HAD502 - Drone safety & airworthiness

From the MS HADA
(Helicopter, Aircraft and Drone Architecture)

Key elements

Period: **Late 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).

Learning objectives

After completing this course, participants will be able to:

- Manage UAS airworthiness;
- Understand ICAO and EASA regulations.

Prerequisites

- Basic knowledge in Aeronautics

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

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

Assessment

- Oral presentation and practical session