

# CHAPTER 20



## CRYPTOLOGIC TECHNICIAN (COLLECTION) (CTR)

NAVPERS 18068F-20N  
Change 101

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NAVY ENLISTED OCCUPATIONAL STANDARD  
FOR  
CRYPTOLOGIC TECHNICIAN (COLLECTION) (CTR)



SCOPE OF RATING

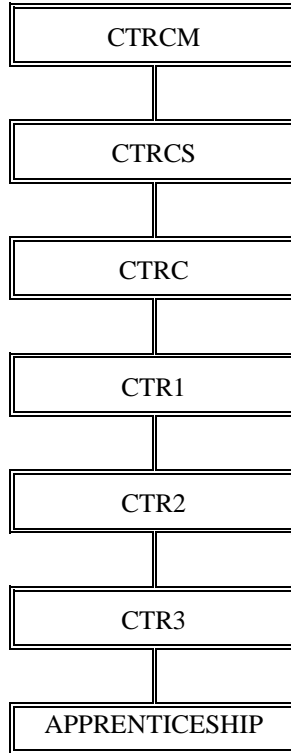
Cryptologic Technicians (Collection) (CTR) operate advanced computer systems to conduct Operations in the Information Environment (OIE) and support Cyberspace Operations; and collect, analyze, and exploit Signals of Interest (SOI) throughout the Radio Frequency (RF) spectrum to identify, locate, and report worldwide threats to provide Signals Intelligence (SIGINT), Counter Command, Control, Communications, Computer, and Cyber, Intelligence, Surveillance, Reconnaissance, and Targeting (C-C5ISR), Indications and Warning (I&W), Counter Unmanned Systems (C-UxS), targeting, tactical, and digital network support to Warfare Commanders and National consumers supporting surface, subsurface, air, space, and special operations forces to maintain information superiority.

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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 18068M) as Chapter 20.

## GENERAL INFORMATION

### CAREER PATTERN



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

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

### **SAFETY**

**The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.**

**Job Title****Analyst and Reporter****Job Code****001072****Job Family**

Protective Service

**NOC**

TBD

**Short Title (30 Characters)**

ANALYST AND REPORTER

**Short Title (14 Characters)**

ANLYST&amp;REPORTR

**Pay Plan**

Enlisted

**Career Field**

CTR

**Other Relationships and Rules**

NEC CXXX series and other NECs as assigned

**Job Description**

Analysts and Reporters develop targets and plans in support of Operations in the Information Environment (OIE); collect, analyze, and fuse target communications and multiple source information to identify Essential Elements of Information (EEI) in order to map and develop target networks, and conduct geospatial analysis; access and manipulate databases; perform mission planning and fusion analysis; provide Signals Intelligence (SIGINT) trend analysis; and draft, disseminate, and sanitize SIGINT reports, cryptologic mission reports, and cryptologic and multiple source assessments to meet Fleet, Joint, and National requirements.

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

Intercept Operators (Code and Non-Code)

**DoD Code**

123100

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

Intelligence Analysts

**SOC Code**

33-3021.06

**Job Family**

Protective Service

**Skills***Critical Thinking**Judgment and Decision Making**Reading Comprehension**Complex Problem Solving**Coordination**Management of Material Resources**Science**Mathematics**Systems Analysis**Operation and Control***Abilities***Deductive Reasoning**Inductive Reasoning**Written Comprehension**Written Expression**Information Ordering**Speed of Closure**Category Flexibility**Oral Expression**Problem Sensitivity**Perceptual Speed***FIREPOWER EMPLOYMENT****Paygrade**

E4

**Task Type**

CORE

**Task Statements**

Analyze Unmanned Systems (UxS) communications for targeting

E5

NON-CORE

Assess collateral effects of operations

E5

CORE

Assess Measures of Performance (MOP)

E4

CORE

Comply with Rules of Engagement (ROE)

E5

CORE

Conduct Counter-Unmanned Systems (C-UxS) operations

E5

CORE

Conduct Electronic Attack (EA) missions

E5

CORE

Develop communications Electronic Attack (EA) Concept of Operations (CONOPS)

E7

CORE

Develop communications Electronic Attack (EA) plans

E5

CORE

Evaluate Measures of Effectiveness (MOE)

E6

NON-CORE

Identify windows of opportunity for strikes

E6

NON-CORE

Inform effects-sequencing recommendations

E5

NON-CORE

Provide Signals Intelligence (SIGINT) support to targeting

E5

CORE

Support Battle Damage Assessments (BDA)

**FORCE PROTECTION****Paygrade**

E5

**Task Type**

CORE

**Task Statements**

Conduct Counter-Intelligence Surveillance Reconnaissance Targeting (C-ISRT)

### FORCE PROTECTION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Control access to restricted areas
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E5	NON-CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Document receipt of classified materials
E7	CORE	Enforce Operations Security (OPSEC)
E4	CORE	Implement Emergency Action Plans (EAP)
E7	CORE	Manage Sensitive Compartmented Information Facility (SCIF) accreditations
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Perform Counter-Intelligence, Surveillance, and Reconnaissance and Targeting (C-ISRT)
E4	CORE	Properly mark Sensitive Compartmented Information (SCI) materials
E4	CORE	Provide Military Deception (MILDEC) support
E4	CORE	Report Electronic Attack (EA) against friendly units, systems, links or nodes
E4	CORE	Safeguard Sensitive Compartmented Information (SCI) materials
E5	CORE	Supervise Emergency Action Plan (EAP) operations
E4	CORE	Transport Sensitive Compartmented Information (SCI) materials

### INFORMATION OPERATION SUPPORT

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Conduct Military Information Support Operations (MISO)
E7	CORE	Coordinate Operations in the Information Environment (OIE)
E7	CORE	Manage Operations in the Information Environment (OIE) efforts
E4	CORE	Provide Indications and Warnings (I&W) to tactical commanders
E6	NON-CORE	Provide input to Counter-Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, Reconnaissance, and Target (C-C5ISR) planning process

### INTEGRATED TARGETING CAPABILITY

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Advise target vectoring
E5	NON-CORE	Analyze adversary critical capabilities, requirements, and vulnerabilities
E5	CORE	Develop targets in support of Commander's intent
E5	NON-CORE	Evaluate threat envelopes
E5	NON-CORE	Identify adversary critical capabilities, requirements, and vulnerabilities
E5	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)
E4	NON-CORE	Identify target from multiple intelligence sources
E4	CORE	Identify traffic source for targeting
E6	CORE	Integrate targeting efforts with other organization and combatant commands
E5	NON-CORE	Perform non-traditional targeting
E5	CORE	Provide target nomination recommendations which meet Commander's objectives

## INTEGRATED TARGETING CAPABILITY (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Provide target Positive Identification (PID)
E5	CORE	Provide targeting Combat Identification (CID) recommendations
E5	NON-CORE	Provide Time Sensitive Target (TST) operations intelligence support
E4	NON-CORE	Support track management and target identification

## INTELLIGENCE ANALYSIS AND PRODUCTION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Analyze Command and Control (C2) networks for critical nodes
E5	NON-CORE	Analyze Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, Reconnaissance, and Target (C5ISRT) networks for critical nodes
E4	CORE	Analyze communication device capabilities
E4	CORE	Analyze Communication External (COMEXT)
E4	CORE	Analyze intercept of Essential Elements of Information (EEI)
E4	CORE	Analyze Satellite Communications (SATCOM) elements
E4	CORE	Assign identifiers to target platforms
E5	NON-CORE	Conduct nodal analysis
E5	NON-CORE	Conduct Sensitive Site Exploitation (SSE) analysis
E4	CORE	Construct Order of Battle (OOB)
E4	CORE	Determine intelligence document source
E5	CORE	Develop Area of Responsibility (AOR) target data
E5	NON-CORE	Develop network maps
E5	NON-CORE	Develop Pattern-of-Life (POL) analysis profile
E5	CORE	Develop target packages
E5	CORE	Develop target profiles
E4	CORE	Draft fused Signals Intelligence (SIGINT) reports
E4	CORE	Draft intelligence product reports
E5	CORE	Draft post-mission products
E4	CORE	Draft time-sensitive reports
E5	CORE	Edit serialized intelligence reports for dissemination
E4	NON-CORE	Fuse technical data to develop target communications profiles
E4	CORE	Generate Request for Information (RFI)
E4	NON-CORE	Identify target communications within the global network
E4	NON-CORE	Identify the functions of a target's network elements
E6	NON-CORE	Manage Radio Frequency (RF) propagation modeling
E5	CORE	Map communications networks
E5	NON-CORE	Perform advanced characterization of the electronic environment
E5	NON-CORE	Perform asset source validation
E4	CORE	Perform content analysis
E4	CORE	Perform geolocation analysis



