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THURSTON 9-1-1 COMMUNICATIONS

Senior Radio Systems Technician

Classification Specification 1120

Department: Radio Systems
Pay Plan/FLSA Status: Pay and Class/Non-Exempt
Reports to: Radio Systems Manager
Supervises: None

GENERAL DESCRIPTION

The Senior Radio Systems Technician position provides an advanced level of support, maintenance and repairs of emergency and non-emergency voice and data radio and microwave systems including infrastructure, equipment, interfaces and facilities. May assist the Radio Systems Manager with coordinating work load demands and the work flow of the Radio Systems Department. Works independently under limited direction with a high level of autonomy and responsibility in accordance with internal rules and procedures.

This job description reflects the general concept and intent of the classification and should not be construed as a detailed statement of all the work requirements that may be inherent in a position.

ESSENTIAL FUNCTIONS

Installation, maintenance and repair of new and existing radio transmitting and receiving equipment including microwave and simulcast components.

Perform advanced technical work on land mobile radio systems and other electronics equipment, including the 700 MHz and VHF public safety radio system, digital microwave network, dispatch console system and supporting computer systems and networks.

Installation, optimization, programming, and maintenance of console equipment, recording equipment, and electronic devices. Assemble, install and maintain backup power systems, and optimization of radio, paging, and telephone equipment.

Origination, design, fabrication, adjustment, repair, and/or replacement of systems, circuits, and components.

Design portable and mobile radio subscriber templates for Motorola Astro systems.

Develop and coordinate routine preventative maintenance on all telecommunications equipment, including VHF, UHF, 700MHz base stations and repeaters, digital microwave systems, and consoles. Maintains accurate records of preventative maintenance and repairs and/or modification of equipment.

Locate, diagnose and correct malfunctions occurring in base stations, portables, mobiles, microwave radio and multiplex equipment, auxiliary power equipment, microprocessor-based radio dispatch consoles, closed circuit video cameras and monitors, recorders, pagers, amplifiers, antennas, cables, and electrical systems.

Work may also involve specification writing. Preparation, compilation and maintenance of various radio operations records, F.C.C. licenses, parts inventory records, and equipment activity logs may be required.

May provide subscriber radio training to user agencies and/or other governmental agencies.

Performs other duties as assigned.

DISTINGUISHING FEATURES

This position is an advanced level, hands-on technical position, which requires knowledge of design, engineering, and maintenance and programming of complex radio and telephone systems associated with public safety communications centers.

WORKING CONDITIONS

Work is performed in an office environment and outdoors, requiring driving an Agency-owned vehicle to various locations. Exposure to a variety of weather conditions may occur while driving or conducting fieldwork. Climbing of towers and poles (to heights of up to 200 feet) used as antenna supporting structures owned or leased by TCOMM. Bending, climbing, crawling under desks or into tight places, sitting, stooping, and lifting required to a maximum of 70 lbs. Physical agility to walk on various types of terrain and working with electronic equipment capable of electric shock.

Normal work hours will be standard business hours. Occasionally, will be called-in during off-hours for emergency situations.

QUALIFICATIONS

Associates degree, vocational training program in Electronics, or equivalent Military Electronics training involving communications equipment, analog/digital circuitry, and test equipment usage.

Five years' experience in digital microwave repair, configuration, and operation; maintenance, configuration, and repair of dispatch console systems; and trunked radio systems.

Any combination of education and experience that provides the knowledge, skills, and abilities to successfully perform the essential functions of the job may be considered.

Experience with Aviat Eclipse series equipment, Motorola Gold SmartNet/SmartZone, and P25 systems is preferred.

Current Washington State Driver's License or have requested and obtained an appropriate accommodation.

DESIRED SKILLS

Ability to communicate effectively both orally and in writing with all levels within the organization, and to establish and maintain effective working relationships.

Ability to plan, assign, prioritize, and monitor work assignments and projects.

General Radio Telephone Operator license or equivalent industry certification is desired.

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