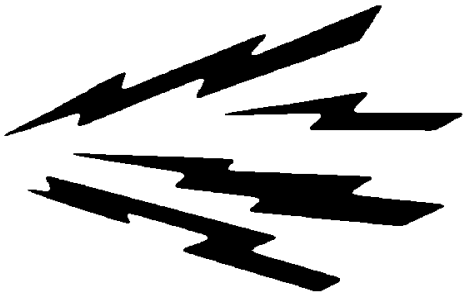
CHAPTER 67



INFORMATION SYSTEMS TECHNICIAN
(IT)

NAVPERS 18068F-67I
Change 94

Updated: April 2023

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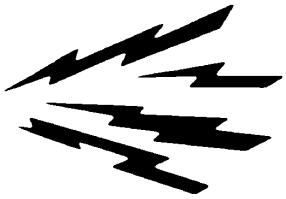
NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

INFORMATION SYSTEMS TECHNICIAN (IT)



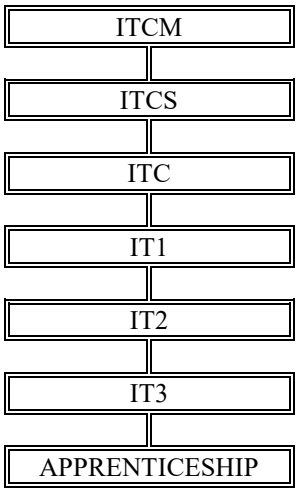
SCOPE OF RATING

Information Systems Technicians (IT) perform the following core and specialty functions: Information Systems (IS) Administration (i.e., build, configure, deploy, operate, maintain networks and information systems and perform tiered customer service support); Cybersecurity (i.e., plan, manage, secure, implement security controls to protect and defend networks to include IS across platforms, fleets, and services); Communications Operations (i.e., establish, monitor, and maintain Radio Frequency (RF) communications systems, perform spectrum management to support Joint, Fleet, and tactical communications and handle, store, transmit, and retrieve Naval messages); Communications Security (COMSEC) (i.e., secure, handle, account for, report, and control COMSEC materials, systems, and equipment).

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 67.

GENERAL INFORMATION

CAREER PATTERN



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

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

SAFETY

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

Job Title

Technical Support Specialist

Job Code

002776

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	IT TECH SPECIALIST	IT TECH SPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IT	NEC HXXX and 7XXX series and other NECs as assigned

Job Description

Technical Support Specialists provide end users tiered-level customer support by coordinating software, hardware, and networks; install, configure, troubleshoot, and provide maintenance and training.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
ADP Computers, General	115000	Computer User Support Specialists	15-1232.00	Computer and Mathematical

Skills	Abilities
Operation and Control	*Deductive Reasoning*
Systems Analysis	*Information Ordering*
Management of Material Resources	*Problem Sensitivity*
Critical Thinking	*Written Comprehension*
Complex Problem Solving	*Inductive Reasoning*
Technology Design	*Visualization*
Troubleshooting	*Written Expression*
Repairing	*Selective Attention*
Systems Evaluation	*Speed of Closure*
Quality Control Analysis	*Oral Comprehension*

COMMUNICATIONS SECURITY

Paygrade	Task Type	Task Statements
E5	CORE	Conduct Emergency Action Plans (EAP)
E4	CORE	Destroy Communication Security (COMSEC) material
E4	CORE	Handle Communications Security (COMSEC) material
E4	CORE	Identify Communications Security (COMSEC) discrepancies
E5	NON-CORE	Initialize Key Management Infrastructure (KMI) devices
E4	CORE	Inspect security containers
E4	CORE	Inventory Communications Security (COMSEC) materials
E4	CORE	Load Communications Security (COMSEC) equipment
E4	CORE	Maintain Crypto Ignition Keys (CIK)
E4	CORE	Maintain cryptographic equipment
E4	CORE	Maintain physical security of Sensitive Compartmented Information (SCI) of Information Systems (IS)
E4	CORE	Perform Emergency Action Plans (EAP)
E5	CORE	Prepare local element Communication Security (COMSEC) reports
E4	CORE	Process Communications Security (COMSEC) changes
E4	CORE	Receive Communications Security (COMSEC) material
E4	CORE	Set up cryptographic equipment
E4	CORE	Set up cryptographic networks
E5	CORE	Transfer custody of Communications Security (COMSEC) material
E4	CORE	Validate Communications Security (COMSEC) material
E4	CORE	Verify cryptographic equipment settings

COMMUNICATIONS SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct communications checks
E4	CORE	Conduct Over-The-Air-Rekey (OTAR)
E4	CORE	Conduct Over-The-Air-Transmission (OTAT)
E4	CORE	Configure portable communications systems
E4	CORE	Configure Radio Frequency (RF) systems (e.g., Super High Frequency (SHF), Ultra High Frequency (UHF), Very High Frequency (VHF), Extremely High Frequency (EHF), High Frequency (HF), etc.)
E5	CORE	Configure router and switching devices
E4	CORE	Configure switching equipment (e.g., Automated Single Audio System (ASAS), Automated Network Control Center (ANCC), Tactical Variant Switch (TVS), etc.)
E5	CORE	Coordinate restoral with off-site technicians
E6	CORE	Develop Combat System Training Team (CSTT) scenarios
E4	CORE	Disconnect data links
E5	CORE	Document communication reports (e.g., master station log, Communications Spot Report (COMSPOT), Command, Control, Communications, Computers, and Intelligence (C4I), etc.)
E4	CORE	Ensure proper system operation of Radio Frequency (RF) systems (e.g., Super High Frequency (SHF), Ultra High Frequency (UHF), Very High Frequency (VHF), Extremely High Frequency (EHF), High frequency (HF), etc.)
E4	CORE	Inspect terminal processors (e.g., Naval Modular Automated Communications System (NAVMACS), Navy Order Wire (NOW), etc.)
E4	NON-CORE	Integrate portable communications systems
E4	CORE	Load image software
E4	CORE	Load magnetic tape
E4	CORE	Maintain communication publications
E4	CORE	Maintain magnetic tape drives
E4	CORE	Maintain portable communications systems
E4	CORE	Monitor routing and switching devices
E4	CORE	Perform End of Mission Sanitizations (EOMS)
E4	NON-CORE	Perform Information Systems (IS) backups
E4	CORE	Report high priority voice communications
E4	CORE	Restore computer Information Systems (IS)
E5	CORE	Restore loss of Facilities Control (FACCON)
E4	CORE	Set Emission Control (EMCON) conditions
E4	CORE	Set Hazards of Electromagnetic Radiation (i.e., Hazards of Electromagnetic Radiation to Ordnance (HERO)/Hazards of Electromagnetic Radiation to Personnel (HERP)) conditions
E4	CORE	Troubleshoot data links
E4	CORE	Troubleshoot portable communications systems
E4	CORE	Troubleshoot Radio Frequency (RF) systems (e.g., Super High Frequency (SHF), Ultra High Frequency (UHF), Very High Frequency (VHF), Extremely High Frequency (EHF), High Frequency (HF), etc.)

DEPARTMENT OF DEFENSE NETWORK (DODIN) CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Determine patterns of non-compliance (e.g., risk levels, Information Assurance (IA) program effectiveness, etc.)
E4	CORE	Identify Information Systems Security (ISS) violations and vulnerabilities
E4	CORE	Identify security issues (e.g., protection, aggregation, inter-connectivity, etc.)
E5	NON-CORE	Implement Information Assurance Vulnerability Alerts (IAVA)
E5	NON-CORE	Implement Information Assurance Vulnerability Bulletins (IAVB)
E5	CORE	Implement security actions
E5	NON-CORE	Isolate malicious code
E5	CORE	Maintain Information Systems (IS) logs
E4	CORE	Provide technical support to resolve cyber incidents
E7	CORE	Report Information Systems Security (ISS) incidents
E4	CORE	Update computer Information System (IS) antivirus definitions
E6	NON-CORE	Validate migration/installation computer software

MESSAGE SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure message processing systems
E4	CORE	Download Naval messages via automated systems
E4	CORE	Draft Communications Spot Reports (COMSPOT)
E5	CORE	Establish services with communications center
E4	NON-CORE	Install certificates (e.g., security, system, etc.)
E4	CORE	Maintain communications archives
E4	CORE	Maintain general message files
E4	CORE	Maintain local media and technical libraries
E5	CORE	Manage messaging systems
E4	CORE	Monitor message queues
E4	CORE	Monitor message systems
E5	CORE	Perform communications shifts
E4	CORE	Perform minimize condition procedures
E4	CORE	Process messages (e.g., special handling, American Red Cross (AMCROSS), Situation Reports (SITREP), etc.)
E5	CORE	Respond to Communications Spot Reports (COMSPOT)
E4	CORE	Sanitize communication centers
E4	CORE	Update communication logs
E5	CORE	Validate Naval message formatting
E7	NON-CORE	Validate unit and command certificates

NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Administer Information System (IS) accounts
E4	CORE	Back up Information Systems (IS)
E4	CORE	Configure computer application software
E5	CORE	Configure logs

NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Configure network hardware
E5	NON-CORE	Configure network services
E4	CORE	Configure peripherals
E4	CORE	Configure workstation network connectivity
E4	CORE	Configure workstation Operating System (OS) software
E5	CORE	Develop Information System (IS) Standard Operating Procedures (SOP)
E5	CORE	Document Information System (IS) errors
E4	CORE	Document network outages
E5	CORE	Document off-site technical support actions
E5	CORE	Document server outages
E6	CORE	Implement remediation plans for identified vulnerabilities
E4	CORE	Isolate infected systems
E6	CORE	Maintain network documentation
E4	CORE	Maintain network printers
E5	NON-CORE	Manage collaboration software (e.g., Secure Video Teleconference (SVTC), Video Teleconference (VTC), TEAMS, Global Video Services (GVS), etc.)
E4	CORE	Manage file and folder access
E5	NON-CORE	Manage Information System (IS) queues
E5	NON-CORE	Manage network monitoring software
E4	CORE	Monitor network equipment status
E4	CORE	Patch Information Systems (IS)
E4	CORE	Perform disk administration
E4	CORE	Perform file system maintenance
E4	CORE	Perform File Transfer Protocol (FTP) functions
E4	CORE	Perform start up/shut down procedures
E5	CORE	Prepare network status reports
E4	CORE	Scan for viruses
E4	CORE	Test computer Information Systems (IS)
E4	CORE	Troubleshoot client Operating Systems (OS)
E4	CORE	Troubleshoot file and folder access problems
E4	CORE	Troubleshoot network hardware
E4	CORE	Troubleshoot peripherals
E5	CORE	Troubleshoot storage devices
E4	CORE	Troubleshoot workstation application software
E4	CORE	Troubleshoot workstation network connectivity
E5	CORE	Verify network system operations

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct computer software migration
E5	NON-CORE	Direct Information Systems (IS) Testing and Evaluation (T&E)
E7	CORE	Implement Information Systems (IS) equipment and media disposition requirements (e.g., destruction, disposal, transfer, etc.)
E5	CORE	Manage network system databases
E5	CORE	Restore from backups (e.g., server, switches, routers, databases, etc.)
E4	CORE	Troubleshoot network cabling
E5	NON-CORE	Troubleshoot Wide Area Networks (WAN)
E4	CORE	Verify backups

