

RADIO TECHNICIAN 2

KIND OF WORK

Second-level technical maintenance and repair work on electronic communications equipment.

NATURE AND PURPOSE

Under general supervision, an employee in this class is responsible for performing advanced level technical work in the installation, maintenance, and repair of mobile and base station radios, repeater station radios and consoles, telephone systems, computer radar equipment, and related electronic communications hardware. Makes calibration checks of test equipment, making approved modifications and alterations to system hardware. Maintains inventory of parts and supplies. May provide leadwork direction to lower level technicians in the completion of work, and also may assume some administrative duties in the absence of the supervisor. Performs related work as required.

This classification differs from a Radio Technician 1 in that it performs advanced level repairs, operates under general rather than immediate supervision, and assumes leadwork responsibilities as required. It differs from a Radio Technician 3 in the level of work performed and the independence of action required in the performance of tasks.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Install, repair, and maintain electronic radio equipment in vehicles and buildings so that effective communications are maintained in compliance with FCC regulations by making performance checks on equipment installations; repairing base radio equipment; replacing and repairing electronic radio equipment in vehicles; examining, cleaning, and replacing parts, wiring, cable, surge protectors, and power lines; providing user instruction in operating electronic communication equipment; logging results of technical performance measurements on electronic equipment.

Calibrate test equipment required for installation, maintenance, and repair so that equipment complies with FCC frequency tolerances for radio transmitters by comparing frequency measuring equipment with the national standards; tuning and adjusting electronic equipment; reporting equipment deficiencies to supervisor; measuring equipment performance.

Maintain and repair base and repeater station two-way radio equipment and control consoles so that equipment functions effectively and efficiently when needed by repairing and replacing parts; troubleshooting equipment; maintaining and repairing consoles and equipment with required tools while checking frequently for proper operation.

Alter and/or modify electronic communications equipment so that intended communications results are achieved by making minor modifications to existing systems; modifying or replacing equipment as approved by supervisor; ensure that equipment is operational and reliable.

Install, repair, and maintain electronic communication hardware so that equipment functions to its fullest capacity by servicing public address systems; repairing and maintaining sirens and speed measuring devices, such as computer radar; making periodic checks, assuring continuous operation; assuring proper preventive maintenance on electronic communication equipment.

Provide leadwork direction, as necessary, to other Radio Technicians and lower level technical staff so that employees are trained in the proper use of tools and repairs are made without error by training staff on repair procedures; directing work assignments and following through on completion of projects.

Maintain parts inventory so that equipment repairs can be completed as needed by recording all parts used in repair work; advising supervisor when parts are needed for repairs; assisting in performing inventory tasks.

KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED

Knowledge of:

Standards and practices of installation, repair, and maintenance of electronic communication equipment sufficient to ensure effective and efficient operation of advanced technical equipment.

FCC rules and regulations governing usage and repair of electronic communication equipment sufficient to comply with federal transmitter tolerances and oversee that work performed complies with these standards.

Tools and equipment used in the repair and maintenance of electronic communication hardware sufficient to make use of proper tools and equipment in the repair and maintenance of such hardware.

Skill in:

Operating measuring devices sufficient to calibrate electronic product servicing equipment.

Ability to:

Troubleshoot problems within electronic communications equipment sufficient to identify and resolve complex malfunctions independently and ensure system operation.

Understand and follow oral and written directions sufficient to carry out electronic communication equipment installation, maintenance and repair.

Verbally communicate effectively sufficient to provide direction to others in the repair, maintenance, and installation of advanced electronic communications equipment.

LEGAL OR LICENSURE REQUIREMENTS (These must be met by all employees prior to attaining permanent status in the class.)

Possession of a second class FCC Radio Telephone License.

Est.: 11/73
Rev.: 08/91

T.C.: 04/84
Former Title(s): Radio Technician
Senior