



Senior Electronic Technician

Class Code	FLSA Status	EEO Category	Represented Status	Salary Grade	Effective Date	Resolution #	Pages
437	Non-exempt	3 - Technicians	IBEW	IBEW-01	REV 2/09	1138	1 of 2

DEFINITION: Under general supervision, performs journey-level installation, testing, diagnosis, and repair of electronic systems and equipment used by the District; in assigned maintenance facilities and in the field.

REPORTS TO: The Electronic Systems Supervisor, or designee.

REPRESENTATIVE FUNCTIONS may include, but are not limited to:

- Installs, tests, and repairs fare boxes; computer-aided dispatch, fixed-point and mobile transmitting, receiving, and radio communications systems; audio-video equipment; and destination signs following manufacturers' specifications. Performs both corrective and preventive maintenance.
- Performs shop and field tests using diagnostic tools such as service monitors, spectrum analyzers, frequency counters, digital voltmeters, oscilloscopes, audiometers, ammeters, and microwave test equipment. Tests for power output, audio quality, frequency sensitivity, and frequency selectivity.
- Calibrates and repairs test and diagnostic equipment.
- Troubleshoots and repairs printed circuit boards to component level.
- Designs and fabricates templates, patterns, and communications mounts of materials that include metal, wood, and plastic.
- Oversees and inspects the work of contractors working on computer-aided dispatch, and radio communications equipment.
- Compiles and maintains computerized and paper records related to work completed, and inventory of parts, supplies, and materials used. Enters and retrieves data from District computer programs.
- Compiles and organizes updated manufacturers' specifications to keep service manuals current; and reports specification changes and parts substitutions to the Procurement department.
- May provide work-related information to other Electronics Technicians regarding accepted electronics industry and manufacturers' installation and maintenance procedures; as well as District policies and procedures.
- May work on high structures and open towers.
- Performs related duties as required.

This Class Specification is intended to present a descriptive list of the range of essential functions performed by an incumbent in this class, but is **not** intended to reflect all duties performed within the job.

Electronics Technician & Communications Technician last revised 5/97. Combined & revised 7/08. Title change 2-09

Approved by Rick Fernandez, General Manager

Date



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MINIMUM QUALIFICATIONS:

Knowledge Of: Principles, practices, and methods used in the installation, testing, maintenance, and repair of the electronics systems and equipment used by the District; solid-state electronics; analog and digital circuits; principles and practices of preventive maintenance; procedures and practices of workplace safety in the shop and in the field; pertinent Federal Communications Commission (FCC) rules and regulations; personal computers; and currently used programs for spreadsheets and word processing.

Ability To: Perform testing, diagnosis, and corrective and preventive maintenance on the District's electronics systems and equipment, in accordance with manufacturers' specifications, as well as safety and regulatory requirements; ability to read, understand, and interpret technical information found in service manuals, service change bulletins, and schematics; skillfully operate electronic test equipment, solder/desolder equipment, power shears, and hand and power tools; work independently with minimal supervision; quickly learn and become proficient in the maintenance of new systems and equipment purchased by the District; use sound judgment; lift, carry, and move equipment, tools, and supplies; climb and use a ladder, and work under varying workplace and climate conditions; communicate effectively both orally and in writing; write legibly; and establish and maintain effective working relationships with those contacted in the course of work using principles of excellent customer service.

Education/Training: Equivalent to completion of two (2) years of college with an Associates degree in electronics from an accredited college; and/or successful completion of a recognized electronic technician training program.

Experience: A minimum of two (2) years of recent and verifiable experience as an electronics technician; including a combination of experience in at least two of the following areas: digital, analog, electro-mechanical, or industrial electronics.

Physical Requirements: Must possess the physical condition necessary to: (1) stand, walk, sit, pull, push, balance, kneel, crouch, twist, and reach occasionally or frequently; (2) lift weights of up to 50 lbs occasionally, and between 50 and 75 lbs rarely; (3) perform tasks occasionally in an office setting operating a personal computer, keyboards, and other peripheral equipment; and (4) maintain mobility in order to travel locally and frequently to various locations within the AC Transit District to perform job functions.

Special Requirements: (1) Must possess or obtain and maintain a California Class C Driver License and meet the District's safe driving standards. (2) Must be available to work a rotating assignment for 24 hour on-call duty and respond to emergency repair situations.

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