

COMMUNICATIONS TECHNICIAN I

Definition

Under supervision, to assemble, install, maintain and perform minor repairs on radio/electronic, microwave and various communications systems and related equipment.

Distinguishing Characteristics

This is the entry/trainee level of the Communications Technician classification. Incumbents are expected to possess the ability to learn to perform all essential functions. Promotion to Communications Technician II is considered on a merit basis and subject to recommendation by the department head and approval of the Director of Personnel.

Essential Functions

- Installs, removes and makes minor repairs to radios and related equipment in vehicles; installs, tests, and makes minor repairs to hand-held, mobile, VHF/UHF transmitters and receivers; installs mountain top repeater equipment and portable repeaters.
- Designs and fabricates mounts for equipment installed in vehicles and on communication towers; operates power hand tools and other equipment including saw, drill, grinder, drill press, arc welder and torch.
- Installs, and makes minor repairs to various communication systems including alarm systems, recording devices, audio and video systems, sirens, closed circuit TV and public address systems.
- Maintains and repairs emergency power equipment: battery chargers, auxiliary generators and light plants.
- Learns to climb towers, poles and other structures to install, reconfigure and repair radio or microwave antenna and cable equipment.
- Learns to operate electronic test equipment.

Other Functions

- Installs, troubleshoots, maintains and repairs wiring for voice and data networks, alarm systems and audio/video systems, including fiber optic cable and other communications equipment.
- Assists Communications Technician II/III to rack and mount fixed radio equipment; assists Communications Technician II/III in maintaining, adjusting and making minor repairs to microwave systems.
- Assists emergency service and public safety personnel during emergencies by operating and maintaining mobile communications equipment, 4 wheel drives vehicles and snow cat.

- Performs other related duties as required.

All Kern County employees are designated “Disaster Service Workers” through state and local laws (CA Government Code Sec. 3100-3109 and Ordinance Code Title 2-Administration, Ch. 2.66 Emergency Services.) As Disaster Service Workers, all County employees are expected to remain at work, or to report for work as soon as practicable following a significant emergency or disaster.

Employment Standards

One (1) year experience in the installation and maintenance of electronic and mobile communications equipment.

OR

Possession of a certificate in electronic technology, or equivalent, from an accredited two (2) year college.

Certificates/Licenses Required

Possession of a valid California Class C Drivers License required at the time of appointment.

Knowledge of: Basic tools, principles and procedures employed in fabricating, installing, maintaining, testing, repairing and operating radio, microwave and other communications equipment.

Ability to: Use various power tools and equipment to construct, install, and maintain communications equipment; work at considerable heights and in adverse weather conditions.

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