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Maintenance

AIRCRAFT MAINTENANCE PAINT PROGRAM

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction tailors procedures, organizes, directs, and manages the Wing/Group Aircraft Maintenance Paint Program. It implements AFD 21-1, *Managing Aerospace Equipment Maintenance*, AFI 21-101, *Maintenance Management of Aircraft*, AFI 21-105, *Aerospace Equipment Structural Maintenance*, AFRCI 21-101, *Aircraft Maintenance Guidance and Procedures*, AFRC Supplement to AFTO 1-1-4, 1-1-691, 1-1-8, 1-1-689, 35-1-3, 42A-1-1 and the applicable weapon system specific -3/-23 technical order. This instruction applies to all maintenance activities in the 301 Logistics Group (LG), 301 Maintenance Squadron (MXS), 457FS Flying Squadron Maintenance (FSM).

1. LG and MXS Commanders Will:

1.1. Ensure applicable programming documents (Budget, Facilities, Manpower, Maintenance, etc.) for the requirements for Aircraft Maintenance Painting.

2. Structural Maintenance (SM) Will:

- 2.1. Ensure personnel involved in the painting procedure are familiar with pertinent directives.
- 2.2. Cover all aircraft canopies in the hangar with plastic sheeting prior to paint operations.
- 2.3. Ensure painting personnel wear approved protective clothing and properly fitted respirators/hoods.
- 2.4. Ensure the two man concept is always used and that personnel engaged in the paint process have current medical examinations.
- 2.5. Ensure the hangar is totally vacated and a safety observer is posted at the painting operation site.
- 2.6. Ensure the proper use of maintenance stands or other off ground equipment.
- 2.7. Ensure all Powered and Non-powered Aerospace Ground Equipment is inspected and the "prior to use" inspection, signed off when applicable.

- 2.8. Ensure personnel are instructed in the proper disposal of Hazardous Waste Materials.
- 2.9. Ensure floor fans are placed in front of the aircraft hangar entry door and at the rear utility roll-up door, when needed.
- 2.10. Ensure paint operation area is cleaned and all waste materials properly disposed of after the painting task.

3. FSM Will:

- 3.1. Ensure aircraft is full of fuel.
- 3.2. Accomplish hangar entry checklist.
- 3.3. Ground aircraft.
- 3.4. Accomplish safe for maintenance inspection on aircraft.

4. Plans and Scheduling Will:

- 4.1. Coordinate the scheduling of any paint operation with Structural Maintenance or the Fabrication Flight Chief.

5. Quality Assurance Will:

- 5.1. Periodically monitor paint operations and ensure the following requirements are met, as a minimum:
 - 5.1.1. Only qualified products and equipment are used.
 - 5.1.2. The aircraft is taped and prepared properly.
 - 5.1.3. Assigned painters are properly trained and qualified.
 - 5.1.4. Cleanup is accomplished of the task area upon completion of work.
 - 5.1.5. AFTO Form 781a, **Maintenance Discrepancy and Work Document**, is properly documented.

6. Training/Certification:

- 6.1. The following training and physical requirements will be accomplished, and are prerequisites prior to painting:
 - 6.1.1. Respirator Training.
 - 6.1.2. Cardiac Pulmonary Resuscitation (CPR) Training.
 - 6.1.3. Annual Industrial Physical Examination.

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