

DRONE Training Module

SORA | Design Verification | Safety
for Drones | MANEX&LUC | SMS



Year 2024

POC

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SORA Methodology

Course Objective

Intended for Drones manufacturers and operators who wish to acquire knowledge of this methodology and prepare for its deployment.

Participants

Professionals involved in SORA analysis and drones operations of the Specific class.

Lecturer Background

JARUS Expert, 30 years of experience. Professor & Researcher in advanced Engineering schools and Universities in Europe.

Schedule*

Morning

- Reminder: Regulation of the Specific class (PDRA and SORA, DV)
- Risk approach and expectations, SORA
- JARUS Safety approach (Operation, System)
- Civil aviation authority and EASA expectations

Afternoon

Study Case:

- CONOPS, appendix A
- GRM, appendixes F&B
- ARM, appendixes C,D,G
- SAIL&OSO, appendix E

*: Schedule designed for training in AIS facilities. For training on Client site facility, a customize program is possible on request.

Duration : 1 Day / 7 Hours

Cost: 700 € (AIS Toulouse site / France)
On Request (Client site)

Course Languages



Prepare Design Verification

Course Objective

Intended for Drones manufacturers who wish to acquire knowledge of this methodology and prepare for its deployment.

Participants

Professionals involved in the construction of a DV of drone solution in the Specific class.

Lecturer Background

JARUS Expert, 30 years of experience. Professor & Researcher in advanced Engineering schools and Universities in Europe.

Schedule*

Morning

- Reminder: Regulation of the Specific class (SORA and DV)
- Role and responsibilities of stakeholders, DV expectations
- EASA approach
- DV Plan and Schedule

Afternoon

Study Case:

- Familiarisation
- Construction DV basis, Template, Baseline
- MOC&POC: Construction, Demo, Concept
- Risk and opportunities

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Duration : 1 Day / 7 Hours

Cost: 700 € (AIS Toulouse site / France)
On Request (Client site)

Course Languages



SAFETY for Drones

Course Objective

Intended for Drones manufacturers of the Specific class who wish to acquire knowledge of Safety analysis and prepare for its deployment.

Participants

Professionals involved in Safety analysis and drones engineering solution.

Lecturer Background

Safety Expert, 30 years of experience. Professor & Researcher in advanced Engineering schools and Universities in Europe.

Schedule*

Morning

- Reminder: SORA
- Risk approach and needs: DV and Certification
- ARP4754 and CM
- Systems Safety ARP4761, ASTM concept of DAL
- Presentation of DO178, DO254, DO326 baseline

Afternoon

- Construction of AFHA (ED 279)
- Logical/Physical allocation
- Safety requirements, Prediction and DAL
- Expected Safety Demo

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Duration : 1 Day / 7 Hours

Cost: 700 € (AIS Toulouse site / France)
On Request (Client site)

Course Languages



MANEX & LUC

Course Objective

Intended for Drones operators and manufacturers of the Specific class who wish to acquire knowledge of MANEX&LUC and prepare for its deployment.

Participants

Professionals interested to find out more on MANEX&LUC (Civil aviation authority and EASA) baseline.

Lecturer Background

Independent Assessor DGAC and EASA. Professor in advanced Engineering schools in Europe.

Schedule*

Morning

- MANEX and LUC, background, challenges, regulation, authorities (Civil aviation and EASA), manufacturers and operators
- Reminder - SORA
- MANEX
- LUC

Afternoon

- MANEX key issues
- LUC key issues
- MANEX/LUC and relationship between Supply chain/Supplier

*: Schedule designed for training in AIS facilities. For training on Client site facility, a customize program is possible on request.

Duration : 1 Day / 7 Hours

Cost: 600 € (AIS Toulouse site / France)
On Request (Client site)

Course Languages



SMS

Safety Management System

Course Objective

Intended for Drones operators and manufacturers who wish to acquire knowledge of SMS and prepare for its deployment.

Participants

Professionals interested to find out more on SMS baseline and prepare for its deployment in the Drone industry.

Lecturer Background

Independent Assessor.Safety Expert, 30 years of experience.

Schedule*

Morning

- SMS, background, challenges, authorities (Civil aviation, EASA, ICAO...)
- Company SMS manual
- The process risk approach

Afternoon

- Safety Risk Assurance and Management
- SMS development
- SMS and supply chain
- SMS maturity, KPIs

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Duration : 1 Day / 7 Hours

Cost: 600 € (AIS Toulouse site / France)
On Request (Client site)

Course Languages



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