



<b>JOB TITLE</b>	Aircraft Maintenance Technician - Avionics	
<b>DEPARTMENT</b>	Maintenance	
<b>REPORTS TO</b>	Lead Mechanic	
<b>STATUS</b>	<input type="checkbox"/> Exempt	<input checked="" type="checkbox"/> Non-Exempt

**JOB PURPOSE**

To perform inspections, replacement, troubleshooting and fabrication of aircraft avionics systems, parts and assemblies

**ESSENTIAL DUTIES AND RESPONSIBILITIES**

Proper completion of all paperwork related to the assigned task

Providing information to the Lead Mechanic for shift turnovers, and entering information on the shift turnover form in the absence of the Lead Mechanic

Notify Inspection when task requires, or becomes an RII action

Segregate and identify upon removal, all repair station/customer components

Possess and maintain an adequate number and quality of tools necessary to perform assigned tasks

Ensure all tools are accounted for and/or returned to the tool room at shift's end

Performance of assigned tasks in accordance with job cards, engineering orders, maintenance manuals and other approved documents

Set up and operate ground support and test equipment to perform functional flight tests of electrical and electronic systems

Coordinate work with that of engineers, technicians and other aircraft maintenance personnel.

Interpret flight test data to diagnose malfunctions and systemic performance problems

Install electrical and electronic components, assemblies and systems in aircraft using hand tools, power tools or soldering irons

Adjust or replace malfunctioning components or assemblies

Connect components to assemblies such as radio systems, instruments, magnetos, inverters and in-flight refueling systems, using hand tools and soldering irons

Assemble components such as switches, electrical controls and junction boxes using hand tools or soldering irons

Fabricate parts and test aids as required

Perform additional duties as assigned.

## **REQUIRED SKILLS AND ABILITIES**

**Physical:** While performing maintenance on an aircraft, employees must be able to balance, bend, stoop, crawl, climb, climb stairs, crouch, carry items up to 50 pounds, grasp, kneel, lift items 50 pounds or over, pull hand over hand, push, reach above shoulder, use repetitive motion, sit on average 2 hours per day, stand on average 8 hours per day, walk on average 6 hours per day, possess the ability to see and follow precise instructions, documents, diagrams, or blueprints, to distinguish color differences, to see and read information via computer screen or other electronic device, to detect distinct, specific noises, to hear if equipment/tools, etc. are operating properly, to hear and understand precise directions, to hear and understand what others are saying in normal conversation.

**Mental:** While performing maintenance on an aircraft, employees must be able to understand, remember, and apply complex oral and/or written instructions or other information, to organize thoughts and ideas into understandable terminology or data, to make decisions which have significant impact on the immediate work unit and monitor impact outside immediate work unit.

**Communication:** While performing maintenance on an aircraft, employees must be able to read, write, speak, and understand the English language, to understand and follow complex instructions and guidelines, to complete complex forms, documents or reports, and/or conduct complex oral communication with others,

To perform accurate and quality work, employees must possess and demonstrate mechanical and analytical aptitude, effectively communicate both orally and in writing, be flexible and cooperative, meet tight deadlines, possess attention to detail, have the ability to work productively within a diverse work environment, and be safety conscious.

## **WORKING CONDITIONS**

Combination of inside and outside with changing climate conditions

Moderate to high noise level

Low to moderate risk for exposure to hazardous chemicals, vapors, or materials

Work in confined spaces and at varied heights

## **MINIMUM QUALIFICATIONS**

Education in aircraft avionics through programs including but not limited to A&P curriculum or other certified aircraft training programs such as military training.

Experience required ranging from apprenticeship level and above, depending on current business needs. OSHA training and Hazardous Waste Materials training a plus.

Demonstrated ability to use wire strippers, crimp tools, insertion/extraction tools, voltmeters and various test equipment relevant to avionics.

Demonstrated ability to read/interpret schematic and circuit diagrams; troubleshoot as required for aircraft systems and assemblies.

Knowledge of AMMs, IPCs, SWPs and WDMs.

*This job description is not an employment contract, implied or otherwise. The requirements described above are representative and a summary of those that must be met in order to successfully perform the essential functions of this job. The list is not all-inclusive and are subject to change upon business necessity. The requirements are subject to change to reasonably accommodate qualified disabled individuals.*