RESTORATION TECHNICIAN

Job Description

FLSA STATUS: Non-Exempt
CLASS: Full-Time; Benefit Eligible/Class 2
WAGE RANGE: 60 ($12.50 Min; $15.00 Mid; $18.00 Max)
DEPARTMENT: Restoration
DEPARTMENT #: 601
REPORTS TO: Director of Collections and Restoration
PREPARED BY: Mark Renfro, Human Resources Manager
APPROVED BY: Scott Marchand, Director of Collections and Restoration
APPROVAL DATE: 03/26/2014

SUMMARY:

To assist in accomplishing the goals and objectives of the Foundation through assigned duties in the Aircraft Restoration Department, principally: assembling, conditioning, cleaning, painting, and repairing aircraft, as well as other mechanical artifacts for the purpose of static display.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Assemble, install, and connect parts, fittings, and assemblies on aircraft, using layout tools, hand tools, power tools, and fasteners such as bolts, screws, rivets, and clamps.

- Position and align subassemblies in jigs or fixtures, using measuring instruments and following blueprint lines and index points.

- Cut, trim, file, bend, and smooth parts, and verify sizes and fitting tolerances in order to ensure proper fit and clearance of parts.

- Read and interpret blueprints, illustrations, and specifications to determine layouts, sequences of operations, or identities and relationships of parts.

- Align, fit, assemble, connect, or install system components, using jigs, fixtures, measuring instruments, hand tools, or power tools.

- Join structural assemblies, such as wings, tails, or fuselage.
• Layout and mark reference points and locations for installation of parts or components, using jigs, templates, or measuring and marking instruments.

• Select paint according to company requirements, and match colors of paint following specified color charts.

• Mix paints to match color specifications or vehicles' original colors, then stir and thin the paints, using spatulas or power mixing equipment.

• Remove grease, dirt, paint, or rust from vehicle surfaces in preparation for paint application, using abrasives, solvents, brushes, blowtorches, washing tanks, or sandblasters.

• Pour paint into spray guns and adjust nozzles and paint mixes for proper paint flow and coating thickness.

• Monitor painting operations to identify flaws, such as blisters or streaks, and correct their causes.

• Sand vehicle surfaces between coats of paint or primer to remove flaws and enhance adhesion for subsequent coats.

• Disassemble, clean, and reassemble sprayers and power equipment, using solvents, wire brushes, and cloths for cleaning duties.

• Spray prepared surfaces with specified amounts of primers and decorative or finish coatings.

• Maintain aircraft tires and tie-downs by adequate upkeep and maintenance.

• Apply graphics to aircraft and paint other equipment, display items and miscellaneous Foundation assets as directed.

• Clean and maintain the Restoration hangar and outdoor aircraft storage areas, as needed.

• Be responsible for safe use and proper repair of all equipment pertaining to your area and for the safe handling and application of all related materials, including knowledge of applicable Material Safety Data Sheet information.

• Appropriately pack and stock items pertaining to your area and ensure that MSDS information is filed and available at the facility "Right to Know” center.

• Be familiar with all areas of the facility to enable quick safety response and render assistance.
• Watch the facility for theft, vandalism, and any other problems that may arise and report such problems to the Restoration Supervisor, MOD, or any one at the Museum Store.

• Monitor and maintain the overall appearance of the areas under your control.

• Other duties as assigned.

REQUIREMENTS AND PREFERENCES:

• 3-5 years comparable experience in any manufacturing, mechanical, or fabrication industry

• Relevant Aviation Industry licenses/credentials preferred, but not required

• Experience with metal fabrication equipment preferred, but not required

• Experience with paint spray systems and materials preferred, but not required

• Experience with welding, casting and other metal working techniques.

• Standing for up to 4 hours continuously

• Familiarity with forklift operation and tug and boom lift equipment

• Ability to read and understand technical manuals & drawings

• Valid Driver’s License

• Experience with some specialized tools

Skills

• Monitoring — Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.

• Operation and Control — Controlling operations of equipment or systems.

• Active Listening — Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.

• Operation Monitoring — Watching gauges, dials, or other indicators to make sure a machine is working properly.

• Speaking — Talking to others to convey information effectively.

Abilities
• **Visual Color Discrimination** — The ability to match or detect differences between colors, including shades of color and brightness.

• **Arm-Hand Steadiness** — The ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position.

• **Trunk Strength** — The ability to use your abdominal and lower back muscles to support part of the body repeatedly or continuously over time without 'giving out' or fatiguing.

• **Manual Dexterity** — The ability to quickly move your hand, your hand together with your arm, or your two hands to grasp, manipulate, or assemble objects.

• **Near Vision** — The ability to see details at close range (within a few feet of the observer).

• **Extent Flexibility** — The ability to bend, stretch, twist, or reach with your body, arms, and/or legs.

• **Finger Dexterity** — The ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects.

• **Control Precision** — The ability to quickly and repeatedly adjust the controls of a machine or a vehicle to exact positions.

• **Multi-limb Coordination** — The ability to coordinate two or more limbs (for example, two arms, two legs, or one leg and one arm) while sitting, standing, or lying down. It does not involve performing the activities while the whole body is in motion.

• **Speech Recognition** — The ability to identify and understand the speech of another person.

**Work Activities**

• **Handling and Moving Objects** — Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.

• **Performing General Physical Activities** — Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.

• **Communicating with Supervisors, Peers, or Subordinates** — Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.
• **Inspecting Equipment, Structures, or Material** — Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.

• **Getting Information** — Observing, receiving, and otherwise obtaining information from all relevant sources.

• **Repairing and Maintaining Mechanical Equipment** — Servicing, repairing, adjusting, and testing machines, devices, moving parts, and equipment that operate primarily on the basis of mechanical (not electronic) principles.

• **Updating and Using Relevant Knowledge** — Keeping up-to-date technically and applying new knowledge to your job.

• **Controlling Machines and Processes** — Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).

• **Establishing and Maintaining Interpersonal Relationships** — Developing constructive and cooperative working relationships with others, and maintaining them over time.

• **Operating Vehicles, Mechanized Devices, or Equipment** — Running, maneuvering, or driving vehicles or mechanized equipment, such as tugs, forklifts, passenger vehicles.

Management retains the discretion to add to or change the description at any time.

_Disclaimer_ Job descriptions are not intended, and should not be construed, to be exhaustive lists of all responsibilities, skills and efforts. They are not intended to form contractual relationships between the employee and the organization but are intended to be a reflection of the primary elements of a specific job, including but not limited to the essential functions.

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Employee Signature

__________________________
Date