## INTELLIGENCE ANALYSIS AND PRODUCTION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Perform metadata analysis
E4	CORE	Perform multi-source analysis
E6	NON-CORE	Perform predictive assessment of adversary actions
E5	NON-CORE	Perform Radio Frequency (RF) propagation modeling
E5	CORE	Perform Signals Intelligence (SIGINT) fusion analysis
E4	NON-CORE	Perform Signals Intelligence (SIGINT) Geospatial Analysis (SGA)
E4	CORE	Perform Signals Intelligence (SIGINT) research using Intelligence Community (IC) databases
E4	CORE	Perform traffic analysis
E5	NON-CORE	Perform unattended sensor analysis
E5	NON-CORE	Perform untethered analysis
E4	CORE	Produce area of interest briefs
E5	CORE	Produce target communications profiles using technical data
E4	CORE	Provide response to Request for Information (RFI)
E5	CORE	Research network technologies
E4	CORE	Research Open Source Intelligence (OSINT)
E5	CORE	Review time-sensitive reports
E5	NON-CORE	Support development of persona profiles
E6	CORE	Validate Signals Intelligence (SIGINT) product reports
E5	CORE	Verify collected information meets intelligence needs

## INTELLIGENCE AND DATA COLLECTION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Analyze Electromagnetic (EM) spectrum for targeting
E5	CORE	Analyze system, event, and network logs
E4	CORE	Assess Indication & Warning (I&W) threats
E4	CORE	Execute commands within various Operating Systems (OS)
E5	NON-CORE	Input information to mission databases and collection repositories
E6	CORE	Maintain target lists (e.g., Regional Target List (RTL), Joint Target List (JTL), Combined Target List (CTL), etc.)
E6	CORE	Manage geolocation operations
E5	NON-CORE	Nominate unique identifiers
E4	CORE	Perform Boolean and Lucene logic
E4	CORE	Perform Direction Finding (DF) of Signals of Interest (SOI)
E4	CORE	Perform geolocation of Signals of Interest (SOI)
E5	CORE	Perform packet capture (PCAP)
E5	CORE	Provide feedback to developers on signals collection, processing, and analysis tools
E4	CORE	Review equipment status for operability
E6	CORE	Supervise Intelligence, Surveillance, and Reconnaissance (ISR) operations

### INTELLIGENCE AND DATA COLLECTION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Supervise Signals Intelligence (SIGINT) Intelligence, Surveillance, and Reconnaissance (ISR)
E4	CORE	Troubleshoot system equipment failures and errors
E4	CORE	Troubleshoot system software failures and errors
E5	CORE	Validate mission plans

### INTELLIGENCE INTEGRATION AND DISSEMINATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Brief cryptologic and intelligence products
E4	CORE	Brief Signal Intelligence (SIGINT) operations and capabilities
E6	NON-CORE	Conduct Knowledge Management (KM)
E5	CORE	Coordinate target analysis with external units
E4	CORE	Disseminate time-sensitive reports
E6	CORE	Enforce compliance with Intelligence Oversight (IO) requirements
E6	CORE	Evaluate analysis and reporting operations
E7	CORE	Manage dataflow
E7	CORE	Manage dissemination of Signals Intelligence (SIGINT) reports
E7	CORE	Manage Signals Intelligence (SIGINT) Indications and Warnings (I&W)
E4	CORE	Perform dataflow
E6	NON-CORE	Release serialized intelligence reports for dissemination
E5	CORE	Sanitize cryptologic data for dissemination
E6	CORE	Supervise dataflow

### INTELLIGENCE PLANNING AND DIRECTION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Align tasking to mission requirements
E6	CORE	Analyze collection metrics
E4	CORE	Analyze collection sources
E7	CORE	Assign assets and resources to meet intelligence requirements
E5	CORE	Collaborate with Intelligence Community (IC) analysts
E5	CORE	Compile collection metrics
E5	NON-CORE	Conduct Intelligence Preparation of the Operating Environment (IPOE)
E5	NON-CORE	Conduct Joint Intelligence Preparation of the Operational Environment (JIPOE)
E7	NON-CORE	Construct collection matrix
E7	CORE	Construct collection plans
E4	CORE	Construct Signals Intelligence (SIGINT) Order of Battle (OOB)
E6	CORE	Coordinate available intelligence resources
E7	CORE	Coordinate Concept of Operations (CONOPS) through Stakeholders
E5	CORE	Coordinate geolocation operations
E7	CORE	Coordinate mission operations

## INTELLIGENCE PLANNING AND DIRECTION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklist
E5	NON-CORE	Coordinate target vetting with appropriate partners
E7	NON-CORE	Coordinate with Special Access Program (SAP)/Integrated Joint Special Technical Operations (IJSTO) planners/Review and Approval Process (RAP)
E7	CORE	Create cryptologic tasking for mission requirements
E7	CORE	Cross-check Intelligence Requirements (IR)
E5	NON-CORE	Deconflict frequency usage
E5	NON-CORE	Deconflict network operations
E5	CORE	Determine collection gaps
E7	NON-CORE	Determine intelligence gaps
E6	CORE	Determine requirements for collection
E6	NON-CORE	Determine Signals Intelligence (SIGINT) capabilities of assets relevant to specific target area
E5	NON-CORE	Develop communications Electronic Attack (EA) briefs
E7	CORE	Develop mission tasking in accordance with the National Intelligence Priorities Framework (NIPF)
E7	NON-CORE	Develop Signals Intelligence (SIGINT)/Electronic Warfare (EW) plans
E5	NON-CORE	Develop target templates
E7	CORE	Direct Signals Intelligence (SIGINT) taskings
E7	CORE	Draft Signals Intelligence (SIGINT) operations policies and procedures
E5	NON-CORE	Establish communications infrastructure for data exfiltration
E7	CORE	Evaluate collection metrics
E4	CORE	Identify information flow within the intelligence cycle (Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED))
E4	CORE	Identify limitations of tools, techniques, and analytics
E4	CORE	Implement United States Signals Intelligence Directives (USSID)
E7	CORE	Incorporate Commander's Critical Information Requirements (CCIR) to include priority intelligence requirements (PIR) into collection management activities
E6	NON-CORE	Manage accesses on a Mission Correlation Table (MCT)
E7	CORE	Manage Critical (CRITIC) message programs
E7	CORE	Manage cryptologic material condition readiness
E7	CORE	Manage Signals Intelligence (SIGINT) and mission requirement resources
E5	NON-CORE	Perform database auditing
E5	NON-CORE	Predict equipment performance characteristics based on atmospheric data
E7	CORE	Prioritize Intelligence Requirements (IR)
E6	NON-CORE	Provide coordination, validation, and management assistance of intelligence collection requirements, plans, and/or activities

### INTELLIGENCE PLANNING AND DIRECTION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Provide coordination, validation, and management assistance of Signals Intelligence (SIGINT) collection requirements, plans, and/or activities
E4	NON-CORE	Provide input to Concept of Operations (CONOPS)
E7	CORE	Submit cryptologic capabilities requirements for implementation and mission sustainment
E6	NON-CORE	Submit priority recommendations to support Commander's Critical Information Requirements (CCIR)
E7	CORE	Validate Collection Management Authority (CMA) requirements
E7	NON-CORE	Validate Collection Management Authority (CMA) requirements in support of Intelligence, Surveillance and Reconnaissance (ISR) Concept of Operations (CONOPS)
E5	CORE	Verify mission taskings

### INTELLIGENCE PROCESSING AND EXPLOITATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Analyze digital speech
E4	CORE	Analyze Foreign Instrumentation Signals Intelligence (FISINT)
E4	CORE	Analyze modems
E4	CORE	Analyze multiple access schemes
E4	CORE	Analyze non-communications signals
E4	CORE	Analyze PROFORMA
E4	CORE	Analyze short duration signals
E4	CORE	Analyze Unmanned Systems (UxS) communications for exploitation
E4	CORE	Analyze Very High Frequency/Ultra High Frequency/Push To Talk (V/UHF/PTT) communications for exploitation
E4	NON-CORE	Analyze wireless communications for targeting
E5	CORE	Conduct analysis with Counter-Unmanned Systems (C-UxS)
E5	NON-CORE	Construct tools for analysis
E4	CORE	Convert numbering systems
E4	CORE	Correlate case notations
E4	CORE	Determine Communication Emitter Notations (CENOT)
E5	NON-CORE	Develop automation processes
E5	NON-CORE	Develop scripts and programs
E5	NON-CORE	Perform bulk-data manipulation
E5	NON-CORE	Perform media analysis (e.g., memory, phones, physical devices, etc.)
E4	NON-CORE	Perform protocol analysis
E4	CORE	Perform target exploitation operations
E5	NON-CORE	Perform technical Signals Intelligence (SIGINT) target analysis

## NETWORK EXPLOITATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze digital network communications
E5	NON-CORE	Analyze network device configurations
E5	NON-CORE	Analyze network traffic to identify anomalous activity and potential threats
E5	NON-CORE	Analyze network vulnerabilities
E5	NON-CORE	Conduct mid-point analysis
E5	NON-CORE	Determine basic structure and architecture of networks
E5	NON-CORE	Determine Operating System (OS) characteristics
E5	NON-CORE	Determine software and hardware vulnerabilities
E5	NON-CORE	Evaluate information networks defensive posture of target networks
E5	NON-CORE	Identify access vectors for networks of interest

