Job Title: **Network Engineer-Team Lead**

Department: **Information Technology**

Supervisor: **Director Information Technology**

Lane Placement: **ESP Lane 17**

Schedule: **8 hrs / 242 days**   Evaluation Group: **JCES 3**

FLSA Classification: **Non - Exempt**

JOB DESCRIPTION

Under the supervision of the Director of Technology Engineering and the Director of Information Technology, the Network Engineer - Team Lead is responsible for the overall design, implementation, management, security and maintenance of the district data/video/voice network infrastructure. Oversees planning and operation for all aspects of the district Wide Area Network (WAN), Local Area Network (LAN), Wireless Local Area Network (WLAN), network security, content filtering, intrusion protection (firewall) and other related services. Participates in all aspects of planning for new network-related systems and services, analyzes impact on existing resources and develops technical recommendations for future growth and development. Manages enterprise-level network services, mentors, and trains all associated staff to assist in supporting the entire network infrastructure district-wide.

ESSENTIAL FUNCTIONS

- Plans and deploys major network deployment and ongoing maintenance procedures for the Wide Area Network (WAN), Local Area Network (LAN), Wireless Local Area Network (WLAN).
- Develops network security strategies including firewall, content filtering, intrusion protection, remote access and related services.
- Serves as a technical resource for network configuration, performance analysis, monitoring, tuning, security of all network systems.
- Acts as a team lead and mentor to other team members responsible for WAN, LAN, and WLAN network deployment.
- Establishes network maintenance and auditing procedures.
- Determines key technical tools to enable effective troubleshooting techniques and provides formal and informal training (mentoring) of team members on all related technical responsibilities and use of such tools.
- Leads IT networking projects, implementation and initiatives.
- Audits, monitors and analyzes log files and network traffic data to identify and resolve vulnerabilities and exploits.
- Effectively communicates through written and oral means with end-users, administrators, carriers, vendors and partners in a timely manner.
- Makes key decisions and submits proposals for changes and services to appropriate Information Systems staff.
- Establishes plan for disaster recovery in relation to network infrastructure to ensure consistent connectivity at all times, and response procedures to critical situations.
- Cross trains other I.T. teams in all aspects of responsibilities, and participates in learning technical details of other engineering responsibilities.
- Acts as a back-up to other Systems Administrator responsibilities as needed to support the enterprise in all aspects.
- Will require occasional work off hours, evenings, weekends and holidays for scheduled maintenance and emergencies as required.

ADVANCE NETWORK ENGINEER-TEAM LEAD

- Predictable and reliable attendance.

During times of state or district emergency, all employees may be required to perform additional duties that are not required on a normal basis in support of educational and operational priorities. e.g. Performs general cleaning and sanitizing of work areas, provides remote assistance to students and staff, and any other reasonable duty as needed.

NON-ESSENTIAL FUNCTIONS

- Other duties as assigned.

> - This description should not be construed to contain every function/responsibility that may be required to be performed by an employee assigned to this position.
> - To perform this job successfully, an individual must be able to perform each essential duty satisfactorily.
> - The requirements listed below are representative of the education, knowledge and experience requirements; the machines, tools and equipment used; background; and any licenses or certifications required.
> - Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions of this position.

QUALIFICATION REQUIREMENTS

- Bachelor's Degree in a Computer Science or Network related technical field of study.
- Requires a minimum of six (6) years network engineering and administration experience with demonstrated competence.
- Current certifications in WAN/LAN/WLAN technologies and Network Security preferred.
- Proficient in designing, implementing and testing networks, hardening of systems, penetration testing and intrusion detection.
- Extensive experience with WAN, LAN, WLAN and VOIP components and computer security devices (e.g., switches, routers, wireless access points, firewalls, filters, IPS, VPN concentrators, Access Control Lists, user-authentication)
- Project management experience in large enterprise network engineering and deployment.
- Understands advanced networking principles, practices and protocols (e.g., OSI layer 2 and 3 operations, 802.1x, cyber security, IPSEC, HSRP, BGP, OSPF, 802.11, QoS)
- Experienced in systems administration including, but not limited to: Unix, Windows and Macintosh servers and desktops, Web servers, SAN's, NAS, and supportive network infrastructures.
- Interpersonal communication skills required: must provide organized presentations on highly technical subjects related to the network security and processes.
- In-depth understanding of client/server operating systems currently in use and proficient in administration and management of these systems.
- Must be fingerprinted and clear a criminal backgrounds check.
- Requires a valid Utah driver license.

> **NOTE: The Administration reserves the right to require specific training for this position. However, depending upon the type and quality of prior work experience and availability of formal training programs, some exchanges can be made between training and experience.**

PHYSICAL REQUIREMENTS---*Not limited to the following:*

> - Physical ability to perform the essential functions listed above with or without reasonable accommodation.
> - Requires the ability to lift a minimum of twenty-five (25) pounds.
> - Possess the physical, mental, and emotional stability to work under stressful conditions, including but not limited to: deadlines, contract requirements, inspection requirements, and interaction with critical personnel.
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> *Note: This list of essential and marginal functions and of physical requirements is not exhaustive and may be supplemented*

ADA   HR   Effective date: 6/9/2020