

**CLASS TITLE: PUBLIC UTILITIES ENGINEERING SPECIALIST  
(TELECOMMUNICATIONS)**

**Class Code: 02776301  
Pay Grade: 26A  
EO: B**

**CLASS DEFINITION:**

**GENERAL STATEMENT OF DUTIES:** To assist a superior by performing professional engineering work in telecommunications to insure effective and efficient utility operations including field investigations related problems, the resolution of complaints from consumers and public officials, the collection and analysis of pertinent engineering data and statistics to justify any rate increase requests, the determination of need for new constructions and/or maintenance repair to existing facilities, and compliance to laws, rules, regulations and established engineering standards for operations by such utilities; and to do related work as required.

**SUPERVISION RECEIVED:** Works under the direct general supervision of an engineering superior and the functional supervision of the Public Utilities Administrator with considerable latitude in the exercise of initiative and independent judgement; assignments are received in outline form and are subject to review upon completion through conferences and submitted reports for results obtained and compliance with laws, rules and regulations and agency policies.

**SUPERVISION EXERCISED:** Exercises functional supervision over several staff and clerical positions when assigned to assist.

**ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:**

To assist a superior by performing a variety of professional engineering work in telecommunications to insure effective and efficient utility operations and including such activities as:

making field investigations of utility plan and equipment involving such engineering related problems as: determination of present adequacy of plant and equipment as well as current methods and means of delivery of services in order to insure efficient, continuous and safe services; determination of need for new construction of facilities and/or maintenance repair to existing facilities; and the collection and analysis of relevant engineering data and statistics to determine present valuations of utility properties and/or equipment relative to original valuations in order to justify submitted rate increase requests and to hold or participate in any hearings between the Public Utilities Commission (PUC), the utility and the consuming public related thereto;

making field investigations of complaints from consumers and/or public officials relative to existing services or requested services as well as relevant management problems and to hold and/or participate in hearings related thereto; and

making field investigations to determine utility compliance with state laws and accepted engineering standards of operations as well as the policies, rules and regulations of the Public Utilities Commission.

As directed by superior or the Public Utilities Administrator, to represent the PUC on engineering and policy matters at public meetings or state, regional and federal committees.

On any rate increase request in telecommunications, to meet with utility personnel and/or their consultants and to review with them all engineering, statistical and other technical data presented by the

utility as justification for a rate increase request in order to verify and validate such submitted material and data to determine the need for such an increase and to submit findings, conclusions and recommendations, in written form, to the PUC.

As directed, to serve as a consultant on engineering matters pertaining to utilities in telecommunications relevant to hearings conducted by the PUC as well as coordinate engineering related activities that represent the official position of the PUC at such hearings and to organize, compile and summarize all relevant engineering, statistical and technical data findings for the PUC.

As requested, to conduct special engineering related studies for superiors on any matters requiring the special expertise in telecommunications.

As directed by the PUC, to testify at hearings on related engineering matters under review.

To do related work as required.

## **REQUIRED QUALIFICATIONS FOR APPOINTMENT:**

**KNOWLEDGES, SKILLS AND CAPACITIES:** A thorough knowledge of the fundamental principles and practices of engineering in telecommunications and the ability to apply such knowledge to relevant engineering problems encountered in the construction, maintenance-repair and operation of a utility; a thorough knowledge of state and applicable federal laws, rules and regulations and accepted engineering standards of operation relative to regulated utility activities in telecommunications and the ability to enforce same; the ability to conduct field investigations and inspections relative to the engineering aspects of a utility operation to determine the adequacy of existing or the need for additional facilities and/or equipment, the justification for approving requested rate schedule changes, and the resolution of public complaints concerning the application of rates, services and practices, and to prepare summaries and reports thereon including recommendations; the ability to testify on engineering matters in telecommunications at hearings; the ability to establish and maintain an effective working relationship with superiors, public utility personnel and the public; and related capacities and abilities.

## **EDUCATION AND EXPERIENCE:**

**Education:** Such as may have been gained through: graduation from a college of recognized standing with a degree in engineering relevant to telecommunications; and

**Experience:** Such as may have been gained through: employment as a engineer including some experience in a public utility regulatory agency or a public utility involving the performance of a variety of fundamental engineering activities relative to telecommunications.

**Or,** any combination of education and experience that shall be substantially equivalent to the above education and experience.

Class Revised: March 28, 1999

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