

AIRCRAFT MECHANIC

DEFINITION: Under general supervision, performs work of moderate difficulty in performing and supervising minor maintenance or alteration of aircrafts to ensure airworthiness; performs related work as assigned.

ESSENTIAL FUNCTIONS: This list is ILLUSTRATIVE ONLY and is not a comprehensive listing of all functions and tasks performed by incumbent of this class.

TASKS:

Performs Phase I, II, III and IV aircraft inspection intervals in accordance with aircraft manufacturer procedures and the Federal Aviation Administration (FAA); repairs, replaces and assembles parts, such as wings, fuselage, tail assembly, landing gear, control cables, propeller assembly, fuel and oil tanks; consults manufacturers' manuals and aircraft maintenance manual for specifications and to determine feasibility of repair or replacement according to malfunction; examines engines for cracked cylinders, oil leaks and listens to detect sounds of malfunctioning; inspects and services aircraft engines; inspects turbine blades to detect cracks or breaks; tests engine operation to verify safe operation; replaces or repairs damaged components; disassembles and inspects parts for wear, warping or other defects.

Repairs or replaces defective airframe and engine parts; reassembles and installs part in aircraft; repairs and calibrates electrical system and aircraft accessories and instruments; inspects, services and repairs hydraulic systems; performs phase inspections in accordance with Federal Aviation regulations on power plant, propeller, airframe, or any part thereof and approves and returns it to service; performs miscellaneous duties to service aircraft, including turbine wash, cleaning screens, lubrication of parts and servicing brakes; performs both scheduled and non-scheduled maintenance on aircraft; locates and purchases parts necessary to repair aircraft; maintains log books; researches and complies with airworthiness directives and air service bulletins in accordance with Federal Aviation regulations.

KNOWLEDGE, SKILLS AND OTHER CHARACTERISTICS:

Knowledge of principles concerning the installation and maintenance of aircrafts.
Knowledge of mechanical parts of a variety of aircraft equipment.
Knowledge of FAA regulations concerning inspection, maintenance and repair of aircraft.
Knowledge of inspecting aircrafts, locating and diagnosing mechanical, electrical, hydraulics, structural and other trouble.
Knowledge of maintaining, repairing and overhauling components, airframes, accessories and engines.
Ability to make satisfactory minor repairs to, and minor alterations of aircraft appropriate to airframe and power plant ratings.
Ability to inspect according to safety standards for returning aircraft to service after minor repairs and minor alterations.
Ability to read and interpret blueprints and technical publications.

PHYSICAL REQUIREMENTS AND WORK ENVIRONMENT: Work requires flexible hours working within the flight schedules and with the public; working in noisy environment with exposure to all types of weather conditions and toxic fumes. Work requires the ability to lift 50 lb. objects, the flexibility to bend over and work on knees when required.

MINIMUM QUALIFICATIONS: Graduation from a certified Airframe and Powerplant technical school; or three (3) years of practical experience inspecting and maintaining high performance civilian aircrafts; or

THE NAVAJO NATION

Class Code: 4092
General Services and Maintenance Series
Aircraft Pilot and Service Group
Overtime Code: Non-Exempt
Pay Grade: 61

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an equivalent combination of education, training and experience which provides the capabilities to perform the described duties.

SPECIAL REQUIREMENTS: Must possess an FAA Airframe & Powerplant Technician License (A&P).

Depending upon the needs of the Nation, some incumbents of the class may be required to demonstrate fluency in both the Navajo and English languages as a condition of employment.