NETWORK SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer network system databases
E4	CORE	Configure workstation core components
E5	CORE	Coordinate backups
E4	CORE	Identify Information Systems (IS) anomalies
E7	CORE	Implement network operating procedures
E4	CORE	Inspect Information Systems (IS) (e.g., network components, system hardware, etc.)
E4	CORE	Install Information Systems (IS) hardware components
E4	CORE	Inventory Information System (IS) assets
E7	CORE	Maintain Information Systems (IS) (e.g., Program of Record (POR), authorized, etc.)
E4	CORE	Maintain network system databases
E5	CORE	Perform data transfers
E4	CORE	Process customer trouble calls
E5	NON-CORE	Troubleshoot networks end-to-end
E4	CORE	Troubleshoot virtual environments

Job Title

System Administrator

Job Code

002777

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	SYSTEM ADMINISTRATOR	SYS ADMIN

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IT	NEC HXXX and 7XXX series and other NECs as assigned

Job Description

System Administrators manage and secure commercial network Operating Systems (OS) within the functional areas of configuration, systems, and performance management; manage and maintain internal site networks, to include MS Exchange and Windows; conduct tier level network software and hardware corrective actions; demonstrate knowledge of and apply general security concepts; identify potential risks, monitor activity, and secure network environments; and enforce security policies and procedures.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
ADP Computers, General	115000	Network and Computer Systems Administrators	15-1244.00	Computer and Mathematical

Skills	Abilities
Operation and Control	*Deductive Reasoning*
Critical Thinking	*Information Ordering*
Management of Material Resources	*Problem Sensitivity*
Systems Analysis	*Inductive Reasoning*
Technology Design	*Visualization*
Complex Problem Solving	*Written Comprehension*
Troubleshooting	*Written Expression*
Coordination	*Selective Attention*
Writing	*Control Precision*
Quality Control Analysis	*Oral Expression*

COMMUNICATIONS SECURITY

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer client platform securities
E5	NON-CORE	Administer Key Management Infrastructure (KMI) user accounts
E5	NON-CORE	Administer token securities
E5	NON-CORE	Back up Key Management Infrastructure (KMI) accounts
E5	CORE	Conduct Emergency Action Plans (EAP)
E4	CORE	Destroy Communication Security (COMSEC) material
E6	CORE	Develop Emergency Action Plans (EAP)
E4	CORE	Handle Communications Security (COMSEC) material
E4	CORE	Identify Communications Security (COMSEC) discrepancies
E6	CORE	Implement Communications Security (COMSEC) changes
E4	CORE	Inspect security containers
E4	CORE	Inventory Communications Security (COMSEC) materials
E4	CORE	Load Communications Security (COMSEC) equipment
E4	CORE	Maintain Crypto Ignition Keys (CIK)
E4	CORE	Maintain cryptographic equipment
E4	CORE	Maintain physical security of Sensitive Compartmented Information (SCI) of Information Systems (IS)
E4	CORE	Perform Emergency Action Plans (EAP)
E5	CORE	Prepare local element Communication Security (COMSEC) reports
E4	CORE	Receive Communications Security (COMSEC) material

COMMUNICATIONS SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Set up cryptographic equipment
E4	CORE	Set up cryptographic networks
E5	CORE	Transfer custody of Communications Security (COMSEC) material
E4	CORE	Validate Communications Security (COMSEC) material
E4	CORE	Verify cryptographic equipment settings

COMMUNICATIONS SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct technical surveillance operations
E5	NON-CORE	Configure non-standard High Bandwidth Data Communications System (HBDCS)
E5	CORE	Configure router and switching devices
E6	CORE	Coordinate communication restoral priorities
E5	CORE	Coordinate restoral with off-site technicians
E5	NON-CORE	Coordinate tactical Communications on the Move (COTM)
E5	NON-CORE	Deploy Mobile Ad-hoc Networks (MANET)
E5	NON-CORE	Deploy tactical non-standard communications
E5	NON-CORE	Determine system configuration requirements
E6	CORE	Develop Combat System Training Team (CSTT) scenarios
E5	CORE	Document communication reports (e.g., master station log, Communications Spot Report (COMSPOT), Command, Control, Communications, Computers, and Intelligence (C4I), etc.)
E6	CORE	Forecast service demands (e.g., Satellite Access Request, Global Broadcast Access Request, Site Survey, Spectrum, etc.)
E4	NON-CORE	Initialize magnetic tapes drives
E5	NON-CORE	Install Tactical Command and Control (C2) systems (e.g., airborne, vehicle, etc.)
E5	NON-CORE	Integrate Intelligence, Surveillance, and Reconnaissance (ISR) services (e.g., Global Broadcasting Systems (GBS), Communications Data Link System (CDLS), etc.)
E5	CORE	Investigate loss of Facilities Control (FACCON)
E4	CORE	Load image software
E4	CORE	Load magnetic tape
E4	CORE	Maintain magnetic tape drives
E4	CORE	Monitor routing and switching devices
E4	NON-CORE	Operate tactical portable communication systems (e.g., manpack, green gear, etc.)
E4	CORE	Perform End of Mission Sanitizations (EOMS)
E4	NON-CORE	Perform Information Systems (IS) backups
E6	CORE	Perform Internet Protocol (IP) shift
E6	CORE	Plan communication system outages
E5	NON-CORE	Provide Radio over Internet Protocol (RoIP) connectivity
E4	CORE	Restore computer Information Systems (IS)
E5	CORE	Restore loss of Facilities Control (FACCON)
E4	CORE	Set Emission Control (EMCON) conditions
E5	CORE	Troubleshoot router and switching devices
E6	NON-CORE	Verify currency of communications guidance

DEPARTMENT OF DEFENSE NETWORK (DODIN) CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E6	NON-CORE	Assess the impact of implementing and sustaining a dedicated cyber defense infrastructure
E6	CORE	Complete network security assessment checklists
E5	NON-CORE	Configure network firewalls
E7	CORE	Determine patterns of non-compliance (e.g., risk levels, Information Assurance (IA) program effectiveness, etc.)
E6	NON-CORE	Determine potential conflicts with implementation of any cyber defense tools (e.g., tools and signature, testing and optimization, etc.)
E7	CORE	Develop bandwidth management instructions
E7	NON-CORE	Develop critical infrastructure protection policies and procedures
E7	CORE	Draft Continuity of Operations Program (COOP)
E7	NON-CORE	Enforce procedures, guidelines and cybersecurity policies
E7	CORE	Forecast service demands
E4	CORE	Identify Information Systems Security (ISS) violations and vulnerabilities
E7	NON-CORE	Identify Information Technology (IT) security program implications of new technologies or technology upgrades
E4	CORE	Identify security issues (e.g., protection, aggregation, inter-connectivity, etc.)
E5	NON-CORE	Implement Information Assurance Vulnerability Alerts (IAVA)
E5	NON-CORE	Implement Information Assurance Vulnerability Bulletins (IAVB)
E6	NON-CORE	Implement Information Systems Security (ISS) policies
E6	CORE	Implement network security applications
E5	NON-CORE	Implement policies and procedures to ensure protection of critical infrastructure
E5	CORE	Implement security actions
E5	NON-CORE	Install dedicated cyber defense systems
E5	NON-CORE	Isolate malicious code
E5	CORE	Maintain Information Systems (IS) logs
E5	CORE	Perform cybersecurity assessments
E4	CORE	Provide technical support to resolve cyber incidents
E7	CORE	Recommend Information Security (INFOSEC) requirements
E7	CORE	Report Information Systems Security (ISS) incidents
E7	CORE	Review Information Systems Security (ISS) requirements
E6	NON-CORE	Track audit findings for mitigation actions
E4	CORE	Update computer Information System (IS) antivirus definitions
E6	NON-CORE	Validate migration/installation computer software
E6	NON-CORE	Validate network security improvement actions

MESSAGE SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Configure message processing systems
E4	CORE	Download Naval messages via automated systems
E5	CORE	Establish services with communications center
E5	CORE	Implement non-repudiation controls
E4	NON-CORE	Install certificates (e.g., security, system, etc.)

MESSAGE SYSTEM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Maintain local media and technical libraries
E5	CORE	Manage messaging systems
E4	CORE	Monitor message queues
E4	CORE	Monitor message systems
E5	CORE	Respond to Communications Spot Reports (COMSPOT)
E4	CORE	Sanitize communication centers
E7	NON-CORE	Validate unit and command certificates

NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Administer Information System (IS) accounts
E4	CORE	Back up Information Systems (IS)
E4	CORE	Configure computer application software
E5	CORE	Configure logs
E4	NON-CORE	Configure network hardware
E5	NON-CORE	Configure network services
E4	CORE	Configure peripherals
E5	NON-CORE	Configure router Access Control Lists (ACL)
E5	NON-CORE	Configure server Operating System (OS) software
E5	NON-CORE	Configure virus scanners
E4	CORE	Configure workstation network connectivity
E4	CORE	Configure workstation Operating System (OS) software
E5	NON-CORE	Construct networks
E5	CORE	Develop Information System (IS) Standard Operating Procedures (SOP)
E5	CORE	Document Information System (IS) errors
E4	CORE	Document network outages
E5	CORE	Document off-site technical support actions
E5	CORE	Document server outages
E6	CORE	Implement remediation plans for identified vulnerabilities
E4	NON-CORE	Implement River City conditions on Information Systems (IS)
E5	NON-CORE	Initialize network servers
E4	CORE	Isolate infected systems
E5	CORE	Maintain Information System (IS) servers
E6	CORE	Maintain network documentation
E4	CORE	Maintain network printers
E7	CORE	Manage audit data
E5	NON-CORE	Manage collaboration software (e.g., Secure Video Teleconference (SVTC), Video Teleconference (VTC), TEAMS, Global Video Services (GVS), etc.)
E4	CORE	Manage file and folder access
E5	NON-CORE	Manage Information System (IS) queues
E5	CORE	Manage Information System (IS) servers
E5	NON-CORE	Manage network monitoring software

NETWORK ADMINISTRATION (COND'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Manage network system configurations
E6	NON-CORE	Manage network system updates
E4	CORE	Monitor network equipment status
E4	CORE	Patch Information Systems (IS)
E4	CORE	Perform disk administration
E4	CORE	Perform file system maintenance
E4	CORE	Perform File Transfer Protocol (FTP) functions
E4	CORE	Perform start up/shut down procedures
E5	NON-CORE	Perform trend analysis (e.g., hardware, software, or network, etc.)
E7	NON-CORE	Plan network restorations
E5	CORE	Prepare network status reports
E4	CORE	Scan for viruses
E4	CORE	Test computer Information Systems (IS)
E4	CORE	Troubleshoot client Operating Systems (OS)
E4	CORE	Troubleshoot file and folder access problems
E4	CORE	Troubleshoot network hardware
E4	CORE	Troubleshoot peripherals
E5	NON-CORE	Troubleshoot server Operating Systems (OS)
E5	CORE	Troubleshoot storage devices
E4	CORE	Troubleshoot workstation application software
E4	CORE	Troubleshoot workstation network connectivity
E5	NON-CORE	Update network policies
E5	CORE	Verify network system operations

