

## Cabin Safety – Certification of Interior Changes

### Introduction

The aim of this course is to provide the required basic knowledge to classify, design and certify changes / repairs related to aircraft / helicopter cabins. The main content of the course will be based on the EASA Certification Specification (CS) 25 for Large Aeroplanes. In addition, the main differences to Rotorcraft Cabin Safety Certification Specifications (CS-27, CS-29) will be highlighted. The typical interfaces to other EASA Panels, e.g. OSD-CCD, will be explained. The content of the course will be presented on a “modul” based approach which is based on the “CDI” (Compliance Demonstration Item) principle.

### Course Content

- ✦ Introduction to and aim of Cabin Safety
- ✦ Basic overview - legal and regulatory background for changes / repairs
- ✦ Seat Installations and Modifications to Seats
- ✦ Emergency Evacuation
- ✦ Cabin Illumination and Emergency Lighting Systems
- ✦ Emergency Equipment Installation (including Halon free Fire Extinguisher installation)
- ✦ Galleys, Lavatories and Class Divider installation
- ✦ Cargo and Baggage Compartments
- ✦ Flammability aspects, Materials and Insulation
- ✦ Executive Interior configurations considering CS-25 Appendix S
- ✦ Rotorcraft (CS-27 / CS-29) specific elements
- ✦ Certification Review Items and related project examples (e.g. Crew Rest Compartments)

### Learning Objectives

At the end of the training course the attendant should have

- ✦ A basic knowledge to the legal and regulatory background for changes / repairs
- ✦ The ability to classify changes / repairs related to Cabin Safety
- ✦ The ability to understand the applicable sections of EASA CS-25 related to Cabin Safety
- ✦ A basic knowledge of differences within EASA CS-27 / CS-29 related to Cabin Safety
- ✦ A general understanding when a CRI is required and an overview of available generic CRI's related to Cabin Safety

### Target Group

- ✦ Design Engineers
- ✦ Compliance Verification Engineers
- ✦ Management staff of Design Organisations