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Class Specifications for the Classes:

AUTOMATED SYSTEMS EQUIPMENT TECHNICIANS I AND II
(AUTOMATED SYSTS EQUIP TECHS I AND II)

Distinguishing Characteristics:

These classes reflect responsibility for performing the full range of technical work in the installation, testing, maintenance, troubleshooting, and repair of electronic and electromechanical automated systems and the associated equipment, which includes the cable network infrastructure, electronic interconnecting equipment and remote site peripheral equipment. Examples of automated systems and its associated equipment include data communication systems and associated peripheral equipment (such as terminals, microcomputers, monitors, keyboards, printers and bar code reading devices), local area network systems and associated equipment (such as fiber optic cables, cable connectors, patch panels, hubs, switches and concentrators), and other automated systems and associated equipment. The work includes identifying and replacing defective chips, malfunctioning circuit boards, circuits, and other electronic and solid state components, and installing modems, multiplexors, cable networks, and related data communications equipment and is performed in accordance with specifications and documents provided by equipment manufacturers.

LEVEL I: This class reflects the journey worker level responsible for independently performing the full range of technical work in the installation, testing, maintenance, troubleshooting, and repair of electronic and electromechanical automated systems and associated equipment under general supervision.

LEVEL II: This is the working supervisory level which supervises and participates in performing the full range of technical work in the installation, testing, maintenance, troubleshooting, and repair of electronic and electromechanical automated systems and associated equipment.

Examples of Duties: *(Positions may not be assigned all of the duties listed, nor do the examples necessarily include all the duties that may be assigned. The omission of specific statements does not preclude management from assigning such duties if such duties are a logical assignment for the position. The classification of a position should not be based solely on the examples of duties performed.)*

Reads and interprets manufacturers' specifications and diagrams of electronic circuits; uses hand tools and testing devices such as oscilloscope, multimeter, data analyzer and voltmeter when installing, repairing, testing and adjusting cable networks, interconnecting equipment and remote site peripheral equipment for automated systems; designs equipment layout and determines cabling requirements when installing new equipment and systems; operates remote site computer peripheral equipment to locate, diagnose and correct malfunctions and to test equipment for

proper operation; makes field and shop repairs including identifying and repairing malfunctioning chips and circuits; installs, tests, maintains, troubleshoots and repairs telephone systems and associated equipment (such as backbone and horizontal cables, telephone sets and electronic key systems); trains users of automated systems equipment to recognize malfunctions and to contact proper sources for repair; operates, repairs and maintains various automated systems equipment; recommends purchase of new or improved electronic testing instruments and equipment; maintains inventory of and procures parts for maintenance and repairs; sets up remote site computer peripheral equipment for demonstration purposes; may install, test, maintain, troubleshoot and repair closed-circuit television systems and associated equipment (such as secondary wideband amplifiers, modulators, attenuators and equalizers), alarm/monitoring systems and associated equipment (such as microprocessors and electronic time controllers); and travels to other islands as necessary to provide technical support and assistance.

In addition, positions in the class Automated Systems Equipment Technician II plan, layout, assign, and participate in the above-mentioned duties; estimate materials, time, and costs to perform various jobs; and review and evaluate the work of subordinates.

Knowledge and Abilities Required:

Knowledge of: Electricity and electronics theory; practices, tools, equipment and materials used in electrical and electronics repair and maintenance; schematic diagrams, flow charts and related manufacturers' specifications; electrical and electronic work hazards and safety practices; and operating principles of testing equipment.

Ability to: Read and interpret schematic diagrams, flow charts and related manufacturers' specifications; use proper tools and testing equipment such as oscilloscopes, multimeters, data analyzers and voltmeters in the maintenance, testing and repair of automated systems and the associated interconnecting and peripheral equipment; and repair, maintain and modify electromechanical and electronic equipment.

In addition, the class Automated Systems Equipment Technician II requires the ability to plan, layout, assign, review and evaluate the work of Automated Systems Equipment Technician I's; estimates material, time and costs; and works effectively with others.

PART I
AUTOMATED SYSTS EQUIP TECH I AND II
8K.067 and 8K.068

Page 3

is an adoption of the class specification for the Executive Branch Civil Service classes AUTOMATED SYSTEMS EQUIPMENT TECHNICIAN I AND II by the Department of Education Civil Service system.

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