AMS107a - Aviation regulation and Airworthiness

From the Advanced Master AMS: E&M
(Aeronautical Maintenance and Support: Engineering & Management)

Key elements

Period: **Mid-October to Early November**

Estimated duration: **10 hours**

For whom:
recent graduates, jobseekers and experienced employees

Location:
ISAE-SUPAERO, Toulouse

Language: **English**

Highlights

- Certification process
- EASA regulation
- Aviation safety

Provide a comprehensive understanding of civil aviation safety objectives, laws and technical regulations, with a focus on the European organization and processes for airworthiness and operations.

Learning objectives

After completing this course, participants will be able to:

- Describe the international safety objectives;
- Describe the applicable European regulatory bodies for initial and continued airworthiness, operations using proper terminology;
- Understand the scope and significance of airworthiness documents.

Prerequisites

- Aircraft architecture and basic aeronautics knowledge

Information and registration

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Course content

Aviation safety objectives:

- Definitions
- Acceptable level
- Results
- Safety programs

International conventions:

- ICAO organization
- Chicago conventions principles
- Standards
- Definitions

European regulations:

- EASA organization and responsibilities
- EASA regulations and approvals

Airworthiness regulation:

- ICAO principles
- European type certification process
- Airworthiness documents
- Approval of changes
- Continued airworthiness

Operations regulation:

- ICAO principles
- EASA Air operations regulation
- Air operator
- Operations manual

Teaching methods

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

Assessment

Written exam