

## CHIEF COMMUNICATIONS ENGINEER

### **PURPOSE AND NATURE OF WORK**

Position is responsible for engineering planning, design and project administration for the Communications System Department which provides telephone, television and data communications to customer sites using fiber optics; as well as for operations and maintenance of data and fiber to the home equipment and software (Operating Support System and Billing Support System). Incumbent works under the general direction of the Director of the Communications System Department and has supervisory responsibilities for a professional and technical staff.

**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.)

Supervises and participates in engineering, design, system planning, specification, diagramming, mapping, construction administration and inspection, of a communications system providing telephone, television and data communications to homes, government, and businesses. Keeps abreast of latest developments and industry standards in telecommunications industries. Ensures plans include adequate system reliability and demand criteria. Oversees and performs analyses of telecommunications and control systems. Supervises staff engaged in system planning and computer modeling of LUS Fiber's telecommunications components.

Leads and participates in design, specifications, bid packages, the evaluation of bids, and inspection of work in progress; may approve change orders and contract payments for communications system related work.

Supervises operations and maintenance staff responsible for the head end video, telephone and data communications system. Supervises staff responsible for Operating and Business Support Systems. Performs related work as required.

### **NECESSARY KNOWLEDGE, ABILITIES AND SKILLS**

Thorough knowledge of technology and standard industry practices of telecommunications businesses using fiber optics to the customer premises.

Thorough knowledge of methods, materials, and construction standards for telecommunications system equipment, structures, circuits and protection.

Knowledge of video, telephone, and data head end systems.

Ability to analyze and project growth and need for additional capacity of the systems.

Ability to form and maintain effective working relationships with other LUS Fiber personnel, customers, elected officials, and general public.

Ability to communicate clearly, verbally or in writing.

Ability to perform accurate computations and projections under stressful or hurried conditions.

### **DESIRABLE QUALIFICATIONS**

Substantial working experience in design, construction and operations of data, video and voice communications systems using fiber optics to consumers' locations, or an equivalent combination of education and experience.

### **NECESSARY QUALIFICATIONS**

Baccalaureate degree in Electrical Engineering and registration as a Professional Engineer in the State of Louisiana or a state granting reciprocal recognition of registration.