



# CITY OF HOUSTON

## JOB DESCRIPTION

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Job Code: 928.1

Job Title: **AIRPORT SYSTEMS TECHNICIAN**

Pay Grade: 17

### **GENERAL SUMMARY:**

Under direct supervision, performs skilled technical work in the maintenance, repair and installation of various electromechanical or telecommunication systems relating to the operation of an airport.

### **RESPONSIBILITIES:**

- Maintains, troubleshoots and installs various electromechanical and telecommunication equipment and systems relating to the operation of an airport.
- Performs preventive maintenance tasks on equipment and systems.
- Completes work orders and maintains equipment records.
- Replaces out of service equipment, responds to troubleshooting calls and completes repairs in the field.
- Operates test equipment to diagnose, locate and repair system malfunctions.
- Assists with the development and maintenance of equipment operating standards and procedures for airport systems.

### **SPECIFICATIONS:**

#### **KNOWLEDGE:**

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

#### **EXPERIENCE:**

Two years of experience in the maintenance and installation of large electromechanical or telecommunication systems are required.

A Bachelor's degree in Engineering, Computer Technology or a related technical field may be substituted for the above education and experience requirement.

Directly related experience in the maintenance and installation of large electromechanical or telecommunication systems may be substituted for the education requirement on a year-to-year basis.

#### **COMPLEXITY:**

Work requires the direct application of a variety of procedures, policies and/or precedents. Moderate analytic ability is required in applying guidelines, policies and procedures, and in adapting standard methods to fit facts and conditions.

#### **IMPACT OF ACTIONS:**

Errors in work cause some expense and inconvenience. Work is typically performed under moderate supervision and within standard operating procedures. The incumbent occasionally can function autonomously, with the supervisor available to answer questions as they arise.

## **SPECIFICATIONS: (continued)**

### **SUPERVISION EXERCISED:**

#### **Direct Supervision:**

No direct report employees.

#### **Indirect Supervision:**

No indirect reports.

### **CONTACTS:**

#### **Internal Contacts:**

Level of internal contact is primarily with professionals and supervisors. Interaction involves routine information exchange and/or simple service activity requiring common courtesy; e.g., answering questions, giving directions in response to simple requests.

#### **External Contacts:**

Level of external contact is primarily with lower-level service representative and vendors. Interaction involves routine information exchange and/or simple service activity that requires common courtesy; e.g., directing calls and answering simple questions.

### **PHYSICAL EFFORT:**

The position involves considerable physical exertion, such as regular climbing of ladders, lifting of heavy objects (up to 80pounds) 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: October 1990*

*Revised Date: July 2000*