## TRAINING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Conduct cryptologic certifications
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Team (CSSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E7	CORE	Coordinate pre-deployment training requirements
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Team (CSSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Team (CSSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), Outlaw in a Box (OiaB), Signals Intelligence (SIGINT) Processing, Analysis, and Reporting Course (SPARC), etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Team (CSSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E5	CORE	Maintain awareness of advancements in hardware and software technologies and their potential vulnerabilities
E7	NON-CORE	Manage Command Readiness Training Team (CRTT)
E7	CORE	Manage fleet training requirements for Operations in the Information Environment (OIE)
E7	NON-CORE	Support wargaming

**Job Title**  
**Signals Analyst**

**Job Code**  
**001077**

**Job Family**  
 Computer and Mathematical

**NOC**  
 TBD

**Short Title (30 Characters)**  
 SIGNALS ANALYST

**Short Title (14 Characters)**  
 SIGNALS ANALYST

**Pay Plan**  
 Enlisted

**Career Field**  
 CTR

**Other Relationships and Rules**  
 NECs CXXX series and other any NECs as assigned

**Job Description**

Signals Analysts conduct signals search, analysis, target identification, and reporting operations; develop, evaluate, and execute target mission plans to include exploitation, manipulation, and management of the Electromagnetic (EM) spectrum; collect and process Signals of Interest (SOI) employing demodulation, demultiplexing techniques, and coding theory; perform in-depth analysis of waveform propagation, theory, reporting of signals, and provide locational data; research and develop signals; perform digital communications and bit stream analysis; construct waveforms in support of Operations in the Information Environment (OIE) and integrated fires; conduct protocol analysis; and develop automated processes to meet Fleet, Joint, and National requirements.

**DoD Relationship**

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

**O\*NET Relationship**

**Occupation Title** Mathematicians  
**SOC Code** 15-2021.00

**Job Family** Computer and Mathematical

**Skills**

Science  
 Mathematics  
 Critical Thinking  
 Reading Comprehension  
 Complex Problem Solving  
 Judgment and Decision Making  
 Operation and Control  
 Management of Material Resources  
 Coordination  
 Writing

**Abilities**

Deductive Reasoning  
 Information Ordering  
 Inductive Reasoning  
 Written Comprehension  
 Written Expression  
 Speed of Closure  
 Flexibility of Closure  
 Category Flexibility  
 Problem Sensitivity  
 Oral Expression

**FIREPOWER EMPLOYMENT**

<b>Paygrade</b>	<b>Task Type</b>	<b>Task Statements</b>
E5	CORE	Create Electronic Attack (EA) waveforms
E5	CORE	Support Battle Damage Assessments (BDA)

**FORCE PROTECTION**

<b>Paygrade</b>	<b>Task Type</b>	<b>Task Statements</b>
E4	CORE	Control access to restricted areas
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Document receipt of classified materials
E7	CORE	Enforce Operations Security (OPSEC)
E4	CORE	Implement Emergency Action Plans (EAP)
E7	CORE	Manage Sensitive Compartmented Information Facility (SCIF) accreditations
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Properly mark Sensitive Compartmented Information (SCI) materials
E4	CORE	Provide Military Deception (MILDEC) support
E4	CORE	Safeguard Sensitive Compartmented Information (SCI) materials

### FORCE PROTECTION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Supervise Emergency Action Plan (EAP) operations
E4	CORE	Transport Sensitive Compartmented Information (SCI) materials

### INFORMATION OPERATION SUPPORT

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Manage Operations in the Information Environment (OIE) efforts

### INTEGRATED TARGETING CAPABILITY

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Provide target nomination recommendations which meet Commander's objectives

### INTELLIGENCE ANALYSIS AND PRODUCTION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze communication device capabilities
E4	CORE	Analyze intercept of Essential Elements of Information (EEI)
E4	CORE	Analyze Satellite Communications (SATCOM) elements
E4	CORE	Assign identifiers to target platforms
E4	CORE	Construct Order of Battle (OOB)
E4	CORE	Determine intelligence document source
E5	CORE	Develop Area of Responsibility (AOR) target data
E5	CORE	Draft post-mission products
E5	NON-CORE	Draft signals analysis briefs
E5	CORE	Draft signals analysis reports
E4	CORE	Generate Request for Information (RFI)
E6	NON-CORE	Perform advanced bit stream analysis
E5	NON-CORE	Perform advanced characterization of the electronic environment
E4	CORE	Perform content analysis
E4	CORE	Perform geolocation analysis
E5	NON-CORE	Perform intermediate bit stream analysis
E4	CORE	Perform metadata analysis
E4	CORE	Perform Signals Intelligence (SIGINT) research using Intelligence Community (IC) databases
E5	NON-CORE	Perform unattended sensor analysis
E5	CORE	Produce target communications profiles using technical data
E4	CORE	Provide response to Request for Information (RFI)
E5	CORE	Research network technologies
E4	CORE	Research Open Source Intelligence (OSINT)
E5	CORE	Review time-sensitive reports
E5	CORE	Verify collected information meets intelligence needs

## INTELLIGENCE AND DATA COLLECTION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze Electromagnetic (EM) spectrum for exploitation
E5	CORE	Analyze system, event, and network logs
E5	NON-CORE	Check Signal Descriptor Files (SDF) performance
E4	CORE	Collect Signals of Interest (SOI)
E5	NON-CORE	Create Signal Descriptor Files (SDF)
E4	CORE	Demodulate Signals of Interest (SOI)
E4	CORE	Execute commands within various Operating Systems (OS)
E5	NON-CORE	Exploit modulation types
E4	CORE	Identify Signals of Interest (SOI)
E5	NON-CORE	Input information to mission databases and collection repositories
E4	CORE	Modify Signal Descriptor Files (SDF)
E5	CORE	Optimize collection systems
E4	CORE	Perform Boolean and Lucene logic
E4	NON-CORE	Perform remote access operations
E5	NON-CORE	Perform Signal Research Technical Development (SRTD) operations
E4	CORE	Perform Signals Research and Target Development (SRTD)
E4	CORE	Perform wireless surveys
E5	CORE	Provide feedback to developers on signals collection, processing, and analysis tools
E4	CORE	Review equipment status for operability
E4	CORE	Troubleshoot system equipment failures and errors
E4	CORE	Troubleshoot system software failures and errors
E5	CORE	Validate mission plans
E5	NON-CORE	Validate Signal Descriptor Files (SDF)
E4	CORE	Validate system Radio Frequency (RF) distribution paths

## INTELLIGENCE INTEGRATION AND DISSEMINATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Brief cryptologic and intelligence products
E4	CORE	Brief Signal Intelligence (SIGINT) operations and capabilities
E6	NON-CORE	Conduct Knowledge Management (KM)
E6	CORE	Enforce compliance with Intelligence Oversight (IO) requirements
E4	CORE	Forward digitized signals
E7	CORE	Manage dataflow
E4	CORE	Perform dataflow
E5	CORE	Sanitize cryptologic data for dissemination
E6	CORE	Supervise dataflow

## INTELLIGENCE PLANNING AND DIRECTION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Align tasking to mission requirements



## INTELLIGENCE PLANNING AND DIRECTION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Analyze collection metrics
E4	CORE	Analyze collection sources
E7	CORE	Assign assets and resources to meet intelligence requirements
E5	CORE	Collaborate with Intelligence Community (IC) analysts
E5	CORE	Compile collection metrics
E4	CORE	Construct Signals Intelligence (SIGINT) Order of Battle (OOB)
E7	CORE	Coordinate mission operations
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklist
E7	NON-CORE	Coordinate with Special Access Program (SAP)/Integrated Joint Special Technical Operations (IJSTO) planners/Review and Approval Process (RAP)
E7	CORE	Create cryptologic tasking for mission requirements
E7	CORE	Cross-check Intelligence Requirements (IR)
E6	CORE	Determine requirements for collection
E7	CORE	Draft Signals Intelligence (SIGINT) operations policies and procedures
E7	CORE	Evaluate collection metrics
E4	CORE	Identify information flow within the intelligence cycle (Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED))
E4	CORE	Identify limitations of tools, techniques, and analytics
E4	CORE	Implement United States Signals Intelligence Directives (USSID)
E7	CORE	Incorporate Commander's Critical Information Requirements (CCIR) to include priority intelligence requirements (PIR) into collection management activities
E6	NON-CORE	Manage accesses on a Mission Correlation Table (MCT)
E7	CORE	Manage Critical (CRITIC) message programs
E7	CORE	Manage cryptologic material condition readiness
E7	CORE	Manage System Operational Verification Tests (SOVT)
E5	NON-CORE	Perform database auditing
E7	CORE	Prioritize Intelligence Requirements (IR)
E6	CORE	Provide coordination, validation, and management assistance of Signals Intelligence (SIGINT) collection requirements, plans, and/or activities
E4	NON-CORE	Provide input to Concept of Operations (CONOPS)
E7	CORE	Submit cryptologic capabilities requirements for implementation and mission sustainment
E6	NON-CORE	Submit priority recommendations to support Commander's Critical Information Requirements (CCIR)

## INTELLIGENCE PROCESSING AND EXPLOITATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Analyze digital speech
E4	CORE	Analyze Foreign Instrumentation Signals Intelligence (FISINT)
E4	CORE	Analyze modems

