

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 industry.

This course is designed primarily for Airworthiness Authorities and focuses on the relationship between EASA Driven Airworthiness Regulatory obligations and the methods whereby 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 deeply complex and wide reaching subject. Harmonisation with the FAA plays a significant role in delivering the Initial Airworthiness Compliance.

All Sofema Aviation Services Instructors have a minimum of 20 years' 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.

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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 process and procedures
- e) Develop an understanding regarding how to Identify areas which 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 effect assessment to establish Aerodrome Compliance plus the effectiveness of the Quality & Safety System

Why Should I Choose SAS for the training?

Sofema Aviation Services a Regulatory training and consulting company with 45 years of commercial aviation experience and 12 years of operational experience. Since we started we have provided certificates to approx 25,000 delegates we have grown for 2 primary reasons!

The first is that we are professional and we listen to our customers. Please visit our download area as an example of how we engage with our customer.

The second is not only the fact that our prices are far more cost-effective than our competitors it is that our discount program leaves all the others way behind – please do not take our word for it [check it out!](#)

What Makes SAS EASA Airworthiness Certification and Regulation For Competent Authorities – 10 Days Different?

Because our courses are written by people who have lived through the regulations. The author of the training material has more than 25 years' experience as an auditor across the entire regulatory spectrum.

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At Sofema Aviation Services our focus is on accepting that compliance with Regulations is in fact minimum compliance. Interpreting the regulations in a way which enables the development and optimisation of our business is where we should see opportunity to drive efficiencies and cost saving.

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 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

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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

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

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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

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

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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

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 optimise.

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.

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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

10 days – Start at 09.00 and finish at 17.00, with appropriate refreshment breaks.

To register for this training, please email office@sassofia.com or Call +359 28210806

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