E4	CORE	Inspect work areas, tools, and equipment
E4	CORE	Maintain local emitter libraries
E5	CORE	Manage system software updates
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment shutdown procedures

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment startup procedures
E4	CORE	Perform Tactical Data Processors (TDP) startup procedures
E4	CORE	Test display systems
E6	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure from Specifications (DFS), etc.)

ELECTROMAGNETIC SPECTRUM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure Own-Force Monitoring (OFM) equipment
E5	CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Identify Electromagnetic Interference (EMI)
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Monitor own force emissions
E5	CORE	Obtain space weather reports for Electromagnetic Spectrum Operations (EMSO)
E4	CORE	Perform Own-Force Monitoring (OFM) equipment shutdown procedures
E4	CORE	Perform Own-Force Monitoring (OFM) equipment startup procedures
E5	CORE	Perform unit level Electromagnetic Spectrum Operations (EMSO)
E5	CORE	Predict friendly and/or adversary equipment performance characteristics based on propagation modeling utilizing parametric and atmospheric data (e.g., BUILDER, Realtime Spectrum Operations (RTSO), etc.)
E5	CORE	Report Electromagnetic Interference (EMI)
E5	CORE	Report jamming sources
E5	CORE	Research jamming sources

ELECTROMAGNETIC WARFARE OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Calculate detection ranges for Naval Special Warfare (NSW) specific platforms
E4	CORE	Calculate threat detection envelopes
E5	CORE	Conduct Counter-Intelligence Surveillance Reconnaissance Targeting (CISRT)
E5	NON-CORE	Conduct Counter-Unmanned Systems (C-UxS) operations
E4	CORE	Configure Common Integrated Broadcast (CIB) radio receiving equipment
E4	CORE	Construct local emitter libraries
E5	CORE	Evaluate Electromagnetic Warfare (EW) Measures of Effectiveness (MOE)
E5	CORE	Evaluate mission threats
E4	CORE	Implement Rapid Evaluation Guidelines (REG)
E4	CORE	Maintain Electromagnetic Warfare (EW) status boards and logs
E7	CORE	Manage divisional equipment and system configurations
E6	CORE	Manage Electromagnetic Warfare (EW) system operations
E6	CORE	Manage Electromagnetic Warfare (EW) systems during casualty conditions
E4	CORE	Perform Electromagnetic Support (ES) operations

ELECTROMAGNETIC WARFARE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform tactical communications (e.g., brevity codes, fleet tactical signals, etc.)
E5	CORE	Recommend course corrections in support of tactical operations
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E4	CORE	Report systems equipment status
E6	CORE	Supervise construction of local emitter libraries
E6	CORE	Supervise divisional equipment and system configurations
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E5	CORE	Supervise tactical communications (e.g., voice, chat, etc.)
E4	CORE	Verify Emission Control (EMCON) conditions

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	CORE	Analyze Signals of Interest (SOI)
E4	CORE	Brief cryptologic and intelligence products
E4	CORE	Calculate Radio Detection and Ranging (RADAR) parameters
E4	CORE	Compute Radio Detection and Ranging (RADAR) performance characteristics based on parameters
E4	CORE	Configure Signals Intelligence (SIGINT) and other non-communication systems
E4	CORE	Convert Radio Detection and Ranging (RADAR) parameters
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklists
E5	CORE	Coordinate reachback support
E4	CORE	Coordinate with respective consumer(s)
E4	CORE	Correlate national systems data to platform
E4	CORE	Crossfix Signals of Interest (SOI) intercepts
E4	CORE	Determine current tactical picture
E4	CORE	Determine modulation types (i.e., intrapulse, interpulse)
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.)
E4	CORE	Draft reports (i.e., UNIFORM, Electronic Intelligence Technical Reports (ELT), Tactical Reports (TACREP))
E4	CORE	Evaluate signal quality
E4	NON-CORE	Identify PROFORMA signals
E4	CORE	Identify Radio Detection and Ranging (RADAR) systems capabilities
E4	CORE	Implement Electronic Intelligence (ELINT) collection plans
E5	CORE	Input filter management plans

