

# CHAPTER 20



## CRYPTOLOGIC TECHNICIAN (CT)

NAVPERS 18068-20I

**CH-65**

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CRYPTOLOGIC TECHNICIAN (TECHNICAL) (CTT)

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



SCOPE OF RATING

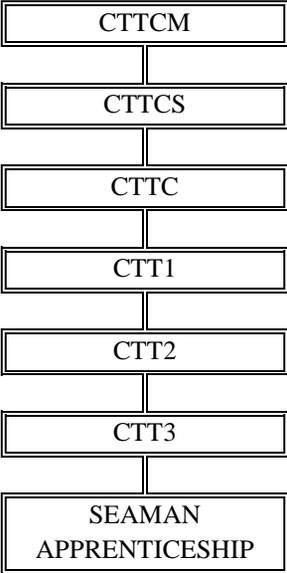
Cryptologic Technicians (Technical) (CTT) operate and maintain electronic sensors and computer systems; collect, analyze, exploit, and disseminate Electronic Intelligence (ELINT) all in accordance with fleet and national tasking; provide safety of platform, Indications and Warning (I&W), and Anti-Ship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

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

**GENERAL INFORMATION**

CAREER PATTERN



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

For rating entry requirements, refer to MILPERSMAN 1306-618.

**SAFETY**  
**The observance of Operational Risk Management (ORM) 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****Electronic Intelligence Analyst****Job Code****001090****Job Family**

Computer and Mathematical

**NOC**

TBD

**Short Title (30 Characters)**

ELECTRONIC INTELL ANALYST

**Short Title (14 Characters)**

ELINT ANALYST

**Pay Plan**

Enlisted

**Career Field**

CTT

**Other Relationships and Rules**

All NEC's listed as the Rating Source.

**Job Description**

Electronic Intelligence Analysts perform collection and technical/operational analysis of Radio Detection and Ranging (RADAR) 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 and vulnerabilities of foreign radar and radar-controlled weapons systems.

**DoD Relationship**Group Title

Intercept Operators (Code and Non-Code)

DoD Code

123100

**O\*NET Relationship**Occupation Title

Computer Systems Analysts

SOC Code

15-1121.00

Job Family

Computer and Mathematical

**Skills***Critical Thinking**Complex Problem Solving**Judgment and Decision Making**Operation and Control**Writing**Mathematics**Reading Comprehension**Monitoring**Equipment Selection**Active Learning***Abilities***Deductive Reasoning**Inductive Reasoning**Mathematical Reasoning**Information Ordering**Written Expression**Problem Sensitivity**Selective Attention**Fluency of Ideas**Perceptual Speed**Speed of Closure***ELECTROMAGNETIC SPECTRUM OPERATIONS****Paygrade****Task Type****Task Statements**

E6

NON-CORE

Calculate satellite vulnerabilities

E4

CORE

Identify Electromagnetic Interference (EMI)

E5

CORE

Integrate training scenarios

E4

CORE

Perform fusion analysis

E7

CORE

Prioritize Electronic Intelligence (ELINT) collection efforts

E4

CORE

Review reporting requirements

E4

CORE

Search Electromagnetic (EM) spectrum

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

E4

NON-CORE

Analyze broadcast data

E4

CORE

Analyze historical Signals Of Interest (SOI) data

E4

NON-CORE

Analyze record message traffic data

E4

CORE

Analyze Signals Of Interest (SOI) signals

E4

CORE

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

E6

NON-CORE

Calculate doppler shifts

E4

CORE

Calculate duty cycles

E4

CORE

Calculate illumination rates

E4

CORE

Calculate Maximum Unambiguous Ranges (MUR)

