

TRAINING COURSE

UAS-SORA 2.5 (Specific Operations Risk Assessment for Unmanned Aircraft Systems)

Introduction

The risk-based regulatory approach for UAS is endorsed by ICAO in the Foreword to Part IV of Annex 6 to the Chicago Convention. In the European Union this approach is implemented through Commission Regulation EU 2019/947, establishing three risk-based categories of operations: Open, Specific and Certified.

Art. 11 therein requires for the specific category a process for risk assessment and implementation of mitigations to satisfy the safety objectives. The Joint Authorities for Rulemaking on Unmanned Systems (JARUS) recommended a Specific Operation Risk Assessment (SORA) methodology by for worldwide application already in 2017. V2.0 was released by JARUS in 2019. V2.0 of SORA was recommended for use in Europe by EASA (AMC1 to Art. 11 of EC 2019/947) in October 2019.

In 2024, JARUS published a new version of SORA, namely SORA v2.5, which has introduced significant innovations (e.g. consideration of population density for the ground risk). Presently, either version may be accepted by competent authorities in different jurisdictions anywhere in the world, including in ECAC.

In September 2025, EASA amended AMC1 to Art.11 to transpose v2.5 into the EU common 'soft' rules for UAS safety.

In doing so, EASA more specifically clarified the respective responsibilities of that Agency at EU level, of the national competent authorities, as well as the different roles of UAS designers, manufacturers and operators.

The course will focus on:

- Safety Assessment Methodologies in UAS Regulations
- SORA 2.5 approach for the evaluation of the Ground Risk
- 'old', but still possibly applicable approach v2.0 for Ground Risk
- SORA 2.5 approach for evaluation of the Air Risk (unchanged in relation to v2.0)
- SORA 2.5 Annexes, including Operation Safety Objectives (OSOs) and supporting documentation.

The course aims to provide a deep overview of the SORA methodology (both v2.0 and v2.5) and also practical examples of application and exercises to enable participants to apply such methodology in their everyday job, as

applicants or inspectors.

🕒 COURSE DURATION

3 Days - 09:00-16.30 on first two days, 09:00-16.00 on the third day

👤 TARGET GROUP

Aviation professionals, CAA Inspectors, Operators and Manufacturers feel the need to learn how to apply the SORA methodology to develop or evaluate safety assessments for operations in the Specific category. The assessment is always required in this category, whether for a standard scenario, an application for authorisation, or internal records of the certified UAS operator.

The target group includes:

- ➔ Middle managers, policy advisors, rulemaking officials, developers of pre-defined risk assessments (PDRA) and inspectors of CAAs;
- ➔ Middle managers of the UAS industry, remote pilots, instructors and other aviation professionals desiring to receive training on the SORA methodology to prepare for future application in the "specific" category;
- ➔ Personnel of Air Navigation Service Providers (ANSPs) wishing to better understand how SORA deals with the interaction between UAS and other traffic in the airspace.

Read more about the course Content, Learning Objectives and Pre-requisites on the website:
www.jaato.com