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct computer software migration
E5	NON-CORE	Configure domain system policies
E7	NON-CORE	Determine network migration and installation potential problems
E7	NON-CORE	Determine network migrations and installation time requirements
E7	CORE	Develop disaster recovery contingency plans
E7	CORE	Develop network plans and policies
E7	CORE	Develop remediation plans for identified vulnerabilities
E5	NON-CORE	Direct Information Systems (IS) Research and Development (R&D)
E5	NON-CORE	Direct Information Systems (IS) Testing and Evaluation (T&E)
E6	NON-CORE	Draft network topologies
E7	NON-CORE	Estimate network migration, installation or repair costs
E5	NON-CORE	Implement domain policies
E7	CORE	Implement Information Systems (IS) equipment and media disposition requirements (e.g., destruction, disposal, transfer, etc.)
E5	NON-CORE	Implement network policies
E5	NON-CORE	Maintain Local Area Network (LAN) architecture

NETWORK MANAGEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Maintain network topologies
E5	CORE	Maintain system certificates
E6	NON-CORE	Manage cloud services
E7	NON-CORE	Manage Local Area Network (LAN) architecture
E5	CORE	Manage network system databases
E6	NON-CORE	Manage network topologies
E7	NON-CORE	Manage networking solutions
E6	NON-CORE	Manage software containers (containerization)
E7	NON-CORE	Manage system life cycle plans
E6	CORE	Manage virtual environments
E7	NON-CORE	Plan network upgrades
E7	NON-CORE	Provide Information Systems (IS) incident details to external organizations (e.g., law enforcement personnel, etc.)
E5	CORE	Restore from backups (e.g., server, switches, routers, databases, etc.)
E6	NON-CORE	Supervise Local Area Network (LAN) architecture
E4	CORE	Troubleshoot network cabling
E5	NON-CORE	Troubleshoot Wide Area Networks (WAN)
E7	CORE	Validate baseline security safeguard installation
E7	NON-CORE	Validate network topologies
E4	CORE	Verify backups

NETWORK SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer network system databases
E5	CORE	Configure virtual environments
E4	CORE	Configure workstation core components
E5	CORE	Coordinate backups
E5	NON-CORE	Develop web pages
E4	CORE	Identify Information Systems (IS) anomalies
E7	CORE	Implement network operating procedures
E4	CORE	Inspect Information Systems (IS) (e.g., network components, system hardware, etc.)
E4	CORE	Install Information Systems (IS) hardware components
E5	NON-CORE	Integrate embarkable Information Systems (IS) (e.g., squadron, Immediate Superior in Command (ISIC), Staff, lettered Agencies, Marines, etc.)
E4	CORE	Inventory Information System (IS) assets
E5	NON-CORE	Maintain cross-domain solutions
E7	CORE	Maintain Information Systems (IS) (e.g., Program of Record (POR), authorized, etc.)
E4	CORE	Maintain network system databases
E5	CORE	Maintain software application scripts
E5	NON-CORE	Maintain websites
E5	CORE	Perform data transfers
E4	CORE	Process customer trouble calls

NETWORK SYSTEM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Troubleshoot networks end-to-end
E4	CORE	Troubleshoot virtual environments
E6	NON-CORE	Write software application scripts

Job Title **Job Code**

Systems Security Analyst 002778

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	SYSTEMS SECURITY ANLST	SYS SEC ANAL

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IT	NEC HXXX and 7XXX series and other NECs as assigned

Job Description

Systems Security Analysts identify vulnerabilities and perform corrective actions to ensure system confidentiality, integrity, and availability; administer and operate installed Computer Network Defense (CND) systems and applications in accordance with current doctrine; use approved software and Operating System (OS) specific tools to perform virus protection and detection, system backups, data recovery, and auditing functions; install security software and document all security issues or breaches; and develop, implement, and assess solutions, with regard to protocol and proxy service vulnerabilities, guarding against hostile attempts of compromise or inadvertent disclosure of sensitive material.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
ADP Computers, General	115000	Computer User Support Specialist	15-1212.00	Computer and Mathematical

Skills	Abilities
Operation and Control	*Deductive Reasoning*
Critical Thinking	*Information Ordering*
Systems Analysis	*Problem Sensitivity*
Technology Design	*Inductive Reasoning*
Complex Problem Solving	*Visualization*
Management of Material Resources	*Written Expression*
Writing	*Written Comprehension*
Systems Evaluation	*Flexibility of Closure*
Time Management	*Oral Expression*
Quality Control Analysis	*Oral Comprehension*

COMMUNICATIONS SECURITY

Paygrade	Task Type	Task Statements
E5	CORE	Conduct Emergency Action Plans (EAP)
E4	CORE	Destroy Communication Security (COMSEC) material
E6	NON-CORE	Develop system security certification and accreditation documents
E4	CORE	Handle Communications Security (COMSEC) material
E4	CORE	Identify Communications Security (COMSEC) discrepancies
E4	CORE	Inspect security containers
E4	CORE	Maintain physical security of Sensitive Compartmented Information (SCI) of Information Systems (IS)
E4	CORE	Perform Emergency Action Plans (EAP)

COMMUNICATIONS SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Coordinate restoral with off-site technicians
E6	CORE	Develop Combat System Training Team (CSTT) scenarios

DEPARTMENT OF DEFENSE NETWORK (DODIN) CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E6	NON-CORE	Analyze Information Systems (IS) security posture trends
E5	NON-CORE	Analyze malicious activity
E5	NON-CORE	Analyze metadata in network traffic
E6	CORE	Complete network security assessment checklists
E5	NON-CORE	Configure dedicated cyber defense systems

DEPARTMENT OF DEFENSE NETWORK (DODIN) CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Configure network firewalls
E7	CORE	Determine patterns of non-compliance (e.g., risk levels, Information Assurance (IA) program effectiveness, etc.)
E5	CORE	Disseminate technical documents, incident reports, findings from computer examinations, summaries, and other situational awareness information to higher headquarters
E7	NON-CORE	Enforce procedures, guidelines and cybersecurity policies
E7	NON-CORE	Evaluate Information Systems Security (ISS) incidents for operational impact
E7	CORE	Evaluate security improvement actions for effectiveness
E5	NON-CORE	Identify applications and Operating Systems (OS) of a network device based on network traffic
E4	CORE	Identify Information Systems Security (ISS) violations and vulnerabilities
E4	CORE	Identify security issues (e.g., protection, aggregation, inter-connectivity, etc.)
E6	NON-CORE	Implement alternative Information Security (INFOSEC) strategies
E5	NON-CORE	Implement Information Assurance Vulnerability Alerts (IAVA)
E5	NON-CORE	Implement Information Assurance Vulnerability Bulletins (IAVB)
E6	NON-CORE	Implement Information Systems Security (ISS) policies
E6	CORE	Implement network security applications
E5	NON-CORE	Implement policies and procedures to ensure protection of critical infrastructure
E5	CORE	Implement security actions
E5	NON-CORE	Isolate malicious code
E5	CORE	Maintain Information Systems (IS) logs
E5	CORE	Perform cybersecurity assessments
E5	NON-CORE	Perform network mapping to identify vulnerabilities
E5	NON-CORE	Perform Operating System (OS) fingerprinting to identify vulnerabilities
E4	CORE	Provide technical support to resolve cyber incidents
E7	CORE	Report Information Systems Security (ISS) incidents
E7	CORE	Report organizational security posture trends
E7	CORE	Review Information Systems Security (ISS) requirements
E5	NON-CORE	Test dedicated cyber defense systems
E6	NON-CORE	Track audit findings for mitigation actions
E4	CORE	Update computer Information System (IS) antivirus definitions
E5	NON-CORE	Validate Intrusion Detection System (IDS) alerts
E6	NON-CORE	Validate network security improvement actions

MESSAGE SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Install certificates (e.g., security, system, etc.)
E4	CORE	Maintain local media and technical libraries
E4	CORE	Sanitize communication centers

NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	NON-CORE	Administer Information System (IS) accounts
E4	CORE	Back up Information Systems (IS)
E4	CORE	Configure computer application software
E5	CORE	Configure logs
E4	NON-CORE	Configure network hardware
E5	NON-CORE	Configure network services
E5	NON-CORE	Configure router Access Control Lists (ACL)
E5	NON-CORE	Configure server Operating System (OS) software
E5	NON-CORE	Configure virus scanners
E5	CORE	Develop Information System (IS) Standard Operating Procedures (SOP)
E5	CORE	Document Information System (IS) errors
E4	CORE	Document network outages
E5	CORE	Document off-site technical support actions
E5	CORE	Document server outages
E6	CORE	Implement remediation plans for identified vulnerabilities
E5	NON-CORE	Initialize network servers
E4	CORE	Isolate infected systems
E5	CORE	Maintain Information System (IS) servers
E6	CORE	Maintain network documentation
E7	CORE	Manage audit data
E5	CORE	Manage Information System (IS) servers
E5	NON-CORE	Manage network monitoring software
E6	NON-CORE	Manage network system updates
E4	CORE	Monitor network equipment status
E4	CORE	Patch Information Systems (IS)
E4	CORE	Perform File Transfer Protocol (FTP) functions
E4	CORE	Perform start up/shut down procedures
E7	NON-CORE	Plan network restorations
E5	CORE	Prepare network status reports
E4	CORE	Scan for viruses
E4	CORE	Test computer Information Systems (IS)
E4	CORE	Troubleshoot client Operating Systems (OS)

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E7	CORE	Develop remediation plans for identified vulnerabilities
E5	CORE	Maintain system certificates
E6	CORE	Manage virtual environments
E7	NON-CORE	Provide Information Systems (IS) incident details to external organizations (e.g., law enforcement personnel, etc.)
E5	NON-CORE	Report Information Systems (IS) security posture trends
E5	NON-CORE	Troubleshoot Wide Area Networks (WAN)

NETWORK MANAGEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Validate baseline security safeguard installation
E7	NON-CORE	Validate network topologies

NETWORK SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer network system databases
E5	CORE	Configure virtual environments
E4	CORE	Identify Information Systems (IS) anomalies
E4	CORE	Install Information Systems (IS) hardware components
E4	CORE	Inventory Information System (IS) assets
E5	NON-CORE	Maintain cross-domain solutions
E7	CORE	Maintain Information Systems (IS) (e.g., Program of Record (POR), authorized, etc.)
E5	CORE	Maintain software application scripts
E5	CORE	Perform data transfers
E4	CORE	Process customer trouble calls

Job Title **Job Code**

Information Systems Security Manager 002779

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	INFO SYSTEMS SECURITY MANAGER	ISSM

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IT	NEC HXXX and 7XXX series and other NECs as assigned

Job Description
Information Systems Security Managers verify that appropriate security tests are conducted and documented, ensuring accreditation support documentation is developed and maintained; ensure that each information system meets security specifications to an acceptable level of risk.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
ADP Computers, General	115000	Computer User Support Specialist	15-1244.00	Computer and Mathematical

