COMMUNICATIONS NETWORK SPECIALIST II

PURPOSE AND NATURE OF WORK

Position is responsible for designing, implementing, troubleshooting, and maintaining fiber networks and services. The Network Specialist II differs from the Network Specialist III in that the latter is responsible for data/video system product development, network security systems and protocols, VoIP headend management, and supervisory adjacent responsibilities. Incumbents work under the general direction of the Communications Network Services Supervisor and have no supervisory responsibilities.

ILLUSTRATIVE EXAMPLES OF WORK (Note: These examples are intended only to illustrate the various types of work performed by incumbents in this class. All of the duties performed by any one incumbent may not be listed, nor does any incumbent necessarily perform all of these duties.)

The Communications Network Specialist II may be required to perform all duties of the Communications Network Specialist I plus:
- Provide escalation support for all Backbone network elements
- Responsible for the overall design, operation, maintenance, and support of LUS Fiber headend facilities, specifically focused upon Video Acquisition and Distribution, Structured
- Wiring, and all other physical aspects of the Central Office or Remote CO facilities
- Responsible for service to data and video delivery to end customer and any adds, moves or changes
- Works with Management to set strategic direction, then executes on developed plans by working collaboratively with other LUS Fiber departments, or by working with external vendors and contract resources
- Responsible for troubleshooting advanced WiFi in large enterprise businesses. Responsible for advanced software deployments for delivery of all services – voice, video, data services. Includes development of templates for deployment by other support teams
- Performs related work as required

NECESSARY KNOWLEDGE, ABILITIES AND SKILLS

Knowledge of and ability to apply the following appropriate to the level of work in a communications system providing telephone, television and data communications to homes, government, and businesses:

- All knowledge, abilities, and skills of the Communications Network Specialist I
- Design and troubleshooting of triple play and home access systems
- Juniper/Cisco routers, switches, mux's, in an ISP environment
- L2/L3 protocols and technologies
- Internet Protocols and interior/exterior routing protocols
- ACLs, prefix lists, and firewalls
- DNS, DHCP, and IP Management
- Internet and data center topographies
- Ability to form and maintain effective working relationships with other LUS Fiber personnel, customers, elected officials, and general public
- Ability to communicate clearly, verbally and in writing

DESIRABLE QUALIFICATIONS

Bachelor of Science or Applied Science in Computer Science, Electrical Engineering, Telecommunications Engineering, or closely related field

Experience in:
- Network operations, including multi-gigabit transport networks
- MPLS and commercial networks and the various components,
- Network engineering and architecture
- Evaluating, configuring, and troubleshooting a variety of network equipment, especially Juniper, Cisco, Brocade, and Alcatel-Lucent