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## THURSTON 9-1-1 COMMUNICATIONS

# Radio Systems Technician

## Classification Specification 1117

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

### GENERAL DESCRIPTION

The Radio Systems Technician position is responsible for the installation, maintenance, programming, and repair of new and existing radio transmitting and receiving equipment, microwave, and simulcast equipment used by the Agency.

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.

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.

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.

Performs other duties as assigned.

## **DISTINGUISHING FEATURES**

This position is a 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. 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 required to work overtime and/or called-in during off-hours for emergency situations.

## **QUALIFICATIONS**

High school diploma or GED and a vocational education, from a recognized institution, in technical electronics training program (with emphasis in radio communication technology). Additional related experience may be substituted for vocational education on a year for year basis.

Three years' experience in design, engineering, installation, programming, maintenance, testing and repair of radio systems, including VHF, UHF Microwave and associated electronic equipment. Equivalent military training may be substituted for the required experience on a year-for-year basis, up to a maximum of two years.

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

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

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