

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 it 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: the reason for their presence, their effects, the hazards of FRS using nitrogen for maintenance, safety precautions in maintenance/working with an FRS.

Who is the course for?

The course is for aviation professionals who are involved in the maintenance, inspection, and repair of aircraft fuel systems. This course is particularly relevant for aircraft mechanics, engineers, technicians, and individuals responsible for ensuring the safety and compliance of fuel tanks in aviation operations.

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

The course covers various aspects of fuel tank safety, including fuel system components, inspection procedures, maintenance practices, regulations, and industry best practices. It aims to enhance participants' understanding of fuel tank safety requirements, risk assessment, prevention of fuel tank explosions, and the overall management of fuel systems in aircraft.

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

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 Considerations - 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.

Airbus Design Features in Compliance with CDCCL - Fuel System Protection Features - Wiring and Lightning Protection - Leak and Heat Source Management

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 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?

"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 or Call +359 28210806

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