

**CLASS SPECIFICATION****03/22/07****AIRPORT EQUIPMENT TECHNICIAN, CODE 3769**

Summary of Duties: Maintains, repairs, and modifies complex luggage movement systems, passenger loading bridges, computerized control systems, potable water systems, commercial-type overhead doors, ventilations systems, aircraft ground power systems, preconditioned air systems and various aircraft support systems; may supervise a crew performing the above activities; and does related work.

Distinguishing Features: An Airport Equipment Technician specializes in the maintenance and repair of luggage movement systems, passenger loading bridges and other stationary ground support equipment at airports. An incumbent of this class performs both semiskilled and journey-level skilled work and uses judgment in determining the extent of necessary repairs and replacements. Supervision received varies with assignments, but usually consists of inspection for adequacy upon completion. An incumbent of this class is exposed to hazards encountered in working around an active airport operations area, machinery, and equipment in operation.

Incumbents in the class may supervise other Airport Equipment Technicians and may be responsible for planning and/or implementing preventative maintenance programs for airport luggage movement systems, passenger loading bridges, potable water systems, overhead doors, ventilation systems, aircraft ground power systems, preconditioned air systems, and other equipment and systems related to aircraft support operations. Assignments are in terms of objectives and the incumbent is responsible for the quantity and quality of the work performed.

Examples of Duties:

- Repairs, maintains, overhauls, and operates baggage carousels, belts, controls, conveyors, passenger loading bridges, preconditioned air systems, potable water filters and fixtures, fire and security doors; 400 Hertz electrical equipment, and related equipment;
- Overhauls, modifies, and replaces parts and units including motors, drive rollers, baggage belts, reduction drives, drive chains, and sprockets;
- Repairs, adjusts, and calibrates electronic control systems;
- Operates and programs computer or logic controllers related to airport aircraft support systems;
- Inspects luggage movement and passenger loading equipment for proper operation;
- Checks and logs operating conditions of all equipment;
- Diagnoses failures and analyzes, by observation and the use of testing equipment, irregularities and defects in such equipment;
- Fabricates metal items such as brackets and machine guards;
- Performs gas and electric welding;
- Performs rigging necessary in moving heavy equipments;
- Uses a wide variety of hand tools and powered equipment to repair equipment;

- Plans, supervises, coordinates, and inspects the work of employees engaged in the repair, maintenance, overhaul, and operation of baggage carousels, belts, controls, and conveyors, passenger loading bridges, preconditioned air systems, potable water filters and fixtures, fire and security doors; 400 Hertz electrical equipment, and related equipment;
- Coordinates the repair and maintenance of equipment with operating schedules;
- Determines work methods and procedures to be used;
- Checks work to be performed and insures that materials and supplies are available;
- Personally supervises emergency or difficult work;
- Prepares cost estimates for proposed work;
- Prepares requisitions for materials, supplies, tools, and replacement parts;
- Maintains records of equipment serviced and repaired; and

May occasionally be assigned to other duties for training purposes or to meet technological changes or emergencies.

Qualifications:

Knowledge of:

- Functions, principles, and methods of operation, maintenance, and repair of luggage movement systems, passenger loading equipment, and related equipment and systems;
- Safety principles and practices related to luggage movement, passenger boarding, and related equipment and systems;
- Soldering, welding, and brazing;
- Operation and maintenance of preconditioned air systems, potable water systems, high voltage electrical systems and other related equipment;
- Laws and regulations related to equal employment;
- City of Los Angeles Personnel rules, policies and procedures; and
- Airport rules and regulations.

The ability to:

- Use the tools necessary to perform mechanical, electro-mechanical, and controls work;
- Read blueprints and wiring diagrams of mechanical, electrical, and electronic mechanisms pertaining to luggage movement, passenger boarding and related equipment and systems;
- Install, align, and adjust machinery and control devices including electrical wiring;
- Diagnose electrical and mechanical failures and defects in various equipment and determine corrective measures;
- Test equipment for proper operation;
- Communicate effectively with supervisors, subordinates, and others;
- Prepare cost estimates for new or modified equipment installations;
- Supervise a group of subordinate mechanics and helpers;
- Prepare and maintain service and repair records; and
- Prepare reports on work performed and materials used.

Minimum Requirements:

Three years of full time paid experience in the maintenance and repair of electrical and mechanical operating systems for luggage movement, passenger loading bridges, and various

stationary aircraft ground support equipment at a major airport.

License:

A valid California Class "C" driver's license is required

Physical Requirements:

Strength to perform lifting up to 70 pounds and occasionally over 70 pounds; body agility and equilibrium involved in activities such as climbing and balancing under precarious conditions; good speaking and hearing ability; and good eyesight. Ability to work outdoors in all weather conditions.

Persons with disabilities may be able to perform the essential duties of this class with reasonable accommodation. Reasonable accommodation will be evaluated on an individual basis and depends in part, on the specific requirements for the job, the limitations related to the disability and the ability of the hiring department to reasonably accommodate the limitations.

As provided in Civil Service Commission Rule 2.6 and Section 4.55 of the Administrative Code, this specification is descriptive, explanatory and not restrictive. It is not intended to declare what all of the duties and responsibilities of any position shall be.

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