

SPECIALIST IV NETWORK

DEFINITION:

Under the supervision of the Supervisor – Network Services, installs, upgrades and administers District servers and network technologies; installs and maintains complex applications; prepares cost and benefit analysis of hardware and software solutions; monitors and maintains network security.

DISTINGUISHING CHARACTERISTICS:

The Specialist IV-Network is the advanced -level in the Network Specialist series. The Specialist IV-Network acts as a team and project lead. Positions at this level require highly specialized knowledge, abilities, skills and experience and often exercise independent judgment in the performance of their duties, and possess technical or functional expertise beyond that expected at the journey -level. The Specialist I-Network classification is the entry -level classification in the series. The Specialist II-Network provides more complex program support and is an experienced -level classification in the series. The Specialist III-Network provides more complex program support and project leadership.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

- x Installs and maintains complex applications on IUSD servers; upgrades and administers District file and application servers.
- x Maintains current specialized and advanced knowledge of networking hardware and software related to assigned activities; maintains appropriate network management and security certifications or demonstrates equivalent knowledge.
- x Oversees network security, preventing unauthorized access and preserving network reliability.
- x Maintains advanced knowledge on the network protocols utilized by IUSD; researches new network standards and recommends changes.
- x Implements systems for remote support and management of IUSD technology, including remote control software designed to support troubleshooting and software installation across the network.
- x Conducts advanced network and network server troubleshooting.
- x Prepares cost and benefit analysis of alternative hardware and software solutions; surveys hardware and software trends and makes strategic recommendations relative to new advances and the needs of; makes recommendations relating to assigned activities affecting IUSD.
- x Assists Information Technology staff as needed; Provides guidance and support to technical support team.
- x Designs, installs, maintains and documents network hardware, software and operating systems.
- x Develops functional specifications, standards and requirements for hardware and software purchase and design to ensure optimum system and end-user performance.
- x Installs and maintains network infrastructure required for connection between the IUSD networks, between the District Office and all schools, and between the District Office and the Internet.
- x Designs and oversees assigned projects.
- x Anticipates emerging and long-range system issues and develops appropriate strategies.
- x Establishes and maintains technology access and performance monitoring systems and procedures. Takes appropriate action to respond to outages, suspected security breaches and other issues impacting accessibility of IUSD resources.
- x Work collaboratively with vendor partners to specify equipment and systems, obtain favorable pricing, coordinate installation and troubleshoot system issues.
- x Operates and maintains a variety of specialized equipment and software related to assigned duties including a computer and assigned software. x

- x Network administration principles and procedures.
- x Server management, including aligning specifications to program need, forecasting growth, installation, management, backup and recovery.
- x Hardware and software installation.
- x Cybersecurity systems and best practices, including secure network design, monitoring and incident response.
- x Network equipment configuration, installation and management.
- x Record-keeping techniques, including design documentation.
- x Data center administration, including technology sy(i)6 (n)7.2xw.7 8458 02Hto incl inc irn i15ldy 1.128 (i)-15idy 1p()

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