

EASA Airworthiness Certification and Regulation For Competent Authorities – 10 Days

Introduction

At SAS we specialize in EASA regulations and staying at the forefront of what is happening in the industry. This course is designed primarily for Airworthiness Authorities and focuses on the relationship between EASA Driven Airworthiness Regulatory obligations and the methods whereby the Industry is able to show compliance. Using EASA regulatory compliance as the baseline with appropriate consideration of both the Federal Airworthiness Authority (FAA) and International Civil Aviation Organisation (ICAO). EASA Airworthiness regulation within the commercial environment is a deeply complex and wide-reaching subject. Harmonization with the FAA plays a significant role in delivering Initial Airworthiness Compliance. All Sofema Aviation Services Instructors have a minimum of 20 years of experience and bring a wealth of personal competency and practical experience to the training.

Who is the course for?

This course is specifically focused on the needs of stakeholders to the aviation Initial and continuing airworthiness activities across the entire regulatory spectrum. Typically Suitable for Competent Authorities Staff, Aircraft Maintenance Organisation (AMO) Key Staff, Design Organisation (DOA) and Production Organisation (POA) Key staff including Quality and Certification (CVE). Continuing Airworthiness Management Organisations (CAMO) including Continuing Airworthiness Managers, Reliability, Engineering, Maintenance Planning and Technical Records.

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

- a) Achieve a comprehensive understanding of the regulatory requirement for the development and management of Aerodromes
- b) Familiarity with the steps required to achieve airport certification
- c) Understanding the principles of an ICAO Annex 14 & ISO 19011 compliant management including delivering an effective Quality Management System (QMS) and Safety Management System (SMS)
- d) Achieve a detailed understanding regarding the development, management, and oversight of the Aerodrome Manual and related processes and procedures
- e) Develop an understanding regarding how to Identify areas that need special attention and how to apply risk-based techniques to ensure the correct focus together with appropriate mitigations
- f) To be able to deliver an effective assessment to establish Aerodrome Compliance plus the effectiveness of the Quality & Safety System

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

www.sassofia.com

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

Detailed Content / Topics - The following Subjects will be addressed

Day 1

- Airworthiness Introduction
- Abbreviations
- What is Airworthiness
- The Airworthiness System
- Air Law & EASA Regulatory Review and Background
- Airworthiness Requirements
- Design Aspects of Airworthiness
- The Certification Process Related to TCH & STCH
- The Type of Certification Process, Full & Restricted Airworthiness Certificates
- Import & Export of Aircraft Regulatory Consideration

Day 2

- Certification of Production of Products, Parts & Appliances
- Roles and Responsibilities Part 21 POA (Subpart G)
- Introduction to EASA Part 21 Regulatory Environment
- Commission Regulation 748 / 2012
- Understanding the Certification and Approval Process
- Supplemental Type Certificates (STC)
- Repair approval procedures
- Equipment approval procedures
- PART 21 Quality Systems

Day 3

- EASA Delegation Processes
- Subpart G Production Organisation Approval
- Subpart J Design Organisation Approval
- Subpart M - Repairs
- Subpart Q - Identification of Products, Parts, and Appliances
- Operator's responsibilities related to Continuing Airworthiness
- AD, SB, Modification & Repair Facilitation

Day 4

- Basic Introduction to EASA regulations and Part M plus Subparts
- Contract & Subcontract Management
- Organisations Approval Ratings
- Managing Competencies in a Part M Environment
- Areas of Interest Concerning Aircraft Import / Export
- Part M Subpart B Accountability
- Part M Subpart C Continuing Airworthiness
- Part M Subpart D - Maintenance Standards
- Part M Subpart E Components

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Day 5

- Part M Subpart F Maintenance Organisation Approval
- Part M Subpart G Continuing Airworthiness Management Organisation
- Overview of Subpart G CAMO Organisation requirements and responsibilities
- FAA STC PMA TSO Overview
- EASA STC EPA & ETSO Overview
- Part M Subpart H Certificate of Release to Service
- Understanding the Role of the ARC
- Subpart I – Airworthiness Review Introduction
- Review of Subpart G ARC Management Process
- Review of ARC Training and Qualification Process
- ARC Staff Nominated Form 4 Holder Responsibilities
- Subpart I Quality Processes
- CAMO Part 4 Airworthiness Review Procedures
- Performing an ARC including Documentation Review & Physical Inspection
- Related Management of EASA-approved Mods & Repairs

