

**Radio Communications Technician III**

Salary Group: A15

Class Code: 9706

<u>CLASS TITLE</u>	<u>CLASS CODE</u>	<u>SALARY GROUP</u>	<u>SALARY RANGE</u>
RADIO COMMUNICATIONS TECHNICIAN I	9700	A11	\$26,332 - \$41,355
RADIO COMMUNICATIONS TECHNICIAN II	9704	A13	\$29,439 - \$46,388
<b>RADIO COMMUNICATIONS TECHNICIAN III</b>	<b>9706</b>	<b>A15</b>	<b>\$32,976 - \$52,045</b>

**GENERAL DESCRIPTION**

Performs advanced (senior-level) radio communications technical work. Work involves coordinating the maintenance and repair of base station and control antenna systems and communications, microwave, control, audio, and associated equipment; and designing and constructing specialized radio, electronic, and test equipment. May serve as a lead worker providing direction to others. Works under limited supervision, with moderate latitude for the use of initiative and independent judgment.

**DISTINGUISHING CHARACTERISTICS**

The Radio Communications Technician job classification series is intended for employees who install, inspect, maintain and repair radio equipment (mobile units, base stations, relay station, portable and hand carried units), radio control equipment, microwave systems, power supplies, antennas, masts, and related equipment and various electronic measuring and testing devices. They may work on fiber optic lines, transmitters, signal processing equipment and operate network analyzers, spectrum analyzers, power meters, and RF generators.

In contrast, the Telecommunications Specialist job classification series does not focus on radio communications equipment; rather, employees in that series are responsible for the configuration and repair of telecom infrastructure, including video, data, and voice communication systems. The Electronics Technician job classification series focuses on installing, maintaining, and repairing electronic equipment.

**EXAMPLES OF WORK PERFORMED**

Coordinates the installation of two-way radio mobile transceivers, electronic sirens, emergency lighting systems, mobile video systems, computer equipment, and associated electronic equipment.

Coordinates the installation, maintenance, and repair of two-way base communications, microwave, audio, control, antenna, transmission line, and associated electronic equipment.

Develops maintenance and test procedures on communications and electronic equipment.

Conducts system and equipment performance tests.

Installs electrical wiring of equipment shelters and emergency power plants at base station installations.

Designs and constructs specialized radio, electronic, and test equipment.

Procures repair parts and equipment.

Establishes and maintains files and records.

May serve as a lead worker providing direction to others.

Performs related work as assigned.

## **GENERAL QUALIFICATION GUIDELINES**

### **EXPERIENCE AND EDUCATION**

Experience in radio installation, maintenance, and repair work. Graduation from a standard senior high school or equivalent, supplemented by courses in communications and electronics, is generally preferred. Experience and education may be substituted for one another.

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

Knowledge of electricity, electronics, and automotive electrical systems; the installation and repair of mobile and fixed radio equipment; base station antenna, microwave antenna, transmission lines, and associated equipment; antenna orientation and radiating patterns; and Federal Communications Commission rules and regulations.

Skill in the use of maintenance, testing, and repair tools and equipment.

Ability to install and maintain radio and associated electronic equipment; to detect and eliminate trouble in radio transmitters, receivers, and other electronic devices; to interpret schematic diagrams and technical reference materials; to communicate effectively; and to serve as a lead worker providing direction to others.

### **REGISTRATION, CERTIFICATION, OR LICENSURE**

May require a Federal Communications Commission General Radiotelephone Operator License (PG).