

2. Duties and Responsibilities:

2.1. Defends, protects, and secures mission networking environments and devices. Provides networked application resources by designing, configuring, installing, and managing data services, operating system, and server applications. Provides directory services utilizing dynamically-assigned internet protocol (IP) addresses, domain name server (DNS), network storage devices, and electronic messaging resources. Manages secure authentication methods utilizing public key infrastructure (PKI) technologies and procedures. Standardizes user privileges and system settings using automated deployment tools such as Group Policy Management Console (GMPC) and System Management Server (SMS). Manage accounts, network rights, and access to systems and equipment according to standards, business rules, and needs. Implements server and special mission system security fixes, operating system patches, and antivirus software. Develops, tests, and implements local restoral and contingency operations plans. Processes and reviews C4 systems requirement documentation, telecommunication service requests, status of acquisition messages, and telecommunication service orders. Performs strategic and budget planning for networks.

2.2. Performs user accounts management and standardizes systems settings using automated deployment tools. Manages physical, virtual, and cloud-based server/client hardware. Performs system-wide backups and data recovery. Ensures continuing systems operability by providing ongoing optimization and problem solving support.

2.3. Performs system resource management, to include load and capacity planning and balance. Creates, administers, and audits system accounts. Performs system-wide backups and data recovery. Ensures continuing systems operability by providing ongoing optimization and problem solving support. Applies computer security policies to safeguard systems and information. Categorizes, isolates, and resolves system problems. Performs fault recovery by validating, isolating, correcting faults, and verifying service restoral with customers. Processes, documents, and coordinates resolution of trouble calls from lower support echelons. Processes scheduled and authorized outages. Submits outage reports in response to unscheduled outages.

2.4. Utilizes enterprise patching tools to implement security updates and patches to include: Information Assurance Vulnerability Assessments, C4 Notice to Airman, Time Compliance Network Orders, Time Compliance Technical Order, operating system patches, and antivirus software updates. Implements and enforces national, DoD, and Air Force security policies and directives. Performs proactive security functions to deter, detect, isolate, contain, and recover from information system and network security intrusions. Performs system sanitation resulting from classified message incidents and classified file incidents.

2.5. Supports information warfare operations within strictly controlled parameters and provides real-time intrusion detection and firewall protection for all networked resources. Researches latest system threats to develop and test tactics, techniques, and procedures (TTPs) for defensive information operations. Employs TTPs on Air Force and DoD computer networks to defend against hostile information operations. Analyzes risks and/or vulnerabilities and takes corrective action to mitigate or remove them.

2.6. Reviews and implements C4 systems requirements. Performs strategic and budget planning for systems hardware and software. Coordinates and implements system service level agreements and memoranda of understanding with user agencies.

2.7. As part of the Cyberspace Support career field family, manages, supervises, and performs planning and implementation activities. Manages implementation and project installation and ensures architecture, configuration, and integration conformity. Develops, plans, and integrates base communications systems. Serves as advisor at meetings for facility design, military construction programs and minor construction planning. Evaluates base comprehensive plan and civil engineering projects. Monitors status cyber or communications-related base civil engineer work requests. Performs mission review with customers. Controls, manages, and monitors project milestones and funding from inception to completion. Determines adequacy and correctness of project packages and amendments. Monitors project status and completion actions. Manages and maintains system installation records, files, and indexes. Evaluates contracts, wartime, support, contingency and exercise plans to determine impact on manpower, equipment, and systems.

2.8. Conducts defense cyber operations (DCO) and associated support activities to defend DoD and other friendly cyberspace. DCO includes passive and active cyberspace defense operations to preserve the ability to utilize friendly cyberspace capabilities and protect data, networks, net-centric capabilities and other designated systems as well as passive defense measures intended to maintain and operate the DODIN and other networks such as configuration control, patching and firewall operations. Support activities includes but not limited to maintenance of cyber weapons systems, functional mission analysis, mission mapping, tool development, stan-eval, mission planning and data analysis.

2.9. Performs risk management framework security determinations of fixed, deployed, and mobile information systems (IS) and telecommunications resources to monitor, evaluate, and maintains systems, policy, and procedures to protect clients, networks, data/voice systems, and database from unauthorized activity. Identifies potential threats, administers, and manages resolution of Communications Security (COMSEC) incidents.