

Aircraft FOD Awareness Training Course Initial – 1 Day

Introduction

This 1-day course considers the obligations of the individual who is working on and around aircraft.

Foreign Object Debris (FOD) each year costs the aviation industry many millions of dollars. In the vicinity of aircraft, FOD has the potential to cause problems to the aircraft with the possibility of being ingested into the aircraft engine, which can result in damage to the aircraft or cause an accident.

Some sources estimate that worldwide FOD causes more than 2.5 billion USD in damage to engines and aircraft taken out of service each year. FOD can damage or become lodged in aircraft operating mechanisms or cause damage to cut aircraft tires.

Air France Flight 4590 was lost with the loss of more than 100 lives in July 2000, due to FOD on the runway (A piece of titanium debris from a departing US-bound DC-10) the FOD caused the failure of a main wheel tire which caused a turn the fuel tank to rupture. The leaking fuel ignited and brought the aircraft down!

This course is suitable for any person who is working in the vicinity of aircraft, working on aircraft, or working anywhere where there is potential exposure to Aircraft Parking Bays, Maintenance Areas, Runways, or Taxiways.

Who is the course for?

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What is the Benefit of this Training – What will I learn?

The participants will gain essential knowledge and skills to recognize, prevent, and mitigate Foreign Object Debris (FOD) hazards on and around aircraft. This course is designed for aviation personnel, ground crew, and maintenance staff to enhance their awareness of FOD risks, improve their FOD detection capabilities, and implement preventive measures to maintain aircraft safety and operational efficiency.

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www.sassofia.com

Date	On Demand
Category	Personal Development
Venue	On Demand
Level	Basic
Price	On Demand

Detailed Content / Topics - The following Subjects will be addressed

Introduction to FOD
 Definition and Significance of FOD in aviation safety
 Statistics and case studies highlighting the impact of FOD incidents
 Types and Sources of FOD
 Common types of FOD (e.g., loose objects, tools, wildlife, foreign debris)
 Sources of FOD in different aviation environments (e.g., runways, hangars, manufacturing facilities)
 Consequences of FOD
 Potential damage to aircraft, engines, and equipment
 Safety hazards for personnel and passengers
 Financial implications and operational disruptions caused by FOD incidents
 FOD Prevention Techniques
 Individual and collective responsibility in FOD Prevention
 FOD detection and reporting techniques
 Proper tool and equipment handling procedures
 Preventive measures during maintenance, construction, and ground operations
 Best Practices and Strategies
 Organizational policies, procedures, and checklists for FOD prevention
 Engineering controls and FOD-resistant designs
 Quality control measures, audits, and inspections
 Training programs and employee engagement strategies
 FOD Prevention in Specific Aviation Sectors
 FOD challenges and prevention strategies in airports, maintenance facilities, and manufacturing plants
 Case studies and lessons learned from relevant sectors
 FOD Prevention Programs and Industry Standards
 Overview of FOD prevention programs and Initiatives
 Compliance with regulatory requirements and industry standards
 Collaboration and sharing of best practices among aviation organizations
 Developing a Culture of FOD Awareness
 Importance of promoting a proactive mindset and FOD awareness among all personnel
 Leadership role in fostering a culture of vigilance and accountability
 Case Studies and Real-Life Examples
 Analysis of FOD Incidents and their impact on aviation safety and Operations
 Discussion of preventive measures and lessons learned from real-life scenarios
 Wrap-Up and Q&A Session
 Recap of key concepts and takeaways from the training
 Question and answer session to address participant inquiries

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Target Groups

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Pre-requisites

A background in an aviation environment.

Learning Objectives

To fully appreciate the exposure which we face in respect of FOD;
To understand our personal role and obligations to prevent FOD at all times.

What do People Say about Sofema Aviation Services Training?

"I found satisfying answers to all my questions."
"The instructor demonstrated a very deep knowledge of the subject."
"The length of the course fits my needs and expectations."
"The content was really effective, I gained a lot of new knowledge."
"The practical examples were perfectly delivered."

Duration

1 day – Start at 09.00 and finish at 17.00, with appropriate refreshment breaks.
To register for this training, please email team@sassofia.com or Call +359 28210806

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