

 <p>STATE OF INDIANA CLASSIFICATION SPECIFICATION</p>	Class Title: Network Engineer – Associate		Class Code: 001BK3
	FLSA Status: Non-Exempt	Salary Schedule: RDS	Effective Date: 11-25-14
	Summary: Incumbent assists in the configuration and implementation of networks including the core, distribution and access layers of a network		

Duties:

- Assists with the installation and support of network communications, including LAN/WAN systems;
- Incumbent assists with network devices, including but not limited to, multi-layer switches/routers, client and network VPN appliances, intrusion prevention systems, firewalls, protocol analyzers, video over IP, network management products, wireless networks and Voice over IP (VoIP) systems or any other new technology;
- May provide input regarding the architecture, planning, design and implementation of network systems;
- Analyzes situations involving readily identifiable problems;
- Assists with maintenance of multi-layer switches and routers;
- Assists with the testing, adjusting and troubleshooting of equipment;
- Interfaces with vendor support to resolve hardware/software compatibility issues;
- Supports, monitors and troubleshoots hardware/software problems;
- Provides guidance to user agencies for maximum utilization of the communications infrastructure;
- May assist in the planning of large-scale systems projects through vendor comparisons and cost studies;
- Performs related duties as required.

Job Requirements:

- Specialized knowledge of networking hardware/software;
- Specialized knowledge of LAN/WAN systems, networks and applications;
- Specialized knowledge of multi-protocol network environments;
- Specialized knowledge of switching techniques;
- Specialized knowledge of load balancing methodologies;
- Specialized knowledge of advanced encryption strategies (VPN tunneling, etc.);
- Specialized knowledge of different topology systems;
- Specialized knowledge of network design and traffic engineering;
- Specialized knowledge of network capacity planning and event management tools;
- Specialized knowledge of all guidelines, policies and procedures related to multi-protocol services;
- Working knowledge of wireless protocols and technologies;
- Effectively communicate, both orally and in writing;
- Ability to read, understand and interpret complex manuals and blue prints.

Difficulty of Work:

Incumbent follows general guidelines under the direct supervision of a manager or higher-level staff. Guidelines are complex in nature and may require some judgment in making adaptations to fit the conditions of the work. Work is broad in scope and requires consideration of conflicting variables.

Responsibility:

Incumbent works under immediate supervision of higher-level staff and receives general instructions for work in support of agency information technology requirements. Work is reviewed for soundness of judgment, technical accuracy and compliance with division and agency policy.

Personal Work Relationships:

Incumbent interacts with all levels of management, in and outside of the agency, unit, division and department personnel for the purpose of planning, coordinating, installing and implementing various networking projects and to resolve operational issues. Outside vendors are contacted in gathering information, obtaining professional support and resolving issues. Incumbent must use diplomacy and persuasion in gaining consensus regarding network and telephone system and service issues.