Skills	Abilities
Critical Thinking	*Information Ordering*
Operation and Control	*Deductive Reasoning*
Management of Material Resources	*Problem Sensitivity*
Writing	*Inductive Reasoning*
Complex Problem Solving	*Written Expression*
Systems Analysis	*Visualization*
Time Management	*Written Comprehension*
Judgment and Decision Making	*Oral Expression*
Technology Design	*Flexibility of Closure*
Coordination	*Speed of Closure*

COMMUNICATIONS SECURITY

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer token securities
E5	CORE	Conduct Emergency Action Plans (EAP)
E4	CORE	Destroy Communication Security (COMSEC) material
E6	CORE	Develop Emergency Action Plans (EAP)
E6	NON-CORE	Develop Information Systems Security (ISS) plans
E6	NON-CORE	Develop network security instructions
E6	NON-CORE	Develop system security certification and accreditation documents
E4	CORE	Inspect security containers
E4	CORE	Maintain physical security of Sensitive Compartmented Information (SCI) of Information Systems (IS)
E4	CORE	Perform Emergency Action Plans (EAP)

COMMUNICATIONS SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze Risk Management Framework (RMF) artifacts
E5	CORE	Coordinate restoral with off-site technicians
E5	NON-CORE	Determine system configuration requirements
E6	CORE	Develop Combat System Training Team (CSTT) scenarios
E7	CORE	Verify system certifications

DEPARTMENT OF DEFENSE NETWORK (DODIN) CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Advise leadership of changes affecting the organization's cybersecurity posture
E6	NON-CORE	Analyze Information Systems (IS) security posture trends
E5	NON-CORE	Analyze organizational security posture trends
E6	NON-CORE	Assess the impact of implementing and sustaining a dedicated cyber defense infrastructure
E6	CORE	Complete network security assessment checklists
E7	NON-CORE	Coordinate the protection of critical cyber defense infrastructure and key resources
E7	CORE	Determine patterns of non-compliance (e.g., risk levels, Information Assurance (IA) program effectiveness, etc.)
E6	NON-CORE	Determine potential conflicts with implementation of any cyber defense tools (e.g., tools and signature, testing and optimization, etc.)
E7	NON-CORE	Develop critical infrastructure protection policies and procedures
E7	NON-CORE	Develop domain policies
E7	NON-CORE	Develop Information Systems Security (ISS) policies
E5	NON-CORE	Disseminate cyber defense techniques and guidance (e.g., Time Compliance Network Orders (TCNO), Concept of Operations (CONOPS), net analyst reports, etc.) for the organization
E5	NON-CORE	Disseminate cyber event information
E5	CORE	Disseminate technical documents, incident reports, findings from computer examinations, summaries, and other situational awareness information to higher headquarters
E7	CORE	Draft Continuity of Operations Program (COOP)
E7	NON-CORE	Enforce procedures, guidelines and cybersecurity policies
E7	NON-CORE	Evaluate Information Systems Security (ISS) incidents for operational impact
E7	CORE	Evaluate security improvement actions for effectiveness
E7	CORE	Forecast service demands
E6	NON-CORE	Identify critical cyber defense infrastructure and key resources to meet mission requirements
E4	CORE	Identify Information Systems Security (ISS) violations and vulnerabilities
E7	NON-CORE	Identify Information Technology (IT) security program implications of new technologies or technology upgrades
E4	CORE	Identify security issues (e.g., protection, aggregation, inter-connectivity, etc.)
E6	NON-CORE	Implement alternative Information Security (INFOSEC) strategies
E6	NON-CORE	Implement Information Systems Security (ISS) policies
E6	CORE	Implement network security applications
E5	NON-CORE	Implement policies and procedures to ensure protection of critical infrastructure
E5	CORE	Implement security actions
E7	CORE	Maintain Information Systems Security (ISS) certification and accreditation documentation
E7	CORE	Manage cybersecurity workforce programs
E7	CORE	Manage electronic spillage process
E7	CORE	Manage Information Security (INFOSEC) incident reporting processes
E7	CORE	Manage Information Security (INFOSEC) training and awareness programs
E7	CORE	Manage Information Systems Security (ISS) programs

DEPARTMENT OF DEFENSE NETWORK (DODIN) CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E7	CORE	Manage Information Technology (IT) resources and security personnel
E7	CORE	Manage Information Technology (IT) security priorities
E7	CORE	Manage intranet/Department of Defense Information Network (DODIN) security policies
E5	CORE	Perform cybersecurity assessments
E4	CORE	Provide technical support to resolve cyber incidents
E7	CORE	Recommend Information Security (INFOSEC) requirements
E7	CORE	Report Information Systems Security (ISS) incidents
E7	CORE	Report organizational security posture trends
E7	CORE	Review Information Systems Security (ISS) requirements
E7	CORE	Review security risk assumptions
E6	NON-CORE	Track audit findings for mitigation actions
E5	NON-CORE	Validate Intrusion Detection System (IDS) alerts
E6	NON-CORE	Validate migration/installation computer software
E6	NON-CORE	Validate network security improvement actions
E7	NON-CORE	Verify acquisitions, procurements, and outsourcing efforts of information security requirements

MESSAGE SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Maintain local media and technical libraries
E4	CORE	Sanitize communication centers

NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	CORE	Develop Information System (IS) Standard Operating Procedures (SOP)
E5	CORE	Document Information System (IS) errors
E4	CORE	Document network outages
E5	CORE	Document off-site technical support actions
E6	CORE	Implement remediation plans for identified vulnerabilities
E6	CORE	Maintain network documentation
E7	CORE	Manage audit data
E5	CORE	Manage Information System (IS) servers
E5	NON-CORE	Manage network monitoring software
E6	NON-CORE	Manage network system configurations
E6	NON-CORE	Manage network system updates
E7	NON-CORE	Plan network restorations
E5	CORE	Prepare network status reports
E5	NON-CORE	Update network policies

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E7	NON-CORE	Advise senior management (i.e., Chief Information Officer (CIO) on cost/benefit analysis of information security programs, policies, processes, systems, and elements)
E5	NON-CORE	Conduct computer software migration
E7	CORE	Coordinate cybersecurity inspections, tests, and reviews
E7	NON-CORE	Determine network migration and installation potential problems
E7	NON-CORE	Determine network migrations and installation time requirements
E7	CORE	Develop disaster recovery contingency plans
E7	CORE	Develop network plans and policies
E7	CORE	Develop remediation plans for identified vulnerabilities
E6	NON-CORE	Draft network topologies
E7	NON-CORE	Estimate network migration, installation or repair costs
E7	NON-CORE	Evaluate cost-benefit, economic, and risk analysis for Information Systems (IS) in decision-making process
E7	CORE	Implement Information Systems (IS) equipment and media disposition requirements (e.g., destruction, disposal, transfer, etc.)
E7	NON-CORE	Maintain Information Technology (IT) security requirements in all phases of the system life cycle
E5	NON-CORE	Maintain Local Area Network (LAN) architecture
E5	NON-CORE	Maintain network topologies
E7	CORE	Maintain Risk Management Framework (RMF)/Security Assessment and Authorization (SA&A) requirements for dedicated cyber defense systems
E5	CORE	Maintain system certificates
E7	NON-CORE	Manage Local Area Network (LAN) architecture
E6	NON-CORE	Manage network topologies
E7	NON-CORE	Manage networking solutions
E7	NON-CORE	Manage system life cycle plans
E7	NON-CORE	Oversee information security budget, staffing, and contracting
E7	NON-CORE	Provide Information Systems (IS) incident details to external organizations (e.g., law enforcement personnel, etc.)
E5	NON-CORE	Report Information Systems (IS) security posture trends
E6	NON-CORE	Supervise Local Area Network (LAN) architecture
E7	CORE	Validate baseline security safeguard installation
E7	NON-CORE	Validate network topologies

NETWORK SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Identify Information Systems (IS) anomalies
E7	CORE	Implement network operating procedures
E4	CORE	Inspect Information Systems (IS) (e.g., network components, system hardware, etc.)
E4	CORE	Inventory Information System (IS) assets
E5	NON-CORE	Maintain cross-domain solutions
E5	CORE	Perform data transfers

Job Title **Job Code**

Communication Security Manager 002780

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Management	TBD	COMMUNICATION SECURITY MANAGER	COMSEC MANAGER

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IT	NEC HXXX and 7XXX series and other NECs as assigned

Job Description

Communications Security Managers serve as the Commanding Officer's primary advisor on all Communications Security (COMSEC) related matters; acquire, monitor, and maintain an organization's COMSEC allowance; ensure proper storage and adequate physical security for all COMSEC material held within an account; operate and maintain the Management Client/Advanced Key Processor (MGC/AKP) to manage material, and support local key generation, encryption, decryption, and destruction.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
ADP Computers, General	115000	Computer User Support Specialist	11-3021.00	Management

Skills	Abilities
Operation and Control	*Information Ordering*
Critical Thinking	*Deductive Reasoning*
Management of Material Resources	*Inductive Reasoning*
Systems Analysis	*Problem Sensitivity*
Technology Design	*Written Expression*
Complex Problem Solving	*Written Comprehension*
Coordination	*Visualization*
Equipment Maintenance	*Control Precision*
Writing	*Speed of Closure*
Systems Evaluation	*Category Flexibility*

COMMUNICATIONS SECURITY

Paygrade	Task Type	Task Statements
E6	NON-CORE	Administer access to symmetric Crypto Net Key Management Infrastructure (KMI)
E5	NON-CORE	Administer client platform securities
E6	NON-CORE	Administer client platforms Key Management Infrastructure (KMI)
E5	NON-CORE	Administer deployed cryptologic tactical systems Key Management Infrastructure (KMI)
E6	NON-CORE	Administer High Assurance Platform (HAP) securities
E6	NON-CORE	Administer High Assurance Platforms (HAP)
E6	NON-CORE	Administer Key Management Infrastructure (KMI) Key Operating Accounts (KOA)
E5	NON-CORE	Administer Key Management Infrastructure (KMI) user accounts
E5	NON-CORE	Administer token securities
E6	NON-CORE	Assign product requestors
E6	NON-CORE	Audit Key Management Infrastructure (KMI) management data
E5	NON-CORE	Back up Key Management Infrastructure (KMI) accounts
E6	CORE	Brief communications security roles, responsibilities, obligations, and liabilities
E5	CORE	Conduct Emergency Action Plans (EAP)
E6	NON-CORE	Deregister Key Management Infrastructure (KMI) devices
E4	CORE	Destroy Communication Security (COMSEC) material
E6	NON-CORE	Destroy Key Management Infrastructure (KMI) storefront products
E6	CORE	Develop Emergency Action Plans (EAP)
E6	NON-CORE	Develop local Communications Security (COMSEC) handling instructions
E6	NON-CORE	Endorse Key Management Infrastructure (KMI) devices