E6	NON-CORE	Calculate Moving Target Indicator (MTI) blind speeds
E4	CORE	Calculate Pulse Repetition Frequency (PRF)
E4	CORE	Calculate Pulse Repetition Intervals (PRI)
E4	CORE	Collect Signals of Interest (SOI)
E6	NON-CORE	Conduct analysis in the frequency domain
E5	CORE	Conduct cryptologic and intelligence briefs
E4	CORE	Construct Order of Battle (OOB)
E5	CORE	Coordinate proforma signals analysis reporting
E4	CORE	Correlate national systems data to platform
E5	CORE	Correlate Signals of Interest (SOI)
E4	CORE	Determine radar Electronic Intelligence (ELINT) capabilities
E5	CORE	Disseminate Electronic Intelligence (ELINT) data in a training environment
E5	CORE	Disseminate Operational Electronic Intelligence (OPELINT) reports
E5	CORE	Disseminate Technical Electronic Intelligence (TECHELINT) reports
E6	CORE	Evaluate collection, analysis, and reporting
E5	CORE	Evaluate Signal of Interest (SOI)
E4	NON-CORE	Evaluate signal quality
E4	CORE	Generate reports
E4	CORE	Identify interpulse modulation types (e.g. pulse constant, jitter, stagger, etc.)
E4	CORE	Identify intrapulse modulation types (e.g. unmodulated, linear frequency modulation, bi-phased shift keyed, etc.)
E4	CORE	Identify scan types
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E6	NON-CORE	Measure doppler shifts
E4	CORE	Measure Pulse Duration (PD)
E4	CORE	Measure Pulse Repetition Frequency (PRF)
E4	CORE	Measure Pulse Repetition Intervals (PRI)
E4	CORE	Measure Radio Frequency (RF) (high, low, and center tune)
E4	CORE	Measure scan times and types
E4	CORE	Monitor strategic situations
E4	CORE	Operate Electronic Intelligence (ELINT) collection equipment
E4	CORE	Record Signals Of Interest (SOI)
E6	CORE	Report Signal of Interest (SOI) (e.g. message traffic, etc.)
E4	CORE	Research national systems reports for Information Operations (IO)
E4	CORE	Search Electronic Intelligence (ELINT) databases
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E5	CORE	Supervise technical kit construction
E6	CORE	Validate Electronic Warfare Support (EWS) logs

### **ELECTRONIC WARFARE OPERATIONS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Assess Tactical Situations (TACSIT)
E4	NON-CORE	Configure network interfaces

E5	CORE	Determine mission threats
E4	CORE	Disseminate tactical information (e.g. internal/ external)
E6	CORE	Manage system software updates
E4	CORE	Monitor Tactical Situations (TACSIT)
E4	CORE	Operate Tactical Data Processors (TDP)
E5	CORE	Supervise construction of emitter libraries

### **INFORMATION OPERATIONS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Calculate threat detection envelopes
E4	CORE	Collect Information Operation (IO) asset capabilities and limitations
E5	CORE	Conduct Information Operations (IO) utilizing Tactical Data Processors (TDP)
E5	CORE	Establish filter management plans
E4	CORE	Input data to national databases
E5	CORE	Monitor own force emissions
E7	CORE	Prioritize mission threats
E7	CORE	Provide feedback to national systems managers

### **PLANNING**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	CORE	Draft Electronic Warfare (EW) messages (e.g. Casualty Report (CASREP), Tactical Electronic Intelligence (TACELINT), Electronic Attack (EA) request, etc.)
E4	CORE	Research adversary capabilities and limitations

### **SECURITY AND ADMINISTRATION**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Comply with Naval Cryptologic and National security requirements (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Secret Compartmented Information (SCI)
E6	CORE	Evaluate Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Implement Disaster Recovery Plans (DRP)
E5	CORE	Implement Emergency Action Plans (EAP)
E5	CORE	Implement Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Manage Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)

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

Computer and Mathematical

**NOC**

TBD

**Short Title (30 Characters)**

ELECTRONIC WARFARE OPERATOR

**Short Title (14 Characters)**

EW OPERATOR

**Pay Plan**

Enlisted

**Career Field**

CTT

**Other Relationships and Rules**

All NEC's listed as the Rating Source.

