



HSAC RP 2009-02 **FOD (Foreign Object Damage) Control**

Background

Foreign Object Damage (FOD) accounts for a vast amount of damage to aircraft engines and components annually, increasing the possibility of an incident or accident occurring, and thereby increasing operating costs. Operators may consider the following procedures when implementing an FOD policy and program to eliminate FOD damage.

Objective

FOD prevention programs are designed to eliminate accidents or incidents, loss of life or equipment, due to FOD

Recommended Practices

1. FOD Awareness and Prevention

The following guidelines cover areas which may be considered when developing a FOD program

2. FOD Examples

- Metal
 - Aircraft and Engine Fasteners
 - Tools
 - Other Flight Line Metals
- Stone
 - Natural Stone
 - Non- Natural Stone – Concrete etc.

- Miscellaneous
 - Wood
 - Ice
 - Organic Matter
- Birds, Tree Frogs etc.

Recommendations

- Organizational Policies outlining FOD prevention
 - Used Parts Policy – Safety wire, Cotter Keys, Used Nuts and Bolt security
 - Personal FOD Pouch to secure used cotter keys, safety wire, etc.
 - Shop Towel accountability Policy and Program
 - Tool Accountability
 - Clean as you go policy
 - Personal dress code and Shop House Keeping Policy
 - Ramp FOD control Policy e.g. unsecured cowlings or other objects
 - Ramp policy for vehicle born FOD e.g. debris from tires, loose items in open vehicles
 - Intake and Exhaust Cover Policy
 - Security of Personal PPE Equipment e.g. High Visibility Vests etc.
 - Customer and Vendor awareness – security of hats, plastic bags, carry-on items etc.
 - Ground Support – policies that define usage, storage, security and movement of support equipment
 - FOD inspection policy prior to releasing an aircraft to operational service
 - FOD Reporting Program

- Awareness Programs
 - Posters
 - Decals
 - Training Programs
 - Customer Briefings

Useful links for supplemental information

- <http://ftp.ata.nato.int/public//PuFullText/RTO/TR/RTO-TR-AVT-094//TR-AVT-094-06.PDF> NATO and OTAN, chapter 6, FOD Prevention
- <http://www.nafpi.com/index.html> National Aerospace FOD Prevention Inc.
- www.fodnews.com
- <http://www.ripoffs.com/datasheets/co56/co56.html>