

EASA Part 21 Subpart J Safety Management System Implementation – 2 Days

Introduction

In Accordance with Regulation (EU) 2022/201 The design organisation shall establish, implement and maintain a design management system that includes a safety management element and a design assurance element with clearly defined accountability and lines of responsibility throughout the organisation.

The primary function of the DOA holder is to assume full responsibility for all designed products (Initial Airworthiness) including the need to support Continued Airworthiness of the designed product.

Subpart J regulatory approval provides for the Design of Aircraft and Components Design Organisation Approval (DOA). The responsibilities associated with the management of a Design Organisation are numerous and varied with a constant flow of challenges.

This course considers the requirement challenges and best practices related to the implementation of SMS within the Part 21J.

Who is the Course for?

- a) To be able to explain the Role of SMS within the Design Organisation Assurance System
- b) Achieve a high level of competency within your organization related to SMS regulatory obligations
- c) Understanding related to the Safety Management System support of the development and ownership of the continuing airworthiness obligations related to Products Parts and Appliances
- d) To be able to actively engage in the involvement of all Safety Activities including Risk Management & Reporting and Performance
- f) To understand the methodology used to manage and control investigations and the development of Service information
- g) To be able to actively engage in the Process of Hazard Identification & Risk Management
- h) To understand the methodology used to mitigate or control the potential "safety threats by assessing hazards and dealing with the associated risks

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Who is the Course for?

The course is beneficial for persons involved with Part 21 Design Organisations, including Safety & Compliance Practitioners as well as stakeholders and Regulatory Authority Inspectors

Detailed Content / Topics - The following Subjects will be addressed

- General Introduction
- Abbreviations and Definitions
- Introduction to EASA Part 21 and the role of Part 21J Design Organizations.
- SMS Introduction ICAO & EASA
- Part 21J Organisational SMS Roles & Responsibilities
- Understanding the legal framework: 21.A.139(c), 21.A.239(c), and relevant AMC and GM.
- The concept of Safety Culture with a Design Organisation
- Hazard Identification and Risk Management Basics within a Part 21 Environment
- Conducting risk assessments based on identified hazards.
- Understanding safety assurance: Monitoring, measurement, and management of change.
- The role of safety audits and surveys in maintaining safety assurance.
- Reporting Systems Internal & External- Timelines, urgency levels, and follow-up requirements.
- Theoretical foundations of hazard identification processes within the 21J environment
- Case Studies: Analysing past incidents for hazard identification.
- Introduction to risk management: Analysis, assessment, and mitigation.
- Developing risk mitigation strategies for hypothetical scenarios.
- Safety Reporting and Communication
- SMS within the Flight Test Environment
- Addressing Management of Change
- Developing effective safety training programs: Content, delivery, and evaluation.

Target groups

Design Organization staff.

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Target groups

Nominated personnel and other key personnel in Part 21 Design and production Organisations, Quality Managers Design Heads, Compliance Verification Engineers, Certification Managers, Quality Control Managers, Civil Aviation Authority representatives, and Military Airworthiness Design Stakeholders. Accountable Managers, Quality Auditors, and Airline CAMO Staff.

Pre-requisites

Background knowledge related to EASA regulation 748/2012 familiarity with the basic concepts related to design obligations will be an advantage to benefit from this training.

Learning Objectives

A detailed understanding of the role of Safety Management Systems within the Design Organisation Framework. A thorough understanding of the associated terminology and procedures related to a fully implemented SMS including changes to Type Design, Control of Supplementary Type Certificates (STC) (modifications), and repairs.

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"The discussions among the group were very beneficial."
"The instructor showed a very resourceful background and experience."
"All sections of the course were related to my field."
"Adequate answers were given to specific questions."

Duration

2 days – The training will commence 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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