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Maintenance



**FOREIGN OBJECT DAMAGE (FOD)
PREVENTION PROGRAM**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction implements AFD 21-1, *Managing Aerospace Equipment Maintenance*, AFI 21-101, *Aerospace Equipment Maintenance Management*, AFOSH Standard 91-100, *Aircraft Flight Line Ground Operations and Activities*; and PIA Instruction 21-033, *Foreign Object Damage Program*; establishes responsibility for implementation and continued operation of the Foreign Object Damage Prevention Program. This instruction applies to all 939 ARW personnel.

1. Responsibility: The 939 ARW Wing Vice Commander is the FOD program manager and will assign a wing FOD monitor. In addition, one monitor will be assigned from the KC-135 AMXS flight. It is the responsibility of all 939 ARW personnel to ensure compliance with this wing instruction.

2. Unit FOD Prevention Committee: The 939 ARW Unit FOD Prevention Committee consists of, but is not limited to, the following personnel:

FOD program manager

Maintenance Group Commander

Maintenance Squadron Commander

Production Superintendent

Quality Assurance FOD Monitor

KC-135 AMXS Section FOD Monitor

Group Safety Monitor

Chief, Wing Safety

2.1. The FOD prevention committee discusses and/or resolves FOD problems at the quarterly FOD meeting.

- 2.2. A representative from this committee will attend the 142 FW quarterly meeting.
- 2.3. The minutes from the 142 FW quarterly FOD meeting will be briefed to the 939 FOD prevention committee at the unit quarterly meeting.

3. Flightline Operation.

- 3.1. Flight decks and cockpits will be checked by the ground crew for foreign objects prior to the first flight of the day. Aircrew members are responsible for keeping their areas free of foreign objects between and after their flight.
- 3.2. The FOD boss should be used to police the aircraft parking area after each launch. All foreign objects found will be examined and any aircraft maintenance related foreign objects will be given to one of the FOD monitors.
- 3.3. All vehicle tires will be inspected prior to entry on aircraft parking ramp at designated FOD checkpoints.
- 3.4. Expediter will request powered sweepers to clean the flight line ramp as necessary.

4. FOD Inspections.

- 4.1. A flight line FOD walk will be conducted by all logistics group personnel on the primary UTA.
- 4.2. FOD monitors will conduct spot checks once a week. The FOD prevention check sheet (**Attachment 1**) will be used. The findings will be entered into the SITS program under inspections type, FOD spot inspection.
- 4.3. All findings will be addressed within five calendar days.

5. Investigation and Reporting.

- 5.1. All FOD incidents will be monitored by the FOD prevention manager and investigated by the QA FOD monitor with the assistance of the system specialist shop.

6. FOD Training.

- 6.1. Newly assigned personnel will receive initial FOD prevention training by their duty section supervisor and will be scheduled for annual retraining by maintenance training.

MARK A. KYLE, Col, USAFR
Commander, 939 ARW

Attachment 1

LETTER OF INDORSEMENT

1st Ind, 939 RQW/SE

MEMORANDUM FOR 939 MDS/SGPB

Concur.

CHARLES L. BYRD, III, SMSgt, USAFR

Ground Safety

2nd Ind, 939 MDS/SGPB

MEMORANDUM FOR 939 LG/LGQ

Concur.

MARK JOHNSON, TSgt, USAFR

Bio-Environmental Engineering Services

Attachment 2**FOD PREVENTION MONITOR INSPECTION CHECKSHEET**

NOTE: Spot checks will be accomplished using any of the items below

- A2.1.** Check parking ramps and taxiways for foreign objects.
- A2.2.** Check maintenance and storage areas for cleanliness and condition of pavement.
- A2.3.** Check mechanical sweeping operation to make sure it is doing a good job.
- A2.4.** Check streets and approachments that lead on to ramps to make sure foreign objects are not being carried onto the flight line by vehicles.
- A2.5.** Inspect pavement cracks and expansion joints for debris that the mechanical sweeper has missed. Direct cleaning operations by hand signals, if necessary.
- A2.6.** Spot check supervisors to make sure they know how to request mechanical sweepers and find out if they are asking for the service as needed.
- A2.7.** Observe to see if personnel are doing an efficient job picking up F.O.D.
- A2.8.** Check to make sure there are enough FOD containers and they are emptied daily.
- A2.9.** Spot check general housekeeping in work area.
- A2.10.** Observe people at work for FOD prevention habits.
- A2.11.** Spot check to see that open aircraft, engine and component lines are covered with proper plugs or caps to stop foreign objects from entering.
- A2.12.** Discuss the FOD program with supervisors and observe their interest in the program.
- A2.13.** Check corrective action from previous FOD mishap reports.
- A2.14.** Review FOD reports for trends and adequacy of training.