

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
CLASS SPECIFICATION

ELECTRONIC EQUIPMENT INSTALLER/REPAIRER

POSITION CODE: 13340
Effective: 5-1-84

DISTINGUISHING FEATURES OF WORK:

Under general supervision, performs skilled work in the installation, maintenance and repair of radio and electronic equipment; constructs electronic and mechanical devices and fabricates equipment stands, brackets and hardware from wood and metal stock necessary to install electronic base and mobile communications equipment. This class does not subsume positions responsible for repair and adjustment of radio transmitting equipment requiring a General Radiotelephone Operator License.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Installs, removes, and performs minor electro-mechanical repairs of radio and emergency warning equipment in state vehicles; assembles and installs communication consoles at State Police district headquarters.
2. Installs, maintains and makes repairs to color television sets and public address systems; runs wiring and maintains proper connections for a cable television and public address system within a state facility.
3. Uses various hand and power tools such as screwdrivers, pliers, wrenches, hammer, soldering iron, power drill and hole saw; uses test bench equipment such as signal generators VOM meters, and oscilloscopes.
4. Reads schematic circuit diagrams to gain an understanding of circuit operation as necessary for repairs; follows wiring diagrams and product literature necessary to install and connect equipment; may fabricate electronic circuits and equipment from pencil layouts and schematic drawings; prepares estimates of repair cost and may recommend replacement of well-worn equipment.

ELECTRONIC EQUIPMENT INSTALLER/REPAIRER (Continued)

5. Constructs stands, brackets and hardware from stock material.
6. Performs other duties as required or assigned which are reasonably within the scope of the duties enumerated above.

DESIRABLE REQUIREMENTS:

Education and Experience

Requires knowledge, skill and mental development equivalent to the completion of four years of high school or technical school.

Knowledges, Skills and Abilities

Requires working knowledge of the maintenance, adjustment and repair of television, radio or electronic equipment.

Requires working knowledge of the principles of electronics.

Requires elementary knowledge of power tools normally associated with wood and metal work.

Requires ability to read circuit schematics and wiring diagrams.

Requires ability to use tools, tolerance measuring devices and test equipment of the trade.

Requires finger and hand dexterity for the satisfactory completion of assigned duties.

Requires ability to maintain satisfactory working relationships with coworkers and the general public.