



DEPARTMENT OF THE NAVY

NAVAL AIR STATION OCEANA
1750 TOMCAT BOULEVARD
VIRGINIA BEACH, VIRGINIA 23460-2191

IN REPLY REFER TO:

NASOCEANAINST 13720.1F

00L

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NAS OCEANA INSTRUCTION 13720.1F

Subj: PREVENTION OF FOREIGN OBJECT DAMAGE (FOD) TO GAS TURBINE ENGINES

Ref: (a) OPNAVINST 4790.2G
(b) OPNAVINST 3750.6Q
(c) COMFITWINGLANTNOTE 13720
(d) COMSTRKFIGHTWINGNOTE 13720
(e) NASOCEANAINST 8600.1H
(f) NASOCEANAINST 10341.1B

1. Purpose. To establish procedures and responsibilities to support an effective station FOD Prevention Program.
2. Cancellation. NASOCEANAINST 13720.1E. Because of extensive revisions, paragraph markings have been omitted.
3. Discussion. Reference (a) defines FOD as "the ingestion of foreign objects and debris in Naval aircraft engines." FOD presents personnel and material hazards, consumes valuable maintenance manhours, imposes additional unscheduled workloads on both using and supporting activities, creates shortages, wastes dollars and reduces operational readiness. Most FOD can be attributed to poor housekeeping, facility deterioration, improper maintenance practices or carelessness. An effective FOD Prevention Program which identifies, corrects and eliminates causal factors is a command responsibility and must be a part of the Maintenance Program. A successful program requires command support, personnel knowledge and awareness and integration into the total maintenance effort. References (a) through (f) contain program goals and supplemental information regarding activity guidance.
4. Action

a. Tenant activities and departments operating aircraft or support equipment and those directly supporting flight operations at Naval Air Station (NAS) Oceana shall take aggressive action to prevent FOD and maintain prevention programs per reference (a). Additionally, they shall:

(1) Perform base-wide FOD walk downs as required. Naval Air Station (NAS) Oceana FOD Officer (ext. 3-2818) shall coordinate the walk downs when required.

(2) Perform daily ramp, maintenance, hot pad and fuel pit area walk downs.

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(3) Inspect ground support equipment (GSE) prior to operation and prior to entry onto the airfield for potential FOD.

(4) Report any damaged pavement areas and/or ramp/flight line areas requiring vacuum sweeping to the Air Operations Duty Officer (AODO) at phone extension 3-2162 or 3-2163.

(5) Restrict operation of vehicles to paved surfaces only, except in an EMERGENCY. If mud or stones are tracked onto paved surfaces, the activity, department or division responsible shall ensure that the AODO is contacted for a vacuum/pull-behind sweeper. If a sweeper cannot clean the area, the responsible unit shall ensure proper cleanup.

b. To maintain an effective FOD Prevention Program at NAS Oceana, the following specific responsibilities are assigned:

(1) NAS Oceana Aviation Safety Officer

(a) Be assigned as the FOD Prevention Officer for NAS Oceana.

(b) Coordinate with Public Works Office/Regional Engineer Oceana, Air Operations Detachment, Aircraft Intermediate Maintenance Department (AIMD), tenant wing and squadron Aviation Safety Officers and FOD Prevention Officers on matters pertaining to this program.

(c) Maintain and update this instruction as required.

(2) Air Operations Duty Officer

(a) Coordinate vacuum sweeper/pull-behind sweeper with station activities to provide maximum utilization of FOD prevention assets.

(b) Ensure daily vacuum/pull-behind sweeper assignments cover the most FOD prone areas per the following priorities:

Priority 1 - The first 2000 feet of duty runways.

Priority 2 - The first 2000 feet of off duty runways.

Priority 3 - Fuel pits, taxiways and areas adjacent to the fuel pits.

Priority 4 - Roadway accesses to all aircraft operating areas (ramps, pads, taxiways, runways, etc.).

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Priority 5 - High-power turn area.

Priority 6 - Squadron line areas on request.

Priority 7 - Ordnance Handling Pad.

Priority 8 - North Pad.

(c) Ensure a vacuum sweeper is scheduled for Naval Auxiliary Landing Field (NALF) Fentress at least one day per week.

(3) Air Operations Maintenance Division

(a) Ensure a FOD Prevention Program is maintained per reference (a).

(b) Perform a daily walk down of assigned ramps and parking areas.

(4) Air Operations Airfield Facilities Division. Ensure daily runway and taxiway FOD checks are performed each morning and prior to sunset.

(5) Aircraft Intermediate Maintenance Department (AIMD). Ensure a FOD Prevention Program is maintained per reference (a).

(6) Tenant Squadrons

(a) Conduct weekly FOD walkdowns of runway as required. NAS Oceana FOD Officer (ext. 3-2818) will coordinate.

(b) Conduct daily FOD walk downs of fuel pits per reference (c).

(c) Conduct FOD walk downs of Ordnance Handling Pad per reference (e).

(d) Conduct FOD check in vicinity of aircraft prior to commencing operations in High Power Turn Area.

(e) Ensure Landing Signals Officers conduct FOD checks of carrier boxes prior to Field Carrier Landing Practices at NALF Fentress. FOD concerns shall be brought to the attention of the Duty Crash Captain for resolution.

(f) When reporting FOD damage or mishaps per references (a) and (b), ensure NAS Oceana is an info addressee on all Naval Message traffic with the following plain language address (PLAD): NAS OCEANA VA//30/40/401/00L//.

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(g) When acting as host squadron, ensure hosted personnel are briefed on local FOD prevention procedures.

(7) Resident Officer-in-Charge of Construction (ROICC). Ensure contractors are thoroughly briefed on FOD prevention on the flight line, including responsibility for work area and vehicle route cleanliness.

(8) Fuels Division. Perform daily inspections of all fuel pits, per reference (e), including a FOD check of the pits and adjacent grassy areas.

(9) Public Works Center/Regional Engineer, Oceana

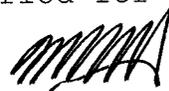
(a) Provide one radio-equipped vacuum sweeper, with electromagnetic capability, and a qualified driver for daily briefing and assignment by the Air Operations Duty Officer.

(b) Provide one vacuum sweeper on call during non-working hours for emergency use.

(10) Officer in Charge, NALF Fentress

(a) Ensure daily runway and taxiway FOD checks are performed each morning and prior to sunset.

(b) Ensure Landing Signal Officers (LSOs) conduct a FOD check of the Fentress "carrier deck" prior to each field carrier landing practice (FCLP) period for their squadron.



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Distribution:

NASOCEANAINST 5216.1U

List I (11, 30, 40 and 00L only) (Case A)

List III (LANTORDCOM DET Oceana, PWO, Supply, 42E1, 42GG1, 42J1, 42L1, 42L2, 42XX, and FKN1 only)