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Interpret message traffic data in support of operations
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Obtain Order of Battle (OOB)
E4	CORE	Perform Operational Electronic Intelligence (OpELINT) analysis (e.g., Intelligence Preparation (IPR), Maritime Domain Awareness (MDA), etc.)
E4	CORE	Provide source of overhead systems data (e.g., ephemeris data, collector diagraph, etc.)
E5	CORE	Report PROFORMA signals
E4	CORE	Research Intelligence Community (IC) databases
E6	NON-CORE	Review post mission processing for accuracy and follow-on tasking
E4	CORE	Search Electronic Intelligence (ELINT) databases in support of mission planning and execution
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E4	CORE	Transfer data between systems (e.g., Data Transfer Agent (DTA), Department of Defense (DoD) Secure Access File Exchange (SAFE), DoD Intelligence Information System (DODIIS) One-Way Transfer Tool (DOTS), etc.)
E5	CORE	Update National databases (i.e., provide UNIFORM reports and input to National Operational Electronic Intelligence (OPELENT) Integration Database (NIODB) via the Naval Information Warfighting Development Center (NIWDC) and Navy Information Operations Command (NIOC) Pacific or NIOC Norfolk)
E5	CORE	Validate Electronic Intelligence (ELINT) logs
E7	CORE	Validate reports (i.e., UNIFORM, Tactical Reports (TACREP))
E5	CORE	Verify collection, analysis, and reporting

INFORMATION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct all-source intelligence research
E4	CORE	Conduct Battle Damage Assessment (BDA)
E5	NON-CORE	Conduct non-standard collection operations/unconventional collection
E4	CORE	Configure software-based analysis tools
E5	NON-CORE	Construct target intelligence packages
E6	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets
E6	CORE	Coordinate Military Deception (MILDEC) plan support
E5	CORE	Coordinate target analysis
E4	CORE	Correlate Information Operation (IO) asset capabilities and limitations
E5	CORE	Develop intelligence products based on Pattern of Life (PoL)
E7	CORE	Develop joint, allied, and coalition Information Operations (IO) plans
E6	NON-CORE	Develop Signals Intelligence (SIGINT) Concept of Operations (CONOP)
E7	CORE	Develop strike group Information Operations (IO) directives

INFORMATION OPERATIONS

Paygrade	Task Type	Task Statements
E6	CORE	Evaluate Information Operations (IO) Measures of Effectiveness (MOE)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E4	CORE	Implement Signals Intelligence (SIGINT) tasking
E7	NON-CORE	Manage Signals Intelligence (SIGINT) equipment resource allocation with joint forces and Intelligence Community (IC) partners
E6	CORE	Manage watch teams
E4	CORE	Perform all-source fusion analysis
E4	CORE	Perform geolocation analysis
E4	CORE	Perform Information Operations (IO) utilizing Tactical Data Processors (TDP)
E4	CORE	Perform Pattern of Life (PoL) analysis
E5	CORE	Prioritize mission threats
E7	CORE	Process fleet Information Operations (IO) requirements
E6	CORE	Provide Counter Intelligence Surveillance Reconnaissance Targeting (CISRT) solutions in support of operations
E6	NON-CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide process feedback to national systems managers
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E5	CORE	Provide target Positive Identification (PID) recommendations
E5	NON-CORE	Recommend collection assets and windows of opportunity
E7	CORE	Recommend Information Operations (IO)/Electromagnetic Warfare (EW) mission objectives
E5	CORE	Recommend Tactical Situations (TACSIT)
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze Unmanned Systems (UxS) communications signals
E6	NON-CORE	Develop detection range products for Naval Special Warfare (NSW) specific platforms
E6	NON-CORE	Identify Radio Frequency (RF) characteristics for Naval Special Warfare (NSW) specific equipment in theatre
E5	NON-CORE	Maintain mission logs
E4	NON-CORE	Perform end-of-mission pack and wrap
E5	NON-CORE	Perform tactical Airborne Precision Geolocation operations (APGL)/Unmanned Systems (UxS) payload operations
E5	NON-CORE	Perform tactical Precision Geo-location (PGL)
E5	NON-CORE	Provide target Combat Identification (CID) recommendations
E5	NON-CORE	Provide Time-Sensitive Target (TST) operations intelligence support
E7	NON-CORE	Request Electromagnetic Warfare (EW)/Signals Intelligence (SIGINT) supporting assets

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO) (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Review Electronic Support Measures (ESM) search plan
E6	NON-CORE	Supervise end-of-mission pack and wrap
E6	NON-CORE	Update Electronic Support Measures (ESM) search plan
E7	NON-CORE	Validate Electronic Support Measures (ESM) search plan

