

EASA CS 25 Cabin & System Safety and Certification Training – 3 Days

Introduction

Over the life of the Aircraft, the Cabin Environment is likely to see multiple modifications including any of the following

Configuration (LOPA) changes

Major and Minor seats upgrade including any of the following

First, Business and Economy classes configurations, either minor modifications or STC, Major and Minor cabin changes

IFE Installation, Integration & Upgrades USB / PC Power Supply

Certification requirements for civil [commercial] aircraft are derived from

- ICAO Annex 8 Airworthiness of Aircraft together with
- ICAO Airworthiness Manual, Part V State of Design and State of Manufacture.

Each ICAO contracting state is obligated to establish its own legal framework. Within the European Community this activity is undertaken by EASA essentially harmonised with the FAA.

The course reviews the regulatory background driven by ICAO, FAA, and EASA. Consideration is given to the technical aspects regarding systems and avionics, cabin and structure, certification topics.

The Following Regulations will be considered during this course:

- Part 21
- CS-25
- Part 26
- CS-26
- CS-ETSO
- EASA OPS

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

www.sassofia.com

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

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

- a) To achieve a basic understanding of Certification Specifications CS-25 related to the Cabin Environment
- b) To understand in detail the Certification Process related to the Cabin Environment of Large Turbine Powered Aeroplanes
- c) To be able to use the regulatory information to document and demonstrate compliance
- d) To Understand the Safety Assessment Process Related to CS25-1309
- e) To be able to engage with a project-based relationship with DOA & POA to promote constructive dialogue
- f) Act as “advocate” during DOA discussions to ensure a customer-focused interpretation of regulations and certifications

Detailed Content / Topics - The following Subjects will be addressed

Day 1

- Regulatory Background (ICAO, FAA, EASA)
- Working with EASA – Basic intro to the DOA-POA relationship
- EASA Part 21 Certification Process, Compliance Showing, Configuration Control.
- EASA Part 21 Design Certification – Proportionality & Level of Involvement
- TCDS and Certification Basis
- Operational Suitability Data (OSD)
- Understand the Safety Assessment Process Related to CS25-1309
- EASA Certification Review Items (CRI) & FAA Acceptance

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

www.sassofia.com

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

Detailed Content / Topics - The following Subjects will be addressed

Day 2

- CS-25 Detailed Review of Subparts
- Common AMC Material and other related certification Guides
- Cabin Flammability Certification Requirements
- Enhanced Airworthiness Program for Aeroplane Systems
- Crashworthiness Considerations
- Radio Technical Commission for Aeronautics (RTCA) and European Organisation for Civil Aviation Equipment (EUROCAE) Documents
- Considering OEM Documentation & Other standards such as SAE, MIL, etc.

Day 3

- CS-25 for cabin safety, flammability, electrical system safety, airworthiness, and operations
- CS-25 for avionics systems (installation/modification of systems , safety requirements, functional requirements, protection against fire, smoke, lightning, HIRF, and EMI)
- CS-25 problem solving for difficulties in demonstrating compliance
- Review and Discussion regarding certification issues and general misunderstandings between technical requirements and safety requirements
- Declaration of Design and Performance and other report considerations
- Performing a Cabin Certification "Walk" for compliance

Target groups

The course is intended for personnel involved in the specification and co-ordination of changes to TC, RTC or STCs or individuals intending to apply for minor changes. The course is also suitable for persons involved directly or indirectly with the System Safety Assessment process.

Pre-requisites

Familiarity with terminologies and concepts of design and initial airworthiness.

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

www.sassofia.com

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

Learning Objectives

To equip the delegates with the basic understanding related to the certification requirements for the turbine-powered large airplane. Additionally to understand how to demonstrate compliance with the certification specification.

Certificate Wording

EASA CS25 (Large Aircraft) familiarisation course incorporating the relevant aspects of Part 21 within the design and certification context and the application of CS 25 in showing of compliance (Subparts A, B, C, D, F, G and H).

What do People Say about Sofema Aviation Services Training?

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

Duration

3 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



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

www.sassofia.com

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