

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) A robust awareness of the structural composition and impact of Part 21 Regulation.
- b) Understanding Organisational Roles and Responsibilities Compliant with EASA Part 21 oversight
- c) Insights into the environment driving the Part 21 / STC process, enabling better business decisions.

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

- d) Confidence in ensuring full compliance and identifying optimization opportunities.
- e) A clear understanding of the process to issue a Permit to Fly.
- f) Gain a detailed understanding of Aviation Product Design and Production regulatory-driven processes.
- g) A thorough understanding of the associated terminology and procedures including changes to Type Design, Control of Supplementary Type Certificates (STC) (modifications), and repairs.
- h) In addition to consider the various challenges which face an organisation on an ongoing basis to maintain and manage full compliance.
- i) To consider how to ensure full compliance is maintained through the management of competence and the delivery of a strong Quality & Safety System.

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

Day 1

- Revision Status Update
- Definitions & Abbreviations
- Common AMC Material and Other Related Certification Guides
- Part 21 G & J General Introduction
- EASA Regulatory Overview, Basic Regulation 1139/2018 & EASA Terminology
- Commission Regulation 748 / 2012
- Design Aspects of Airworthiness
- The EASA Certification Process
- Introduction to System Safety Aspects of Compliance for New Designs and Modifications

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

Day 2

- Certification of Products, Parts & Appliances
- Subpart J Design Organisation Approval
- EASA Part 21 Subpart J Management System & SMS Considerations
- EASA Part 21 Design Certification - Proportionality & Level of Involvement
- EASA Delegation Processes (Part 21 Subpart J)
- Practical Considerations related to the Design Assurance System and the roles and responsibilities including CVEs
- Design Organisation Approval (DOA) interface with Production Organisation Approval (POA)
- SUBPART F — Production Without Production Organization Approval (POA)

Day 3

- SUBPART G — Production Organization Approval
- Quality Considerations within an EASA Part 21 G Organisation
- Safety Management within an EASA Part 21 G Organisation
- Approved Parts / Acceptable Parts / PMA Parts / EPA Parts
- Occurrence Reporting Reg 376/2014

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

Day 4

- Typical Level 2 Findings during POA Audit
- Introduction Role & Purpose of an STC
- Flight Test Overview
- Developing & Managing Instructions for Continued Airworthiness ICAW
- Airworthiness Directives AD's
- Introduction & Regulatory Drivers for OSD
- Enhanced Airworthiness Program for Aeroplanes Systems (EAPAS)
- CS 25 Subpart H Electrical Wiring Interconnect Systems (EWIS)
- Certification and Approval Process EASA ETSO
- 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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