NON-MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E4	CORE	Analyze collection sources
E5	NON-CORE	Construct mission collection plans
E7	NON-CORE	Coordinate overwatch support
E5	NON-CORE	Determine collection gaps
E6	NON-CORE	Determine collection requirements
E5	NON-CORE	Develop targets in support of commander's intent
E7	NON-CORE	Direct Signals Intelligence (SIGINT) taskings
E5	NON-CORE	Disseminate time-sensitive reports
E4	NON-CORE	Draft time-sensitive reports
E5	CORE	Evaluate threat envelopes
E4	NON-CORE	Identify traffic source for targeting
E7	NON-CORE	Manage targeting cycles
E6	NON-CORE	Perform bulk data manipulation
E5	NON-CORE	Perform first phase initial Electronic Intelligence (ELINT) analysis and feedback
E7	NON-CORE	Request assets and resources to meet intelligence requirements
E5	NON-CORE	Update mission collection plans

PLANNING

Paygrade	Task Type	Task Statements
E5	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E6	CORE	Assess emergent Signals Intelligence (SIGINT) threats
E6	CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) exercises
E7	NON-CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) with joint/allied partners
E7	CORE	Coordinate Information Operations (IO) experimentation and advanced capabilities initiatives
E7	CORE	Coordinate Information Operations (IO) integration across all disciplines and warfare areas
E6	CORE	Coordinate joint fires tasking
E7	NON-CORE	Coordinate joint Signals Intelligence (SIGINT) collection plans
E5	NON-CORE	Coordinate target analysis with external units
E5	NON-CORE	Coordinate with customer entities for mission and training requirements (e.g., intelligence requirements, cryptologic carry-on program (CCOP) equipment, etc.)
E7	NON-CORE	Deconflict national target lists
E6	CORE	Develop Concept of Operations (CONOP)

PLANNING (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Develop Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E7	NON-CORE	Develop Electromagnetic Warfare (EW) tactics
E7	CORE	Develop joint Electromagnetic Warfare (EW) plans
E7	CORE	Develop multi-unit Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E7	CORE	Draft Electromagnetic Warfare (EW) operational messages (e.g., Electromagnetic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Draft Naval Messages (e.g., Electromagnetic Attack (EA) request, Daily Intentions Messages (DIMS), etc.)
E4	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)
E7	CORE	Manage unit priority target lists
E7	CORE	Request supporting Electromagnetic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Audit Electromagnetic Warfare (EW) system password accounts
E6	CORE	Enforce naval and National security directives and instructions (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E4	CORE	Implement 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.)
E4	CORE	Inventory controlled equipment
E4	CORE	Maintain Electromagnetic Warfare (EW) systems password accounts
E5	CORE	Manage controlled equipment
E5	CORE	Sanitize data for dissemination
E6	CORE	Supervise Emergency Action Plan (EAP) operations
E5	CORE	Supervise watch teams
E4	CORE	Support Emergency Action Plans (EAP)

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Configure Electromagnetic Warfare (EW) systems for training and testing evolutions
E7	CORE	Coordinate Electromagnetic Warfare (EW) systems testing evolutions
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)

TRAINING AND CERTIFICATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Develop training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Supervise Electromagnetic Warfare (EW) systems testing evolutions
E7	CORE	Verify Integrated and advanced phase training requirements (e.g., Naval Mission Essential Task List (NMETL), Naval Task (NTA), Advanced Pre-Deployment Training (APDT), etc.)

Job Title

Tactical Information Operations Specialist

Job Code

002758

Job Family	**NOC**	**Short Title (30 Characters)**	**Short Title (14 Characters)**
Protective Service	TBD	TACTICAL INFO OPERATIONS SPEC	TACINF OP SPEC

Pay Plan	**Career Field**	**Other Relationships and Rules**
Enlisted	CTT	NEC CXXX and 7XXX series and other NECs assigned

Job Description

Tactical Information Operations Specialists operate equipment to provide a wide variety of tactical information operations support including tactical Electromagnetic Warfare (EW), Operational Electronic Intelligence (OpELINT), and Computer Network Operations (CNO); support direct action/special reconnaissance missions in contested environments against near-peer and non-state actors; 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 Electromagnetic 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 Electromagnetic Warfare (EW) mission and collections requirements.