COMMUNICATIONS SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Establish Key Management Infrastructure (KMI) new product requirements
E6	NON-CORE	Generate Key Management Infrastructure (KMI) cryptologic product requests
E5	NON-CORE	Generate local keys
E4	CORE	Handle Communications Security (COMSEC) material
E4	CORE	Identify Communications Security (COMSEC) discrepancies
E6	CORE	Implement Communications Security (COMSEC) changes
E6	CORE	Implement Emergency Action Plans (EAP)
E6	NON-CORE	Initialize access to asymmetric cryptologic network
E5	NON-CORE	Initialize Key Management Infrastructure (KMI) devices
E4	CORE	Inspect security containers
E4	CORE	Inventory Communications Security (COMSEC) materials
E5	NON-CORE	Issue Communication Security (COMSEC) material
E5	NON-CORE	Issue Key Management Infrastructure (KMI) materials
E4	CORE	Load Communications Security (COMSEC) equipment
E4	CORE	Maintain Crypto Ignition Keys (CIK)
E4	CORE	Maintain cryptographic equipment
E5	NON-CORE	Maintain Key Management Infrastructure (KMI) databases
E4	CORE	Maintain physical security of Sensitive Compartmented Information (SCI) of Information Systems (IS)
E6	CORE	Manage Communications Security (COMSEC) training programs
E6	NON-CORE	Manage Key Management Infrastructure (KMI) Device Distribution Profiles (DDP)
E5	NON-CORE	Manage Key Management Infrastructure (KMI) network connectivity
E6	NON-CORE	Manage Key Management Infrastructure (KMI) production
E5	NON-CORE	Manage Key Management Infrastructure (KMI) system configuration
E5	NON-CORE	Manage Key Management Infrastructure (KMI) system reports
E5	NON-CORE	Manage Key Management Infrastructure (KMI) tokens
E6	CORE	Monitor Communications Security (COMSEC) platform security
E6	NON-CORE	Order Communications Security (COMSEC) products
E4	CORE	Perform Emergency Action Plans (EAP)
E5	NON-CORE	Perform personalization of type 1 tokens
E5	CORE	Prepare local element Communication Security (COMSEC) reports
E4	CORE	Process Communications Security (COMSEC) changes
E4	CORE	Receive Communications Security (COMSEC) material
E5	NON-CORE	Register Key Management Infrastructure (KMI) Key Operating Account (KOA) agents
E5	NON-CORE	Register Key Management Infrastructure (KMI) users
E5	NON-CORE	Register local Key Management Infrastructure (KMI) elements
E5	CORE	Report Communications Security (COMSEC) compliance
E5	NON-CORE	Review Key Management Infrastructure (KMI) databases
E4	CORE	Set up cryptographic equipment
E4	CORE	Set up cryptographic networks

COMMUNICATIONS SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Transfer custody of Communications Security (COMSEC) material
E6	NON-CORE	Troubleshoot Key Management Infrastructure (KMI) suite
E5	NON-CORE	Update Device Distribution Profiles (DDP)
E4	CORE	Validate Communications Security (COMSEC) material
E4	CORE	Verify cryptographic equipment settings

COMMUNICATIONS SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Conduct Over-The-Air-Rekey (OTAR)
E4	CORE	Conduct Over-The-Air-Transmission (OTAT)
E5	CORE	Coordinate restoral with off-site technicians
E6	CORE	Develop Combat System Training Team (CSTT) scenarios
E6	CORE	Forecast service demands (e.g., Satellite Access Request, Global Broadcast Access Request, Site Survey, Spectrum, etc.)
E5	NON-CORE	Integrate Intelligence, Surveillance, and Reconnaissance (ISR) services (e.g., Global Broadcasting Systems (GBS), Communications Data Link System (CDLS), etc.)
E4	CORE	Load magnetic tape
E4	CORE	Maintain communication publications
E4	CORE	Maintain magnetic tape drives
E4	CORE	Perform End of Mission Sanitizations (EOMS)
E4	NON-CORE	Perform Information Systems (IS) backups
E4	CORE	Restore computer Information Systems (IS)
E5	CORE	Restore loss of Facilities Control (FACCON)
E6	CORE	Verify communications security policies

DEPARTMENT OF DEFENSE NETWORK (DODIN) CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Identify security issues (e.g., protection, aggregation, inter-connectivity, etc.)
E5	CORE	Implement security actions
E4	CORE	Update computer Information System (IS) antivirus definitions

MESSAGE SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Maintain local media and technical libraries
E4	CORE	Sanitize communication centers

NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Back up Information Systems (IS)
E5	NON-CORE	Configure network services
E4	CORE	Configure peripherals
E4	CORE	Configure workstation Operating System (OS) software
E5	CORE	Develop Information System (IS) Standard Operating Procedures (SOP)
E5	CORE	Document Information System (IS) errors
E4	CORE	Document network outages

NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Document off-site technical support actions
E6	CORE	Implement remediation plans for identified vulnerabilities
E6	CORE	Maintain network documentation
E7	CORE	Manage audit data
E6	NON-CORE	Manage network system configurations
E6	NON-CORE	Manage network system updates
E4	CORE	Perform disk administration
E4	CORE	Perform file system maintenance
E4	CORE	Perform start up/shut down procedures
E4	CORE	Troubleshoot client Operating Systems (OS)
E4	CORE	Troubleshoot workstation application software
E5	NON-CORE	Update network policies
E5	CORE	Verify network system operations

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct computer software migration
E7	NON-CORE	Determine network migration and installation potential problems
E7	NON-CORE	Determine network migrations and installation time requirements
E7	CORE	Develop disaster recovery contingency plans
E7	NON-CORE	Estimate network migration, installation or repair costs
E7	CORE	Implement Information Systems (IS) equipment and media disposition requirements (e.g., destruction, disposal, transfer, etc.)
E5	CORE	Maintain system certificates
E5	CORE	Restore from backups (e.g., server, switches, routers, databases, etc.)
E4	CORE	Verify backups

NETWORK SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer network system databases
E5	CORE	Coordinate backups
E4	CORE	Identify Information Systems (IS) anomalies
E4	CORE	Install Information Systems (IS) hardware components
E4	CORE	Inventory Information System (IS) assets
E4	CORE	Maintain network system databases
E5	CORE	Perform data transfers
E5	NON-CORE	Troubleshoot networks end-to-end

Job Title **Job Code**

Cyber Defense Infrastructure Support Specialist 002781

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	CYBER DEF INFRA SUP SPEC	CD INF SUPSPEC

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IT	NEC HXXX and 7XXX series and other NECs as assigned

Job Description

Cyber Defense Infrastructure Support Specialists configure hardware and applications to interface with defended networks and Information Systems (IS) in support of Defensive Cyberspace Operations (DCO) on the Department of Defense Information Network (DODIN); assist mission owners in the identification of critical cyber infrastructure; assess the configuration posture of a defended network or information system and identify areas of vulnerability or inadequate security for mitigation and improvement; review and evaluate system and network logs, configuration files, administrative policies, technical controls and security practices to measure effectiveness and ensure compliance with Department of Defense (DoD) policies and regulations; maintain configuration management of the Deployable Mission Support System (DMSS) and virtual training environments to support Cyber Protection Team (CPT) operations; and provide risk mitigation recommendations to network/system owners and assists local defenders in implementing mitigations for cyber vulnerabilities.

DoD Relationship

Group Title	*DoD Code*
ADP Computers, General	115000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Computer User Support Specialist	15-1211.00	Computer and Mathematical

Skills	Abilities
Operation and Control	*Deductive Reasoning*
Systems Analysis	*Information Ordering*
Management of Material Resources	*Problem Sensitivity*
Critical Thinking	*Inductive Reasoning*
Technology Design	*Visualization*
Complex Problem Solving	*Written Comprehension*
Troubleshooting	*Written Expression*
Quality Control Analysis	*Selective Attention*
Repairing	*Speed of Closure*
Systems Evaluation	*Oral Comprehension*

COMMUNICATIONS SECURITY

Paygrade	Task Type	Task Statements
E5	CORE	Conduct Emergency Action Plans (EAP)
E4	CORE	Inspect security containers
E4	CORE	Maintain physical security of Sensitive Compartmented Information (SCI) of Information Systems (IS)
E4	CORE	Perform Emergency Action Plans (EAP)

COMMUNICATIONS SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Configure router and switching devices
E4	CORE	Load image software
E4	CORE	Monitor routing and switching devices
E4	CORE	Perform End of Mission Sanitizations (EOMS)
E4	NON-CORE	Perform Information Systems (IS) backups
E4	CORE	Restore computer Information Systems (IS)
E5	CORE	Restore loss of Facilities Control (FACCON)
E5	CORE	Troubleshoot router and switching devices

DEPARTMENT OF DEFENSE NETWORK (DODIN) CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze organizational security posture trends
E5	NON-CORE	Build dedicated cyber defense systems
E6	CORE	Complete network security assessment checklists
E5	NON-CORE	Configure dedicated cyber defense systems
E5	NON-CORE	Configure network firewalls
E7	CORE	Determine patterns of non-compliance (e.g., risk levels, Information Assurance (IA) program effectiveness, etc.)
E6	NON-CORE	Determine potential conflicts with implementation of any cyber defense tools (e.g., tools and signature, testing and optimization, etc.)
E5	NON-CORE	Disseminate cyber event information
E5	CORE	Disseminate technical documents, incident reports, findings from computer examinations, summaries, and other situational awareness information to higher headquarters
E7	NON-CORE	Enforce procedures, guidelines and cybersecurity policies
E6	NON-CORE	Identify critical cyber defense infrastructure and key resources to meet mission requirements
E4	CORE	Identify Information Systems Security (ISS) violations and vulnerabilities
E7	NON-CORE	Identify Information Technology (IT) security program implications of new technologies or technology upgrades
E4	CORE	Identify security issues (e.g., protection, aggregation, inter-connectivity, etc.)
E5	NON-CORE	Implement Information Assurance Vulnerability Alerts (IAVA)
E5	NON-CORE	Implement Information Assurance Vulnerability Bulletins (IAVB)
E6	NON-CORE	Implement Information Systems Security (ISS) policies
E6	CORE	Implement network security applications
E5	NON-CORE	Implement policies and procedures to ensure protection of critical infrastructure
E5	CORE	Implement security actions
E5	NON-CORE	Install dedicated cyber defense systems
E5	NON-CORE	Maintain deployable cyber defense audit toolkit (e.g., specialized cyber defense software and hardware, etc.)
E5	CORE	Maintain Information Systems (IS) logs
E4	CORE	Provide technical support to resolve cyber incidents
E7	CORE	Recommend Information Security (INFOSEC) requirements
E7	CORE	Report Information Systems Security (ISS) incidents
E7	CORE	Review Information Systems Security (ISS) requirements
E5	NON-CORE	Test dedicated cyber defense systems
E6	NON-CORE	Track audit findings for mitigation actions
E4	CORE	Update computer Information System (IS) antivirus definitions
E6	NON-CORE	Validate migration/installation computer software
E6	NON-CORE	Validate network security improvement actions

MESSAGE SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Install certificates (e.g., security, system, etc.)
E4	CORE	Maintain local media and technical libraries

MESSAGE SYSTEM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Manage messaging systems
E4	CORE	Sanitize communication centers
E7	NON-CORE	Validate unit and command certificates

NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Back up Information Systems (IS)
E4	CORE	Configure computer application software
E5	CORE	Configure logs
E4	NON-CORE	Configure network hardware
E5	NON-CORE	Configure network services
E4	CORE	Configure peripherals
E5	NON-CORE	Configure router Access Control Lists (ACL)
E5	NON-CORE	Configure server Operating System (OS) software
E5	NON-CORE	Configure virus scanners
E4	CORE	Configure workstation network connectivity
E4	CORE	Configure workstation Operating System (OS) software
E5	NON-CORE	Construct networks
E5	CORE	Develop Information System (IS) Standard Operating Procedures (SOP)
E5	CORE	Document Information System (IS) errors
E4	CORE	Document network outages
E5	CORE	Document off-site technical support actions
E5	CORE	Document server outages
E6	CORE	Implement remediation plans for identified vulnerabilities
E5	NON-CORE	Initialize network servers
E4	CORE	Isolate infected systems
E5	CORE	Maintain Information System (IS) servers
E6	CORE	Maintain network documentation
E4	CORE	Maintain network printers
E7	CORE	Manage audit data
E4	CORE	Manage file and folder access
E5	NON-CORE	Manage Information System (IS) queues
E5	CORE	Manage Information System (IS) servers
E5	NON-CORE	Manage network monitoring software
E6	NON-CORE	Manage network system configurations
E6	NON-CORE	Manage network system updates
E4	CORE	Monitor network equipment status
E4	CORE	Patch Information Systems (IS)
E4	CORE	Perform disk administration
E4	CORE	Perform file system maintenance
E4	CORE	Perform File Transfer Protocol (FTP) functions

NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Perform start up/shut down procedures
E5	NON-CORE	Perform trend analysis (e.g., hardware, software, or network, etc.)
E7	NON-CORE	Plan network restorations
E5	CORE	Prepare network status reports
E4	CORE	Scan for viruses
E4	CORE	Test computer Information Systems (IS)
E4	CORE	Troubleshoot client Operating Systems (OS)
E4	CORE	Troubleshoot file and folder access problems
E4	CORE	Troubleshoot network hardware
E4	CORE	Troubleshoot peripherals
E5	NON-CORE	Troubleshoot server Operating Systems (OS)
E5	CORE	Troubleshoot storage devices
E4	CORE	Troubleshoot workstation application software
E5	NON-CORE	Update network policies
E5	CORE	Verify network system operations

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct computer software migration
E5	NON-CORE	Configure domain system policies
E7	NON-CORE	Determine network migration and installation potential problems
E7	NON-CORE	Determine network migrations and installation time requirements
E7	CORE	Develop disaster recovery contingency plans
E7	CORE	Develop remediation plans for identified vulnerabilities
E6	NON-CORE	Draft network topologies
E7	NON-CORE	Estimate network migration, installation or repair costs
E5	NON-CORE	Implement domain policies
E7	CORE	Implement Information Systems (IS) equipment and media disposition requirements (e.g., destruction, disposal, transfer, etc.)
E5	NON-CORE	Implement network policies
E5	NON-CORE	Maintain Local Area Network (LAN) architecture
E5	NON-CORE	Maintain network topologies
E5	CORE	Maintain system certificates
E7	NON-CORE	Manage Local Area Network (LAN) architecture
E5	CORE	Manage network system databases
E6	NON-CORE	Manage network topologies
E7	NON-CORE	Manage networking solutions
E6	NON-CORE	Manage software containers (containerization)
E7	NON-CORE	Manage system life cycle plans
E6	CORE	Manage virtual environments
E7	NON-CORE	Plan network upgrades

NETWORK MANAGEMENT (CONT'D)

Paygrade	Task Type	Task Statements
E7	NON-CORE	Provide Information Systems (IS) incident details to external organizations (e.g., law enforcement personnel, etc.)
E5	CORE	Restore from backups (e.g., server, switches, routers, databases, etc.)
E6	NON-CORE	Supervise Local Area Network (LAN) architecture
E4	CORE	Troubleshoot network cabling
E5	NON-CORE	Troubleshoot Wide Area Networks (WAN)
E7	CORE	Validate baseline security safeguard installation
E7	NON-CORE	Validate network topologies
E4	CORE	Verify backups

NETWORK SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Administer network system databases
E5	CORE	Configure virtual environments
E4	CORE	Identify Information Systems (IS) anomalies
E7	CORE	Implement network operating procedures
E4	CORE	Inspect Information Systems (IS) (e.g., network components, system hardware, etc.)
E4	CORE	Install Information Systems (IS) hardware components
E4	CORE	Inventory Information System (IS) assets
E7	CORE	Maintain Information Systems (IS) (e.g., Program of Record (POR), authorized, etc.)
E4	CORE	Maintain network system databases
E5	CORE	Maintain software application scripts
E5	CORE	Perform data transfers
E4	CORE	Process customer trouble calls
E5	NON-CORE	Troubleshoot networks end-to-end
E4	CORE	Troubleshoot virtual environments
E6	NON-CORE	Write software application scripts

Job Title **Job Code**

Cyber Defense Incident Responder 002782

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	CYBER DEF INCIDENT RESPONDER	CD INCNT RSPND

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IT	NEC HXXX and 7XXX series and other NECs as assigned

Job Description

Cyber Defense Incident Responders utilize incident reporting procedures to investigate, analyze, and respond to disruptions within the pertinent domain to mitigate immediate and potential threats; use mitigation, preparedness, and response and recovery approaches to maximize survival of life, preservation of property, and information security.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
ADP Computers, General	115000	Computer User Support Specialist	15-1231.00	Computer and Mathematical

Skills	Abilities
Operation and Control	*Information Ordering*
Systems Analysis	*Deductive Reasoning*
Critical Thinking	*Problem Sensitivity*
Complex Problem Solving	*Inductive Reasoning*
Technology Design	*Written Expression*
Writing	*Visualization*
Management of Material Resources	*Written Comprehension*
Time Management	*Flexibility of Closure*
Coordination	*Oral Expression*
Systems Evaluation	*Speed of Closure*

COMMUNICATIONS SECURITY

Paygrade	Task Type	Task Statements
E5	CORE	Conduct Emergency Action Plans (EAP)
E4	CORE	Inspect security containers
E4	CORE	Maintain physical security of Sensitive Compartmented Information (SCI) of Information Systems (IS)
E4	CORE	Perform Emergency Action Plans (EAP)

COMMUNICATIONS SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Configure router and switching devices
E4	CORE	Load image software
E4	CORE	Monitor routing and switching devices
E5	CORE	Restore loss of Facilities Control (FACCON)
E5	CORE	Troubleshoot router and switching devices

DEPARTMENT OF DEFENSE NETWORK (DODIN) CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Advise leadership of changes affecting the organization's cybersecurity posture
E6	NON-CORE	Analyze Information Systems (IS) security posture trends
E5	NON-CORE	Analyze malicious activity
E5	NON-CORE	Analyze metadata in network traffic
E5	NON-CORE	Configure network firewalls
E7	NON-CORE	Coordinate the protection of critical cyber defense infrastructure and key resources
E7	CORE	Determine patterns of non-compliance (e.g., risk levels, Information Assurance (IA) program effectiveness, etc.)

DEPARTMENT OF DEFENSE NETWORK (DODIN) CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Determine potential conflicts with implementation of any cyber defense tools (e.g., tools and signature, testing and optimization, etc.)
E5	NON-CORE	Disseminate cyber defense techniques and guidance (e.g., Time Compliance Network Orders (TCNO), Concept of Operations (CONOPS), net analyst reports, etc.) for the organization
E5	NON-CORE	Disseminate cyber event information
E5	CORE	Disseminate technical documents, incident reports, findings from computer examinations, summaries, and other situational awareness information to higher headquarters
E7	NON-CORE	Enforce procedures, guidelines and cybersecurity policies
E7	NON-CORE	Evaluate Information Systems Security (ISS) incidents for operational impact
E7	CORE	Evaluate security improvement actions for effectiveness
E5	NON-CORE	Identify applications and Operating Systems (OS) of a network device based on network traffic
E6	NON-CORE	Identify critical cyber defense infrastructure and key resources to meet mission requirements
E4	CORE	Identify Information Systems Security (ISS) violations and vulnerabilities
E4	CORE	Identify security issues (e.g., protection, aggregation, inter-connectivity, etc.)
E5	NON-CORE	Implement Information Assurance Vulnerability Alerts (IAVA)
E5	NON-CORE	Implement Information Assurance Vulnerability Bulletins (IAVB)
E6	NON-CORE	Implement Information Systems Security (ISS) policies
E6	CORE	Implement network security applications
E5	NON-CORE	Implement policies and procedures to ensure protection of critical infrastructure
E5	CORE	Implement security actions
E5	NON-CORE	Isolate malicious code
E5	CORE	Maintain Information Systems (IS) logs
E4	CORE	Provide technical support to resolve cyber incidents
E7	CORE	Recommend Information Security (INFOSEC) requirements
E7	CORE	Report Information Systems Security (ISS) incidents
E7	CORE	Review Information Systems Security (ISS) requirements
E5	NON-CORE	Test dedicated cyber defense systems
E6	NON-CORE	Track audit findings for mitigation actions
E4	CORE	Update computer Information System (IS) antivirus definitions
E5	NON-CORE	Validate Intrusion Detection System (IDS) alerts

MESSAGE SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Maintain local media and technical libraries
E4	CORE	Sanitize communication centers
E7	NON-CORE	Validate unit and command certificates

NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Back up Information Systems (IS)
E4	CORE	Configure computer application software

NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Configure logs
E4	NON-CORE	Configure network hardware
E5	NON-CORE	Configure network services
E4	CORE	Configure peripherals
E5	NON-CORE	Configure router Access Control Lists (ACL)
E5	NON-CORE	Configure server Operating System (OS) software
E5	NON-CORE	Configure virus scanners
E4	CORE	Configure workstation network connectivity
E4	CORE	Configure workstation Operating System (OS) software
E5	CORE	Develop Information System (IS) Standard Operating Procedures (SOP)
E5	CORE	Document Information System (IS) errors
E4	CORE	Document network outages
E5	CORE	Document off-site technical support actions
E5	CORE	Document server outages
E6	CORE	Implement remediation plans for identified vulnerabilities
E4	CORE	Isolate infected systems
E6	CORE	Maintain network documentation
E7	CORE	Manage audit data
E4	CORE	Scan for viruses

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E7	CORE	Develop disaster recovery contingency plans
E7	CORE	Develop remediation plans for identified vulnerabilities
E6	NON-CORE	Draft network topologies
E5	NON-CORE	Maintain network topologies
E6	NON-CORE	Manage network topologies
E7	NON-CORE	Provide Information Systems (IS) incident details to external organizations (e.g., law enforcement personnel, etc.)
E5	NON-CORE	Report Information Systems (IS) security posture trends
E5	CORE	Restore from backups (e.g., server, switches, routers, databases, etc.)
E5	NON-CORE	Troubleshoot Wide Area Networks (WAN)
E7	NON-CORE	Validate network topologies
E4	CORE	Verify backups

NETWORK SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Identify Information Systems (IS) anomalies
E4	CORE	Inventory Information System (IS) assets
E5	CORE	Perform data transfers

Job Title **Job Code**

Vulnerability Assessment Analyst 002783

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Computer and Mathematical	TBD	VULN ASSESSMENT ANALYST	VULN ANALYST

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IT	NEC HXXX and 7XXX series and other NECs as assigned

Job Description

Vulnerability Assessment Analysts conduct threat and vulnerability assessments and determine deviations from acceptable configurations or policies. Assesses the level of risk and develops and/or recommends appropriate mitigation countermeasures in operational and non-operational situations.

