

Class Concept

This is supervisory work in the inspection, maintenance, modification, and repair of airframes, power plants and related systems for fixed wing and/or rotary wing aircraft. Positions develop, establish, revise and monitor unit work standards, goals and priorities. Work includes adjusting unit work assignments, workload balance methods and procedures, maintaining spare parts and operating supplies inventory, and overseeing the completion of all necessary reports and records associated with the inspection and repair of aircraft. Work also includes supervising and participating in major reciprocating and turbine engine overhauls, major airframe repairs and modifications, developing and building jigs and special tools, reviewing and implementing FAA airworthiness directives and maintenance bulletins, researching files and maintenance manuals, and making decisions on borderline cases or vague instructions. Position may also fly aircraft on test flights and inspect major repair work as an FAA certified inspector.

Recruitment Standards

Knowledge, Skills, and Abilities

- Thorough knowledge of the principles of operation and the maintenance and repair requirements of reciprocating and turbine aircraft engines and their related systems.
- Thorough knowledge of airframe construction, repair and rigging.
- Working knowledge of the tools, equipment and methods used in the inspection, maintenance and repair of aircraft.
- Working knowledge of Federal Aviation Administration rules and regulations concerning aircraft inspection and repair.
- Working knowledge and ability to use personal computers.
- Ability to supervise, evaluate and review the work of subordinates.
- Ability to troubleshoot technical problems and to plan and direct repairs.
- Ability to read and interpret technical manuals and bulletins, and to keep accurate records of work performed.
- Ability to use measuring instruments and tools used in aircraft repair.
- Ability to communicate effectively with subordinates, pilots, other agency personnel and the general public.

Minimum Education and Experience

Graduation from an FAA approved aviation maintenance technician school and three years of experience in aircraft inspection, maintenance and repair; or

High school or General Educational Development (GED) diploma and five years of related experience; or an equivalent combination of training and experience.

Necessary Special Requirements

- Possession of a valid FAA Airframe and Powerplant license.
- Possession of a valid FAA Inspection Authorization certificate.
- Preferable other requirements include an FAA pilot license and an FCC Radiotelephone Operator's License, third class.
- May require current certification by the EPA as a type I, II, III or Universal technician as required by CFR part 82, subpart F.