## INTELLIGENCE PROCESSING AND EXPLOITATION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze multiple access schemes
E4	CORE	Analyze non-communications signals
E4	CORE	Analyze PROFORMA
E5	NON-CORE	Analyze pulse code formats
E4	CORE	Analyze short duration signals
E5	CORE	Analyze signal internal non-information bits
E5	NON-CORE	Analyze spread spectrum Signals of Interest (SOI)
E4	CORE	Analyze Unmanned Systems (UxS) communications for exploitation
E5	CORE	Analyze Unmanned Systems (UxS) technical communications elements
E4	CORE	Analyze Very High Frequency/Ultra High Frequency/Push To Talk (V/UHF/PTT) communications for exploitation
E4	CORE	Analyze wireless communications for exploitation
E5	NON-CORE	Construct tools for analysis
E4	CORE	Convert numbering systems
E4	CORE	Correlate case notations
E4	CORE	Demodulate basic signals
E5	NON-CORE	Demultiplex intermediate signals
E5	NON-CORE	Demultiplex known signals
E6	NON-CORE	Demultiplex unknown signals
E5	NON-CORE	Detect anomalies through signals analysis
E4	CORE	Detect bit synchronizers
E4	CORE	Determine Communication Emitter Notations (CENOT)
E4	NON-CORE	Determine digital line coding schemes
E4	CORE	Determine error detection and correction schemes
E4	CORE	Determine Linear Recursive Sequences (LRS)
E4	CORE	Determine short duration and non-communications signals
E5	NON-CORE	Develop automation processes
E5	NON-CORE	Develop scripts and programs
E4	CORE	Identify Communication External (COMEXT)
E4	CORE	Identify Foreign Instrumentation Signals Intelligence (FISINT)
E4	CORE	Identify PROFORMA
E6	NON-CORE	Perform advanced demodulations
E4	CORE	Perform basic bit stream analysis
E4	NON-CORE	Perform protocol analysis
E5	NON-CORE	Perform signal internal decryption
E5	NON-CORE	Perform signal-encryption analysis
E5	NON-CORE	Perform technical Signals Intelligence (SIGINT) target analysis
E4	CORE	Perform waveform analysis

## INTELLIGENCE PROCESSING AND EXPLOITATION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Perform wavelength to frequency conversions
E4	CORE	Process digital network communications
E4	CORE	Process Signals of Interest (SOI)
E4	CORE	Verify internal signal structures

## NETWORK EXPLOITATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze digital network communications
E5	NON-CORE	Analyze network vulnerabilities
E5	NON-CORE	Analyze standard and non-standard protocols
E6	NON-CORE	Analyze unknown protocols
E5	NON-CORE	Conduct proximal access network operations
E5	NON-CORE	Determine basic structure and architecture of networks

## TRAINING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Conduct cryptologic certifications
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E7	CORE	Coordinate pre-deployment training requirements
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), Outlaw in a Box (OiaB), Signals Intelligence (SIGINT) Processing, Analysis, and Reporting Course (SPARC), etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E5	CORE	Maintain awareness of advancements in hardware and software technologies and their potential vulnerabilities
E7	NON-CORE	Manage Command Readiness Training Team (CRTT)
E7	NON-CORE	Support wargaming

**Job Title****Collection Operator****Job Code****002746****Job Family**

Computer and Mathematical

**NOC**

TBD

**Short Title (30 Characters)**

COLLECTION OPERATOR

**Short Title (14 Characters)**

COLL OPERATOR

**Pay Plan**

Enlisted

**Career Field**

CTR

**Other Relationships and Rules**

NEC CXXX series and other NECs as assigned

**Job Description**

Collection Operators operate and manage collection systems to intercept and analyze Signals of Interests (SOI) for the purpose of identification, exploitation, and reporting; identify, track, and report adversary geospatial locations to support target identification, military operations, and Indications and Warning (I&W); perform Operations in the Information Environment (OIE); perform own force monitoring; optimize Signals Intelligence (SIGINT) collection resources; and prioritize tasking in support of Fleet, Joint, and National requirements.

**DoD Relationship**Group Title

Intercept Operators (Code and Non-Code)

DoD Code

123100

**O\*NET Relationship**Occupation Title

Information Security Analysts

SOC Code

15-1212.00

Job Family

Computer and Mathematical

**Skills***Critical Thinking**Operation and Control**Reading Comprehension**Management of Material Resources**Coordination**Judgment and Decision Making**Science**Complex Problem Solving**Equipment Selection**Mathematics***Abilities***Deductive Reasoning**Inductive Reasoning**Written Comprehension**Information Ordering**Written Expression**Speed of Closure**Category Flexibility**Problem Sensitivity**Oral Expression**Spatial Orientation***FIREPOWER EMPLOYMENT****Paygrade**

E4

**Task Type**

CORE

**Task Statements**

Analyze Unmanned Systems (UxS) communications for targeting

E5

NON-CORE

Assess collateral effects of operations

E5

CORE

Assess Measures of Performance (MOP)

E4

CORE

Collect Battle Damage Indicators (BDI)

E4

CORE

Comply with Rules of Engagement (ROE)

E5

CORE

Conduct Counter-Unmanned Systems (C-UxS) operations

E5

CORE

Conduct Electronic Attack (EA) missions

E5

NON-CORE

Conduct ground terminal guidance operations

E5

CORE

Create Electronic Attack (EA) waveforms

E5

CORE

Develop communications Electronic Attack (EA) Concept of Operations (CONOPS)

E7

CORE

Develop communications Electronic Attack (EA) plans

E5

CORE

Evaluate Measures of Effectiveness (MOE)

E6

NON-CORE

Identify windows of opportunity for strikes

E5

CORE

Support Battle Damage Assessments (BDA)

**FORCE PROTECTION****Paygrade**

E5

**Task Type**

CORE

**Task Statements**

Conduct Counter-Intelligence Surveillance Reconnaissance Targeting (C-ISRT)

### FORCE PROTECTION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Control access to restricted areas
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E5	NON-CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Document receipt of classified materials
E7	CORE	Enforce Operations Security (OPSEC)
E5	NON-CORE	Establish Temporary-Sensitive Compartmented Information Facility (T-SCIF)
E4	CORE	Identify Electromagnetic Interference (EMI)
E4	CORE	Implement Emergency Action Plans (EAP)
E6	CORE	Manage Own Force Monitoring (OFM)
E7	CORE	Manage Sensitive Compartmented Information Facility (SCIF) accreditations
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Perform Counter-Intelligence, Surveillance, and Reconnaissance and Targeting (C-ISRT)
E4	CORE	Perform Own Force Monitoring (OFM)
E4	CORE	Properly mark Sensitive Compartmented Information (SCI) materials
E4	CORE	Provide Military Deception (MILDEC) support
E4	CORE	Report Electronic Attack (EA) against friendly units, systems, links or nodes
E4	CORE	Safeguard Sensitive Compartmented Information (SCI) materials
E5	CORE	Supervise Emergency Action Plan (EAP) operations
E5	NON-CORE	Support Keyed Material Inventory (KMI) Operations
E4	CORE	Transport Sensitive Compartmented Information (SCI) materials

### INFORMATION OPERATION SUPPORT

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Conduct Military Information Support Operations (MISO)
E7	CORE	Coordinate Operations in the Information Environment (OIE)
E5	NON-CORE	Establish Command and Control (C2) link for Unmanned Systems (UxS) payloads
E4	CORE	Maintain position logs
E7	CORE	Manage Operations in the Information Environment (OIE) efforts
E5	NON-CORE	Manage system software updates
E4	CORE	Perform Electronic Warfare (EW) support
E4	CORE	Provide Indications and Warnings (I&W) to tactical commanders
E6	NON-CORE	Provide input to Counter-Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, Reconnaissance, and Target (C-C5ISR) planning process

### INTEGRATED TARGETING CAPABILITY

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Advise target vectoring
E5	NON-CORE	Analyze adversary critical capabilities, requirements, and vulnerabilities
E5	NON-CORE	Evaluate threat envelopes

## INTEGRATED TARGETING CAPABILITY (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Identify adversary critical capabilities, requirements, and vulnerabilities
E5	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)
E4	NON-CORE	Identify target from multiple intelligence sources
E6	CORE	Integrate targeting efforts with other organization and combatant commands
E5	CORE	Provide target nomination recommendations which meet Commander's objectives
E5	CORE	Provide targeting Combat Identification (CID) recommendations
E4	NON-CORE	Support track management and target identification

