

UTAH COMMUNICATIONS AUTHORITY JOB DESCRIPTION

Title: Network Specialist/Engineer

Status: Full Time

FLSA Exempt: Non-exempt

GENERAL JOB DESCRIPTION: The Network Specialist is responsible for designing, documenting, and managing UCA networks to ensure they function efficiently and safely. UCA provides the public safety radio & network infrastructure across the state of Utah. The Network Specialist position is part of the Radio Network Division at UCA and supports the implementation of high availability, redundant, and secure public safety networks. As such the Network Specialist has on-call, after hour duty rotation shared with other individuals within the Radio Network Division here at UCA.

EXAMPLES OF TASKS/DUTIES:

- Manage the daily activities of local and wide area network systems, perform diagnostics, schedule preventative maintenance, and ensure network systems are operational.
- Analyze & map current network topology, structure, and routing, then propose and implement best practice network structure and security configuration.
- Installation, configuration and testing of switches, routers, firewalls, cabling, network servers, operating system software, and other related network components and equipment.
- Create & implement the plan for network monitoring and security.
- Maintain records of work completed and in-progress; and update network documentation to record installations, upgrades, configurations, etc.
- Network Security - Incident response - Computer and network forensics - Network administration - Vulnerability and malware analysis.
- Maintain, Design, and optimize MPLS networks.
- Perform bandwidth and path analysis for LAN and WAN networks.
- Scripting and/or programming as necessary to support the network plan.
- Train technical staff on network equipment installation and configuration.
- Define network policies, procedures, and standards.
- Participating in other relevant technology projects, training, and meetings as a matrixed member of the UCA Information Technology team.
- As available, assist in other IT/Desktop support needs.
- Maintain a knowledge and proper use of UCA purchasing policies.

BASIC QUALIFICATIONS:

- 5+ years of Network Administration and Security Experience
- Able to provide on-call after hours support when network issues arise outside of normal business hours.

- Excellent deductive and inductive reasoning skills with the ability to make sound decisions within a short period of time.
- Experience with TCP/IP, SNMP, LDAP, MPLS, ONR, as well as routing and switching techniques like MAC, OSPF, BGP, NAT, and RIP.
- Experience with installation, configuration and testing of switches, routers, firewalls, cabling, network servers, operating system software, and other related network components and equipment.
- Experience with network performance, load analysis and tuning
- Conduct quality control and performance audits via test and inspection of networks, products, services, and processes.
- Knowledge and use of administrative software such as network orchestration, network monitoring, network address management software, and documentation software.
- Ability to operate four-wheel drive or other off-road vehicles to get to mountain top sites in adverse weather conditions.
- Communication skills.
- Organizational and planning skills.

PREFERRED QUALIFICATIONS:

- Bachelor's degree in related technical field
- CCIE Certificate
- Experience with T1 & Ethernet based Microwave backhaul links
- Experience with Fiber Optic technologies, connectors, cleaning, maintenance, and best practices.
- Experience with Cisco Aggregation Services Routers
- Experience with Megasys Telenium monitoring solutions.