

## Human Factors and Fuel Tank Safety (Combined) – 1 Day

### Introduction

The aim of this combined course is to refresh delegates and provide focus on Human Factors 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 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.

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

- a) a) Understand the role of human factors in aviation safety, including the impact of human error on accidents and incidents and how human performance is affected by factors such as workload, stress, fatigue, and communication.
- b) Learn how to use Crew Resource Management (CRM) techniques to enhance teamwork, communication, and decision-making in the cockpit.
- c) Familiarizing with the regulatory requirements for fuel tank safety, including the Federal Aviation Administration (FAA) regulations and guidelines.
- d) Acquire knowledge of the best practices for fuel tank maintenance and inspection, including the use of Non-Destructive Testing (NDT) techniques.

### Who is the course for?

The training is typically intended for aviation professionals, including engineers, technicians, mechanics, and safety personnel involved in the design, manufacture, maintenance, and operation of aircraft. The training aims to provide participants with knowledge and skills related to human factors and fuel tank safety, which are critical aspects of aviation safety.

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<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

### **Fuel Tank Safety:**

- Introduction
- Contents
- Abbreviations & FTS Terminology
- The Top 12 Human Factor Precursors consider reasons we Commit Error
- Considerations related to Human Factors in Aircraft Fuel Tank Systems
- Types of Error
- Aviation Fuel Tanks Preparation Procedures for Maintenance Entry
- Human Factors When Working in Aircraft Fuel Tanks
- Safety Culture Organisation Factors
- Safety Management System Occurrence Reporting Considerations
- Aviation Fuel Tanks Entry Communication and Breathing Apparatus
- Stress-Team Work Concepts
- Aircraft Fuel Tank Maintenance - Emergency Response Plans
- Procedures Information and Practices

### **EWIS:**

- Updates on Type Certificate Holder recommendations and regulatory developments in the area of fuel tank system safety
- Latest recommendations as well as refresher trainer satisfying Part 145 and Part M continuation training requirements
- The concept of Ignition source prevention
- The concept of flammability reduction
- Background to and objectives of SFAR 88 and INT/POL/25/12 and TGL 47 – CDCCLs, Airworthiness Limitations, Modifications
- Changes to Instructions for Continuing Airworthiness and their availability to and use by maintenance personnel
- The purpose and hazards of Flammability Reduction Systems
- Case Studies include recent incidents and evidence of continuing un-safe conditions in the fuel tank

## 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.

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## Pre-requisites

A background in an aviation environment. Previously attended 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 very deep knowledge of the subject."*  
*"The length of the course fit 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](mailto:team@sassofia.com) or Call +359 28210806

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