



# Radio Communications Technician I

Salary Group: A11

Class Code: 9700

<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
RADIO COMMUNICATIONS TECHNICIAN III	9706	A15	\$32,976 - \$52,045

## GENERAL DESCRIPTION

Performs entry-level radio communications technical work. Work involves installing and repairing two-way mobile communications and associated equipment, inspecting and adjusting radio transmitting and receiving equipment, performing non-licensed technical repairs, and cleaning and replacing defective parts. Works under close supervision, with minimal 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

Installs two-way radio mobile transceivers, electronic sirens, emergency lighting systems, mobile video systems, computer equipment, and associated electronic equipment.

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

Installs emergency communications equipment.

Performs repairs to mobile system equipment installations.

Repairs and rebuilds communication equipment and parts.

Tests operational capacities of mobile installations.

Cleans and replaces defective parts.

Provides ground assistance for base station, microwave antenna, and transmission line installations.

Assists in installing two-way base communications, microwave, audio, control, and associated electronic equipment.

Performs related work as assigned.

## **GENERAL QUALIFICATION GUIDELINES**

### **EXPERIENCE AND EDUCATION**

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

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

Knowledge of radio installation, adjustment, and repair techniques.

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; and to communicate effectively.

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

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