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ACADEMY**



# **FACTSHEET**

**TECH-040 Structural Repair Manual (SRM)  
Training Boeing-Airbus**

<https://www.efcomposites.com/>

<https://elearning.edutech.efcomposites.com/>



## TECH-040 Structural Repair Manual (SRM) Training Boeing-Airbus

### Introduction

This SRM course prepares the participant to perform or interpret repairs within the Boeing and Airbus Structural Repair Manual (SRM) scope.

The course includes repair case studies that require the participant to determine aircraft identification, part identification, allowable damage limits, and repair options if within the scope of the SRM.

This course satisfies ATA 104 Level IV.

Every Aircraft OEM issues an SRM for each type of class 1 product (a complete aircraft, engine or propeller named certificated). In this course, participants will learn how to use the SRM and understand the ATA-100 structure.

### Abbreviations used:

- **SAE:** Society of Automotive Engineering
- **SAE - CACRC:** Commercial Aircraft Composite Repair Committee
- **SAE- AIR:** Aerospace Information Report
- **SAE- ARP:** Aerospace Recommended Practices
- **FAA:** Federal Aviation Administration
- **EASA:** European Union Aviation Safety Authority
- **OEM:** Original Equipment Manufacturer
- **MRO:** Maintenance Repair Overhaul organization
- **EFC:** Earth & Flight Composite training
- **ATA:** Air Transport Association
- **SB:** Service Bulletin

### Course duration

5 Day course (38 hours + 2 hours examination)





## **TECH-040 Structural Repair Manual (SRM) Training Boeing-Airbus**

### **Advised Pre-Requisites**

- Experience in an aviation environment
- Read, write and understand and speak conversational and technical English

### **Participant Target Group**

Maintenance technicians, Inspectors, Auditors and Engineers involved in structural repair

### **Course Objectives**

**Upon completion of the course, the students will be able to:**

- Will know the content of the SRM
- Understand the chronological order of an SRM.
- Can find and interpret repair options in the Boeing and Airbus SRM
- Discuss the Front Matter
- Identify and determine the effectivity of an Aircraft.
- Make use of the Transmittal Letter
- Can find the SB list
- Identify specific aeroplane parts and locations.
- Chapter-Section Numbers And Titles For Chapters 52 Thru 57
- Identify the component structures and the related materials
- Find allowable damage limits within the SRM and understand how to make use of this.
- Identify types of damage that are repaired following the SRM limitations.
- Identify the differences between repair types.
- Find repairs for specific damage exercises.
- Can identify the correct repair methods related to damage size.
- Chapter-Section Numbers And Titles For Chapter 51
- Definitions of Terms
- Standard Processes and Procedures
- Protective Treatment of Materials







## TECH-040 Structural Repair Manual (SRM) Training Boeing-Airbus

- Sealant Usage
- Fasteners
- General Repairs
- Damage Evaluation

### Course Content Classroom Training

- Introduction to the Boeing SRM revision data
- Comparison between Boeing and Airbus SRM
- Aeroplane (Composite) Part Identification and Locations per type make of Aircraft
- Post repair and Inspection Methods
- Damage classification and repair procedures
- Allowable Damage Limits and Repair Design

### SRM Manual Training

- Repair allowable or Not allowable damages according to damage assessment
- Time-limited repairs
- Use of SAE AIR 4844 "Composites and Metal Bonded Glossary."

### Number of Participants

**Minimum required 2\* and a maximum of 8 per course\*.**

\* Courses are confirmed as running by EFC as soon as sufficient participant enrolments are received!





### Method of Training

Classroom session of 50 minutes. We are transferring actual theoretical knowledge in a classroom environment.

- Use of digital multimedia, computer-based training with SRM chapters
- Use of technical documentation, handouts
- Practical assessment of damaged panels
- Group work
- Each participant keeps a personal logbook of the steps taken in the specific SRM chapters

### Examinations

EFC, as Training Provider, will monitor the participant's performance throughout the program.

- Participants are administered a practical certification assessment following workshop classes.
- Instructor(s) use a checklist for the evaluation and certification.
- The examination will be a closed book.
- Successful completion is 75% correct answers
- Re-examination is possible.

As an approved training provider, EFC complies with the European AVG/[GDPR rules](#) as effective on May 25th, 2018, concerning the storage of training records and private information of participants who attended our courses. Participant sign-in on an Administration form for approval of storage of their (company) e-mail/ and training records





## TECH-040 Structural Repair Manual (SRM) Training Boeing-Airbus

### Onsite Training and at Request

To save time and travel and expense, EFC can run this course 'On-Site'\* at your facility under our Terms & conditions. [Contact us](#) for a quotation.

\*Onsite training can involve additional cost; Instructor(s) Travel, lodging, daily allowance and sometimes shipping.

See also our [Onsite information web page!](#)

Our other courses, are shown on our [course overview page](#) and on request we can run most courses onsite.

### Course Pricing

All listed course prices are **Excl. VAT.** (Dutch VAT is 21%). EFC complies with Dutch tax laws.

See EFC website for actual price per course seat.

On request, we can send an invoice instead of paying direct On-line with PayPal, IDEAL or credit card payment is secure through [PayPal](#) or [Stripe](#).

Companies on request can send a purchase order and receive an invoice of the total cost for enrolment.

### Currency and Recurrent Training Recommendations

Currency: Personnel should demonstrate continued competence every three years by performing a repair or by completing a practical assessment under the direct supervision of an examiner (an instructor authorized by the organization or by having participated in or performed at least six repairs applicable to the specific certification (i.e. Part 1, Part 2, et al.) in the three years.)

Please contact us for our currency or recurrent training program **EFC TECH-022** and **EFC TECH-023**.





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For information & requirements, contact us at e-mail at [info@efcomposites.com](mailto:info@efcomposites.com)



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