DoD Relationship

O*NET Relationship

Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
Intercept Operators (Code and Non-Code)	123100	Intelligence Analysts	33-3021.06	Protective Service

Skills	**Abilities**
Critical Thinking	*Deductive Reasoning*
Management of Material Resources	*Written Comprehension*
Coordination	*Inductive Reasoning*
Judgment and Decision Making	*Written Expression*
Operation and Control	*Information Ordering*
Complex Problem Solving	*Control Precision*
Quality Control Analysis	*Oral Expression*
Reading Comprehension	*Problem Sensitivity*
Systems Analysis	*Perceptual Speed*
Systems Evaluation	*Time Sharing*

COMPUTER NETWORK OPERATIONS (CNO)

Paygrade	**Task Type**	**Task Statements**
E5	NON-CORE	Analyze digital network communications
E5	NON-CORE	Analyze remote system environments
E5	NON-CORE	Analyze target digital technologies and network systems
E5	NON-CORE	Apply cyber collection principles to enable intelligence gathering operations
E5	NON-CORE	Assess physical characteristics of the target environment
E5	NON-CORE	Assess target network vulnerabilities
E6	NON-CORE	Collaborate with stakeholders for cyber operations and tools
E5	NON-CORE	Construct target environments for training, testing, and assessing
E5	NON-CORE	Develop network maps
E5	NON-CORE	Integrate remote systems into computer network operations.
E5	NON-CORE	Perform basic triage and media forensic analysis
E5	NON-CORE	Perform packet and protocol analysis
E5	NON-CORE	Perform packet capture (PCAP) analysis
E5	NON-CORE	Validate target network capabilities and vulnerabilities

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Align Electromagnetic Warfare (EW) systems
E4	CORE	Analyze blueprints and platform/unit drawings
E4	CORE	Analyze equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.
E4	CORE	Analyze schematics (e.g., mechanical drawings, electronic schematics, piping and valve drawings, etc.)
E7	CORE	Approve equipment installations, testing, and alterations
E4	CORE	Collect equipment and system status data (e.g., Emission Control (EMCON), Tactical Situation (TACSIT), Military Deception (MILDEC), etc.)
E5	CORE	Conduct Radio Detection and Ranging (RADAR) Cross Section (RCS) testing
E4	CORE	Configure display systems
E4	CORE	Configure internal communications networks
E4	CORE	Configure network systems
E4	CORE	Configure power conversion and distribution systems
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E6	NON-CORE	Coordinate Electromagnetic Warfare (EW) equipment installations
E6	NON-CORE	Coordinate Electromagnetic Warfare (EW) equipment removals
E6	CORE	Coordinate Electromagnetic Warfare (EW) systems software, firmware installations and updates
E7	CORE	Coordinate Electromagnetic Warfare (EW) test range runs
E4	CORE	Document equipment and system status data (e.g., Regional Maintenance Center (RMC), Destroyer Squadron (DESRON), Amphibious Squadron (PHIBRON), etc.)
E6	CORE	Draft procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure from Specifications (DFS), etc.)
E4	CORE	Inspect work areas, tools, and equipment
E5	CORE	Install equipment and alterations
E6	CORE	Interpret test and evaluation range results (e.g., ULM-4, Passive Countermeasures System (PCMS), etc.)
E4	CORE	Inventory Special Purpose Electronic Test Equipment (SPETE)
E4	CORE	Maintain local emitter libraries
E4	CORE	Maintain network systems
E5	CORE	Manage system software updates
E4	CORE	Perform Electromagnetic Warfare (EW) systems software, firmware installations and updates
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment shutdown procedures
E4	CORE	Perform Electronic Intelligence (ELINT)/Electromagnetic Warfare (EW) equipment startup procedures
E4	CORE	Perform equipment validations

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform Tactical Data Processors (TDP) startup procedures
E4	CORE	Repair Alternating Current (AC) circuits
E4	CORE	Repair computer and peripheral systems
E4	CORE	Repair Direct Current (DC) circuits
E4	CORE	Repair display systems
E4	CORE	Repair Electromagnetic Warfare (EW) systems
E5	NON-CORE	Repair interconnecting cables and connectors
E4	NON-CORE	Repair network systems
E4	CORE	Repair power conversion and distribution systems
E4	CORE	Replace computer and peripheral systems
E4	CORE	Replace digital circuits
E4	CORE	Replace power supplies
E4	CORE	Replace Radio Frequency (RF) components
E5	CORE	Supervise Electromagnetic Warfare (EW) systems software, firmware installations, and updates
E5	CORE	Supervise equipment installations, testing, and alterations
E6	CORE	Supervise System Operation Verification Testing (SOVT)
E5	CORE	Supervise work center equipment and system configurations
E5	CORE	Supervise work center maintenance operations
E4	CORE	Test Alternating Current (AC) circuits
E4	CORE	Test computer and peripheral systems
E4	CORE	Test data links
E4	CORE	Test digital circuits
E4	CORE	Test Direct Current (DC) circuits
E4	CORE	Test display systems
E4	CORE	Test Electromagnetic Warfare (EW) systems
E4	CORE	Test interconnecting cables and connectors
E4	CORE	Test internal communications networks
E4	CORE	Test network systems
E4	CORE	Test power conversion and distribution systems
E4	CORE	Test power supplies
E4	CORE	Test Radio Frequency (RF) components
E4	CORE	Troubleshoot Alternating Current (AC) circuits
E4	CORE	Troubleshoot computer and peripheral systems
E4	CORE	Troubleshoot digital circuits
E4	CORE	Troubleshoot Direct Current (DC) circuits

