

## **EASA Part 145 Safety & Human Factor FTS & EWIS Training (Recurrent) – 2 Days**

### **Introduction**

The aim of this combined course is to refresh delegates and provide a focus on Fuel Tank Safety (FTS), Electrical Wiring Interconnect Systems (EWIS), Human Factors (HF), and the connection with SMS in the workplace, together with an ongoing understanding of Human Factor issues to comply with EASA Part 145 requirements.

In addition, the course contains a recurrent look at the Fuel Tank Safety and Electrical Wiring issues and delivers an industry update and focuses on the aircraft types on which the delegate is currently working. The training meets the intent of the EASA requirement for continuation training for Part 145 and Part M Staff.

### **Who is the course for?**

The course is made for aviation professionals, particularly maintenance personnel and engineers, who are required to undergo recurrent training in order to ensure compliance with EASA regulations and maintain their knowledge of safety protocols, human factors, Fuel Tank Safety (FTS), Electrical Wiring Interconnection Systems (EWIS), and related topics.

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

- a) Be able to demonstrate compliance with EASA GM2 145.A.30 (e) Recurrent SMS Training Requirements
- b) Achieve a refreshment regarding Aviation Safety Concepts
- c) Be able to consider Human Factors concepts and integrate them into key areas of aviation Safety Maintenance
- d) Ensure continuing awareness regarding key human performance issues relevant to Maintenance Management Operations
- e) Present a strong Understanding of Safety & Human Factor Principles

tel + 359 2 821 08 06  
email team@sassofia.com

[www.sassofia.com](http://www.sassofia.com)

<b>Date</b>	On Demand
<b>Category</b>	Personal Development
<b>Venue</b>	On Demand
<b>Level</b>	Basic
<b>Price</b>	On Demand

## Detailed Content / Topics - The following Subjects will be addressed

Introduction  
Contents  
Considerations Related to Your Organisations HF Program  
The Need to Address Safety Management and Human Factors  
Safety Risk Management – Review  
Safety Risk Management – Hazard Identification & Safety Risk Assessment  
Safety Culture/Organisational Factors  
Human Reliability  
Types of Errors in Maintenance Tasks  
Avoiding and Managing Errors  
Human Performance and Limitations  
Communication – Shift/Task Handover  
Teamwork Management Decision-Making  
Organisation’s Safety Programme Reporting – Safety Policy and Objectives, Just Culture Principles  
Organisation’s Safety Programme -Disciplinary Policy  
Organisation’s Safety Programme – Action to Address Problems, Feedback and Safety Promotion  
Fuel Tank Safety Introduction  
Fuel Tank Safety Background  
Basic Elements of Fuel Tank Safety  
Case Studies (Accidents & Incidents)  
The Need for Mitigation Strategies – Ignition Source Prevention  
Flammability Reduction Systems (FRS)  
EWIS Introduction  
Case Studies  
AMC 20-21  
Development of EWIS Inspection  
Standard Practices  
LRU Replacement  
Zonal Areas of Inspection and Levels  
Inspection of Aircraft Electrical Bonding & Grounds  
Housekeeping  
Inspection of Wiring

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## Target Groups

Quality Personnel, Personnel of the M.A. Subpart G organization involved in the management and review of the continuing airworthiness of applicable aircraft. Part 145, Personnel of Part 145 approved maintenance organization is required to plan, perform, supervise, inspect, and certify the maintenance of aircraft and fuel system components of applicable aircraft. Staff employed in any aspect of Production Maintenance requiring an HF Refreshment to include Stores personnel.

## Pre-requisites

A background in an aviation environment. Previously attended SMS, Human Factors, and Fuel Tank Safety Training.

## Learning Objectives

By the end of this course, delegates will be able to explore the implications of error, the organization's safety culture, its procedures and safety policy, and methods of communication. To re-familiarize delegates with the elements of fuel system safety issues including its language, history, and practical considerations, and finally to equip candidates in their everyday tasks to account for the challenges posed by the Fuel Tank System Safety issues.

## 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

2 days – Start at 09.00 and finish at 17.00, with appropriate refreshment breaks.  
To register for this training, please email [team@sassofia.com](mailto:team@sassofia.com) or Call +359 28210806

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