

**NETWORK ANALYST****DEFINITION**

Under direction of the Chief Technology Officer, develop, implement, maintain, monitor, and supervise new and existing network systems, including but not limited to systems deployment, configuration, management, optimization, monitoring, maintenance, diagnostics, repair, security compliance, security response, audits, and ensuring compliance with relevant regulations and policies for all District systems; analyze network systems data and develop improvement and best practice plans; prepare training materials and deliver trainings; collaborate with cybersecurity and infrastructure teams, participate and collaborate in professional organizations, state, and federal agencies, and prepare network documentation, plans and reports as needed; and principals of effective personnel leadership, management and supervision. Perform other duties as assigned.

**ESSENTIAL DUTIES AND RESPONSIBILITIES:**

- Have thorough knowledge of networking principles and network infrastructure systems integration and management practices.
- Monitoring and Management; utilize advanced network, methods, tools and technologies to proactively monitor and manage the school district's wireless and wired networks, VoIP, firewall, web filters, VPN, access control, and systems and applications.
- Investigate network data and voice performance incidents impacting network systems, identify root causes, and develop appropriate remediation strategies.
- Security Support; use intrusion detection and prevention systems (IDS/IPS), firewalls, antivirus software, and other industry standard security measures to identify and respond to potential threats, malware, viruses, and other malicious activities in support of security response.
- Training; design and deliver training programs for technology team members, staff, teachers, and students.
- Policy Development and Compliance; assist in the development, implementation, and enforcement of network policies, standards, procedures, and guidelines. Stay updated with the evolving regulatory landscape (e.g., FERPA, COPPA) and industry best practices, ensuring the District's compliance with applicable regulations.
- Access Controls and Infrastructure; collaborate with all Technology Services teams to evaluate, implement, and maintain access controls. Continuously assess the effectiveness of network access controls and recommend improvements as needed.
- Network Incident Reporting; prepare and present regular reports on voice and data network performance and reliability. Communicate complex network issues in a clear and concise manner to non-technical staff.
- Audits and Assessments; conduct periodic voice and data network system audits and assessments to evaluate performance and system effectiveness. Collaborate with external vendors, auditors and regulatory bodies. Continuous learning and staying updated on with the latest threats, technologies, security systems and industry standard practices.

## QUALIFICATIONS

### Knowledge of

Voice and data network systems and principles, protocols and technologies including, TC/IP, routing, OSPF, switching, VLANs, WLAN, 802.11ac, 802.11ax, VoIP, SIP, telephony routing, network security, operating systems, application security, secure configurations, firewalls, IDS/IPS, VPN, MDM, access controls, methods of incident response, risk management, compliance and regulations, security tools, security awareness and training, effective network systems management and data analysis, correct oral and written communication skills.

### Ability to

Manage, monitor and investigate; utilize advanced tools and methods to proactively manage and monitor the school district's voice and data network, systems, and applications for optimal operations. Develop operation and maintenance plans for voice and data network infrastructure systems; research, project manage, and deploy industry standard system and infrastructure configuration and security; maintain accurate and up-to-date documentation; solve complex voice and data network system integration problems; analyze and take corrective action to ensure best practice system security and infrastructure uptime, availability and performance. Proficient knowledge of voice and data network protocols, VoIP systems, operating systems, and network architectures. Proven incident response, including supporting incident analysis and response. Strong analytical and problem-solving skills to identify and address voice and data network operations. Excellent written and verbal communication skills to convey complex technical concepts to non-technical audiences. Ability to work independently, prioritize tasks, and handle multiple projects simultaneously. A solid commitment to maintaining confidentiality, integrity, and ethical standards in handling sensitive information.

### Experience

Proven experience as a network professional, preferably in an educational environment or similar setting. In-depth knowledge of voice and data networking principles, concepts, and industry best practices. Proficiency in enterprise wireless systems, VoIP, network tools and technologies, such as network automation, SIEM, IDS/IPS, firewalls, web filtering, MDM, security tools. Progressive supervisory and management experience with full responsibility for maintaining and ensuring maximum network infrastructure operations and integration, systems availability and performance.

### Education

Graduation from an accredited university with a bachelor's degree with specialization in Computer Science, Networking, or a related field, or any combination of professional training or technical experience equivalent to a bachelor's degree. Relevant certifications including but not limited to Cisco Certified Network Professional "CCNP", or equivalent are highly desirable.

### Physical Performance Requirements

Considerable standing, walking, or sitting much of the time with some bending, stooping, squatting and twisting. Lifting often involved. Weight of materials will vary, with employees regularly lifting and maneuvering 20 to 30 pounds.

Licenses

Possession of a valid and appropriate California Driver's License.

Board Approved: October 12, 2023