



Quality to Win

FOD



- **FOD – A Flight Safety Issue**
- **What is FOD to Me?**
- **What We Are Doing About FOD?**
- **What We Tell Our People They Can Do About FOD?**



→ **Foreign Object Damage**

→ **Foreign Object Debris**

Or

→ **An Object or Article Alien to an Aircraft That Has the Potential to Cause Damage**



- **Stones, Concrete (40%)**
- **Aircraft Hardware (Nuts, Bolts, 25%)**
- **Tools and Other Metal (10%)**
- **Stuff We Don't Know (20%)**
- **Clothing and General Rubbish (5%)**
- **People (0% - Thankfully)**



- **FOD KILLS**
- **FOD COSTS MONEY**
- **FIXING FOD WASTES TIME**
- **FOD REDUCES AIRCRAFT AVAILABILTY**





- **25 July 2000**
- **Strip of Metal Dropped by Aircraft**
- **Burst Tyre**
- **Tyre Debris hit Fuel Tank**
- **113 People Killed**



→ Impact of FOD:

- Estimated that FOD costs aerospace industry
 - over \$4 Billion dollars a year.



THINK FOD PREVENTION



→ In simple terms.....

**If you see stuff lying around then pick it
up and put it in a bin**

AND CLEAN AS YOU GO



→1. Poor Housekeeping

→2. Deterioration in Facilities

→3. Improper Maintenance

→4. Inadequate operational practices



- 1. Clean as you go – regardless of where you work**
- 2. Pick up any debris that might migrate to an inaccessible location**
- 3. Do not take anything you don't need to the work area**
- 4. Return equipment and tools to proper storage areas**



1. Report building defects immediately
2. Monitor and continually assess the condition of the workshop
3. Ensure skips and bins are controlled and debris is not allowed in the workshop
4. Ensure consumables are strictly controlled and accounted for
5. Raise Awareness - Have lots of FOD Posters





- 1. Protect equipment that is sensitive to FOD – Use Blanks**
- 2. Control tools and consumables properly, i.e only take what you need**
- 3. If you loose something – tell someone**
- 4. Assembly steps should include FOD inspections**
- 5. THINK ABOUT THE POSSIBLE IMPACT OF EVERYTHING YOU DO**



**A FOD Free environment requires Leadership,
Training and a Commitment from the Workforce
(that means you)
to ensure that we maintain a FOD prevention
culture within the organisation**

Jean Watson FAA



- **If the management and leadership don't care, then no one else will care either**
- **All managers and supervisors are paid to set an example**



- **If we don't understand why and how FOD is a problem**
- **We won't know why we need to care about FOD**
- **So FOD training is very important**

IT'S UP TO EVERYONE – BE COMMITTED TO BEING FOD FREE



Quality to Win

- **With positive and interested management**
- **And having had a bit of training**
- **You know FOD is a big problem**
- **So be committed to a FOD FREE goal**



THE AIM IS TO PREVENT THIS





→ **FOD Kills**

→ **FOD Costs**

→ **Fixing FOD wastes your time**

So.....

→ **Think FOD Prevention**



HELP US TO PROTECT
THOSE WHO TRUST US
TO KEEP THEM SAFE
WHEN THEY FLY