**Job Description**

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

**DoD Relationship**Group Title

Intercept Operators (Code and Non-Code)

DoD Code

123100

**O\*NET Relationship**Occupation Title

Network and Computer Systems Administrators

SOC Code

15-1142.00

Job Family

Computer and Mathematical

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

E6

NON-CORE

Calculate satellite vulnerabilities

E5

NON-CORE

Conduct Electronic Warfare Control Ship (EWCS) procedures

E5

CORE

Develop Embedded Training Device (ETD) scenarios

E4

CORE

Identify Electromagnetic Interference (EMI)

E5

CORE

Integrate training scenarios

E4

CORE

Maintain local emitter libraries

E5

CORE

Mitigate Electromagnetic Interference (EMI)

E4

CORE

Monitor Electromagnetic (EM) spectrum

E4

CORE

Perform fusion analysis

E5

CORE

Predict equipment performance characteristics based on atmospheric data

E6

CORE

Report Electromagnetic Interference (EMI)

E5

CORE

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

E4

CORE

Review reporting requirements

E4

CORE

Search Electromagnetic (EM) spectrum

E4

CORE

Utilize Combat Systems Operational Sequencing System (CSOSS) (e.g. initialize, casualty control, shutdown, etc.) procedures

## ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Analyze broadcast data
E4	CORE	Analyze historical Signals Of Interest (SOI) data
E4	NON-CORE	Analyze record message traffic data
E4	CORE	Analyze Signals Of Interest (SOI) signals
E4	CORE	Annotate Radio Detection and Ranging (RADAR) affected performance (e.g. Radio Frequency (RF), interpulse modulation, intrapulse modulation, etc.)
E4	CORE	Calculate duty cycles
E4	CORE	Calculate illumination rates
E4	CORE	Calculate Maximum Unambiguous Ranges (MUR)
E4	CORE	Calculate Pulse Repetition Frequency (PRF)
E4	CORE	Calculate Pulse Repetition Intervals (PRI)
E4	CORE	Collect Signals of Interest (SOI)
E5	CORE	Conduct cryptologic and intelligence briefs
E4	CORE	Construct Order of Battle (OOB)
E5	CORE	Coordinate proforma signals analysis reporting
E4	CORE	Correlate national systems data to platform
E5	CORE	Correlate Signals of Interest (SOI)
E5	CORE	Crossfix Signal of Interest (SOI) intercepts
E4	CORE	Determine radar Electronic Intelligence (ELINT) capabilities
E5	CORE	Disseminate Electronic Intelligence (ELINT) data in a training environment
E6	CORE	Evaluate collection, analysis, and reporting
E5	CORE	Evaluate Signal of Interest (SOI)
E4	NON-CORE	Evaluate signal quality
E4	CORE	Generate reports
E4	CORE	Identify interpulse modulation types (e.g. pulse constant, jitter, stagger, etc.)
E4	CORE	Identify intrapulse modulation types (e.g. unmodulated, linear frequency modulation, bi-phased shift keyed, etc.)
E4	CORE	Identify scan types
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Measure Pulse Duration (PD)
E4	CORE	Measure Pulse Repetition Frequency (PRF)
E4	CORE	Measure Pulse Repetition Intervals (PRI)
E4	CORE	Measure Radio Frequency (RF) (high, low, and center tune)
E4	CORE	Measure scan times and types
E4	CORE	Monitor strategic situations
E4	CORE	Operate Electronic Intelligence (ELINT) collection equipment
E4	CORE	Research national systems reports for Information Operations (IO)
E4	CORE	Search Electronic Intelligence (ELINT) databases
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting
E6	CORE	Validate Electronic Warfare Support (EWS) logs

