

FAA FAR-145 & FAR-43 for Repair Stations located outside the U.S. not under a BASA/MIP – Initial – 3 Days

Introduction

Of all the parts that make up FAA regulations in Chapter 1 of Title 14, Aeronautics and Space in the Code of Federal Regulations, only one part speaks solely to mechanics.

Part 43 is that rule.

It sets the requirements for what kinds of U.S. registered aircraft mechanics can work on, who can work on the aircraft, and who can sign off the aircraft’s logbook.

It also defines the standards for the work which is performed, and record keeping requirements.

Part 43, Maintenance, Preventive Maintenance, Rebuilding and Alteration, is one of the three core regulations or foundation stones that set the standards for the U.S. aviation industry.

The other two are part 21, Certification Procedures for Products and Parts, and part 91 General Operating and Flight Rules.

These three rules are identified on the FAA Form 8100-2 Standard Airworthiness Certificate.

The purpose of part 43 is to ensure that an aircraft is “airworthy” after work has been performed.

Part 145 sets forth safety standards necessary to inspect and maintain aircraft and aircraft parts. These safety standards ultimately benefit the maintenance personnel, passengers, and flight crew. For example, Subpart C Housing and Facilities Requirements are designed to keep maintenance personnel safe and provide a safe working environment, while Subpart E Operating Rules result in a safe aircraft that can be used by the flight crews to provide a safe and efficient mode of transportation.

This training course describes in detail 14 CFR part 43 and part 145 and the relationship to U.S. air carriers for a foreign certificated repair station located outside the United States in a country that does not have a Bilateral Aviation Safety Agreement with the FAA.

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

- a) A deep understanding of the United States Code of Federal Regulations Title 14 Part 145 and Part 43.
- b) An understanding of the term “Airworthy” and relevant Airworthiness Limitations, Critical Design Configuration Control Limitations (CDCCL).
- c) An understanding of the differences between approved parts, accepted parts, OEM and PMA parts.
- d) Knowledge of the rules that must be followed to change an aviation products Type Design.

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

- e) An in-depth understanding of how to ensure compliance to Repair Station housing and facilities requirements.
- f) Knowledge of inspection personnel and return to service personnel responsibilities and training and qualification requirements.
- g) Best practices to ensure that maintenance release and return to service documents comply with FAA requirements.
- h) The relationship between Part 145 and Part 43 and the linkage to Part 121 responsibilities.
- i) Understanding of the procedures required to be contained in a Repair Station Manual and Quality Control Manual.

Detailed Content / Topics - The following Subjects will be addressed

- Introduction
- Terms & Definitions
- History Of The FAA
- Introduction And Structure Of The FARs
- Understanding Airworthiness
- 14 CFR Part 145 Framework
- 14 CFR Part 145 Subpart A – General

- 145.1 Applicability
- 145.3 Definition Of Terms
- 145.5 Certificate And Operations Specifications Requirements
- 145.12 Repair Station Records: Falsification, Reproduction, Alteration, Or Omission

- 14 CFR Part 145 Subpart B – Certification

- 145.51 Application For Certificate
- 145.53 Issue Of Certificate
- 145.55 Duration And Renewal Of Certificate
- 145.57 Amendment To Or Transfer Of Certificate
- 145.59 Ratings
- 145.61 Limited Ratings

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Detailed Content / Topics - The following Subjects will be addressed

– 14 CFR Part 145 Subpart C – Housing, Facilities, Equipment, Materials, And Data

- 145.101 General
- 145.103 Housing And Facilities Requirements
- 145.105 Change Of Location, Housing, Or Facilities
- 145.107 Satellite Repair Stations
- 145.109 Equipment, Materials, And Data Requirements

– 14 CFR Part 145 Subpart D – Personnel

- 145.151 Personnel Requirements
- 145.153 Supervisory Personnel Requirements
- 145.155 Inspection Personnel Requirements
- 145.157 Personnel Authorized To Approve An Article For Return To Service
- 145.159 Recommendation Of A Person For Certification As A Repairman
- 145.160 Employment Of Former FAA Employees
- 145.151 Personnel Requirements
- 145.153 Supervisory Personnel Requirements
- 145.155 Inspection Personnel Requirements

– 14 CFR Part 145 Subpart E – Operating Rules

- 145.201 Privileges And Limitations Of Certificate
- 145.203 Work Performed At Another Location
- 145.205 Maintenance, Preventive Maintenance, And Alterations Performed For Certificate Holders Under Parts 121, 125, And 135, And For Foreign Air Carriers Or Foreign Persons Operating A U.S.-Registered Aircraft In Common Carriage Under Part 129
- 145.206 Notification Of Hazardous Materials Authorizations
- 145.207 Repair Station Manual
- 145.209 Repair Station Manual Contents
- 145.211 Quality Control System
- 145.213 Inspection Of Maintenance, Preventive Maintenance, Or Alterations
- 145.215 Capability List
- 145.217 Contract Maintenance
- 145.219 Recordkeeping
- 145.221 Service Difficulty Reports
- 145.223 FAA Inspections

- 14 CFR Part 39 Airworthiness Directives
- 14 CFR Part 43 Applicability
- Who Can Work On An Aircraft?
- Who Can Sign-off Work Performed On An Aircraft?
- Performance Rules
- Recordkeeping
- Part 43 Appendices

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Target Groups

Quality Managers; Quality Engineers; Inspection Personnel; Return to Service Personnel; Safety Managers / Personnel; Maintenance Managers / Supervisors / Mechanics / Technicians; Planning Personnel; Technical Services Personnel; Supply Chain Personnel; Stores Personnel from the following organizations:

Operators/Air Carriers; Repair Stations/Approved Maintenance Organizations; Organizations seeking 14 CFR Part 145 approval; Staff from National Aviation Authorities.

Pre-Requisites?

A background in an aviation environment.

Learning Objectives:

By the end of this course, delegates will be able to:

- Secure knowledge of the key components of FAA FAR Part 145 and FAR Part 43.
- Provide examples as to the 'know how' as well as the 'know what' by looking at a practical perspective of FAA FAR Part 145 and FAR Part 43.
- Implement FAA FAR Part 145 within an Organization.
- Understand the interface between FAA FAR Part 145 and Part 43.
- Provide a regulatory and industry perspective for staff involved in FAA FAR 145 in accordance with the maintenance rules of FAR Part 43.

Certificates Wording:

U.S. Code of Federal Regulations Title 14 Part 145 Repair Stations All Subparts; Part 43 Maintenance, Preventive Maintenance, Rebuilding and Alteration; Part 39 Airworthiness Directives, Understanding of Airworthiness Principles; Maintenance Release and Return to Service Requirements

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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

3 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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