ELECTROMAGNETIC WARFARE (EW) SYSTEMS MAINTENANCE AND ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Troubleshoot display systems
E4	CORE	Troubleshoot Electromagnetic Warfare (EW) systems
E4	CORE	Troubleshoot interconnecting cables and connectors
E4	CORE	Troubleshoot internal communications networks
E4	CORE	Troubleshoot network systems
E4	CORE	Troubleshoot power conversion and distribution systems
E4	CORE	Troubleshoot power supplies
E4	CORE	Troubleshoot Radio Frequency (RF) components
E6	CORE	Verify procedural documents (e.g., Standard Operating Procedures (SOP), Temporary Standing Orders (TSO), Departure From Specifications (DFS), etc.)
E7	CORE	Verify System Operability Verification Test (SOVT)

ELECTROMAGNETIC SPECTRUM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure Own-Force Monitoring (OFM) equipment
E6	CORE	Construct Electromagnetic (EM) Battlespace plans (e.g., Real-Time Spectrum Operations (RTSO), Emission Control (EMCON), etc.)
E5	CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Identify Electromagnetic Interference (EMI)
E7	CORE	Integrate into Joint Restricted Frequency List (JRFL) process
E7	CORE	Manage spectrum plans
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Monitor own force emissions
E5	CORE	Obtain space weather reports for Electromagnetic Spectrum Operations (EMSO)
E4	CORE	Perform Own-Force Monitoring (OFM) equipment shutdown procedures
E4	CORE	Perform Own-Force Monitoring (OFM) equipment startup procedures
E5	CORE	Perform unit level Electromagnetic Spectrum Operations (EMSO)
E5	CORE	Predict friendly and/or adversary equipment performance characteristics based on propagation modeling utilizing parametric and atmospheric data (e.g., BUILDER, Realtime Spectrum Operations (RTSO), etc.)
E5	CORE	Report Electromagnetic Interference (EMI)
E5	CORE	Report jamming sources
E5	CORE	Research jamming sources

ELECTROMAGNETIC WARFARE OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Calculate detection ranges for Naval Special Warfare (NSW) specific platforms
E5	NON-CORE	Calculate operating ranges for Unmanned Systems (UxS) detachments
E4	CORE	Calculate threat detection envelopes
E5	CORE	Conduct Counter-Intelligence Surveillance Reconnaissance Targeting (CISRT)

ELECTROMAGNETIC WARFARE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct Counter-Unmanned Systems (C-UxS) operations
E4	CORE	Configure Common Integrated Broadcast (CIB) radio receiving equipment
E4	CORE	Configure Electromagnetic Warfare (EW) systems
E4	CORE	Construct local emitter libraries
E4	CORE	Coordinate Emission Control (EMCON) conditions
E5	CORE	Evaluate Electromagnetic Warfare (EW) Measures of Effectiveness (MOE)
E5	CORE	Evaluate mission threats
E4	CORE	Implement Rapid Evaluation Guidelines (REG)
E6	CORE	Lead Electromagnetic Warfare (EW) operations (e.g., Emission Control (EMCON), Electromagnetic Warfare Support (ES), countermeasures deployment, etc.)
E4	CORE	Maintain Electromagnetic Warfare (EW) status boards and logs
E7	CORE	Manage divisional equipment and system configurations
E6	CORE	Manage Electromagnetic Warfare (EW) system operations
E6	CORE	Manage Electromagnetic Warfare (EW) systems during casualty conditions
E4	CORE	Perform Electromagnetic Attack (EA)
E4	CORE	Perform Electromagnetic Support (ES) operations
E4	CORE	Perform tactical communications (e.g., brevity codes, fleet tactical signals, etc.)
E5	CORE	Recommend course corrections in support of tactical operations
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E4	CORE	Report systems equipment status
E6	CORE	Supervise construction of local emitter libraries
E6	CORE	Supervise divisional equipment and system configurations
E5	CORE	Supervise Electromagnetic Attack (EA) employment
E5	CORE	Supervise Emission Control (EMCON) conditions
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E5	CORE	Supervise tactical communications (e.g., voice, chat, etc.)
E4	CORE	Verify Emission Control (EMCON) conditions

