

Metropolitan Knoxville Airport Authority Position Description

Airport Systems Technician

Status	Position	Date
NE 7-10 (varies)	Airport Systems Technician	October 2014
Department	Manager/Supervisor	
Operations	Technology Manager/Facility Maintenance Supervisor	

General Description of Major Tasks of Position

Responsible for performing skilled work in the installation, maintenance, and repair of Airport Authority facilities equipment. Including but not limited to electrical, electronic systems, and various other technologies. Responsible for installation, preventive maintenance, troubleshooting and repairs for airport access control system, communication systems, audiovisual systems and other electronic systems for various facilities. Provides work leadership and training to less senior staff.

Tasks of Position	Representative activities as Duties and Responsibilities
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Performs craft skills in performance of responsibilities. [Essential] [50 -70%]

Representative activities include:

Makes repairs to complex technology systems and components working from technical documents, drawings and references. Prioritizes work and project requirements. Installs various communications infrastructure including network cabling, fiber optic cabling and associated peripheral equipment. Responsible for the various runway, taxiway, beacon and other special lighting control and navigational systems at McGhee Tyson Airport and Downtown Island Airport.

Performs Procurement, installation, repair and maintenance. [Essential] [10 – 20%]

Representative duties and responsibilities include:

- Planning, coordinating and recording periodic maintenance and testing of systems
- Program and configure IP addressable equipment
- Install and repair telecom, computer, video, and camera equipment
- Computer networking, switching, peripherals and storage systems
- Various Software and hardware installation
- Access Control Systems
- Audio and video surveillance systems

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- ❑ Physical security equipment and systems
- ❑ RWIS-Runway Weather Information Systems
- ❑ Facility Management and Control Systems
- ❑ Land Mobile Radio Systems
- ❑ Commercial Wireless Voice & Data Systems
- ❑ Public Address Systems
- ❑ Flight / Baggage Information Systems
- ❑ Lighting & Energy Management Systems
- ❑ Audiovisual presentation systems
- ❑ Shared Tenant Services Tele-Data Systems
- ❑ Commercial Television/Radio Broadcast support equipment

Operates airport vehicles in completion of activities. [Essential] [5-10%]

Representative activities include:

Drives to various vendors for parts and supplies. Travels to remote work sites for electrical work on buildings, towers and lighting.

Minimum Educational and Work Qualifications

High school graduation or GED equivalent, plus eight to ten years work experience and/or associates degree plus four to six years applicable work experience. Must have demonstrated skill and knowledge of electrical and electronic theory systems and electrical and electronic repair. Industry recognized certifications required. Recurring industry training and certification and applicable professional development is required. Current Cisco certified training, networking architecture, web development, and Microsoft certified training is preferred. A valid Tennessee Commercial Drivers License is required within 6 months of date of hire.

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Environmental and Working Conditions

Job is performed primarily outside in a variety of climates. Occasional direct contact with adverse weather conditions. Requires constant movement from one work location to another over uneven or inconsistent surfaces. Frequent standing tolerance with bending, twisting, stooping, crawling and climbing with occasional overhead reach required. Occasional lifting up to 50 pounds unassisted. Job requires the ability to effectively communicate over a two-way radio. Must be able to discern colors as required to distinguish color-coded electrical wiring and light-gun signals from the FAA control tower. May be exposed to electrical shock hazard. Must wear safety shoes and safety glasses when directed. Requires occasional climbing of ladders and towers up to 150 feet. May be assigned to variety of working hours as needed and or on-call status. May be assigned to Airport Operations Snow and Ice Control Team.

Printed Name of Employee

Signature of Employee

Signature of Manager

Key Performance Variables and Factors

1. **Achievement Orientation** - Personal efforts toward accomplishment of individual and business unit goals and customer service. Degree to which incumbent seeks additional responsibility and personal growth, establishes own standards of excellence, presents a results orientation, and displays a sense of responsibility.
2. **Job Knowledge** - Understanding of job-related requirements, techniques, methods and procedures. Degree to which incumbent demonstrates training and experience. Extent to which employee improves skills by keeping abreast of changes in techniques and related developments.
3. **Productivity** - Personal efforts toward quality and quantity of work performed. Consider the amount of work, accuracy of results, thoroughness, use of time, amount of supervision required, errors, and completeness.
4. **Attendance** - Evaluate availability for work. Degree to which employee displays responsibility to be at work as scheduled. Evaluate causes of absences as well as frequency and severity.
5. **Communication/Interaction Skills** - Ability to communicate effectively with others as required and the quality of day to day communication interaction required with other employees and customers.
6. **Safety Commitment** - Extent to which employee works safely and observes safety rules, regulations and practices, and shows interest and concern for Airport Authority's commitment to a safe and clean working environment for all employees.
7. **Quality Commitment** - Extent to which an employee is committed to pursuit of excellence in all aspects of position responsibilities including: service and commitment to customers, support of Airport Authority's goals and customer service, objectives, policies, procedures, practices, and training.
8. **Teamwork** - Contribution and performance in team and/or committee situations. Contributions to innovation, creativity, communication, consensus building team derived solutions to continuing problem solving and improvement processes.