WASHINGTON STATE DEPARTMENT OF PERSONNEL

72700

Specification for Class of

CONTROL SYSTEMS TECHNICIAN

Abolished Effective July 1, 2007

Definition: Performs skilled work in installing, maintaining and repairing electronic and pneumatic environmental control systems.

Typical Work

Installs, modifies and maintains computers and related equipment;

Installs, maintains, calibrates and operates equipment to monitor temperatures, electrical usage, fire alarm systems, security systems and equipment status in various campus buildings;

Operates and maintains fluid and electronic testing and measuring instruments such as manometers, air flow meters, volt meters, ammeters and potentiometers;

Reads, records and tabulates charts and instrument data for zero deviations and abnormal or erratic fluctuations;

Keeps records of work performed and supplies used;

Maintains and operates design and maintenance electronic equipment such as multimeters, tube and transistor testers, oscilloscopes, generators, frequency and pulse oscillators, amplifiers, resistors, capacitors, inductors, electronic counters and voltage-to-frequency convertors;

Installs, maintains, operates and calibrates pneumatic controls pertaining to environmental control systems in State office buildings;

Troubleshoots and repairs small motors checking for factors such as.lubrication, alignment, overloading and bearing replacement;

Maintains and repairs air conditioners; electric controls on such items as ranges, dryers, incinerators, gas and oil furnaces, electric door openers, boilers, public address systems and sound masking systems;

Repairs relays, timers, meters and switches with local or remote computer control; reads and interprets blueprints;

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Maintains and repairs uninterruptable power systems which supply power to computer centers, to include electrical and electronic circuitry for controlling high AC and DC voltage and current capabilities, and battery banks capable of supplying 1,500 amps at 480 volts AC during power outages;

Maintains and repairs fire alarm systems, clock systems, low voltage controlled lighting, speakers and amplifiers;

Maintains and repairs high and low pressure boilers, absorption and centrifugal and heat recovery systems;

Performs other work as required.

Knowledge and Abilities

Knowledge of: electrical and electronic theory, standard practices, methods, materials, tools and equipment; electrical and building codes; safety precautions.

Ability to: read, interpret and update blueprints; estimate time and materials; instruct helpers; use all types of hand and power tools; properly install all types of wiring, fittings and conduits; work out of a bucket truck, on top of extension ladders and high above floors.

Minimum Qualifications

Four years of experience in installation, maintenance, repair and use of industrial electronic or pneumatic instruments, machines or measurement equipment.

Full-time training in electronics or pneumatics may be substituted, month for month, for a maximum of one year of the required experience.

New class
Effective May 13, 1983