

AMS103b - Structural repairs

From the Advanced Master AMS: E&M

(Aeronautical Maintenance and Support: Engineering & Management)



Highlights

- Structural repairs in practice
- Industrial expertise

This module provides a comprehensive understanding of structural repairs as applied to metallic and non-metallic items.

Prerequisites

- Aircraft architecture and structure knowledge;
- Engineering background.

Key elements

Period: **Late October**

Estimated Duration: **10 hours**

For whom:
**recent graduates, jobseekers
and experienced employees**

Location:
ISAE-SUPAERO, Toulouse

Language: **English**

Learning objectives

After completing this course, participants will be able to:

- Describe structural repair process and techniques;
- Analyze a structural repair manual.

Information and registration

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Course content

Structural repairs:

- Categories of damages
- Repair scenarios and criteria
- Common methodologies and state-of-the art rules
- Repair definition justification
- Airworthiness approval process
- Structural repair manual
- Case studies

Teaching methods

Teaching methods	Yes
Lectures / tutorial	X
Collaborative learning	
Flipped classroom	
Blended learning (online and face to face)	
Learning by doing	X
Project-based	
Simulation	
Case study	X

Assessment

- Written test
- Marked seminars