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	CORE	Analyze Signals of Interest (SOI)
E5	NON-CORE	Assemble technical kits
E4	CORE	Brief cryptologic and intelligence products
E4	CORE	Calculate Radio Detection and Ranging (RADAR) parameters
E4	CORE	Compute Radio Detection and Ranging (RADAR) performance characteristics based on parameters
E4	CORE	Configure Signals Intelligence (SIGINT) and other non-communication systems

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Convert Radio Detection and Ranging (RADAR) parameters
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklists
E5	CORE	Coordinate reachback support
E4	CORE	Coordinate with respective consumer(s)
E4	CORE	Correlate national systems data to platform
E4	CORE	Crossfix Signals of Interest (SOI) intercepts
E4	CORE	Determine current tactical picture
E4	CORE	Determine modulation types (i.e., intrapulse, interpulse)
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.)
E4	CORE	Draft reports (i.e., UNIFORM, Electronic Intelligence Technical Reports (ELT), Tactical Reports (TACREP))
E4	CORE	Evaluate signal quality
E4	NON-CORE	Identify PROFORMA signals
E4	CORE	Identify Radio Detection and Ranging (RADAR) systems capabilities
E4	CORE	Implement Electronic Intelligence (ELINT) collection plans
E5	CORE	Input filter management plans
E4	CORE	Interpret message traffic data in support of operations
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Obtain Order of Battle (OOB)
E4	NON-CORE	Perform frequency domain analysis
E4	CORE	Perform Operational Electronic Intelligence (OpELINT) analysis (e.g., Intelligence Preparation (IPR), Maritime Domain Awareness (MDA), etc.)
E4	CORE	Provide source of overhead systems data (e.g., ephemeris data, collector diagraph, etc.)
E5	CORE	Report PROFORMA signals
E4	CORE	Research Intelligence Community (IC) databases
E6	NON-CORE	Review post mission processing for accuracy and follow-on tasking
E4	CORE	Search Electronic Intelligence (ELINT) databases in support of mission planning and execution
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E4	CORE	Transfer data between systems (e.g., Data Transfer Agent (DTA), Department of Defense (DoD) Secure Access File Exchange (SAFE), DoD Intelligence Information System (DODIIS) One-Way Transfer Tool (DOTS), etc.)

ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Update National databases (i.e., provide UNIFORM reports and input to National Operational Electronic Intelligence (OPELENT) Integration Database (NIODB) via the Naval Information Warfighting Development Center (NIWDC) and Navy Information Operations Command (NIOC) Pacific or NIOC Norfolk)
E5	CORE	Validate Electronic Intelligence (ELINT) logs
E7	CORE	Validate reports (i.e., UNIFORM, Tactical Reports (TACREP))
E5	CORE	Verify collection, analysis, and reporting

INFORMATION OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct all-source intelligence research
E4	CORE	Conduct Battle Damage Assessment (BDA)
E5	NON-CORE	Conduct non-standard collection operations/unconventional collection
E4	CORE	Configure software-based analysis tools
E5	NON-CORE	Construct target intelligence packages
E6	CORE	Coordinate data collection responsibilities
E6	CORE	Coordinate Information Operations (IO) assets
E6	CORE	Coordinate Military Deception (MILDEC) plan support
E7	CORE	Coordinate multi-unit employment of Electromagnetic Attacks (EA)
E5	CORE	Coordinate target analysis
E4	CORE	Correlate Information Operation (IO) asset capabilities and limitations
E5	CORE	Develop intelligence products based on Pattern of Life (PoL)
E7	CORE	Develop joint, allied, and coalition Information Operations (IO) plans
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))
E6	CORE	Evaluate Information Operations (IO) Measures of Effectiveness (MOE)
E6	CORE	Evaluate Information Operations (IO) platform capabilities and limitations
E4	CORE	Implement Pre-Planned Responses (PPR)
E4	CORE	Implement Signals Intelligence (SIGINT) tasking
E6	NON-CORE	Manage database auditing
E7	CORE	Manage Military Deception (MILDEC) plans
E7	NON-CORE	Manage Signals Intelligence (SIGINT) equipment resource allocation with joint forces and Intelligence Community (IC) partners
E6	CORE	Manage watch teams
E4	CORE	Perform all-source fusion analysis
E4	CORE	Perform geolocation analysis
E4	CORE	Perform Information Operations (IO) utilizing Tactical Data Processors (TDP)
E4	CORE	Perform Military Deception (MILDEC) operations
E4	CORE	Perform Pattern of Life (PoL) analysis
E5	CORE	Prioritize mission threats

