

**Radio Communications Technician II**

Salary Group: A13

Class Code: 9704

<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 complex (journey-level) radio communications technical work. Work involves installing, maintaining, programming, and repairing base station and control antenna systems and communications, microwave, control, audio, and associated equipment. May provide guidance to others. Works under general supervision, with limited 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, maintains, and repairs two-way base communications, microwave, audio, control, antenna, transmission line, and associated electronic equipment.

Installs microwave and control consoles at base station and repeater sites.

Tests operational capabilities of mobile installations.

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

Programs mobile, portable, and fixed radio equipment.

Maintains and repairs radio communications towers, guy-wires, lighting, and associated electronic control equipment.

Maintains, troubleshoots, repairs, and aligns communications, microwave, control, audio, speed measuring, test, and associated electronic equipment.

Maintains, repairs, and adjusts equipment in vehicles and stations to precision tolerances specified by the Federal Communications Commission.

Assists in procuring repair parts and equipment.

May construct special electronic and test equipment.

May provide guidance 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 provide guidance to others.

REGISTRATION, CERTIFICATION, OR LICENSURE

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