

CLASS SPECIFICATION
County of Fairfax, Virginia

CLASS CODE: 6366 **TITLE:** ELECTRONIC EQUIPMENT TECHNICIAN II **GRADE:** S-20

DEFINITION:

Under general supervision, performs and/or leads other technicians in performing the more complex work in inspecting, testing, maintaining, installing, and repairing electronic equipment and systems, such as fire alarm and fire suppression systems, emergency electric power generating systems, audio and video equipment, two-way radios, and other similar electronic equipment; and performs related work as required.

DISTINGUISHING CHARACTERISTICS OF THE CLASS:

Electronic Equipment Technician II positions are distinguished from Electronic Equipment Technician I positions in that Electronic Equipment Technicians II are expected to be competent in multiple systems, are expected to perform the more complex tasks, and act in a lead/instructor role for lower-level technicians.

ILLUSTRATIVE DUTIES:

Performs legally-required inspections, tests, and repairs to fire alarm, fire suppression, and emergency electric power generating systems in buildings owned or leased by the County;
Responds to emergency calls on malfunctioning fire alarm/suppression systems and power generating systems;
Installs and maintains electronic audio systems located in County buildings;
Installs and repairs two-way radios, sirens, emergency lights, audio hailers, and other electronic equipment in various types of County vehicles;
Installs and maintains closed-circuit television equipment and systems used for the inspection of inaccessible areas, such as the interior of sewer lines;
Performs installation, maintenance, calibration, and repair work on electronic equipment, such as test instruments, video and audio recording equipment, public address systems and two-way radios, and services equipment on location when necessary;
Uses a variety of test equipment, test procedures, schematic diagrams, and technical specifications to diagnose and isolate malfunctions;
Maintains a sufficient inventory of spare parts, repair tools, and equipment;
Initiates procurement of replacement supplies and equipment as necessary;
Instructs less experienced technicians in the maintenance and operation of equipment and systems;
Maintains current knowledge of statutory electrical codes and requirements, and of new technological developments in the relevant field of electronics;
Keeps accurate records of inspections, maintenance, and work performed;
Acts as lead or single technician in the more complex projects;
Supervises the unit in the absence of the supervisor.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:

Thorough knowledge of the electronic and electromechanical principles and processes relevant to the assigned area;
Ability to diagnose complex problems and malfunctions in electronic equipment and systems, and to prescribe solutions;
Ability to plan, schedule, and complete installation, inspection, maintenance, and repair of electronic equipment and systems;
Ability to read and work from manuals, schematics, and drawings;
Ability to operate the required power and hand tools and test equipment;
Ability to train new and less experienced technicians;
Ability to keep accurate records and generate accurate reports;
Ability to establish and maintain effective working relationships with peers and customers.

EMPLOYMENT STANDARDS:

Any combination of education, experience, and training equivalent to the following:
High school graduation or a G. E. D. issued by a state department of education; PLUS
Completion of an apprentice-level vocational training program in electronics; AND
Two years of experience in the maintenance and repair of the electronic and electromechanical equipment specific to the position.

CERTIFICATES AND LICENSES REQUIRED:

Motor Vehicle Operator=s License.

REGRADED: March 6, 2009
REVISED: May 1, 1998
REVISED: July, 1977