## INTELLIGENCE ANALYSIS AND PRODUCTION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze communication device capabilities
E4	CORE	Analyze Communication External (COMEXT)
E4	CORE	Analyze intercept of Essential Elements of Information (EEI)
E4	CORE	Analyze Satellite Communications (SATCOM) elements
E4	CORE	Assign identifiers to target platforms
E5	NON-CORE	Conduct Sensitive Site Exploitation (SSE) analysis
E4	CORE	Construct Order of Battle (OOB)
E4	CORE	Determine intelligence document source
E5	CORE	Develop Area of Responsibility (AOR) target data
E5	NON-CORE	Develop Pattern-of-Life (POL) analysis profile
E5	CORE	Draft post-mission products
E4	CORE	Draft time-sensitive reports
E4	CORE	Generate Request for Information (RFI)
E6	NON-CORE	Manage Radio Frequency (RF) propagation modeling
E5	NON-CORE	Perform advanced characterization of the electronic environment
E4	CORE	Perform content analysis
E4	CORE	Perform geolocation analysis
E4	CORE	Perform metadata analysis
E5	NON-CORE	Perform Radio Frequency (RF) propagation modeling
E4	CORE	Perform Signals Intelligence (SIGINT) research using Intelligence Community (IC) databases
E4	CORE	Perform traffic analysis
E5	NON-CORE	Perform untethered analysis
E4	CORE	Produce area of interest briefs
E4	CORE	Provide response to Request for Information (RFI)
E5	CORE	Research network technologies
E4	CORE	Research Open Source Intelligence (OSINT)
E5	CORE	Review time-sensitive reports
E6	CORE	Validate Signals Intelligence (SIGINT) product reports

## INTELLIGENCE AND DATA COLLECTION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Verify collected information meets intelligence needs
E4	CORE	Allocate Signals Intelligence (SIGINT) collection resources to assigned tasking
E4	CORE	Analyze Electromagnetic (EM) spectrum for exploitation
E5	CORE	Analyze system, event, and network logs
E4	CORE	Assess Indication & Warning (I&W) threats
E5	NON-CORE	Check Signal Descriptor Files (SDF) performance
E4	CORE	Collect Signals of Interest (SOI)
E5	NON-CORE	Conduct low visibility collection operations/unconventional collections
E5	NON-CORE	Conduct tactical survey operations
E4	CORE	Configure systems for signals collection
E4	CORE	Create mission plans
E4	CORE	Demodulate Signals of Interest (SOI)
E4	CORE	Employ antennae for signals exploitation
E4	CORE	Employ receivers for signals exploitation
E4	CORE	Execute commands within various Operating Systems (OS)
E5	NON-CORE	Exploit modulation types
E5	NON-CORE	Fabricate collection equipment (Commercial Off The Shelf/Government Off The Shelf (COTS/GOTS))
E4	CORE	Identify Signals of Interest (SOI)
E4	CORE	Implement cryptologic tasking
E5	NON-CORE	Input information to mission databases and collection repositories
E6	CORE	Maintain target lists (e.g., Regional Target List (RTL), Joint Target List (JTL), Combined Target List (CTL), etc.)
E7	CORE	Manage collection of Signals of Interest (SOI)
E7	CORE	Manage collection system operations and configurations
E7	CORE	Manage exploitation of Electromagnetic (EM) spectrum
E6	CORE	Manage geolocation operations
E4	CORE	Modify Signal Descriptor Files (SDF)
E4	CORE	Monitor Signals of Interest (SOI) frequencies
E5	NON-CORE	Nominate unique identifiers
E5	NON-CORE	Operate Blue Force Unmanned Systems (UxS) sensors
E5	CORE	Optimize collection systems
E4	CORE	Perform Boolean and Lucene logic
E4	CORE	Perform Direction Finding (DF) of distress signals
E4	CORE	Perform Direction Finding (DF) of Signals of Interest (SOI)
E4	CORE	Perform geolocation of distress signals
E4	CORE	Perform geolocation of Signals of Interest (SOI)
E4	NON-CORE	Perform Morse Code operations
E5	CORE	Perform packet capture (PCAP)

## INTELLIGENCE AND DATA COLLECTION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Perform remote access operations
E4	NON-CORE	Perform shutdown procedures for collection systems
E5	NON-CORE	Perform Signal Research Technical Development (SRTD) operations
E5	CORE	Perform Signals Intelligence (SIGINT) Intelligence, Surveillance, and Reconnaissance (ISR)
E4	CORE	Perform Signals Research and Target Development (SRTD)
E4	NON-CORE	Perform startup procedures for collection systems
E5	NON-CORE	Perform tactical collection operations
E5	NON-CORE	Perform unattended sensor emplacement operations
E5	NON-CORE	Perform untethered collections
E4	CORE	Perform wireless surveys
E5	CORE	Provide feedback to developers on signals collection, processing, and analysis tools
E4	CORE	Record signals for post collection analysis
E4	CORE	Review equipment status for operability
E6	CORE	Supervise collection operations
E6	CORE	Supervise collection system operations and configurations
E6	CORE	Supervise collections of Signals of Interest (SOI)
E6	CORE	Supervise Intelligence, Surveillance, and Reconnaissance (ISR) operations
E6	CORE	Supervise Signals Intelligence (SIGINT) Intelligence, Surveillance, and Reconnaissance (ISR)
E4	CORE	Troubleshoot system equipment failures and errors
E4	CORE	Troubleshoot system software failures and errors
E5	CORE	Validate mission plans
E4	CORE	Validate system Radio Frequency (RF) distribution paths

## INTELLIGENCE INTEGRATION AND DISSEMINATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Brief cryptologic and intelligence products
E4	CORE	Brief Signal Intelligence (SIGINT) operations and capabilities
E6	NON-CORE	Conduct Knowledge Management (KM)
E5	CORE	Coordinate target analysis with external units
E4	CORE	Disseminate time-sensitive reports
E6	CORE	Enforce compliance with Intelligence Oversight (IO) requirements
E4	CORE	Forward digitized signals
E7	CORE	Manage dataflow
E7	CORE	Manage dissemination of Signals Intelligence (SIGINT) reports
E7	CORE	Manage Signals Intelligence (SIGINT) Indications and Warnings (I&W)
E4	CORE	Perform dataflow
E5	CORE	Sanitize cryptologic data for dissemination
E6	CORE	Supervise dataflow



## INTELLIGENCE PLANNING AND DIRECTION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Align tasking to mission requirements
E6	CORE	Analyze collection metrics
E4	CORE	Analyze collection sources
E7	CORE	Assign assets and resources to meet intelligence requirements
E5	CORE	Collaborate with Intelligence Community (IC) analysts
E5	CORE	Compile collection metrics
E5	NON-CORE	Conduct Intelligence Preparation of the Operating Environment (IPOE)
E5	NON-CORE	Conduct Joint Intelligence Preparation of the Operational Environment (JIPOE)
E7	NON-CORE	Construct collection matrix
E7	CORE	Construct collection plans
E4	CORE	Construct Signals Intelligence (SIGINT) Order of Battle (OOB)
E6	CORE	Coordinate available intelligence resources
E7	CORE	Coordinate Concept of Operations (CONOPS) through Stakeholders
E5	CORE	Coordinate geolocation operations
E7	CORE	Coordinate mission operations
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklist
E7	CORE	Create cryptologic tasking for mission requirements
E7	CORE	Cross-check Intelligence Requirements (IR)
E5	NON-CORE	Deconflict frequency usage
E5	CORE	Determine collection gaps
E7	NON-CORE	Determine intelligence gaps
E6	CORE	Determine requirements for collection
E6	NON-CORE	Determine Signals Intelligence (SIGINT) capabilities of assets relevant to specific target area
E5	NON-CORE	Develop communications Electronic Attack (EA) briefs
E7	CORE	Develop mission tasking in accordance with the National Intelligence Priorities Framework (NIPF)
E7	CORE	Direct Signals Intelligence (SIGINT) taskings
E7	CORE	Draft Signals Intelligence (SIGINT) operations policies and procedures
E5	NON-CORE	Establish communications infrastructure for data exfiltration
E7	CORE	Evaluate collection metrics
E4	CORE	Identify information flow within the intelligence cycle (Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED))
E4	CORE	Identify limitations of tools, techniques, and analytics
E4	CORE	Implement United States Signals Intelligence Directives (USSID)
E7	CORE	Incorporate Commander's Critical Information Requirements (CCIR) to include priority intelligence requirements (PIR) into collection management activities
E7	CORE	Integrate Signals Intelligence (SIGINT) resources

## INTELLIGENCE PLANNING AND DIRECTION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	NON-CORE	Manage accesses on a Mission Correlation Table (MCT)
E6	NON-CORE	Manage Afloat Direction Finding Control (ADFC)
E7	CORE	Manage Critical (CRITIC) message programs
E7	CORE	Manage Cryptologic Authority to Operate (ATO)
E7	CORE	Manage Cryptologic Carry-on Program (CCOP) systems/Mission Modules (MM)
E7	CORE	Manage cryptologic material condition readiness
E7	CORE	Manage remote access capabilities
E7	CORE	Manage Signals Intelligence (SIGINT) and mission requirement resources
E7	CORE	Manage System Operational Verification Tests (SOVT)
E5	NON-CORE	Perform database auditing
E7	CORE	Prioritize Intelligence Requirements (IR)
E6	NON-CORE	Provide coordination, validation, and management assistance of intelligence collection requirements, plans, and/or activities
E6	CORE	Provide coordination, validation, and management assistance of Signals Intelligence (SIGINT) collection requirements, plans, and/or activities
E4	NON-CORE	Provide input to Concept of Operations (CONOPS)
E7	CORE	Submit cryptologic capabilities requirements for implementation and mission sustainment
E6	NON-CORE	Submit priority recommendations to support Commander's Critical Information Requirements (CCIR)
E7	CORE	Validate Collection Management Authority (CMA) requirements
E7	NON-CORE	Validate Collection Management Authority (CMA) requirements in support of Intelligence, Surveillance and Reconnaissance (ISR) Concept of Operations (CONOPS)
E5	CORE	Verify mission taskings