Paygrade	Task Type	Task Statements
E7	CORE	Process fleet Information Operations (IO) requirements
E6	CORE	Provide Counterintelligence Surveillance Reconnaissance Targeting (CISRT) solutions in support of operations
E6	NON-CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E5	NON-CORE	Provide process feedback to national systems managers
E5	NON-CORE	Provide Signals Intelligence (SIGINT) Concept of Operations (CONOP) input
E5	CORE	Provide target Positive Identification (PID) recommendations
E5	NON-CORE	Recommend collection assets and windows of opportunity
E7	CORE	Recommend Information Operations (IO)/Electromagnetic Warfare (EW) mission objectives
E5	CORE	Recommend Tactical Situations (TACSIT)
E6	CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze Unmanned Systems (UxS) communications signals
E5	NON-CORE	Conduct ground terminal guidance
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
E6	NON-CORE	Deconflict Signals Intelligence (SIGINT) operations
E5	NON-CORE	Develop automation processes
E6	NON-CORE	Develop detection range products for Naval Special Warfare (NSW) specific platforms
E6	NON-CORE	Develop operating range products for Unmanned Systems (UxS) detachments
E6	NON-CORE	Draft Request to Transmit (RTT)
E5	NON-CORE	Establish Command and Control (C2) link communications for Unmanned Systems (UxS) payloads
E5	NON-CORE	Fabricate collection equipment (i.e., 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	Initialize ground and airborne active targeting equipment
E5	NON-CORE	Initialize ground and airborne Signals Intelligence (SIGINT) collection equipment
E5	NON-CORE	Integrate remote Electromagnetic Warfare (EW) systems
E5	NON-CORE	Maintain mission logs
E5	NON-CORE	Manage Command and Control (C2) equipment (e.g., Special Operations Forces (SOF) Deployable Node (SDN), etc.)

MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO) (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Nominate unique identifiers
E5	NON-CORE	Perform asset validation
E5	NON-CORE	Perform counter-surveillance
E5	NON-CORE	Perform electronic counter-surveillance
E4	NON-CORE	Perform end-of-mission pack and wrap
E5	NON-CORE	Perform ground and airborne active targeting equipment shutdown procedures
E5	NON-CORE	Perform ground and airborne Signals Intelligence (SIGINT) collection equipment shutdown procedures
E5	NON-CORE	Perform Sensitive Site Exploitation (SSE) analysis
E5	NON-CORE	Perform signal encryption analysis
E5	NON-CORE	Perform signal internal decryption
E5	NON-CORE	Perform tactical Airborne Precision Geolocation operations (APGL)/Unmanned Systems (UxS) payload operations
E5	NON-CORE	Perform tactical Precision Geo-location (PGL)
E5	NON-CORE	Perform untethered collections
E5	NON-CORE	Perform untethered signals analysis
E5	NON-CORE	Provide target Combat Identification (CID) recommendations
E5	NON-CORE	Provide Time-Sensitive Target (TST) operations intelligence support
E7	NON-CORE	Request Electromagnetic warfare (EW)/Signals Intelligence (SIGINT) supporting assets
E7	NON-CORE	Submit Request to Transmit (RTT)
E6	NON-CORE	Supervise end-of-mission pack and wrap
E6	NON-CORE	Validate technical kits

NON-MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO)

Paygrade	Task Type	Task Statements
E4	CORE	Analyze collection sources
E5	NON-CORE	Construct mission collection plans
E7	NON-CORE	Coordinate overwatch support
E5	NON-CORE	Determine collection gaps
E6	NON-CORE	Determine collection requirements
E5	NON-CORE	Develop targets in support of commander's intent
E7	NON-CORE	Direct Signals Intelligence (SIGINT) taskings
E5	NON-CORE	Disseminate time-sensitive reports
E4	NON-CORE	Draft time-sensitive reports
E5	CORE	Evaluate threat envelopes
E4	NON-CORE	Identify traffic source for targeting
E7	NON-CORE	Manage accesses on a Mission Correlation Table (MCT)
E6	NON-CORE	Manage Tactical Intelligence Reports (i.e., Tactical Telegram (T-GRAM))
E7	NON-CORE	Manage targeting cycles
E6	NON-CORE	Perform bulk data manipulation

NON-MOBILE DISTRIBUTED SIGNALS INTELLIGENCE (SIGINT) OPERATIONS (DSO) (CONT'D)