DoD Relationship		O*NET Relationship		
Group Title	*DoD Code*	*Occupation Title*	*SOC Code*	*Job Family*
ADP Computers, General	115000	Computer User Support Specialist	15-1211.00	Computer and Mathematical

Skills	Abilities
Critical Thinking	*Deductive Reasoning*
Operation and Control	*Information Ordering*
Systems Analysis	*Problem Sensitivity*
Management of Material Resources	*Inductive Reasoning*
Complex Problem Solving	*Written Expression*
Writing	*Written Comprehension*
Technology Design	*Visualization*
Systems Evaluation	*Flexibility of Closure*
Quality Control Analysis	*Oral Expression*
Coordination	*Perceptual Speed*

COMMUNICATIONS SECURITY

Paygrade	Task Type	Task Statements
E5	CORE	Conduct Emergency Action Plans (EAP)
E4	CORE	Destroy Communication Security (COMSEC) material
E6	NON-CORE	Develop Information Systems Security (ISS) plans
E6	NON-CORE	Develop system security certification and accreditation documents
E4	CORE	Inspect security containers
E4	CORE	Maintain physical security of Sensitive Compartmented Information (SCI) of Information Systems (IS)
E4	CORE	Perform Emergency Action Plans (EAP)

COMMUNICATIONS SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E5	NON-CORE	Analyze Risk Management Framework (RMF) artifacts
E5	CORE	Configure router and switching devices
E5	NON-CORE	Make Risk Management (RM) decision recommendation

DEPARTMENT OF DEFENSE NETWORK (DODIN) CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E6	NON-CORE	Analyze Information Systems (IS) security posture trends
E5	NON-CORE	Analyze malicious activity
E5	NON-CORE	Analyze metadata in network traffic
E5	NON-CORE	Analyze organizational security posture trends
E6	NON-CORE	Assess the impact of implementing and sustaining a dedicated cyber defense infrastructure
E6	CORE	Complete network security assessment checklists

DEPARTMENT OF DEFENSE NETWORK (DODIN) CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct authorized penetration testing on Department of Defense (DOD) network assets
E5	NON-CORE	Configure dedicated cyber defense systems
E7	NON-CORE	Coordinate the protection of critical cyber defense infrastructure and key resources
E7	CORE	Determine patterns of non-compliance (e.g., risk levels, Information Assurance (IA) program effectiveness, etc.)
E5	NON-CORE	Disseminate cyber event information
E5	CORE	Disseminate technical documents, incident reports, findings from computer examinations, summaries, and other situational awareness information to higher headquarters
E7	NON-CORE	Evaluate Information Systems Security (ISS) incidents for operational impact
E7	CORE	Evaluate security improvement actions for effectiveness
E5	NON-CORE	Identify applications and Operating Systems (OS) of a network device based on network traffic
E6	NON-CORE	Identify critical cyber defense infrastructure and key resources to meet mission requirements
E4	CORE	Identify Information Systems Security (ISS) violations and vulnerabilities
E4	CORE	Identify security issues (e.g., protection, aggregation, inter-connectivity, etc.)
E6	NON-CORE	Implement alternative Information Security (INFOSEC) strategies
E5	NON-CORE	Implement policies and procedures to ensure protection of critical infrastructure
E5	CORE	Implement security actions
E5	NON-CORE	Isolate malicious code
E5	CORE	Maintain Information Systems (IS) logs
E5	CORE	Perform cybersecurity assessments
E5	NON-CORE	Perform network mapping to identify vulnerabilities
E5	NON-CORE	Perform Operating System (OS) fingerprinting to identify vulnerabilities
E4	CORE	Provide technical support to resolve cyber incidents
E7	CORE	Report Information Systems Security (ISS) incidents
E7	CORE	Report organizational security posture trends
E7	CORE	Review Information Systems Security (ISS) requirements
E5	NON-CORE	Test dedicated cyber defense systems
E6	NON-CORE	Track audit findings for mitigation actions
E5	NON-CORE	Validate Intrusion Detection System (IDS) alerts
E6	NON-CORE	Validate network security improvement actions

MESSAGE SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	NON-CORE	Install certificates (e.g., security, system, etc.)
E4	CORE	Maintain local media and technical libraries
E4	CORE	Sanitize communication centers

NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E5	NON-CORE	Configure virus scanners

NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E5	CORE	Develop Information System (IS) Standard Operating Procedures (SOP)
E5	CORE	Document Information System (IS) errors
E4	CORE	Document network outages
E5	CORE	Document off-site technical support actions
E5	CORE	Document server outages
E6	CORE	Implement remediation plans for identified vulnerabilities
E4	CORE	Isolate infected systems
E5	CORE	Maintain Information System (IS) servers
E6	CORE	Maintain network documentation
E7	CORE	Manage audit data
E5	CORE	Manage Information System (IS) servers
E5	NON-CORE	Manage network monitoring software
E6	NON-CORE	Manage network system configurations
E6	NON-CORE	Manage network system updates
E4	CORE	Monitor network equipment status
E4	CORE	Perform start up/shut down procedures
E5	CORE	Prepare network status reports
E4	CORE	Scan for viruses
E4	CORE	Troubleshoot client Operating Systems (OS)
E5	CORE	Verify network system operations

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E7	CORE	Develop remediation plans for identified vulnerabilities
E5	NON-CORE	Maintain network topologies
E5	CORE	Maintain system certificates
E6	NON-CORE	Manage network topologies
E7	NON-CORE	Provide Information Systems (IS) incident details to external organizations (e.g., law enforcement personnel, etc.)
E5	NON-CORE	Report Information Systems (IS) security posture trends
E5	NON-CORE	Troubleshoot Wide Area Networks (WAN)
E7	CORE	Validate baseline security safeguard installation
E7	NON-CORE	Validate network topologies

NETWORK SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Identify Information Systems (IS) anomalies
E4	CORE	Inventory Information System (IS) assets
E7	CORE	Maintain Information Systems (IS) (e.g., Program of Record (POR), authorized, etc.)
E5	CORE	Maintain software application scripts
E5	CORE	Perform data transfers
E6	NON-CORE	Write software application scripts

Job Title **Job Code**

Radio Frequency Operator 002784

Job Family	NOC	Short Title (30 Characters)	Short Title (14 Characters)
Installation, Maintenance, and Repair	TBD	RADIO FREQUENCY OPERATOR	RF OPERATOR

Pay Plan	Career Field	Other Relationships and Rules
Enlisted	IT	NEC HXXX and 7XXX series and other NECs as assigned

Job Description

Radio Frequency Operators perform messaging, system monitoring, fault isolation, and circuit restoration of communications suites across the frequency spectrum to include communication transmission paths, input/output devices, cryptographic devices, and patch panels; demonstrate in-depth knowledge of signals, multiplexers, modulators/demodulators, and applicable system transmitters, receivers, couplers and antenna subsystems; maintain signal quality through the use of system performance testing; determine signal distortion and identify preventive or corrective action as required; prepare and maintain all circuit, operational and administrative logs; and ensure accountability of publications and associated materials.

DoD Relationship

Group Title	*DoD Code*
ADP Computers, General	115000

O*NET Relationship

Occupation Title	*SOC Code*	*Job Family*
Computer User Support Specialist	49-2022.00	Installation, Maintenance, and Repair

Skills	Abilities
Operation and Control	*Deductive Reasoning*
Critical Thinking	*Information Ordering*
Management of Material Resources	*Problem Sensitivity*
Complex Problem Solving	*Written Comprehension*
Technology Design	*Visualization*
Systems Analysis	*Written Expression*
Writing	*Inductive Reasoning*
Coordination	*Speed of Closure*
Troubleshooting	*Selective Attention*
Equipment Maintenance	*Oral Expression*

COMMUNICATIONS SECURITY

Paygrade	Task Type	Task Statements
E6	CORE	Brief communications security roles, responsibilities, obligations, and liabilities
E5	CORE	Conduct Emergency Action Plans (EAP)
E4	CORE	Destroy Communication Security (COMSEC) material
E6	CORE	Develop Emergency Action Plans (EAP)
E6	NON-CORE	Develop local Communications Security (COMSEC) handling instructions
E5	NON-CORE	Generate local keys
E4	CORE	Handle Communications Security (COMSEC) material
E4	CORE	Identify Communications Security (COMSEC) discrepancies
E6	CORE	Implement Communications Security (COMSEC) changes
E5	NON-CORE	Initialize Key Management Infrastructure (KMI) devices
E4	CORE	Inspect security containers
E4	CORE	Inventory Communications Security (COMSEC) materials
E5	NON-CORE	Issue Communication Security (COMSEC) material
E4	CORE	Load Communications Security (COMSEC) equipment
E4	CORE	Maintain Crypto Ignition Keys (CIK)
E4	CORE	Maintain cryptographic equipment
E4	CORE	Maintain physical security of Sensitive Compartmented Information (SCI) of Information Systems (IS)
E4	CORE	Perform Emergency Action Plans (EAP)
E5	CORE	Prepare local element Communication Security (COMSEC) reports

COMMUNICATIONS SECURITY (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Process Communications Security (COMSEC) changes
E4	CORE	Receive Communications Security (COMSEC) material
E4	CORE	Set up cryptographic equipment
E4	CORE	Set up cryptographic networks
E5	CORE	Transfer custody of Communications Security (COMSEC) material
E4	CORE	Validate Communications Security (COMSEC) material
E4	CORE	Verify cryptographic equipment settings

COMMUNICATIONS SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E6	NON-CORE	Administer spectrum data
E6	NON-CORE	Collect spectrum requirements
E4	CORE	Conduct communications checks
E4	CORE	Conduct Over-The-Air-Rekey (OTAR)
E4	CORE	Conduct Over-The-Air-Transmission (OTAT)
E5	NON-CORE	Conduct technical surveillance operations
E5	NON-CORE	Configure data rate allocations
E5	NON-CORE	Configure non-standard High Bandwidth Data Communications System (HBDCS)
E4	CORE	Configure portable communications systems
E4	CORE	Configure Radio Frequency (RF) systems (e.g., Super High Frequency (SHF), Ultra High Frequency (UHF), Very High Frequency (VHF), Extremely High Frequency (EHF), High Frequency (HF), etc.)
E5	CORE	Configure router and switching devices
E4	CORE	Configure switching equipment (e.g., Automated Single Audio System (ASAS), Automated Network Control Center (ANCC), Tactical Varian Switch (TVS), etc.)
E5	NON-CORE	Configure tactical waveforms (e.g. Low Probability of Exploitation (LPE), High Performance Waveform (HPW))
E4	CORE	Configure test equipment (e.g., Spectrum Analyzer, Oscilloscope, Firebird, etc.)
E4	CORE	Connect data links
E6	NON-CORE	Coordinate all operational spectrum requirements (e.g., Identification Friend or Foe (IFF), LINK, etc.)
E6	CORE	Coordinate communication restoral priorities
E6	NON-CORE	Coordinate electromagnetic interference (EMI) reports
E5	CORE	Coordinate restoral with offsite technicians
E5	NON-CORE	Coordinate tactical Communications on the Move (COTM)
E6	NON-CORE	Deconflict Electromagnetic Interference (EMI)
E5	NON-CORE	Deploy Mobile Ad-hoc Networks (MANET)
E5	NON-CORE	Deploy tactical non-standard communications
E5	NON-CORE	Deploy Tactical Radio Frequency (RF) systems (e.g., field expedient Tactical Communications Satellite (TACSAT), etc.)
E6	NON-CORE	Designate circuit frequency assignments
E6	NON-CORE	Determine Joint restricted frequencies
E5	NON-CORE	Determine system configuration requirements