## **ELECTRONIC WARFARE OPERATIONS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Assess Tactical Situations (TACSIT)
E4	NON-CORE	Conduct decoy handling and loading operations
E4	CORE	Conduct Electronic Attacks (EA)
E4	CORE	Conduct Electronic Support (ES) operations
E5	CORE	Conduct Electronic Warfare (EW) training events
E4	CORE	Configure Electronic Warfare (EW) systems
E4	NON-CORE	Configure Joint Tactical Terminal Maritime (JTT-M) (e.g. software, hardware, crypto, filter management, client control, etc.)
E4	NON-CORE	Configure network interfaces
E5	NON-CORE	Construct emitter libraries
E6	NON-CORE	Coordinate Combat Systems Training Team (CSTT) drill guides
E4	CORE	Deploy Electronic Warfare (EW) countermeasures
E5	CORE	Determine mission threats
E4	CORE	Disseminate tactical information (e.g. internal/ external)
E5	NON-CORE	Employ onboard non-kinetic weapon systems
E5	CORE	Implement Combat Systems Training Team (CSTT) drill guides
E4	CORE	Maintain Electronic Warfare (EW) status boards and logs
E6	CORE	Manage system software updates
E6	CORE	Manage tactical communications (e.g. voice, chat, etc.)
E4	NON-CORE	Manage test equipment and gauge calibration
E4	CORE	Modify Emission Control (EMCON) conditions
E6	CORE	Monitor Electronic Warfare (EW) Measure of Effectiveness (MOE)
E4	NON-CORE	Monitor Passive Countermeasure System (PCMS) conditions
E4	CORE	Monitor Tactical Situations (TACSIT)
E4	CORE	Operate Tactical Data Processors (TDP)
E4	NON-CORE	Perform Passive Countermeasure System (PCMS) maintenance
E4	CORE	Perform tactical communications (e.g. brevity codes, fleet tactical signals, etc.)
E4	CORE	Report Essential Elements of Friendly Information (EEFI) violations
E5	CORE	Set Electronic Warfare (EW) watch conditions
E4	NON-CORE	Set Passive Countermeasure System (PCMS) conditions
E5	CORE	Supervise construction of emitter libraries
E5	CORE	Supervise decoy handling and loading operations
E4	CORE	Utilize Rapid Evaluation Guidelines (REG)
E4	CORE	Verify Emission Control (EMCON) conditions in effect

## **INFORMATION OPERATIONS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Calculate threat detection envelopes
E4	CORE	Collect Information Operation (IO) asset capabilities and limitations
E5	CORE	Conduct Information Operations (IO) utilizing Tactical Data Processors (TDP)
E4	CORE	Conduct Military Deception (MILDEC) operations

E7	CORE	Develop Military Deception (MILDEC) plans
E4	CORE	Disseminate Military Information Support Operations (MISO) material
E5	CORE	Establish filter management plans
E4	CORE	Input data to national databases
E7	CORE	Manage Information Operations (IO) readiness conditions
E5	CORE	Monitor own force emissions
E4	CORE	Perform Pre-Planned Responses (PPR)
E7	CORE	Prioritize mission threats

#### PLANNING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities
E6	NON-CORE	Develop Combat Systems Training Team (CSTT) technical drill guides
E5	CORE	Draft Electronic Warfare (EW) messages (e.g. Casualty Report (CASREP), Tactical Electronic Intelligence (TACELINT), Electronic Attack (EA) request, etc.)
E4	CORE	Research adversary capabilities and limitations

#### SECURITY AND ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Comply with Naval Cryptologic and National security requirements (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Secret Compartmented Information (SCI)
E6	CORE	Evaluate Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Implement Disaster Recovery Plans (DRP)
E5	CORE	Implement Emergency Action Plans (EAP)
E5	CORE	Implement Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Manage Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)

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

Computer and Mathematical

**NOC**

TBD

**Short Title (30 Characters)**

ELECTRONIC WARFARE MAINTAINER

**Short Title (14 Characters)**

EW MAINTAINER

**Pay Plan**

Enlisted

**Career Field**

CTT

**Other Relationships and Rules**

All NEC's listed as the Rating Source.

