

Under the direction of an assigned manager, plans, designs, configures, impl(,)8 (i(C)-2.6(A)(an)22Mm (s)-8.3 n0 Td(s-13.3 telecommunications, data communications and network security systems, upstream and downstream ISP connections and networks and difficulty to meet the needs of the County Office of Education a network and administrative technical support for users; participate public relations, research and problem-solving activities.

**ESSENTIAL DUTIES:**

Designs, installs, configures, and monitors network devices including firewalls, wireless controllers, network security appliances and applications.

Designs, installs, configures, and monitors network infrastructure downstream and upstream Internet Service Provider (WAN) connections.

Designs, installs, configures, and monitors advanced optical (layer 1) wave division multiplexing (DWDM) technologies.

Designs, installs, configures, and monitors advanced wireless network Broadband Radio Service (CBRS) technologies.

Designs, installs, configures, and monitors network infrastructure at datacenter, and co-location sites.

Designs, implements, and maintains complex systems for secure connectivity; configures and installs secure access connections to County Office onsite and remote mobile workers and devices.

Designs network infrastructures and manage specific network design for future network and computing connectivity and bandwidth requirements and applications.

Designs, implements, and routinely assess options for network connectivity and resiliency of network-connected systems and services.

Designs

Designs, implements, and documents

Maintains and operates network monitoring and diagnostic software and equipment for capacity planning and preventative maintenance.

Receives and reviews equipment installation requests from users, ensure completeness, and contact users regarding discrepancies.

Trains users and customers in the proper use and operation of LAN/WAN systems and related equipment; trains and assists administrative support staff in department-specific software application and hardware.

Prepares and updates operation documentation and guides; prepares documentation for the placement of equipment; maintains and monitors equipment inventory lists; maintains accurate records, logs, and files related to assigned LAN, WAN, and equipment inventory activities, servicing, operations, and functions; writes articles, newsletters, and technical documentation; prepares network diagrams, flow charts, graphic presentations, and narrative reports to recommend improvements or resolve problems.

Repairs or facilitates the repair of-0.7 (d)(e)-6 r)8 (e)4.9p)-0.842.2 (s)20.228 t)enatg2 (l)JJ(h)-.2274n8ati(e)407 (DTc 0 TJ0



Evening or variable hours.  
Driving a vehicle to conduct work.

**PHYSICAL DEMANDS:**

Hearing and speaking to exchange information and make presentations.  
Dexterity of hands and fingers to operate computer keyboard.  
Seeing to perform assigned activities.  
Sitting for extended periods of time.  
Bending at the waist, kneeling, or crouching.