HAD502 - Drone safety & airworthiness
From the MS HADA (Helicopter, Aircraft and Drone Architecture)

Key elements
Period: January
Estimated duration: 15 hours
For whom: recent graduates, jobseekers and experienced employees
Location: ISAE-SUPAERO, Toulouse
Language: English

Highlights
- UAS airworthiness
- Specific Operational Risk Assessment
- UAS Traffic Management

UAS (Unmanned Aircraft System) operations are risk based while the access to the airspace is performance based. This module presents how UAS airworthiness is managed depending on the operation and how the air risk could be mitigated with UTM (UAS Traffic Management).

Prerequisites
- Basic knowledge in Aeronautics

Learning objectives
After completing this course, participants will be able to:
- Manage UAS airworthiness;
- Understand ICAO and EASA regulations.

Information and registration
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Course content

- ICAO UAS regulation
- EASA UAS regulation
- JARUS (Joint Authorities for Rulemaking on Unmanned Systems)
- SORA (Specific Operational Risk Assessment) methodology
- UTM/ U-space
- Tutorials on SORA methodology and management of the air risk.

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>
<td>X</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>Project-based</td>
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<td>Simulation</td>
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<td>Case study</td>
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Assessment

- Oral presentation and practical session