**Job Description**

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

**DoD Relationship**Group Title

Intercept Operators (Code and Non-Code)

DoD Code

123100

**O\*NET Relationship**Occupation Title

Database Administrators

SOC Code

15-1141.00

Job Family

Computer and Mathematical

**Skills***Monitoring**Equipment Maintenance**Critical Thinking**Judgment and Decision Making**Reading Comprehension**Operation and Control**Coordination**Active Learning**Equipment Selection**Learning Strategies***Abilities***Control Precision**Problem Sensitivity**Deductive Reasoning**Inductive Reasoning**Written Comprehension**Speed of Closure**Written Expression**Category Flexibility**Information Ordering**Perceptual Speed***ELECTROMAGNETIC SPECTRUM OPERATIONS****Paygrade**

E4

**Task Type**

CORE

**Task Statements**

Search Electromagnetic (EM) spectrum

E4

CORE

Utilize Combat Systems Operational Sequencing System (CSOSS) (e.g. initialize, casualty control, shutdown, etc.) procedures

**ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS****Paygrade**

E4

**Task Type**

NON-CORE

**Task Statements**

Analyze record message traffic data

**ELECTRONIC WARFARE OPERATIONS****Paygrade**

E4

**Task Type**

NON-CORE

**Task Statements**

Conduct decoy handling and loading operations

E4

CORE

Conduct Electronic Attacks (EA)

E5

NON-CORE

Conduct Radar Cross Section (RCS) testing

E4

NON-CORE

Configure Joint Tactical Terminal-Maritime (JTT-M) (e.g. software, hardware, crypto, filter management, client control, etc.)

E4

NON-CORE

Configure network interfaces

E7

NON-CORE

Coordinate Electronic Warfare (EW) test range runs

E5

CORE

Implement Combat Systems Training Team (CSTT) drill guides

E5

NON-CORE

Install Field Change (FC) kits

E7

NON-CORE

Interpret test and evaluation range results (e.g. ULM-4, Passive Countermeasures System (PCMS), etc.)

E5	NON-CORE	Maintain blanking systems
E4	NON-CORE	Maintain cables
E4	NON-CORE	Maintain computer systems
E4	NON-CORE	Maintain cooling systems
E7	NON-CORE	Maintain Current Ship's Maintenance Project (CSMP)
E4	NON-CORE	Maintain decoy launcher systems
E4	NON-CORE	Maintain decoy ready service lockers/magazines
E4	NON-CORE	Maintain dry air systems
E5	NON-CORE	Maintain hydraulic systems
E4	CORE	Maintain Joint Tactical Terminal Maritime (JTT-M)
E5	NON-CORE	Maintain onboard training systems
E6	CORE	Manage system software updates
E4	NON-CORE	Manage test equipment and gauge calibration
E4	NON-CORE	Perform Passive Countermeasure System (PCMS) maintenance
E5	CORE	Supervise decoy handling and loading operations
E5	NON-CORE	Update Combat System (CS) smooth logs
E6	NON-CORE	Validate Combat Systems Training Team (CSTT) drill guides

#### **PLANNING**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	CORE	Draft Electronic Warfare (EW) messages (e.g. Casualty Report (CASREP), Tactical Electronic Intelligence (TACELINT), Electronic Attack (EA) request, etc.)

#### **SECURITY AND ADMINISTRATION**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Comply with Naval Cryptologic and National security requirements (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Secret Compartmented Information (SCI)
E6	CORE	Evaluate Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Implement Disaster Recovery Plans (DRP)
E5	CORE	Implement Emergency Action Plans (EAP)
E5	CORE	Implement Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Manage Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)

**Job Title****Electronic Warfare Planner****Job Code****002677****Job Family**

Management

**NOC**

TBD

**Short Title (30 Characters)**

ELECTRONIC WARFARE PLANNER

**Short Title (14 Characters)**

EW PLANNER

**Pay Plan**

Enlisted

**Career Field**

CTT

**Other Relationships and Rules**

All NEC's listed as the Rating Source.

**Job Description**

Electronic Warfare Planners maintain Information Operations (IO) Strike/Amphibious Readiness Group/Unit readiness; ensure Information Operations (IO) core competency mission objectives are met; collaborate with Warfare Commanders to ensure Information Operations (IO) planning is executed as part of the overall Strike/Amphibious Readiness Group mission; develop Strike/Amphibious Readiness Group and unit level spectrum management plans, Information Operations (IO) doctrines, Emission Control (EMCON) plans, and pre-planned responses; and schedule and execute training to maintain Electronic Warfare (EW) readiness.