Paygrade	Task Type	Task Statements
E7	NON-CORE	Request assets and resources to meet intelligence requirements
E5	NON-CORE	Update mission collection plans

PLANNING

Paygrade	Task Type	Task Statements
E5	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E6	CORE	Assess emergent Signals Intelligence (SIGINT) threats
E6	CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) exercises
E7	NON-CORE	Coordinate Electromagnetic Warfare (EW)/Information Operations (IO) with joint/allied partners
E7	CORE	Coordinate Information Operations (IO) experimentation and advanced capabilities initiatives
E7	CORE	Coordinate Information Operations (IO) integration across all disciplines and warfare areas
E6	CORE	Coordinate joint fires tasking
E7	NON-CORE	Coordinate joint Signals Intelligence (SIGINT) collection plans
E5	NON-CORE	Coordinate target analysis with external units
E5	NON-CORE	Coordinate with customer entities for mission and training requirements (e.g., intelligence requirements, cryptologic carry-on program (CCOP) equipment, etc.)
E7	NON-CORE	Deconflict national target lists
E7	CORE	Develop communications Electromagnetic Attack (EA) plans
E6	CORE	Develop Concept of Operations (CONOP)
E7	CORE	Develop Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E7	NON-CORE	Develop Electromagnetic Warfare (EW) tactics
E7	CORE	Develop joint Electromagnetic Warfare (EW) plans
E7	CORE	Develop multi-unit Electromagnetic Warfare (EW) Pre-Planned Responses (PPR)
E6	CORE	Develop Real-Time Spectrum Operations (RTSO) plans
E7	CORE	Develop Signals Intelligence (SIGINT)/Electromagnetic Warfare (EW) plans
E7	CORE	Develop Signals Intelligence (SIGINT)/Electromagnetic Warfare (EW) tactics
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)
E6	CORE	Draft Electromagnetic Warfare (EW) doctrines and bills (e.g., Anti-ship Missile Defense (ASMD), Passive Countermeasures System (PCMS), Emissions Control (EMCON), etc.)
E7	CORE	Draft Electromagnetic Warfare (EW) operational messages (e.g., Electromagnetic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	CORE	Draft Naval Messages (e.g., Electromagnetic Attack (EA) request, Daily Intentions Messages (DIMS), etc.)

PLANNING (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Enforce higher authority directives (e.g., Operational Tasking (OPTASK) Operational Order (OPORD) Operational Plan (OPLAN), etc.)
E4	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)
E7	CORE	Manage unit priority target lists
E7	CORE	Request supporting Electromagnetic Warfare (EW)/Information Operations (IO) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISRT) capabilities
E7	CORE	Validate Real-Time Spectrum Operations (RTSO) plans

SECURITY AND ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Audit Electromagnetic Warfare (EW) system password accounts
E6	NON-CORE	Draft Temporary Sensitive Compartmented Information Facility (T-SCIF) accreditation documentation
E6	CORE	Enforce naval and National security directives and instructions (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E4	CORE	Implement 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.)
E4	CORE	Inventory controlled equipment
E4	CORE	Inventory Electromagnetic Warfare (EW) system software and firmware
E4	CORE	Maintain Electromagnetic Warfare (EW) systems password accounts
E7	NON-CORE	Manage Authority to Operate (ATO)
E5	CORE	Manage controlled equipment
E7	NON-CORE	Manage Temporary Sensitive Compartmented Information Facility (T-SCIF) accreditation
E5	CORE	Sanitize data for dissemination
E6	CORE	Supervise Emergency Action Plan (EAP) operations
E5	CORE	Supervise watch teams
E4	CORE	Support Emergency Action Plans (EAP)

TRAINING AND CERTIFICATION

Paygrade	Task Type	Task Statements
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E5	CORE	Configure Electromagnetic Warfare (EW) systems for training and testing evolutions
E7	CORE	Coordinate Electromagnetic Warfare (EW) systems testing evolutions
E6	CORE	Coordinate equipment certifications and recertifications
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)

TRAINING AND CERTIFICATION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Develop training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Teams (CSTT), etc.)
E7	CORE	Manage Information Operations (IO) training requirements
E5	CORE	Supervise Electromagnetic Warfare (EW) systems testing evolutions
E6	CORE	Validate training scenarios (e.g., Embedded Training Device (ETD), lab-simulated, etc.)
E7	CORE	Verify Integrated and advanced phase training requirements (e.g., Naval Mission Essential Task List (NMETL), Naval Task (NTA), Advanced Pre-Deployment Training (APDT), etc.)