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Maintenance



FOREIGN OBJECT DAMAGE PREVENTION

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OPR: 940 AGS/LGGA (SMSgt Billy L. Higgins)

Certified by: 940 LG/CC
(Lt Col Richard G. Stephens)

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This instruction implements AFD 21-1, Managing Aerospace Equipment Maintenance. It establishes a Foreign Object Damage (FOD) prevention program. It addresses responsibilities of Wing FOD program manager, squadron FOD representatives and individuals. It establishes FOD walks and tire inspections. It applies to all 940th Air Refueling Wing (ARW) personnel that perform duties on or in the area of the flight line.

SUMMARY OF REVISIONS

This revision changes certified by from Colonel Allan R. Thomas to Lt Col Richard G. Stephens. Delete paragraph **2.2.5.** renumber remaining paragraphs. Delete paragraph **2.3.1.** Change paragraph 2.3.5. to read, Elevate pertinent FOD information to Wing FOD Program Manager for dissemination to host base, wing groups, and other squadron representatives as required. Add paragraph **2.5.4.** In paragraph **4.4.**, delete conducted on the primary UTA and, from the sentence. In paragraph **5.1.**, change Maintenance Aircraft Coordination Center (MACC) to Debrief Dispatch Section (DDS). In paragraph **5.2.**, change MACC to DDS and delete LG Commander, Operations Group (OG) Commander. In paragraph **5.3.**, change investigation worksheet to AFRC Form 42, Foreign Object Damage (FOD) Mishap Investigation Check sheet and end sentence with, and forward to HQ 4 AF. In paragraph **5.4.**, insert after office will format, Class A, B, C, D or J FOD Mishap. Delete paragraph 6. A bar (|) indicates revision from the previous edition.

1. General. The FOD prevention program is designed to increase individual FOD awareness and protect critical resources from FOD induced damage. Personnel with duties on or in the area of the flight line require FOD training upon assignment to the Wing.

2. Responsibilities:

2.1. Logistics Group Commander: The Logistics Group (LG) commander is responsible for the overall management of the FOD Prevention Program.

2.2. Wing FOD Program Manager: The Wing FOD Program Manager will be appointed in writing by the LG Commander and will be responsible for the following:

2.2.1. Office of primary responsibility for the FOD Prevention Program.

2.2.2. Scheduling and chairing the quarterly FOD meetings.

2.2.3. Attending the Host base FOD meetings.

2.2.4. Review and certification of the FOD training programs.

2.2.5. Designate squadrons requiring FOD representatives.

2.2.6. Disseminates FOD information to Squadron Representatives.

2.3. Squadron FOD Representative: The squadron FOD Representative will be assigned by the squadron commander in writing, a copy will be provided to the Wing FOD Program Manager. Their responsibilities include :

2.3.1. Ensure a FOD training program is in place and current.

2.3.2. Attend the quarterly FOD meeting.

2.3.3. Disseminate information (cross-tells, cross-feeds, FOD reports, and quarterly FOD meeting minutes) .

2.3.4. Elevate pertinent FOD information to Wing FOD Program Manager for dissemination to host base, wing groups, and other squadron representatives as required.

2.4. Work center Supervisor: Work center supervisors are responsible for FOD awareness in their areas. Their responsibilities include:

2.4.1. Ensure dissemination of FOD information.

2.4.2. Ensure FOD prevention practices and compliance requirements are followed.

2.5. Individual Personnel: Each individual shares responsibility for FOD prevention. Their responsibilities include :

2.5.1. Following all applicable FOD prevention practices and compliance requirements.

2.5.2. Completing squadron FOD training requirements.

2.5.3. Up-channeling any FOD related incidents, recommendations, etc.

2.5.4. Personnel performing repairs to nicked engine fan and compressor-blade complete local "Blade Repair Worksheet" and forward to Propulsion Engine Management Section.

3. FOD Awareness Training:

3.1. Requirements: All personnel requiring access to the flight line require FOD awareness training. Training will be conducted initially and on an annual basis.

3.2. Support: The Logistics Support Squadron Training Office may provide training support. Squadrons may develop training programs customized to their needs.

3.3. Documentation: Documentation of training is required. The Logistics Group will document training in GO54/GO81. Squadrons without this capability will use tracking method suitable to their needs.

4. Flight line FOD Prevention:

4.1. Flight-line Driving. Individuals will drive on paved surfaces when operating vehicles on the flight line and taxi-ways. In the event a vehicle does leave the pavement, tires will be checked and debris removed from tires and wheel wells before resuming operation on airfield pavement. Vehicles not normally driven on the airfield pavement will be checked at the entry point to the flight line .

4.2. FOD Containers. Vehicles and Maintenance stands used on the flight line will have FOD containers attached. Work centers responsible for the equipment will ensure containers are emptied on a periodic basis.

4.3. Assistance. The Aircraft Generation Squadron (AGS) will coordinate sweeper assistance.

4.4. FOD Walks. FOD walks will be conducted as needed when determined by the program manager.

4.4.1. The AGS area of responsibility includes: the restricted area, the parking areas at building 1025, 1022, and the road adjacent to the restricted area to the south of Mat U.

4.4.2. Maintenance Squadron area of responsibility includes: the unrestricted area, Mat U southwest of building 1071, Powered AGE maintenance area of building 1033, and the aircraft fuel maintenance area North Mat U.

5. FOD Reporting Procedures:

5.1. FOD Incidents. FOD incidents, suspected or actual (to include tire FODs and nicked engine fan blades) will be reported to the Production Supervisors, who in-turn will notify the Debrief/Dispatch Section (DDS) .

5.2. Contact Agencies. The DDS will contact the following agencies:

FOD Program Manager

Quality Assurance (QA) Office

Wing Safety Office

5.3. Investigation. The FOD program manager or designated individual will investigate the incident and complete the AFRC Form 42, Foreign Object Damage (FOD) Mishap Investigation Check sheet provided by the program manager, and forward to HQ 4 AF.

5.4. FOD Report. The FOD program manager with assistance from the wing safety office will format class A, B, C, D or J FOD mishap and transmit the FOD reports to the designated agencies in accordance with governing directives. A copy of the FOD report will be maintained by the FOD program

manager and the QA office. A copy will be routed to the 940 LG/CC, 940 OG/CC and 940 ARW/SE. All FOD reports will be included in the Process Improvement Monthly Measurement Report.

VIK C. MALLING, Colonel, USAFR
Commander