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

Intercept Operators (Code and Non-Code)

**DoD Code**

123100

**Occupation Title**

Computer and Information Systems Managers

**SOC Code**

11-3021.00

**Job Family**

Management

**Skills***Critical Thinking**Judgment and Decision Making**Management of Material Resources**Monitoring**Active Learning**Coordination**Complex Problem Solving**Management of Personnel Resources**Writing**Reading Comprehension***Abilities***Inductive Reasoning**Deductive Reasoning**Information Ordering**Problem Sensitivity**Written Expression**Written Comprehension**Fluency of Ideas**Originality**Speed of Closure**Oral Expression***ELECTROMAGNETIC SPECTRUM OPERATIONS**

<b>Paygrade</b>	<b>Task Type</b>	<b>Task Statements</b>
E6	NON-CORE	Calculate satellite vulnerabilities
E6	CORE	Construct Electromagnetic (EM) Battlespace plans
E7	CORE	Develop allied and coalition Information Operations (IO)
E4	CORE	Identify Electromagnetic Interference (EMI)
E5	CORE	Mitigate Electromagnetic Interference (EMI)
E5	CORE	Perform unit level Electromagnetic (EM) spectrum operations
E5	CORE	Predict equipment performance characteristics based on atmospheric data
E7	CORE	Prioritize Electronic Intelligence (ELINT) collection efforts
E6	CORE	Report Electromagnetic Interference (EMI)
E5	CORE	Review Electromagnetic (EM) spectrum documentation (Afloat Electromagnetic Spectrum Operations Program (AESOP), Hazards of Electromagnetic Radiation to Ordnance (HERO) bill, Emission Control (EMCON), etc.)
E4	CORE	Review reporting requirements
E4	CORE	Search Electromagnetic (EM) spectrum

**ELECTRONIC INTELLIGENCE (ELINT) OPERATIONS**

<b>Paygrade</b>	<b>Task Type</b>	<b>Task Statements</b>
E4	NON-CORE	Analyze record message traffic data
E5	CORE	Conduct cryptologic and intelligence briefs
E7	NON-CORE	Construct Electronic Intelligence (ELINT) collection plans

E6	CORE	Evaluate collection, analysis, and reporting
E4	CORE	Generate reports
E7	CORE	Manage Electronic Intelligence (ELINT) collection, analysis, and reporting
E4	CORE	Monitor strategic situations
E4	CORE	Research national systems reports for Information Operations (IO)
E4	CORE	Search Electronic Intelligence (ELINT) databases
E5	CORE	Supervise Electronic Intelligence (ELINT) collections, analysis, and reporting

### **ELECTRONIC WARFARE OPERATIONS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Assess Tactical Situations (TACSIT)
E7	NON-CORE	Coordinate employment multi-unit of Electronic Attacks (EA)
E5	CORE	Determine mission threats
E7	NON-CORE	Develop Electronic Warfare (EW) operational messages (e.g. Electronic Warfare (EW) Operational Tasking (OPTASK), Information Operations (IO) Operational Tasking (OPTASK), Daily Intentions Message (DIMS), Information Operations (IO) Supplement (SUPP), etc.)
E6	NON-CORE	Develop Electronic Warfare (EW) tactics
E7	NON-CORE	Develop joint Electronic Warfare (EW) plans
E4	CORE	Disseminate tactical information (e.g. internal/ external)
E5	CORE	Evaluate Electronic Warfare (EW) operators
E5	CORE	Evaluate Electronic Warfare (EW) training events
E7	NON-CORE	Interpret test and evaluation range results (e.g. ULM-4, Passive Countermeasures System (PCMS), etc.)
E7	NON-CORE	Maintain Current Ship's Maintenance Project (CSMP)
E7	CORE	Manage Electronic Warfare (EW) training events
E6	CORE	Manage tactical communications (e.g. voice, chat, etc.)
E5	CORE	Modify Electronic Warfare (EW) watch conditions
E6	CORE	Monitor Electronic Warfare (EW) Measure of Effectiveness (MOE)
E4	NON-CORE	Monitor Passive Countermeasure System (PCMS) conditions
E4	CORE	Monitor Tactical Situations (TACSIT)
E7	CORE	Supervise chaff employment
E5	CORE	Supervise construction of emitter libraries
E7	NON-CORE	Supervise Electronic Attack (EA) employment
E6	CORE	Supervise Electronic Warfare (EW) operations (e.g. Emission Control (EMCON), Electronic Support (ES), countermeasures deployment, etc.)
E5	CORE	Supervise Pre-Planned Responses (PPR) executions
E5	NON-CORE	Update Combat System (CS) smooth logs
E6	NON-CORE	Validate Combat Systems Training Team (CSTT) drill guides
E6	CORE	Validate Embedded Training Device (ETD) scenarios
E4	CORE	Verify Emission Control (EMCON) conditions in effect

