

Title: Network Engineer	Effective Date: July 19, 2011	Grade: XVII	Job Category: Professional
Prior Title: Initial Distribution	Prior Effective Date: October 18, 2010	Grade:	Page: 1 of 1

CHARACTERISTICS OF WORK

This position operates under the limited direction of the Network Manager. This position supports and maintains voice, data, video, and wireless network services. This includes planning, designing, installing, monitoring, configuring, and upgrading local area networks (LANs), and wide area networks (WANS) throughout the Department. The Network Engineer also diagnoses and resolves network hardware and software problems of high complexity in a timely manner so that end users can accomplish business tasks.

EXAMPLES OF WORK

The following examples are intended only as illustrations of various types of work performed. No attempt is made to be exhaustive. Related, similar, or other logical duties are performed as assigned. The Department may require employees to perform functions beyond those contained in job descriptions. The Department may modify job descriptions based on Department needs. The Arkansas State Highway and Transportation Department is an "at will" employer.

- Design and deploy LANs, WANs, and wireless networks including routers, hubs, switches, and UPSs.
- Configure networks to ensure reliable operation, monitor network performance and troubleshoot problems.
- Ensure network connectivity of all servers, workstations, telephone equipment, fax machines, and other network appliances.
- Assist in managing servers, including performing server and network security audits, and system backups and recovery; and participate in managing all network and server security solutions.
- Administer end user accounts, permissions, and access rights.
- Provide guidance to junior members of the team.
- Work with third-party support and equipment vendors to resolve problems.
- Contribute to team/committee meetings with vendors, staff, and end users to help ensure the success of complex network related projects.
- Assist in developing, implementing and maintaining policies, procedures and associated training plans for network and resource administration and appropriate use.
- Assist in developing business continuity and disaster recovery plans, maintain current knowledge of plans, and respond to emergency network outages in accordance with the plans.

MINIMUM REQUIREMENTS

The educational equivalent to a bachelor's degree from an accredited college or university in computer science, engineering, or related field plus eight years of advanced network experience. Five years experience from within the Department. Advanced knowledge of the current network hardware and software environment. Occasional overnight emergency travel.

("Accredited" means the educational institution or program is accredited by an accrediting organization recognized either by the United States Department of Education or by the Council for Higher Education Accreditation.)