

SENIOR COMMUNICATIONS TECHNICIAN

Class Definition

Under general supervision, leads a crew of technicians; and installs, maintains, and repairs electronic communications equipment.

Distinguishing Characteristics

Senior Communications Technician is the advanced working lead class in the Communications Technician series. Incumbents provide lead direction to a crew of technicians and perform a variety of complex tasks involving the installation, repair and maintenance of radio receivers, transmitters and related equipment, telephones, video display terminals, and other electronic equipment. This class is distinguished from Communications Systems Supervisor in that the latter is the first-line supervisory level. This class is distinguished from Communications Technician II in that the latter is the journey level class in which incumbents perform the full range of duties with a minimum of supervision.

Typical Tasks

(This list is neither inclusive nor exclusive. Consequently, this information may not reflect Essential Functions for this class.)

Provides lead direction and participates in the installation, repair and service of electronic communication receiving and transmitting equipment; inspects the work performed by subordinates for accuracy and completeness.

Provides lead direction and participates in the installation, repair and service of scanning receivers, electronic sirens, radar equipment, sound reinforcement systems, video display terminals, telephones, and assorted electronic equipment.

Analyzes communication system performance and makes recommendations.

Services and operates a wide variety of electronic test equipment.

Provides technical direction to Communications Technicians in all phases of installation, maintenance, and repair of radio and telecommunications equipment.

Designs and fabricates complex electronic circuits.

Makes radio frequency emission inspections in accordance with Federal Communications Commission (FCC) regulations, and prepares various reports required by the FCC.

Assists new operators in the use of radio and telecommunications equipment.

Performs related duties as required.

Knowledge, Abilities, and Skills

Knowledge of communications and electronic theory and its application to municipal communications problems, including radio, telephone, microwave, antenna theory and radio wave propagation.

Knowledge of the practices, methods, materials and equipment used in installing, maintaining, repairing, and testing various types of electronic equipment.

Knowledge of pertinent Federal Communications Commission (FCC) rules and regulations, and the requirements of FCC reports.

Ability to lead and provide technical direction to subordinate Communications Technicians in various installation, fabrication and maintenance work.

Ability to locate and repair defects in electronic communications receiving and transmitting equipment.

Ability to read and understand plans, blueprints and schematics of electronic equipment, including radio, microwave, video, telephone and data.

Skill in the use of electronic telecommunications equipment.

Skill in the use of tools and testing devices used in servicing telecommunications equipment, such as frequency meters, modulation meters, oscilloscopes, power meters, analog and digital multi-meters, bit error rate test sets, transmission test sets and other electronic equipment.

Minimum Qualifications

Three years of experience equivalent to that gained as a Communications Technician II with the City of Fresno.

Necessary Special Requirements

Possession of a valid California Driver's License at time of appointment.

Recruitment may be limited to a specific area of expertise as required by operational needs. The specific areas of expertise are listed below:

1. Telecommunications
2. Radio systems

APPROVED: (Signature on file)
Director of Personnel Services

DATE: 07/14/1999