## INFORMATION OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Assess Information Operations (IO) platform capabilities and limitations
E4	CORE	Calculate threat detection envelopes
E4	CORE	Collect Information Operation (IO) asset capabilities and limitations
E5	CORE	Conduct Information Operations (IO) utilizing Tactical Data Processors (TDP)
E7	CORE	Coordinate data collection responsibilities
E7	CORE	Coordinate Information Operations (IO) assets
E6	CORE	Coordinate Military Deception (MILDEC) plan support
E7	CORE	Develop joint Information Operations (IO) plans
E7	CORE	Develop Military Deception (MILDEC) plans
E7	CORE	Develop strike group Information Operations (IO) directives
E7	CORE	Develop strike group Information Operations (IO) plans
E4	CORE	Disseminate Military Information Support Operations (MISO) material
E5	CORE	Establish filter management plans
E7	CORE	Manage Electronic Warfare Control Ship (EWCS) operations
E7	CORE	Manage Information Operations (IO) readiness conditions
E7	CORE	Manage Military Deception (MILDEC) plans
E6	CORE	Monitor Information Operations (IO) Measure of Effectiveness (MOE)
E5	CORE	Monitor own force emissions
E7	CORE	Prioritize mission threats
E7	CORE	Provide feedback to national systems managers
E6	CORE	Provide Information Operations (IO) input to Strike Planning Cell (SPC)
E7	CORE	Support strategic communication plans

## PLANNING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Assess adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities
E7	NON-CORE	Coordinate Underway Strike Group Electronic Warfare (EW) system maintenance
E6	NON-CORE	Develop Afloat Electromagnetic Spectrum Operations Program (AESOP) plans
E7	CORE	Develop multi-unit Electronic Warfare (EW) Pre-Planned Responses (PPR)
E7	CORE	Draft Electronic Warfare (EW) doctrines and bills (e.g. Antiship Missile Defense (ASMD), Passive Countermeasures System (PCMS), Emissions Control (EMCON), etc.)
E5	CORE	Draft Electronic Warfare (EW) messages (e.g. Casualty Report (CASREP), Tactical Electronic Intelligence (TACELINT), Electronic Attack (EA) request, etc.)
E7	CORE	Manage Passive Countermeasure System (PCMS) programs
E7	CORE	Manage strike group Information Operations (IO) training readiness requirements
E7	CORE	Manage training readiness
E7	CORE	Provide Electronic Warfare (EW) operational objective inputs
E7	CORE	Recommend Information Operations (IO)/Electronic Warfare (EW) mission objectives

E7	CORE	Request supporting Electronic Warfare (EW) assets
E4	CORE	Research adversary capabilities and limitations
E6	CORE	Schedule Electronic Warfare (EW) training events
E7	CORE	Validate adversary Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T) capabilities

#### **SECURITY AND ADMINISTRATION**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Comply with Naval Cryptologic and National security requirements (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC) and directives and instructions associated with Secret Compartmented Information (SCI)
E6	CORE	Evaluate Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Implement Disaster Recovery Plans (DRP)
E5	CORE	Implement Emergency Action Plans (EAP)
E5	CORE	Implement Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)
E7	CORE	Manage Naval and National security directives and instructions (e.g. physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operations Security (OPSEC), etc.)