



## AIRFRAME AND POWERPLANT MECHANIC WITH INSPECTION AUTHORIZATION

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### **Job Responsibilities**

- The basic functions of the holder of an inspection authorization (IA) are set forth in Title 14 of the Code of Federal Regulations (14 CFR) part 65, § 65.95. Except for aircraft maintained in accordance with a Continuous Airworthiness Maintenance Program under part 121, an IA may inspect and approve for return to service any aircraft or related part or appliance after a major repair or major alteration. Also, the holder of an IA may perform an annual inspection and he or she may supervise or perform a progressive inspection. As laid out under the Inspection Authorization Information Guide FAA Form (FAA -G-8082-19).
- Inspecting work done by technicians to ensure that the work conforms to specifications as required. Assuring the accuracy and completeness of all work order related documentation.
- Determining the serviceability of repaired articles and signing the maintenance release form if articles are determined to be serviceable. Assisting in the development and maintenance of Fulcrum process specifications and overhaul or repair inspection records.
- Researching new part numbers, ADs, and airworthiness limitations on customer aircraft and other articles to ensure the status program is current with the FAA, manufacturer, and Fulcrum requirements.
- Assisting with the data entry of component changes, completed technical directives, aircraft modifications, etc., that affect the status report. Building up aircraft status reports as directed.
- Performing weight and balance functions when required. Ensuring calibration of precision tools as required.
- Ensuring parts are properly tagged and identified. Performs in-process inspections prior to proceeding to next steps of the project.
- Ensure and enforce Quality Control and safety standards. Fully participate in and support the Fulcrum Concepts Quality Management System.
- Read and interpret manufacturers' and airline's maintenance manuals, service bulletins, technical data, engineering data, and other specifications to determine feasibility and method of repairing or replacing malfunctioning or damaged components.
- Ensures proper troubleshooting, maintenance and repair techniques are adhered to within the manufacturer's maintenance manuals. Regularly inspects and evaluates products for quality and defects.
- Assists engineers with tasks related to development, construction, and evaluation of prototypes, new products, operations, and/or procedures.

*Give me a lever long enough, and a fulcrum on which to place it, and I shall move the world - Archimedes*

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- Drafts and maintains production logs, inventories, documentation, and reports including those outlining procedures, batch records, inventory, productivity, changeover, and progress. Enter in the maintenance records description of the work performed and verifies the work was performed satisfactorily.
- Assists with test engine operation, using testing equipment, as required. Repairing or replacing defective engine parts and reassembles and installs engine in aircraft. Supervise the jacking and towing of aircraft.
- Ensures compliance with health and safety laws, regulations, and best practices. Performs other duties as assigned by supervisor.

### **Physical Requirements**

- Ability to lift and carry up to 50lbs
- May be necessary to stand for long periods of time
- Ability to sit, stand, crawl, climb ladders, and work in tight spaces as required

### **Knowledge Skills and Abilities and Experience**

- Minimum three (3) years actual and recent aircraft structural maintenance / repair experience is required
- Inspector Authorization is required
- Knowledge and use of special tools/equipment required to perform assigned maintenance tasks is mandatory
- Must be able to meet physical requirements associated with and/or pass any medical examination requirements related to performing daily assigned tasks
- Must be able to speak, read, write, and understand English
- Same qualifications as Production Manager
- Performs Duties in Repair Station and Production
- Demonstrate abilities of leadership and to train employees in the performance of duties in area of specialization
- The ability to handle multiple tasks, prioritize and organize effectively
- Need a keen attention to details and excellent communication skills
- In-depth experience in aviation maintenance and people management are critical factors
- Self-driven with a strong sense of urgency, demonstrates initiative and able to multitask and adapt to changing priorities
- Experience with management record keeping programs
- Must be familiar with FAA regulations and requirements



### **Additional skills that are not required but beneficial include:**

- Proficient in Microsoft Office applications (e.g., Word, PowerPoint, Excel, and Outlook)
- Must be able to perform inspections, services, troubleshooting and tow aircraft. Trained and licensed to operate pertinent AGSE and MHE
- Customizing and fabricating experience preferred. Rotary Wing experience preferred

### **Security Clearance Requirement**

- Subject to a security investigation and may need to meet eligibility requirements for access to classified information and a SECRET, TS, or TS/SCI clearance may be required as well.

### **Education**

- Bachelor's Degree or 5 + years of manufacturing, quality assurance and maintenance experience in the aerospace industry, or associate degree with at least 5 years' experience in aluminum manufacturing or at least 10 years overall experience managing production
- Must have completed military aviation maintenance training or aviation maintenance technical school curriculum and possess an FAA issued A&P license with IA

### **Benefits include:**

- 401(k) Safe Harbor Savings Plan
- Medical, Dental, and Vision Insurance Plans
- Short and Long Term and Disability
- Vacation and Sick Leave Packages
- 13 Paid Holidays each year
- 9/80 Work Schedule

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*The assigned personnel are responsible for the listed duties and responsibilities plus any other direction and responsibilities assigned by the Managing Members.*

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Fulcrum Concepts, LLC is a service disabled, veteran-owned, small business that provides innovative services and products to solve requirements for its customers. Fulcrum Concepts, LLC specializes in solutions for tactical aviation organizations and is structured to provide comprehensive solutions that begin with an initial requirement and end with fielded products. At Fulcrum Concepts, the unique combination of operational experience and a robust aerospace engineering capability enable the company to provide elegant, lightweight, enduring solutions for its customers.

Fulcrum Concepts, LLC provides equal employment opportunities (EEO) to all employees and applicants for employment without regard to race, color, religion, sex, national origin, age, disability, or genetics. In addition to federal law requirements, Fulcrum Concepts, LLC complies with applicable state and local laws governing nondiscrimination in employment. This policy applies to all terms and conditions of employment, including recruiting, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation, and training.

