

EASA Part 21 Subpart J & G Combined Initial Training – 4 days

Introduction

Subpart J regulatory approval provides for the Design and Certification management of Aircraft and Components Design Organisation Approval (DOA) and Subpart G provides for a Production Organization approval (POA).

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

Whilst the role of the POA relates in part to the role of (Continued Airworthiness) the primary function of the organization is Initial Airworthiness in respect of managing the production of Products Parts and Appliances for use on aircraft, the process is regulated in accordance with the requirements of Part 21

A company holding Part-21 Subpart J Design Organisation Approval (DOA), has the approval to Design and certify aircraft parts.

A company holding Part-21 Subpart G Production Organisation Approval (POA), has the approval to build and certify aircraft parts when a DOA -POA agreement is in place.

Organisations approved to manufacture in accordance with PART 21 Subpart G are approved to issue EASA Form One in respect of the Products Parts and Appliances.

Training Regulatory Compliance

This course demonstrates compliance with Commission Regulation (EU) No 748/2012 Initial Airworthiness

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

- a) Awareness of the structure composition and impact of Part 21 Regulation
- b) Understanding Organisational Roles and Responsibilities Compliant with EASA Part 21 oversight
- c) Understand the environment driving the Part 21 / STC process to focus your business decisions

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What is the benefit of the training – What will I learn?

- d) Have confidence in full compliance and the ability to perceive opportunity to optimize
- e) To consider the process whereby we can issue a Permit to Fly
- f) Awareness of the structure composition and impact of Part 21 Regulation related to the certification & manufacture of parts
- g) Understanding Organisational Roles and Responsibilities Compliant with EASA Part 21 oversight
- h) Understand the environment driving the Part 21 / STC process to focus your business decisions
- i) Have confidence in full compliance and the ability to perceive opportunity to optimize

Detailed Content / Topics (the following subjects will be addressed)

Day 1

- Definitions & Abbreviations
- Regulatory Background (ICAO, FAA, EASA)
- Working with EASA
- Implementing Rules (IR) environment together with supporting AMC & Certification Specifications (CS) material AMC20
- Design Aspects of Airworthiness
- Understanding the Principle of Implementing and Delegated Acts
- Airworthiness Principles & Continuing Airworthiness
- EASA Part 21 Introduction
- Basic intro to the DOA-POA relationship
- Introduction Role & Purpose of an STC EASA / FAA

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Detailed Content / Topics (the following subjects will be addressed)

Day 2

- Introduction the role of PMA / EPA
- Introduction to Aircraft Certification Specification CS 25
- Flight Test Overview
- Introduction & Regulatory Drivers for OSD
- FAA TSO / EASA ETSO Considerations
- EASA Certification Review Items (CRI) & FAA Acceptance
- Enhanced Airworthiness Program for Aeroplanes Systems (EAPAS)
- CS 25 Subpart H Electrical Wiring Interconnect Systems (EWIS)
- Repair Approval Procedures
- Equipment Approval Procedures

Day 3

- Subpart G Production Organisation Approval
- PART 21 G Quality Systems
- SMS in a Part 21 Organisation
- Managing Competency in a Part 21 POA organization
- Subpart F Production without POA (Production Organisation Approval)
- Subpart G Production Organisation Approval
- Mandatory Reporting Obligations
- Subpart G / Subpart J interface
- Introduction to EASA Airworthiness Directives
- Service Bulletins (SB) Vendor Service Bulletins (VSB)

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Detailed Content / Topics (the following subjects will be addressed)

Day 4

- Subpart J Design Organisation Approval
- Certification of Products, Parts & Appliances
- EASA Part 21 Design Certification – Proportionality & Level of Involvement
- Type Certificate Data Sheet Considerations
- EASA Delegation Processes (Part 21 Subpart J)
- Subpart J Stakeholders in the Design Assurance System
- Compliance Verification Engineer (CVE)
- Developing & Managing Instructions for Continued Airworthiness ICAW
- Subpart M – Repairs
- Subpart P – Permit to Fly
- Subpart Q – Identification of Products, Parts and Appliances

Target Groups

Nominated personnel and other key personnel in 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 of Aircraft Parts.

Pre-Requisites

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

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Learning Objectives

A detailed understanding of Aviation Product Design and Production regulatory driven processes.

A thorough understanding of the associated terminology and procedures including changes to Type Design, Control of Supplementary Type Certificates (STC) (modifications) and repairs.

This training is intended to focus on the essential elements to provide a comprehensive understanding of the entire Design Organization / Production Organization Process.

What do People Say about Sofema Aviation Services Training?

"The course exceeded my expectations."

"Everything was in appropriate timing and in good climate."

"Maximum points for the instructor's effort and explanation from me."

"The instructor provided enough room for all the questions to be asked"

"We received a lot of additional information to make things clearer."

Duration

4 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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