## INTELLIGENCE PROCESSING AND EXPLOITATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Analyze digital speech
E4	CORE	Analyze modems
E4	CORE	Analyze multiple access schemes
E4	CORE	Analyze Unmanned Systems (UxS) communications for exploitation
E5	CORE	Analyze Unmanned Systems (UxS) technical communications elements
E4	CORE	Analyze wireless communications for exploitation
E5	CORE	Conduct analysis with Counter-Unmanned Systems (C-UxS)
E4	CORE	Convert numbering systems
E4	NON-CORE	Coordinate reach back support
E4	CORE	Correlate case notations
E4	CORE	Demodulate basic signals
E4	CORE	Detect bit synchronizers
E4	CORE	Determine Communication Emitter Notations (CENOT)

## INTELLIGENCE PROCESSING AND EXPLOITATION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Determine Linear Recursive Sequences (LRS)
E4	CORE	Determine short duration and non-communications signals
E5	NON-CORE	Develop automation processes
E4	CORE	Identify Communication External (COMEXT)
E4	CORE	Identify Foreign Instrumentation Signals Intelligence (FISINT)
E4	CORE	Identify PROFORMA
E4	CORE	Perform basic bit stream analysis
E5	NON-CORE	Perform technical Signals Intelligence (SIGINT) target analysis
E4	CORE	Perform waveform analysis
E4	CORE	Perform wavelength to frequency conversions
E4	CORE	Process digital network communications
E4	CORE	Process Signals of Interest (SOI)
E4	CORE	Verify internal signal structures

## NETWORK EXPLOITATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Conduct proximal access network operations

## TRAINING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Conduct cryptologic certifications
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Team (CSSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E5	CORE	Configure systems for training and testing evolutions
E7	CORE	Coordinate pre-deployment training requirements
E7	CORE	Coordinate systems testing evolutions
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Team (CSSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Team (CSSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), Outlaw in a Box (OiaB), Signals Intelligence (SIGINT) Processing, Analysis, and Reporting Course (SPARC), etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Team (CSSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E5	CORE	Maintain awareness of advancements in hardware and software technologies and their potential vulnerabilities
E7	NON-CORE	Manage Command Readiness Training Team (CRTT)
E7	CORE	Manage fleet training requirements for Operations in the Information Environment (OIE)
E5	NON-CORE	Operate embedded training system
E7	NON-CORE	Support wargaming

**Job Title****Non-Traditional Collector and Analyst****Job Code****002834****Job Family**

Protective Service

**NOC**

TBD

**Short Title (30 Characters)**

NONTRAD COLLECTION&amp;ANALYST

**Short Title (14 Characters)**

NONTRADITIONAL

**Pay Plan**

Enlisted

**Career Field**

CTR

**Other Relationships and Rules**

NEC CXXX series and other NECs as assigned

**Job Description**

Non-Traditional Collectors and Analysts work independently as Subject Matter Experts (SME) in radio frequency (RF) spectrum operations, functioning as critical liaisons for Signals Intelligence (SIGINT) equities, and fulfilling critical roles within special programs; operate state-of-the-art equipment in order to provide a wide variety of special collections support including tactical SIGINT and cyberspace operations; support direct action/special reconnaissance missions in arduous combat, near-peer, and low-visibility environments; perform preventive and corrective maintenance on Naval Special Warfare (NSW) and non-traditional collection systems used for analysis, monitoring, tracking, recognition, identification, targeting, and electronic attack; coordinate repair of special collection systems; fabricate collection equipment as needed in order to support mission and collection requirements; conduct unattended/unconventional collection efforts in support of Special Operations Forces (SOF) and key stakeholders within the Intelligence Community (IC); and perform SIGINT, direction finding, and precision geolocation operations in support of ground, airborne, and maritime Cyber, SIGINT, and Electronic Warfare (EW) mission and collections requirements.

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

Analysis

**DoD Code**

123200

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

Intelligence Analysts

**SOC Code**

33-3021.06

**Job Family**

Protective Service

**Skills***Critical Thinking**Judgment and Decision Making**Complex Problem Solving**Reading Comprehension**Coordination**Operation and Control**Management of Material Resources**Science**Equipment Selection**Systems Analysis***Abilities***Deductive Reasoning**Inductive Reasoning**Information Ordering**Written Comprehension**Written Expression**Speed of Closure**Category Flexibility**Oral Expression**Problem Sensitivity**Perceptual Speed***FIREPOWER EMPLOYMENT****Paygrade****Task Type****Task Statements**

E4

CORE

Analyze Unmanned Systems (UxS) communications for targeting

E5

NON-CORE

Assess collateral effects of operations

E5

CORE

Assess Measures of Performance (MOP)

E5

NON-CORE

Brief post-communication Electronic Attack (EA) assessments

E4

CORE

Collect Battle Damage Indicators (BDI)

E4

CORE

Comply with Rules of Engagement (ROE)

E5

CORE

Conduct Counter-Unmanned Systems (C-UxS) operations

E5

CORE

Conduct Electronic Attack (EA) missions

E5

NON-CORE

Conduct ground terminal guidance operations

E5

NON-CORE

Develop communications Electronic Attack (EA) plans

E5

CORE

Evaluate Measures of Effectiveness (MOE)

E6

NON-CORE

Identify windows of opportunity for strikes

E6

NON-CORE

Inform effects-sequencing recommendations

E5

NON-CORE

Provide Signals Intelligence (SIGINT) support to targeting

E5

NON-CORE

Supervise Electronic Attack (EA) employment

## **FIREPOWER EMPLOYMENT (CONT'D)**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	CORE	Support Battle Damage Assessments (BDA)

## **FIRE PROTECTION**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	CORE	Conduct Counter-Intelligence Surveillance Reconnaissance Targeting (C-ISRT)
E5	NON-CORE	Conduct Keyed Material Inventory (KMI) Operations
E4	CORE	Control access to restricted areas
E6	NON-CORE	Coordinate Emission Control (EMCON) conditions
E4	CORE	Destroy Sensitive Compartmented Information (SCI) materials
E4	NON-CORE	Determine current tactical picture
E5	NON-CORE	Determine jamming sources
E5	CORE	Determine satellite vulnerabilities
E4	CORE	Document receipt of classified materials
E7	CORE	Enforce Operations Security (OPSEC)
E5	NON-CORE	Establish Temporary-Sensitive Compartmented Information Facility (T-SCIF)
E4	CORE	Identify Electromagnetic Interference (EMI)
E4	CORE	Implement Emergency Action Plans (EAP)
E6	CORE	Manage Own Force Monitoring (OFM)
E7	NON-CORE	Manage spectrum plans
E4	CORE	Monitor Electromagnetic (EM) spectrum
E4	CORE	Perform Counter-Intelligence, Surveillance, and Reconnaissance and Targeting (C-ISRT)
E4	CORE	Perform Own Force Monitoring (OFM)
E4	CORE	Properly mark Sensitive Compartmented Information (SCI) materials
E4	CORE	Provide Military Deception (MILDEC) support
E4	CORE	Report Electronic Attack (EA) against friendly units, systems, links or nodes
E4	CORE	Safeguard Sensitive Compartmented Information (SCI) materials
E5	CORE	Supervise Emergency Action Plan (EAP) operations
E5	NON-CORE	Support Keyed Material Inventory (KMI) Operations
E4	CORE	Transport Sensitive Compartmented Information (SCI) materials

## **INFORMATION OPERATION SUPPORT**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	NON-CORE	Calculate detection ranges for Naval Special Warfare (NSW) specific platforms
E5	CORE	Conduct Military Information Support Operations (MISO)
E6	NON-CORE	Coordinate Operations in the Information Environment (OIE) assets
E5	NON-CORE	Coordinate overwatch support
E5	NON-CORE	Establish Command and Control (C2) link for Unmanned Systems (UxS) payloads
E5	NON-CORE	Manage system software updates
E4	CORE	Perform Electronic Warfare (EW) support

### INFORMATION OPERATION SUPPORT (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Provide Indications and Warnings (I&W) to tactical commanders
E6	NON-CORE	Provide input to Counter-Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, Reconnaissance, and Target (C-C5ISRT) planning process
E6	NON-CORE	Supervise Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process

### INTEGRATED TARGETING CAPABILITY

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Advise target vectoring
E5	NON-CORE	Analyze adversary critical capabilities, requirements, and vulnerabilities
E5	CORE	Develop targets in support of Commander's intent
E5	NON-CORE	Evaluate threat envelopes
E5	NON-CORE	Identify adversary critical capabilities, requirements, and vulnerabilities
E5	CORE	Identify adversary Tactics, Techniques, and Procedures (TTP)
E4	NON-CORE	Identify target from multiple intelligence sources
E4	CORE	Identify traffic source for targeting
E5	NON-CORE	Integrate targeting efforts with other organization and combatant commands
E5	NON-CORE	Perform non-traditional targeting
E5	CORE	Provide target nomination recommendations which meet Commander's objectives
E5	NON-CORE	Provide target Positive Identification (PID)
E5	CORE	Provide targeting Combat Identification (CID) recommendations
E5	NON-CORE	Provide Time Sensitive Target (TST) operations intelligence support
E4	NON-CORE	Support track management and target identification