Day 6

- Managing Competencies in a Part 145 Environment
- 145.A.10 Scope
- 145.A.15 Application
- 145.A.20 Terms of approval
- 145.A.25 Facility requirements
- 145.A.30 Personnel requirements
- 145.A.35 Certifying staff and category B1 and B2 support staff
- 145.A.40 Equipment, tools, and materials
- 145.A.42 Acceptance of components
- 145.A.45 Maintenance data
- 145.A.47 Production planning
- 145.A.48 Performance of Maintenance

Day 7

- 145.A.50 Certification of maintenance
- 145.A.55 Maintenance records
- 145.A.60 Occurrence reporting
- 145.A.65 Safety and quality policy, maintenance procedures and quality system
- 145.A.70 Maintenance organisation exposition
- 145.A.75 Privileges of the organisation
- 145.A.80 Limitations on the organisation
- 145.A.85 Changes to the organisation
- 145.A.90 Continued validity
- 145.A.95 Findings

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Day 8

- General Notes Concerning EASA Part 66 Aircraft Maintenance Engineers Licence
- Part 66 Introduction
- Basic Knowledge Requirements
- Part 147 Introduction - General
- Part 147 Introduction - Organisational Requirements
- Training Procedures and Quality System
- Examinations - Maintenance Training Organisation Exposition
- Managing Part 147
- SUBPART C - APPROVED BASIC TRAINING COURSE
- SUBPART D - AIRCRAFT TYPE / TASK TRAINING

Day 9

- Regulatory Review related to Part M, Part 145, Part 66 & Part 147
- Structural Integrity & Ageing Aircraft Structures and Systems
- Aircraft Accident Investigation – Roles & Responsibilities
- Airworthiness Operational Considerations
- Continuing Airworthiness Management
- Maintenance Airworthiness Considerations
- Aircraft Certification Principles ISC / MRB / MPD
- Introduction to the MRB Process
- Aircraft Maintenance Program – Basic requirements – Compliance with ICAO
- Aircraft Maintenance Programme (AMP) EASA Regulatory Drivers – M.A.302
- Development of Scheduled Maintenance Tasks (MSI / SSI)
- Airworthiness Limitations & Certification Maintenance Tasks
- Initial Aircraft Maintenance Program Assessment Criteria
- AMP Driven Maintenance Standards

Day 10

- EASA Competent Authority Regulatory Obligations related to Aircraft Maintenance Program (AMP) Compliance
- EASA Compliant Aircraft Maintenance Program – Review of Critical Items
- Considerations Regarding the Embodiment of Aircraft Maintenance Service Bulletins
- Structural Integrity, Ageing aircraft (Considerations)
- Considering Reliability Key Performance Indicators in the Effectiveness of the Aircraft Maintenance Planning Process
- AMP Escalation & Optimisation
- AMP Bridging Checks
- Exercise to review Appendix I to AMC M.A.302 and AMC M.B.301(b) — Content of the maintenance programme
- Final examination

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Target Groups

Nominated personnel and other key personnel in Part 145, Part M, and Part 21 Design & Production Organisations, Quality Managers/ Quality Auditors, and Airline CAMO Staff. Regulators and persons interested in obtaining a detailed understanding of the Design, Certification, and Production environments as well as an understanding related to Regulation 1321/2014

Pre-requisites

It is not necessary to have prior knowledge to participate in this training.

Learning Objectives

At the end of this Training, the delegate should have a comprehensive understanding of the Roles and responsibilities across both Initial and Continuing Airworthiness. In addition to have a firm understanding of areas where organisations may consider opportunities to optimize. A detailed understanding of Aviation Product Design and Production regulatory-driven processes. This training is intended to focus on the essential elements to provide a comprehensive understanding of the entire EASA Regulatory and Certification Process.

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

10 days – 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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