

# Fuel Tank Safety – 1 Day

## Introduction

The course is designed to provide a thorough grounding in the understanding of Fuel Tank Safety (FTS) related issues. In addition to provide a comprehensive understanding of the regulatory requirement for effective FTS compliance. Covering the wide range of topics required by the amendments, from the investigation of historical events driving the legislation, to its practical applications ensuring the continued airworthiness of affected aircraft, the course aims to succinctly and clearly communicate a complex and dynamic subject.

During the Training Delegates will consider specific organizational issues and responsibilities to maintain compliance including the following: SFAR 88 of the FAA and JAA Interim Policy INT POL 25/12: ignition prevention program initiatives and goals, to identify unsafe conditions and to correct them, to systematically improve fuel tank maintenance), JAA Temporary Guidance Leaflet TGL 47. The basic elements of the fuel tank safety issues – Understanding of the background and the concept of fuel tank safety, Interpreting ICAW Instructions for continuing airworthiness. FRS -Flammability Reduction systems when installed: reason for their presence, their effects, the hazards of FRS using nitrogen for maintenance, safety precautions in maintenance/working with an FRS.

## Why Should I choose SAS for the training?

Sofema Aviation Services is a Regulatory Training and Consulting company with 45 years of commercial aviation experience and 10 years operational experience. Since the start we have provided certificates to approx 25,000 delegates and we have grown for 2 primary reasons!

The first is that we are professional and we listen to our customers.

The second reason is a combination of outstanding course fees, together with a world beating discount program which leaves our competitors way behind – please do not take our word for it, [check it out!](#)

## What Makes SAS Fuel Tank Safety – 1 Day Different?

Because our courses are written by people who have lived through the regulations. The author of the training material has more than 25 years’ experience as an auditor across the entire regulatory spectrum.

At Sofema Aviation Services our focus is on accepting that compliance with Regulations is in fact minimum compliance. Interpreting the regulations in a way which enables the development and optimisation of our business is where we should see opportunity to drive efficiencies and cost saving.

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

- Introduction & Abbreviations Used
- FTS – Background: the explosions of mixtures of fuel and air, the behaviour of those mixtures in an aviation environment, the effects of temperature and pressure, energy needed for ignition etc, the 'fire triangle',
- Regulatory Overview – SFAR 88 of the FAA and JAA Interim Policy INT POL 25/12: ignition prevention program initiatives and goals, to identify unsafe conditions and to correct them, to systematically improve fuel tank maintenance), JAA Temporary Guidance Leaflet TGL 47.
- The basic elements of the fuel tank safety issues – Understanding of the background and the concept of fuel tank safety, Interpreting ICAW Instructions for continuing airworthiness.
- Case Studies Accidents & Incidents
- The need for Mitigation Strategies – Ignition source prevention.
- FRS – Flammability Reduction Systems when installed: reason for their presence, their effects, the hazards of an FRS using nitrogen for maintenance, safety precautions in maintenance/working with an FRS.
- Recording & Reporting – The Link to SMS Recording measures and results of inspections.
- Developing Procedures

## Target Groups

Phase 1 only: The Quality Manager and Quality Personnel.

Phase 1 + Phase 2 + Continuation training: Personnel of the M.A. Subpart G organization involved in the management and review of the continuing airworthiness of applicable aircraft Part 145

Phase 1 only – Persons representing the maintenance management structure of the organization, the Quality Manager and the staff required to quality monitor the organization.

Phase 1 + Phase 2 + Continuation training: Personnel of the Part 145 approved maintenance organization required to plan, perform, supervise, inspect and certify the maintenance of aircraft and fuel system components of applicable aircraft.

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## Pre-requisites

A background in an aviation environment.

## Learning Objectives

The objectives of the course are:

- To familiarise delegates with the elements of fuel system safety issues including its language, history and practical considerations.
- 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?

- "This training offers very good explanations of difficult topics."
- "All aspect were useful, the examples were great."
- "This training helped me to develop some new skills."
- "The instructor is very resourceful and intelligent."
- "Having a visual material helps a lot the learning process."

## Duration

1 day – Start at 09.00 and finish at 17.00 with appropriate refreshment breaks.

To register for this training, please email [office@sassofia.com](mailto:office@sassofia.com) or Call +359 28210806

## Pre-Requisites?

A background in an aviation environment.

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