### INTELLIGENCE ANALYSIS AND PRODUCTION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Analyze Command and Control (C2) networks for critical nodes
E5	NON-CORE	Analyze Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, Reconnaissance, and Target (C5ISRT) networks for critical nodes
E4	CORE	Analyze communication device capabilities
E4	CORE	Analyze intercept of Essential Elements of Information (EEI)
E5	NON-CORE	Analyze network intrusion global threat activity data
E4	CORE	Analyze Satellite Communications (SATCOM) elements
E6	NON-CORE	Assess adversary Intelligence, Surveillance, and Reconnaissance and Targeting (ISRT) capabilities
E4	CORE	Assign identifiers to target platforms
E5	NON-CORE	Conduct Sensitive Site Exploitation (SSE) analysis
E4	CORE	Construct Order of Battle (OOB)
E4	CORE	Determine intelligence document source
E5	CORE	Develop Area of Responsibility (AOR) target data
E5	NON-CORE	Develop cyber-persona profiles

## INTELLIGENCE ANALYSIS AND PRODUCTION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Develop network maps
E5	NON-CORE	Develop Pattern-of-Life (POL) analysis profile
E5	CORE	Develop target packages
E5	CORE	Develop target profiles
E4	CORE	Draft fused Signals Intelligence (SIGINT) reports
E4	CORE	Draft intelligence product reports
E5	CORE	Draft post-mission products
E5	NON-CORE	Draft signals analysis briefs
E4	CORE	Draft time-sensitive reports
E5	CORE	Edit serialized intelligence reports for dissemination
E4	NON-CORE	Fuse technical data to develop target communications profiles
E4	CORE	Generate Request for Information (RFI)
E6	NON-CORE	Identify Radio Frequency (RF) characteristics for Naval Special Warfare (NSW) specific equipment
E4	NON-CORE	Identify target communications within the global network
E4	NON-CORE	Identify the functions of a target's network elements
E5	NON-CORE	Maintain post-mission logs
E5	NON-CORE	Manage Radio Frequency (RF) propagation modeling
E5	CORE	Map communications networks
E5	NON-CORE	Perform advanced characterization of the electronic environment
E5	NON-CORE	Perform asset source validation
E4	CORE	Perform content analysis
E4	CORE	Perform geolocation analysis
E4	CORE	Perform metadata analysis
E4	CORE	Perform multi-source analysis
E5	CORE	Perform Signals Intelligence (SIGINT) fusion analysis
E4	NON-CORE	Perform Signals Intelligence (SIGINT) Geospatial Analysis (SGA)
E4	CORE	Perform Signals Intelligence (SIGINT) research using Intelligence Community (IC) databases
E4	CORE	Perform traffic analysis
E5	NON-CORE	Perform unattended sensor analysis
E5	NON-CORE	Perform untethered analysis
E4	CORE	Produce area of interest briefs
E5	CORE	Produce target communications profiles using technical data
E4	CORE	Provide response to Request for Information (RFI)
E5	CORE	Research network technologies
E4	CORE	Research Open Source Intelligence (OSINT)
E5	CORE	Review time-sensitive reports
E5	NON-CORE	Support development of persona profiles

## INTELLIGENCE AND DATA COLLECTION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Validate Signals Intelligence (SIGINT) product reports
E5	CORE	Verify collected information meets intelligence needs
E4	CORE	Allocate Signals Intelligence (SIGINT) collection resources to assigned tasking
E5	NON-CORE	Analyze common system services
E4	CORE	Analyze Electromagnetic (EM) spectrum for exploitation
E4	NON-CORE	Analyze Electromagnetic (EM) spectrum for targeting
E5	CORE	Analyze system, event, and network logs
E4	CORE	Assess Indication & Warning (I&W) threats
E4	CORE	Collect Signals of Interest (SOI)
E5	NON-CORE	Conduct low visibility collection operations/unconventional collections
E5	NON-CORE	Conduct non-standard collection operations/unconventional collection
E5	NON-CORE	Conduct non-traditional Signals Intelligence (SIGINT) targeting
E5	NON-CORE	Conduct Sensitive Site Exploitation (SSE) operations
E5	NON-CORE	Conduct tactical survey operations
E4	CORE	Configure systems for signals collection
E4	CORE	Demodulate Signals of Interest (SOI)
E4	CORE	Employ antennae for signals exploitation
E4	CORE	Employ receivers for signals exploitation
E4	CORE	Execute commands within various Operating Systems (OS)
E5	NON-CORE	Exploit modulation types
E5	NON-CORE	Fabricate collection equipment (Commercial Off The Shelf/Government Off The Shelf (COTS/GOTS))
E4	CORE	Identify Signals of Interest (SOI)
E5	NON-CORE	Implement digital collection expertise to enable intelligence gathering operations
E5	NON-CORE	Input information to mission databases and collection repositories
E6	CORE	Maintain target lists (e.g., Regional Target List (RTL), Joint Target List (JTL), Combined Target List (CTL), etc.)
E7	CORE	Manage collection of Signals of Interest (SOI)
E7	CORE	Manage collection system operations and configurations
E7	CORE	Manage exploitation of Electromagnetic (EM) spectrum
E6	CORE	Manage geolocation operations
E4	CORE	Monitor Signals of Interest (SOI) frequencies
E5	NON-CORE	Nominate unique identifiers
E5	NON-CORE	Operate Blue Force Unmanned Systems (UxS) sensors
E5	CORE	Optimize collection systems
E4	CORE	Perform Boolean and Lucene logic
E4	CORE	Perform Direction Finding (DF) of distress signals
E4	CORE	Perform Direction Finding (DF) of Signals of Interest (SOI)
E5	NON-CORE	Perform Electronic Surveillance (ES)



## INTELLIGENCE AND DATA COLLECTION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Perform geolocation of distress signals
E4	CORE	Perform geolocation of Signals of Interest (SOI)
E4	NON-CORE	Perform Operations in the Information Environment (OIE) utilizing Tactical Data Processors (TDP)
E5	CORE	Perform packet capture (PCAP)
E4	NON-CORE	Perform remote access operations
E4	NON-CORE	Perform shutdown procedures for collection systems
E5	CORE	Perform Signals Intelligence (SIGINT) Intelligence, Surveillance, and Reconnaissance (ISR)
E4	NON-CORE	Perform startup procedures for collection systems
E5	NON-CORE	Perform survey in support of cyberspace operations
E5	NON-CORE	Perform tactical Airborne Precision Geolocation operations (APGL)/Unmanned Systems (UxS) payload operations
E5	NON-CORE	Perform tactical collection operations
E5	NON-CORE	Perform unattended sensor emplacement operations
E5	NON-CORE	Perform untethered collections
E4	CORE	Perform wireless surveys
E5	CORE	Provide feedback to developers on signals collection, processing, and analysis tools
E4	CORE	Record signals for post collection analysis
E4	CORE	Review equipment status for operability
E6	CORE	Supervise collection operations
E6	CORE	Supervise collection system operations and configurations
E6	CORE	Supervise collections of Signals of Interest (SOI)
E6	CORE	Supervise Intelligence, Surveillance, and Reconnaissance (ISR) operations
E6	CORE	Supervise Signals Intelligence (SIGINT) Intelligence, Surveillance, and Reconnaissance (ISR)
E4	CORE	Troubleshoot system equipment failures and errors
E4	CORE	Troubleshoot system software failures and errors
E4	CORE	Validate system Radio Frequency (RF) distribution paths

## INTELLIGENCE INTEGRATION AND DISSEMINATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Brief cryptologic and intelligence products
E4	CORE	Brief Signal Intelligence (SIGINT) operations and capabilities
E6	NON-CORE	Conduct Knowledge Management (KM)
E5	CORE	Coordinate target analysis with external units
E4	CORE	Disseminate time-sensitive reports
E6	CORE	Enforce compliance with Intelligence Oversight (IO) requirements
E6	CORE	Evaluate analysis and reporting operations
E7	CORE	Manage dataflow

## INTELLIGENCE INTEGRATION AND DISSEMINATION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Manage dissemination of Signals Intelligence (SIGINT) reports
E7	CORE	Manage Signals Intelligence (SIGINT) Indications and Warnings (I&W)
E4	CORE	Perform dataflow
E7	NON-CORE	Provide process feedback to national systems managers
E6	NON-CORE	Release serialized intelligence reports for dissemination
E5	CORE	Sanitize cryptologic data for dissemination
E6	CORE	Supervise dataflow

