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.

* not compulsory

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

**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: 1 - 5 February 2021 (exam: 11 February 2021*) |
| Duration: 24 hours |
| For whom: recent graduates, jobseekers and experienced employees |
| Location: ISAE-SUPAERO, Toulouse |
| Course fees: 2 000 € |
| Language: English |

**Practical information and registration**
Natalia Perthuis - 05 61 33 80 47 – info.exed@isae-supaero.fr
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

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

Assessment

Written exam 50 % - Case studies report evaluation 50 %