COMMUNICATIONS SYSTEM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Develop Combat System Training Team (CSTT) scenarios
E7	NON-CORE	Develop communications policies
E7	NON-CORE	Develop communications Primary, Alternate, Contingency and Emergency (PACE) plan
E7	NON-CORE	Develop Joint communications electronics operation instructions
E6	NON-CORE	Develop spectrum management plans
E6	NON-CORE	Develop spectrum requirements data call messages
E6	NON-CORE	Develop spectrum requirements summaries
E4	CORE	Disconnect data links
E6	NON-CORE	Disseminate Joint Restricted Frequency List (JRFL)
E6	NON-CORE	Disseminate spectrum management plans
E5	CORE	Document communication reports (e.g., master station log, Communications Spot Report (COMSPOT), Command, Control, Communications, Computers, and Intelligence (C4I), etc.)
E5	CORE	Draft Communications Plans (COMPLAN)
E6	NON-CORE	Draft Operational Task Communications (OPTASK COMMS)
E4	CORE	Ensure proper system operation of Radio Frequency (RF) systems (e.g., Super High Frequency (SHF), Ultra High Frequency (UHF), Very High Frequency (VHF), Extremely High Frequency (EHF), High frequency (HF), etc.)
E7	CORE	Evaluate Radio Frequency (RF) communications policies
E6	CORE	Forecast service demands (e.g., Satellite Access Request, Global Broadcast Access Request, Site Survey, Spectrum, etc.)
E5	CORE	Identify electromagnetic interference (EMI)
E5	CORE	Implement Communications Plans (COMPLAN)
E4	NON-CORE	Initialize magnetic tapes drives
E4	CORE	Inspect terminal processors (e.g., Naval Modular Automated Communications System (NAVMACS), Navy Order Wire (NOW), etc.)
E4	NON-CORE	Install electronic Communication Plans (COMPLAN)
E5	NON-CORE	Install Tactical Command and Control (C2) systems (e.g., airborne, vehicle, etc.)
E5	NON-CORE	Integrate Intelligence, Surveillance, and Reconnaissance (ISR) services (e.g., Global Broadcasting Systems (GBS), Communications Data Link System (CDLS), etc.)
E4	NON-CORE	Integrate portable communications systems
E5	CORE	Investigate loss of Facilities Control (FACCON)
E4	CORE	Load image software
E4	CORE	Load magnetic tape
E4	CORE	Maintain antenna systems
E4	CORE	Maintain communication publications
E5	CORE	Maintain communications status boards
E4	CORE	Maintain magnetic tape drives
E4	CORE	Maintain portable communications systems
E5	NON-CORE	Maintain Radio Frequency (RF) circuit configuration files
E7	NON-CORE	Manage Satellite Access Request (SAR) process
E4	CORE	Monitor routing and switching devices

COMMUNICATIONS SYSTEM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	NON-CORE	Operate tactical portable communication systems (e.g., manpack, green gear, etc.)
E4	CORE	Perform End of Mission Sanitizations (EOMS)
E4	NON-CORE	Perform Information Systems (IS) backups
E6	CORE	Perform Internet Protocol (IP) shift
E6	CORE	Plan communication system outages
E5	CORE	Prepare Satellite Access Requests (SAR)/Gateway Access Request (GAR)/After Action Reports (AAR)/End of Service Report (ESR)
E5	NON-CORE	Provide Radio over Internet Protocol (RoIP) connectivity
E7	NON-CORE	Report electromagnetic interference (EMI)
E4	CORE	Report high priority voice communications
E6	NON-CORE	Resolve electromagnetic interference (EMI)
E4	CORE	Restore computer Information Systems (IS)
E5	CORE	Restore loss of Facilities Control (FACCON)
E4	CORE	Set Emission Control (EMCON) conditions
E4	CORE	Set Hazards of Electromagnetic Radiation (i.e., Hazards of Electromagnetic Radiation to Ordnance (HERO)/Hazards of Electromagnetic Radiation to Personnel (HERP)) conditions
E5	CORE	Shift message system communication
E6	NON-CORE	Submit all spectrum requests and packages for national or host approval
E4	CORE	Troubleshoot data links
E4	CORE	Troubleshoot portable communications systems
E4	CORE	Troubleshoot Radio Frequency (RF) systems (e.g., Super High Frequency (SHF), Ultra High Frequency (UHF), Very High Frequency (VHF), Extremely High Frequency (EHF), High Frequency (HF), etc.)
E5	CORE	Troubleshoot router and switching devices
E6	NON-CORE	Update spectrum use databases
E6	CORE	Verify communications security policies
E6	NON-CORE	Verify currency of communications guidance
E7	CORE	Verify system certifications

DEPARTMENT OF DEFENSE NETWORK (DODIN) CYBERSPACE OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Develop bandwidth management instructions
E7	CORE	Draft Continuity of Operations Program (COOP)
E7	CORE	Forecast service demands
E4	CORE	Identify security issues (e.g., protection, aggregation, inter-connectivity, etc.)
E5	NON-CORE	Implement Information Assurance Vulnerability Alerts (IAVA)
E5	NON-CORE	Implement Information Assurance Vulnerability Bulletins (IAVB)
E6	NON-CORE	Implement Information Systems Security (ISS) policies
E5	CORE	Implement security actions
E5	CORE	Maintain Information Systems (IS) logs
E7	CORE	Report Information Systems Security (ISS) incidents
E4	CORE	Update computer Information System (IS) antivirus definitions

DEPARTMENT OF DEFENSE NETWORK (DODIN) CYBERSPACE OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E6	NON-CORE	Validate migration/installation computer software
E6	NON-CORE	Validate network security improvement actions

MESSAGE SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E7	CORE	Complete communication certification checklists
E4	CORE	Configure message processing systems
E4	CORE	Download Naval messages via automated systems
E4	CORE	Draft Communications Spot Reports (COMSPOT)
E5	CORE	Establish services with communications center
E5	NON-CORE	Establish unit and command certificates
E4	NON-CORE	Install certificates (e.g., security, system, etc.)
E4	CORE	Maintain communications archives
E4	CORE	Maintain general message files
E4	CORE	Maintain local media and technical libraries
E5	CORE	Manage messaging systems
E4	CORE	Monitor message queues
E4	CORE	Monitor message systems
E5	CORE	Perform communications shifts
E4	CORE	Perform minimize condition procedures
E4	CORE	Prepare message system status reports
E4	CORE	Process messages (e.g., special handling, American Red Cross (AMCROSS), Situation Reports (SITREP), etc.)
E5	CORE	Respond to Communications Spot Reports (COMSPOT)
E4	CORE	Sanitize communication centers
E4	CORE	Update communication logs
E5	CORE	Validate Naval message formatting
E7	NON-CORE	Validate unit and command certificates

NETWORK ADMINISTRATION

Paygrade	Task Type	Task Statements
E4	CORE	Back up Information Systems (IS)
E5	CORE	Configure logs
E5	NON-CORE	Configure router Access Control Lists (ACL)
E5	NON-CORE	Configure server Operating System (OS) software
E5	CORE	Develop Information System (IS) Standard Operating Procedures (SOP)
E5	CORE	Document Information System (IS) errors
E4	CORE	Document network outages
E5	CORE	Document off-site technical support actions
E6	CORE	Implement remediation plans for identified vulnerabilities
E4	NON-CORE	Implement River City conditions on Information Systems (IS)
E5	CORE	Maintain Information System (IS) servers

NETWORK ADMINISTRATION (CONT'D)

Paygrade	Task Type	Task Statements
E6	CORE	Maintain network documentation
E5	NON-CORE	Manage collaboration software (e.g., Secure Video Teleconference (SVTC), Video Teleconference (VTC), TEAMS, Global Video Services (GVS), etc.)
E5	NON-CORE	Manage network monitoring software
E4	CORE	Monitor network equipment status
E4	CORE	Patch Information Systems (IS)
E4	CORE	Perform disk administration
E4	CORE	Perform File Transfer Protocol (FTP) functions
E4	CORE	Perform start up/shut down procedures
E4	CORE	Scan for viruses
E4	CORE	Troubleshoot network hardware
E4	CORE	Troubleshoot workstation application software
E5	CORE	Verify network system operations

NETWORK MANAGEMENT

Paygrade	Task Type	Task Statements
E5	NON-CORE	Conduct computer software migration
E7	CORE	Develop disaster recovery contingency plans
E5	NON-CORE	Direct Information Systems (IS) Research and Development (R&D)
E5	NON-CORE	Direct Information Systems (IS) Testing and Evaluation (T&E)
E7	CORE	Implement Information Systems (IS) equipment and media disposition requirements (e.g., destruction, disposal, transfer, etc.)
E5	NON-CORE	Maintain network topologies
E5	CORE	Maintain system certificates
E6	NON-CORE	Manage network topologies
E5	CORE	Restore from backups (e.g., server, switches, routers, databases, etc.)
E4	CORE	Troubleshoot network cabling
E5	NON-CORE	Troubleshoot Wide Area Networks (WAN)
E7	NON-CORE	Validate network topologies
E4	CORE	Verify backups

NETWORK SYSTEM OPERATIONS

Paygrade	Task Type	Task Statements
E5	CORE	Coordinate backups
E4	CORE	Identify Information Systems (IS) anomalies
E4	CORE	Inspect Information Systems (IS) (e.g., network components, system hardware, etc.)
E4	CORE	Install Information Systems (IS) hardware components
E5	NON-CORE	Integrate embarkable Information Systems (IS) (e.g., squadron, Immediate Superior in Command (ISIC), Staff, lettered Agencies, Marines, etc.)
E4	CORE	Inventory Information System (IS) assets
E5	NON-CORE	Maintain cross-domain solutions
E7	CORE	Maintain Information Systems (IS) (e.g., Program of Record (POR), authorized, etc.)
E5	CORE	Perform data transfers

NETWORK SYSTEM OPERATIONS (CONT'D)

Paygrade	Task Type	Task Statements
E4	CORE	Process customer trouble calls
E5	NON-CORE	Troubleshoot networks end-to-end