## INTELLIGENCE PLANNING AND DIRECTION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Align tasking to mission requirements
E6	CORE	Analyze collection metrics
E4	CORE	Analyze collection sources
E7	CORE	Assign assets and resources to meet intelligence requirements
E5	CORE	Collaborate with Intelligence Community (IC) analysts
E5	CORE	Compile collection metrics
E5	NON-CORE	Conduct Intelligence Preparation of the Operating Environment (IPOE)
E5	NON-CORE	Conduct Joint Intelligence Preparation of the Operational Environment (JIPOE)
E7	NON-CORE	Construct collection matrix
E7	CORE	Construct collection plans
E4	CORE	Construct Signals Intelligence (SIGINT) Order of Battle (OOB)
E6	CORE	Coordinate available intelligence resources
E7	CORE	Coordinate Concept of Operations (CONOPS) through Stakeholders
E7	NON-CORE	Coordinate data collection responsibilities
E5	CORE	Coordinate geolocation operations
E7	CORE	Coordinate mission operations
E6	CORE	Coordinate pre/post deployment briefs
E6	CORE	Coordinate pre/post deployment checklist
E6	NON-CORE	Coordinate Request to Transmit (RTT)
E5	NON-CORE	Coordinate target vetting with appropriate partners
E5	NON-CORE	Coordinate with foreign entities to complete mission objectives
E7	NON-CORE	Coordinate with Special Access Program (SAP)/Integrated Joint Special Technical Operations (IJSTO) planners/Review and Approval Process (RAP)
E7	CORE	Create cryptologic tasking for mission requirements
E7	CORE	Cross-check Intelligence Requirements (IR)
E5	NON-CORE	Deconflict frequency usage
E7	NON-CORE	Deconflict national target lists
E5	NON-CORE	Deconflict network operations
E5	NON-CORE	Deconflict Signals Intelligence (SIGINT) operations

## INTELLIGENCE PLANNING AND DIRECTION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Determine collection gaps
E7	NON-CORE	Determine intelligence gaps
E6	CORE	Determine requirements for collection
E5	NON-CORE	Develop communications Electronic Attack (EA) briefs
E6	NON-CORE	Develop detection range products for Naval Special Warfare (NSW) specific platforms
E7	CORE	Develop mission tasking in accordance with the National Intelligence Priorities Framework (NIPF)
E7	NON-CORE	Develop Signals Intelligence (SIGINT)/Electronic Warfare (EW) plans
E7	CORE	Direct Signals Intelligence (SIGINT) taskings
E5	NON-CORE	Draft Request to Transmit (RTT)
E7	CORE	Draft Signals Intelligence (SIGINT) operations policies and procedures
E5	NON-CORE	Establish communications infrastructure for data exfiltration
E7	CORE	Evaluate collection metrics
E4	CORE	Identify information flow within the intelligence cycle (Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED))
E4	CORE	Identify limitations of tools, techniques, and analytics
E4	CORE	Implement United States Signals Intelligence Directives (USSID)
E7	CORE	Incorporate Commander's Critical Information Requirements (CCIR) to include priority intelligence requirements (PIR) into collection management activities
E5	NON-CORE	Integrate remote systems
E7	CORE	Integrate Signals Intelligence (SIGINT) resources
E6	NON-CORE	Maintain targeting cycles
E6	NON-CORE	Manage accesses on a Mission Correlation Table (MCT)
E5	NON-CORE	Manage Command and Control (C2) equipment (e.g. Secure Data Network (SDN), etc.)
E7	CORE	Manage Critical (CRITIC) message programs
E7	CORE	Manage Cryptologic Authority to Operate (ATO)
E7	CORE	Manage cryptologic material condition readiness
E7	CORE	Manage remote access capabilities
E7	CORE	Manage Signals Intelligence (SIGINT) and mission requirement resources
E7	NON-CORE	Manage Signals Intelligence (SIGINT) equipment resource allocation with Joint Forces and Intelligence Community (IC) partners
E5	NON-CORE	Perform database auditing
E5	NON-CORE	Perform predictive assessment of adversary action
E5	NON-CORE	Predict equipment performance characteristics based on atmospheric data
E7	CORE	Prioritize Intelligence Requirements (IR)
E5	NON-CORE	Provide coordination, validation, and management assistance of intelligence collection requirements, plans, and/or activities

### INTELLIGENCE PLANNING AND DIRECTION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Provide coordination, validation, and management assistance of Signals Intelligence (SIGINT) collection requirements, plans, and/or activities
E4	NON-CORE	Provide input to Concept of Operations (CONOPS)
E7	NON-CORE	Recommend Electronic Warfare (EW)/Signals Intelligence (SIGINT) mission objectives
E7	NON-CORE	Request Electronic Warfare (EW)/Signals Intelligence (SIGINT) supporting assets
E7	CORE	Submit cryptologic capabilities requirements for implementation and mission sustainment
E6	NON-CORE	Submit priority recommendations to support Commander's Critical Information Requirements (CCIR)
E7	CORE	Validate Collection Management Authority (CMA) requirements
E7	NON-CORE	Validate Collection Management Authority (CMA) requirements in support of Intelligence, Surveillance and Reconnaissance (ISR) Concept of Operations (CONOPS)
E7	NON-CORE	Validate higher authority directives
E5	CORE	Verify mission taskings

### INTELLIGENCE PROCESSING AND EXPLOITATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Analyze digital speech
E4	CORE	Analyze Foreign Instrumentation Signals Intelligence (FISINT)
E4	CORE	Analyze modems
E4	CORE	Analyze multiple access schemes
E4	CORE	Analyze non-communications signals
E4	CORE	Analyze PROFORMA
E4	CORE	Analyze Unmanned Systems (UxS) communications for exploitation
E5	CORE	Analyze Unmanned Systems (UxS) technical communications elements
E4	CORE	Analyze Very High Frequency/Ultra High Frequency/Push To Talk (V/UHF/PTT) communications for exploitation
E4	CORE	Analyze wireless communications for exploitation
E4	NON-CORE	Analyze wireless communications for targeting
E5	CORE	Conduct analysis with Counter-Unmanned Systems (C-UxS)
E5	NON-CORE	Configure software-based analysis tools
E5	NON-CORE	Construct tools for analysis
E4	NON-CORE	Coordinate reach back support
E4	CORE	Correlate case notations
E5	NON-CORE	Detect anomalies through signals analysis
E4	CORE	Determine short duration and non-communications signals
E4	CORE	Identify Foreign Instrumentation Signals Intelligence (FISINT)
E4	CORE	Identify PROFORMA
E6	NON-CORE	Manage database auditing

## INTELLIGENCE PROCESSING AND EXPLOITATION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Perform bulk-data manipulation
E5	NON-CORE	Perform media analysis (e.g., memory, phones, physical devices, etc.)
E4	NON-CORE	Perform protocol analysis
E4	CORE	Perform target exploitation operations
E5	NON-CORE	Perform technical Signals Intelligence (SIGINT) target analysis
E4	CORE	Perform wavelength to frequency conversions
E4	CORE	Process digital network communications
E4	CORE	Process Signals of Interest (SOI)
E5	NON-CORE	Validate target network capabilities and vulnerabilities

## NETWORK EXPLOITATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze digital network communications
E5	NON-CORE	Analyze network device configurations
E5	NON-CORE	Analyze network security architecture components
E5	NON-CORE	Analyze network traffic to identify anomalous activity and potential threats
E5	NON-CORE	Analyze network vulnerabilities
E4	NON-CORE	Analyze Operating System (OS) characteristics
E4	NON-CORE	Analyze software and hardware
E5	NON-CORE	Analyze standard and non-standard protocols
E5	NON-CORE	Analyze target digital technologies and network systems
E4	NON-CORE	Analyze target implementation of digital network technologies and systems
E6	NON-CORE	Analyze unknown protocols
E5	NON-CORE	Assess physical characteristics of the target environment
E6	NON-CORE	Collaborate with stakeholders in support of cyber operations and tools
E5	NON-CORE	Conduct mid-point analysis
E5	NON-CORE	Conduct proximal access network operations
E5	NON-CORE	Detect network vulnerabilities
E5	NON-CORE	Determine basic structure and architecture of networks
E5	NON-CORE	Determine Operating System (OS) characteristics
E5	NON-CORE	Determine software and hardware vulnerabilities
E5	NON-CORE	Evaluate information networks defensive posture of target networks
E5	NON-CORE	Identify access vectors for networks of interest
E5	NON-CORE	Perform file system analysis
E5	NON-CORE	Perform website characterizations

## TRAINING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Conduct cryptologic certifications

### TRAINING (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Conduct training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E5	CORE	Configure systems for training and testing evolutions
E5	NON-CORE	Construct target environments for training, testing, and assessing
E7	CORE	Coordinate pre-deployment training requirements
E7	CORE	Coordinate systems testing evolutions
E7	CORE	Coordinate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E6	CORE	Develop training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), Outlaw in a Box (OiaB), Signals Intelligence (SIGINT) Processing, Analysis, and Reporting Course (SPARC), etc.)
E6	CORE	Evaluate training evolutions (e.g., Combat Systems Training Team (CSTT), Command Readiness Training Team (CRTT), Culmination Exercise (CULEX), etc.)
E7	NON-CORE	Interpret test and evaluation range results
E5	CORE	Maintain awareness of advancements in hardware and software technologies and their potential vulnerabilities
E5	NON-CORE	Perform operational certifications
E5	NON-CORE	Support wargaming