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Maintenance

**WING FOREIGN OBJECT PREVENTION
PROGRAM**



COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction implements and extends the guidance of AFPD 21-1, *Managing Aerospace Equipment*. It is intended to serve as guidance on the importance of Foreign Object Damage (FOD) Prevention and to familiarize personnel on how to protect the assets assigned to the 440th Airlift Wing. All squadrons and flights that operate vehicles in the parameters identified herein will appoint FOD monitors as defined in this instruction. This instruction applies to all personnel that operate vehicles on the flight line, hangars or approach aprons to hangars at General Mitchell IAP ARS WI.

1. Designated FOD Hazard Areas:

- 1.1. Aircraft parking ramp.
- 1.2. All aircraft maintenance facilities.
- 1.3. Approach aprons to the hangars.

2. Foreign Object Damage Monitors:

- 2.1. The Logistics Group Commander will appoint, in writing, a Wing FOD Manager from the Quality Assurance Staff.
- 2.2. The Wing FOD Manager will coordinate with other base agencies on matters related to the Foreign Object Damage Prevention Program.
- 2.3. Overall responsibility for training, monitoring, review of incidences and coordination of the program rests with the wing manager.
- 2.4. Each area that routinely accesses the areas within the inner fence area of General Mitchell IAP-ARS WI will appoint a FOD monitor.
- 2.5. The primary responsibilities of the monitor will be to:

- 2.5.1. Provide training to all assigned personnel.
- 2.5.2. Attend quarterly FOD meetings.
- 2.5.3. Work toward the elimination of all potential FOD within their area of responsibility.

3. Foreign Object Prevention Meetings:

- 3.1. Meetings will be held each quarter and chaired by either the 440 AW Commander or the 440 LG Commander.
- 3.2. Mandated attendees of the quarterly FOD meeting are: Flying Safety Officer, Logistics Group, Ground Safety, Transportation, POL and Security Police. Other units, i.e., Aerial Port Squadron, Base Operations, Civil Engineering, etc., may attend as required.
- 3.3. Meeting minutes will be sent to HQ AFRC and 22 Air Force Logistics as described in AFRC 21-101, Aircraft Maintenance Guidance and Procedures.

4. Specific Procedures:

- 4.1. Foreign Object Prevention walks will be scheduled a minimum of once per month or upon notification of fighter aircraft arrival, to ensure all flightline areas are clear of potential FOD. Walks may be suspended for inclement weather.
- 4.2. Aircraft maintenance personnel will conduct daily hangar checks.
- 4.3. All vehicles that enter the ramp area, (inside the inner fence) will stop and conduct a FOD check of their vehicle prior to proceeding into the area. A thorough inspection of loose equipment or hardware, and embedded rocks in the tires will be conducted.
- 4.4. Civil Engineering will place FOD cans at each entrance to the ramp for the accumulation of foreign objects. These containers will be emptied as needed by Civil Engineers.
- 4.5. Sweeper vehicles will establish a schedule, which will minimize the accumulation of FOD at entranceways and on the ramp areas.
- 4.6. Every vehicle which operates in the designated areas will have a FOD can inside the vehicle.
- 4.7. Aircraft Inspections:
 - 4.7.1. Prior to engine start, the intakes will be inspected and documented in the AFTO Form 781A, Maintenance Discrepancy and Work Document, as a Red Dash.
 - 4.7.2. If the aircraft is away from home station and maintenance is not available, the aircrew will perform and document this inspection. If the aircrew is unable to perform this inspection, a discrepancy should be entered stating "No intake inspection completed before engine start" and placed on a Red Dash.

5. Wearing Apparel:

- 5.1. The flightline is a no-hat, no-salute area; however, hats may be worn except when in the vicinity of aircraft operating engines. A circle of safety for removing hats will be 50 feet from the front or side of an operating engine and 250 feet to the rear. In extreme cold weather, watch caps may be worn inside this area if secured by ear muffs or communication style head set.

5.2. Line badges will be secured by plastic armbands or by tying the nylon cord to clothing. Metal clips will not be worn under any circumstance. Plastic clips are available, but not recommended.

5.3. Metal rank insignia will not be worn on the flightline or other designated FOD areas. Metal insignia may be incased in plastic and worn on the uniform.

5.4. Wigs, hair pieces, metal and hard plastic hair fasteners, finger rings, necklaces, earrings, decorative hat pins, metal hat pins, or hat pins of any kind and other jewelry will not be authorized for wear in FOD designated areas.

6. FOD Investigation:

6.1. All instances of Foreign Object Damage will result in the impoundment of the aircraft, engine or equipment. The Logistics Group Commander or delegate serves as the impounding official for aircraft and engines.

6.2. Engine blade damage, which can be repaired by blending, in accordance with technical data, will not result in impoundment, but will require investigation.

6.3. Damage to aircraft, engines or equipment that is beyond our capabilities will be referred to the responsible AFMC Depot Facility.

6.4. All reportable damage that is forwarded to Depot will have a Product Quality Deficiency Report (PQDR) completed in accordance with T.O. 00-35D-54. These reports are solely to receive feedback from the Depot to aid in the investigation.

7. Foreign Object Damage Reporting:

7.1. Each incident of Foreign Object Damage is reportable.

7.2. The Wing FOD Manager will investigate and report all Foreign Object Damage in accordance with AFRCI 21-101 and AFI 91-204, Safety Investigating and Reporting.

7.3. A telephone call will be made to the Numbered Air Force Foreign Object Manager no later than the next duty day.

7.4. Applicable documentation will be forwarded to HQ AFRC Logistics and 22 Air Force Logistics within 30 days.

7.5. A message will be generated if the FOD investigation reveals potential for other aircraft to sustain similar damage within the United States Air Force.

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Commander