AUSTIN ISD
JOB DESCRIPTION

JOB TITLE:	**BD ENGINEER NETWORK**			PAY GRADE:	**IT 10**
DUTY DAYS:	**226**	FLSA STATUS:	**EXEMPT**	DATE REVISED:	**09/02/2026 HC**
FUNDING SOURCE:	**THIS POSITION IS BOND FUNDED.**				

MINIMUM QUALIFICATIONS:

A Bachelor's degree from an accredited college or university or a Diploma from an accredited technical institute and ten (10) years recent support experience with direct emphasis on network system architecture and design is required. The incumbent should have received technical certifications equivalent to either a CCIE certification and/or a CCNP certification. A minimum of five (5) years of recent advanced network system design and system integration experience is preferred.

SKILL REQUIREMENTS:

- Proficiency with various network system applications and utilities including but not limited to Word, Excel, Visio, Nagios, WhatsUp, VMWare, diagnostic utilities, and various scripting tools.
- Profound comprehension of fundamental networking protocols, encompassing TCP/IP, BGP, OSPF, EIGRP, VLANs, MultiCast/UniCast, and STP.
- Extensive practical experience with enterprise-level networking hardware, such as core and distribution switches, high-capacity routers, and sophisticated security appliances.
- Expertise in industry-standard security practices, specifically in VPN configuration, Access Control Lists (ACLs), and firewall policy administration.
- Adeptness in Python, Ansible, or comparable scripting tools to facilitate network automation and infrastructure-as-code strategies.
- Possession of pertinent industry networking certifications is preferred as evidence of technical expertise and ongoing professional growth.
- Demonstrated capability to resolve intricate network complications rapidly while under significant pressure.
- Exceptional oral and written communication abilities for recording network architectures and partnering with diverse technical teams.
- Dedication to lifelong learning and the capacity to incorporate modern technologies, including AI-based network oversight and cloud-native systems, into current frameworks.

JOB PURPOSE AND RESPONSIBILITY:

Incumbent performs management duties and technical work associated with the production data and voice network for the district. This position is responsible for the network planning, project management, technical recommendations, and executive briefings to management. This position requires combining network design skills with business knowledge and should demonstrate strong technical expertise.

ESSENTIAL FUNCTIONS:

- Strong interpersonal and communication skills; acting as a vendor liaison, making presentations to customer or client audiences or professional peers, and working closely with upper management.
- Ability to solve problems quickly and completely.
- Ability to identify tasks which require automation and automate them.
- Work closely with business management to determine business process and productivity needs and an appropriate technology strategy to support business goals.
- Analyze technical needs, requirements, and the state of the network's infrastructure design, integration, and operations. Work with technical management to architect and integrate network systems that effectively reflect business needs, service-level and availability requirements, and other enterprise system technology parameters.
- Develop design principles, models, plans, internal standards, budgets, and processes based on industry best practices.
- Establish governing principles for network design and deployment.
- Participate in selection of networking technologies and products for implementation.
- Lead teams of other network analysts and engineers in developing detailed designs and quality-control mechanisms during implementation.
- Communicate the role and value of the network to the organization and present the business case for technology investments.
- Continually update understanding of business and technology status and objectives and respond to strategic design requests as the business evolves.
- Perform other related work as assigned.
- Manage incident analysis occurring in the network and work with other Technology Group staff to develop recommendations to improve enterprise systems.
- Write and deliver reports on projects and document system designs and architecture.
- Research new products and technologies.
- Maintain organized documentation of the network environment.
- Provide an exceptional customer experience for all AISD stakeholders with intentional and professional practices that promote a culture of respect..

OTHER DUTIES AS ASSIGNED:

Perform other related duties as assigned; however, all employees are expected to comply with lawful directives in rare situations driven by need where a team effort is required.

PHYSICAL EFFORT AND WORK ENVIRONMENT:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. This position may involve rare exposure to blood or body fluids. Regular attendance is required for this position.

Tools/Equipment Used: Standard office equipment including personal computer and peripherals

Posture: Prolonged sitting; Extensive walking may occur, occasional bending/stooping, pushing/pulling, and twisting.

Motion: Repetitive hand motions including frequent keyboarding and use of mouse; occasional reaching

Lifting: Occasional light lifting and carrying (less than 45 pounds)

Environment: Standard office setting, sometimes noisy; travel to campuses and district locations

Mental Demands: Work with frequent interruptions, maintain emotional control under stress

PERSONAL WORK RELATIONSHIPS:

Incumbents may work under the general supervision of the appropriate supervisor of the department. Incumbent is expected to make decisions, prioritize, and perform work in a timely manner and solve problems without consulting the supervisor. Supervisor provides guidance and direction when special projects arise, when clarification on specifications is necessary, and in review of the final work product. Contacts include department co-workers, various district personnel that represent the users, vendors, and outside organizations.

The Austin Independent School District provides equal employment opportunities to all employees and applicants for employment and prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state or local laws.

I have read & acknowledged the job description above.

Employee Signature:		**Date:**	