# Position Description

The employee is expected to adhere to all Company policies, procedures, and regulations.

**Manager to complete HR to complete**

**Date:** Sept 2021

**Position Title:** Avionics Electrician/Mechanic 1

**Reports to:** Manager, Maintenance Operations

**Department:** Maintenance

**Location**: Mobile, AL

**Grade:**

**Position Code:**

**FLSA Status:** Non-exempt

**EEOC Classification:** Craft Worker

**Siglum:**  ADSMA

**Position Summary:** To conduct, maintain, test and repair electrical/electronic systems and components in accordance with the repair stations, FAA’s and manufacturer’s airworthiness and maintenance standards.

**Primary Responsibilities:**

* Perform maintenance in accordance with FAA approved data and to the standards of good workmanship as required by Airbus DS Military Aircraft, Inc.
* Keep safety of flight in the forefront at all times in the production of an airworthy product.
* Perform routine or special maintenance inspections to prevent failure of aircraft electrical and avionics systems and components; perform complete operational and functional checks on navigation, communication and flight control systems including instrumentation and pitot static installations, etc.
* Fabricate wiring harnesses, installs/modifies avionic and electrical systems.
* Able to distinguish when a component should be repaired or replaced; conduct necessary repair schemes and identify quantity and type of parts needed to accomplish proper repair.
* Follow approved maintenance procedures, consulting internal procedures and technical data FAA approved.
* Perform serviceability tests on repaired components/systems using test equipment specified by the original equipment manufacturer.
* Complete work package documentation with oversight and sign off after finishing all designated operations.
* Perform installation of avionic equipment.
* Interpret avionic/electrical wiring diagrams, wire identification, harness fabrication, wiring and cable integrity, coax cables and fittings and connector assemblies.
* Identify malfunctioning components or assemblies, using hand tools and soldering equipment.
* Install electrical and electronic components, assemblies, and systems in aircraft, using hand tools, power tools, and soldering equipment.
* Interpret flight test data to diagnose malfunctions and systemic performance problems.
* Set up and operate ground support and test equipment to perform functional test of electrical and electronic systems.
* Troubleshoot, repair, rework, and modify worn or defective assemblies, components or systems.
* Plan and perform work requiring a thorough knowledge of electrical/electronic and mechanical theories and principles, specifications, local and national electrical codes, properties of various materials, and principles of operation and application of electronic equipment.
* Advise operators and line mechanics of operation procedures and requirements for working safely with electrical/electronic and mechanical equipment and components.
* Inform appropriate management and line mechanics of potential electrical/ mechanical problems and inherent dangers involved.
* Perform preventive maintenance functions as directed.
* Assist maintenance personnel with technical troubleshooting.
* Assist and train other maintenance and/or other technical level employees.
* Maintain all hangar and shop tools and equipment in a serviceable condition.
* Ensure assigned work area is kept clean and free of hazards to both personnel and the aircraft.
* Follow all necessary safety precautions; hearing and eye protection, use of chemicals, engine and propeller hazards, fall protection, etc.
* Comply with OSHA Safety Regulations.
* Participate in on-the-job training as required.
* Observe safety procedures and personnel policies.
* Regular attendance required as outlined in company policy.
* Act as a positive role model in all aspects of daily performance.
* Perform other duties as assigned by the Maintenance Supervisor.

**Additional Responsibilities:**

**Education and Experience:**

* High School Diploma or its equivalent required.
* Minimum 2-5 years of experience in an electrical aviation environment. Must be able to demonstrate this level of proficiency.
* Proficiency with interpretation of avionic/electrical wiring diagrams, wire identification, harness fabrication, cables, fittings, circuits and connectors.
* Basic knowledge of electrical/ electronic components and equipment including the use of standard instruments for diagnostic purposes.
* Able to inspect and install digital avionics equipment with minimal oversight.
* Able to work efficiently while ensuring quality of work.
* While performing the duties of this position, the employee is regularly required to stand; use hands and fingers to handle or feel, talk or hear and have good visual abilities.
* Will often be required to sit, climb or balance and work in close quarters.
* Must be able to work well with all levels of personnel whether individually or in a team environment.
* High degree of precision working with minimum tolerances required.
* Must be safety conscious at all times.
* Able to lift or help lift up to 50 lbs.
* Noise level may be loud at times.
* Previous experience on turbo prop aircraft preferred.
* Must understand, read and write proficiently in the English language to read and understand appropriate manuals, schematics, and technical information necessary to adequately perform duties.
* Prior avionics experience is required.
* Prior experience in aircraft maintenance required.
* Familiar with turbo prop aircraft is a plus.

**Licensure/Certifications:**

* Certified by FAA with a current Airframe and Power Plant Mechanic license is a plus.
* FCC license is not required; but is a plus.

**Communication Skills (Spoken, Written, Influencing, Proficiency in Other Languages):**

* Fluent English language (written and spoken) is required; bilingual in Spanish is not required, but a plus.

**Travel Required:**

* 10% Potential Domestic and International travel.

**Eligibility:**

* Authorized to Work in the US

**Physical Requirements:**

Sitting, Standing, Squatting/Kneeling, Walking, Speaking, Hearing, Vision, Manual Dexterity, may work in confined spaces.

**Equal Opportunity:** Airbus DS is committed to creating a diverse environment and is proud to be an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status. Airbus DS is also committed to compliance with all fair employment practices regarding citizenship and immigration status.

As a leader in our field, Airbus DS provides relocation assistance for qualified positions and a comprehensive compensation and benefits package.

As a matter of policy, Airbus DS does not sponsor visas for US positions unless specified. Only applicants with current work authorization will be considered.

Airbus DS does not offer tenured or guaranteed employment. Employment with Airbus DS is at will, meaning either the company or the employee can terminate the employment relationship at any time, with or without cause, with or without notice.

**Position Description Approval**

**Department Approval: Date:**

**HR Approval: Date:**