



CITY OF HOUSTON

JOB DESCRIPTION

Job Code: 928.2

Job Title: **SENIOR AIRPORT SYSTEMS TECHNICIAN**

Pay Grade: 20

GENERAL SUMMARY:

Performs complex technical work in the maintenance, repair and installation of major electromechanical or telecommunication systems relating to the operation of the airport. Acts as a lead person on complex installation, repair and maintenance projects.

RESPONSIBILITIES:

- Installs, maintains and troubleshoots various electromechanical and telecommunication systems and equipment. Replaces out-of-service equipment, responds to troubleshooting calls and completes repairs in the field.
- Completes work orders and maintains records of repairs, calibrations and tests.
- Enters information into computer to copy program from one electronic component to another, or to draw, modify or store schematics.
- Creates technical reports and develops charts, graphs and schematics to describe and illustrate systems' operating characteristics, malfunctions, deviations from design specifications and functional limitations.
- Monitors and evaluates the system performance of newly installed equipment. Operates test equipment to diagnose, locate and repair system malfunctions.
- Discusses layout and assembly procedures and problems with engineering and telecommunications personnel. Draws sketches to clarify design details and functional criteria of electronic units.
- Recommends changes in circuitry or installation specifications to simplify assembly and maintenance.
- Trains other technicians on complex systems and leads on difficult installations and repairs.
- Assists with the development and maintenance of equipment operating standards and procedures for electromechanical and telecommunication equipment systems.

SPECIFICATIONS:

KNOWLEDGE:

Requires an Associate's degree in electronics, electrical or computer technology, or a related technical degree.

EXPERIENCE:

Three years of experience in the repair, maintenance and installation of electronic and telecommunication equipment are required. A Bachelor's degree in Engineering, Computer Technology or a related technical field may be substituted for the above education requirement and two years of experience. Directly related experience in the maintenance and installation of large electromechanical or telecommunication systems may be substituted for the degree requirement on a year-for-year basis.

SPECIFICATIONS: (continued)

COMPLEXITY:

Work is somewhat complex and varied, and may require the simple interpretation of technical and detailed guidelines, policies and procedures.

IMPACT OF ACTIONS:

Errors in work cause some expense and inconvenience. Work is typically performed under moderate to limited supervision with standard operating procedures. The incumbent functions under general review and at times autonomously, with the supervisor available to answer more difficult questions.

SUPERVISION EXERCISED:

Direct Supervision:

Involves general scheduling and review of work as a "working supervisor" or lead person.

Indirect Supervision:

No indirect reports.

CONTACTS:

Internal Contacts:

Level of internal contact is primarily with professionals and supervisors. Interaction requires moderate tact and cooperation; e.g., scheduling and/or coordinating two personal calendars, resolving problems and/or obtaining necessary information.

External Contacts:

Level of external contact is primarily with lower-level service representatives and vendors. Interaction requires moderate tact and cooperation; e.g., responding to questions which require some research to provide the correct answer.

PHYSICAL EFFORT:

The position involves considerable physical exertion, such as regular climbing of ladders, lifting of heavy objects (up to 80 pounds) on a highly frequent basis and/or assuming awkward positions for long periods of time.

WORK ENVIRONMENT:

There are routine exposures to significant levels of heat, cold, moisture and air pollution. The position may involve periodic exposure to chemical substances and physical trauma of a minor nature such as cuts, bruises and minor burns.

PHYSICAL SKILL:

Requires the ability to make closely coordinated eye/hand movements within very fine tolerance and/or calibration demands; or the ability to make rapid closely coordinated eye/hand movements on a patterned response space within somewhat fine tolerance demands; or the ability to make coordinated eye/hand movements within fine tolerances with large equipment as an extension of the worker.

MISCELLANEOUS:

All duties and responsibilities may not be included in the above job description.

JOB FAMILY:

Airport Systems Technician
Senior Airport Systems Technician

Effective Date: July 2000