This module provides a thorough examination of requirements of EASA for continued and continuing airworthiness. A more dedicated focus on continuing airworthiness management, maintenance organizations and in-service occurrence reporting and airworthiness directive processes is provided. Considering the related specificities for maintenance activities, the module also describes extended operations (ETOPS/EDTO) and associated requirements.

**Prerequisites**
- Familiarization with air laws and airworthiness;
- Aircraft architecture and basic aeronautics knowledge.

**Learning objectives**
After completing this course, participants will be able to:
- Describe the applicable EASA regulations for continued and continuing airworthiness;
- Describe the EASA Part-21 maintenance requirements, and EASA Part-M/145/147/66 obligations applicable to involved stakeholders;
- Understand the in-service occurrence reporting system and the significance of an airworthiness directive;
- Understand the maintenance requirements significance for extended operations.

**Key elements**
- **Dates:** January 30 to March 20, 2023 (exam: February 13)
- **Duration:** 23 hours
- **For whom:** recent graduates, jobseekers and experienced employees
- **Location:** ISAE-SUPAERO, Toulouse
- **Course fees:** €2,000
- **Language:** English

**Highlights**
- EASA regulations in practice
- Industrial expertise
- ETOPS approval

**Practical information and registration**
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AMS500 - Continuing & continued airworthiness
From the Advanced Master AMS: E&M
(Aeronautical Maintenance and Support: Engineering & Management)
Course content

Continued airworthiness:
• In-service occurrence reporting
• Investigation process
• Airworthiness review meeting
• Airworthiness directive
• Practical cases

Continuing airworthiness:
• Context and applicable regulations
• EASA Part-M (continuing airworthiness management)
• EASA Part-145 (maintenance organizations)
• EASA Part-147 (training organizations)
• EASA Part-66 (certifying staff)

ETOPS/EDTO operations:
• Concept, background and experience
• Regulation
• ETOPS approval (type design and reliability, operational)
• ETOPS maintenance requirements and practices (policies, procedures, reliability program)

Case study on continuing airworthiness and aircraft transfer

Teaching methods

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<thead>
<tr>
<th>Teaching methods</th>
<th>Yes</th>
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<tbody>
<tr>
<td>Lectures / tutorial</td>
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<tr>
<td>Collaborative learning</td>
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<td>Flipped classroom</td>
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<td>Blended learning (online and face to face)</td>
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<td>Learning by doing</td>
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<td>Case study</td>
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Assessment

Written exam 50 % - Case studies report evaluation 50 %