



# Senior Communications Technician

Class Code:  
4542

Bargaining Unit: Tradecraft

COUNTY OF SISKIYOU  
Established Date: Feb 5, 2024  
Revision Date: Feb 5, 2024

## SALARY RANGE

\$29.79 - \$38.05 Hourly  
\$2,383.20 - \$3,044.00 Biweekly  
\$5,163.60 - \$6,595.33 Monthly  
\$61,963.20 - \$79,144.00 Annually

## DESCRIPTION:

### **DEFINITION**

Under general direction, to provide lead direction, work coordination, and training for other staff; to perform the more complex skilled technical work in the installation, maintenance, and repair of electronic radio frequency (RF) communications equipment; and to do related work as required.

### **DISTINGUISHING CHARACTERISTICS**

This is the lead worker and skilled working level classification in the Communications Technician class series. Incumbents have lead direction and work coordination responsibilities, as well as perform a wide range of the more complex skilled work in the installation, maintenance, and repair of mobile radio equipment, transmitters, and repeaters.

This class is distinguished from Communications Technician, in that the Senior Communication Technician incumbents perform more complex skilled electronics maintenance, installation, and repair work, as well as exercise lead direction and work coordination responsibilities.

### **REPORTS TO**

Communications Officer

### **CLASSIFICATIONS DIRECTLY SUPERVISED**

This is not a supervisory classification. However, incumbents provide lead direction, work coordination, and training for other staff.

## **EXAMPLES OF DUTIES:**

**ESSENTIAL FUNCTIONS** (The following is used as a partial description and is not restrictive as to duties required)

Provides lead direction, work coordination, and training for other staff; schedules and oversees installation, maintenance, and repair assignments; performs the more complex and regular installations, maintenance, and repair of countywide electronic radio frequency (RF) communications equipment, mobile radio receivers, transmitters, repeater antennas, mobile extenders, sirens, scanners, gun locks, control devices, and test equipment; inspects radio units to determine frequency and deviation, as well as compliance with proper operation frequencies, and constants; adjusts frequency control mechanisms; performs test operations of new equipment, prior to installation in the field; repairs damaged and defective units; installs and inspects new units for effective operations; installs wiring for computer systems and networks; install and repair CCTU systems; install and maintain STAGE bus radios, fare boxes, and camera systems; installs lighting and emergency warning systems on law enforcement vehicles; operates a variety of testing and measuring equipment, including frequency and modulation monitors, voltmeters, ohmmeters, impedance bridge, oscilloscope signal generators, radio frequency output meters, and telephone transmission equipment, coordinating with vendors as necessary, perform preventive maintenance on communications equipment, including mountain top repeaters and control stations and solar, wind, and thermoelectric alternate energy systems; installs complex electronics equipment in vehicles, boats, and trailers; perform welding and soldering; may inspect and maintain very high frequency, omni-range airport communications equipment; prepares and maintains a variety of records and reports.

### **DESIRABLE QUALIFICATIONS**

#### **Knowledge of:**

- Principles, methods, procedures, and equipment in the installation, maintenance, and repair of electronic, radio, and RF electronic communications equipment.
- Electronic and RF communications equipment testing methods and procedures.
- Electronic components and systems on vehicles.
- Welding and soldering methods and equipment.
- Computers and software used in electronic and RF electronic communications repair work.
- Laws, rules, and regulations related to radio transmission and electronic communications.
- Principles of lead direction, work coordination, and training.

#### **Ability to:**

- Provide lead direction, work coordination, and training for other staff.
- Plan, organize, and schedule installation, maintenance, and repair assignments.
- Perform the more complex skilled electronic installation, maintenance, and repair work on electronic, RF electronic communications, and related equipment.
- Read and understand schematic diagrams, blueprints, and sketches.
- Perform proper radio tower, antenna, and cable installation work.
- Skillfully use a variety of electronic testing equipment.
- Diagnose radio equipment operating problems and determine appropriate corrective action.
- Maintain records and prepare reports
- Establish and maintain cooperative working relationships.

## **TYPICAL QUALIFICATIONS:**

### **TRAINING AND EXPERIENCE**

Any combination of training and experience which would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the required knowledge and abilities would be:

One year of skilled work experience in electronic installation, maintenance, and repair of electronic communications equipment, including telecommunications equipment, equivalent to that of a Communications Technician in Siskiyou County.

### **SPECIAL REQUIREMENTS**

Possession of, or ability to obtain, a valid and appropriate driver's license.

An incumbent is required to possess a General Class Radio Telephone Operator's License issued by the Federal Communications Commission.

## **SUPPLEMENTAL INFORMATION:**

### **TYPICAL PHYSICAL REQUIREMENTS**

Sit for extended periods; frequently stand and walk; ability to walk on slippery and uneven terrain; ability to climb steep terrain; ability to climb tall radio towers; sufficient manual dexterity and eye-hand coordination to operate electronic testing equipment and make precise repairs on electronic equipment; ability to climb ladders; corrected hearing and vision to normal range; verbal communications; use of office equipment including computers, telephones, calculators, copiers, and fax.

### **TYPICAL WORKING CONDITIONS**

Work is performed in both office and outdoor environments; some assignments performed alone in remote locations; some exposure to variances in temperature and weather conditions; exposure to electrical current and electromagnetic waves; exposure to dust, fumes, smoke, and pesticides; some work performed in confined spaces; exposure to moisture and water; regular contact with other staff.