

CLASSIFICATION SPECIFICATION

FLSA:	NEXP	Job Code:	ACV34804
Job Class Code:	810	Salary Schedule:	AREG
EEO Category:	07	Grade:	18
Workers Comp Code:	8380		

Job Code Established:	04/05/91	Effective Date:	
Job Code Revised:		Effective Date:	

JOB CODE SERIES: Equipment Maintenance and Repair Series

JOB CODE TITLE: AIRCRAFT MECHANIC I

HRIS TITLE: AIRCRAFT MECHANIC I

CHARACTERISTICS OF THE CLASS: Works under the general supervision of the Wildlife Aircraft Operations Supervisor; work with minimal instruction and guidance. Has the authority to schedule and make aircraft maintenance inspections and repairs; ground aircraft due to maintenance problems; purchase parts for aircraft repair up to \$500. Performs general aircraft maintenance to include 25-, 50-, and 100-hour and annual inspections, engine repair and replacement, and airframe repair; schedules aircraft maintenance, making appropriate entries in aircraft logbooks; writes service orders. Responsible for maintaining aircraft in an airworthy condition in accordance with all department and FAA rules and regulations; maintaining adequate aircraft tools, equipment, and parts inventory. Work product consists of completed repairs, modifications, maintenance, and inspections in time allowed and aircraft returned to airworthy condition according to department and FAA standards; completed aircraft maintenance records and aircraft logbooks.

EXAMPLES OF DUTIES: Performs non-flight operation to move, service, test and secure aircraft. Inspects, cleans, removes, disassembles, rebuilds and repairs aircraft components. Cleans, adjusts, and replaces control cables. Removes and reinstalls instruments. Check quality of fuels and oils relative to maintenance requirements. Consults with supervisor on maintenance and inspection items. Repairs, modifies, repaints and refinishes aircraft bodies. Rides with pilots to observe and record findings of test flights; makes repairs and modifications as result of test flight findings; troubleshoots pilot complaints. Completes preflight inspection as required by manufacturers; completes 25-, 50-, and 100-hour and annual inspections and may make other inspections. Approves and returns aircraft to service after repairs and/or modifications. Keeps maintenance logs and other records and required by the manufacturer and/or the department. Completes overhaul of aircraft components in accordance with manufacturer's manual and returns component to airworthy condition when completed. Monitors all personnel in the area of operating aircraft to maintain a safe operating condition. Rigs and adjusts subsystems such as fuel linkage and flight controls. Schedules, when conditions warrant, the servicing, repairing, and completion of modifications on aircraft, including engines, to ensure airworthiness. Tests engine operation using test equipment to locate the source of malfunction. Replaces worn and/or damaged components. Adjusts and repairs electrical wiring systems and aircraft accessories and instruments. Assists other personnel in such operations as removal and replacement of engines. Removes and/or dismantles aircraft using hoist or other lifting devices. Repairs aircraft away from normal base due to emergency landing or other unusual conditions. Performs aircraft cleaning. Lubricates all component parts; drains and cleans oil filters. Performs related work as required.

WORK CONDITIONS: May require lifting 70 pounds or more occasionally and other strenuous work. May require extensive exposure to lubricants, hydraulic fluid, dirt, chemical fumes and aviation fuel exhaust fumes.

KNOWLEDGE, SKILLS AND ABILITIES:

Knowledge of: inspecting aircraft, locating and diagnosing mechanical, electrical, hydraulics, structural, and other trouble and of maintaining, repairing, and overhauling components, airframes, accessories, and engines; operation and preventive maintenance requirements of fixed-wing aircraft; occupational hazards involved in shop and field aircraft maintenance and repair and appropriate safety precautions; Federal Aviation Administration (FAA) regulations concerning inspection, maintenance, and repair of aircraft; welding and brazing procedures for airplane repair and modifications; information concerning operating, maintenance and repair problems.

Skill/Ability to: use of tools, equipment, materials, and methods of the aircraft mechanic trade; interpretation of mechanical, electrical and schematic diagrams and complex technical instructions; troubleshooting pilot complaints.

Experience and Education: Typical ways to obtain the KSAs would be:

- Three years of experience maintaining fixed-wing aircraft including major and minor overhaul to return aircraft to flight status.
- Any combination of training and experience that meet the knowledge, skills, and abilities (KSAs) may be substituted.

SPECIAL SELECTION FACTORS: Possession of a valid FAA airframe and power plant mechanic's certificate. Must possess a valid Arizona driver's license at a level appropriate to the position/assignment.

Must pass a medical/physical evaluation prior to appointment.