
Second Workshop Report

D5.3

AW-Drones

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AW-Drones

CONTRIBUTING TO A WELL-REASONED SET OF AIRWORTHINESS STANDARDS FOR MASS-MARKET DRONES

Abstract

This document reports on the set-up and results of the second AW-Drones Workshop, detailing the issues identified and the resultant priorities.

The 2nd AW-Drones workshop, dedicated to “Technical standards to support U-Space implementation in Europe”, was held online on the 5th of November 2020.

The event was organised online because of the travel restrictions due to the pandemic, in particular in the form of a webinar for organisational reasons, due to the high number of participants. Overall, more than 200 people from different backgrounds (including industry, academia, and ANSPs) and from 37 countries took part in the webinar. Although the webinar modality does not allow so much interaction with the audience, a well participated Q&A session has been carried out.

The main objective of the webinar has been to present stakeholders with the identification and mapping between relevant standards and U-Space regulatory requirements, so that they could understand priorities and needs for its implementation in Europe.

A full report of the workshop can be also found on the project’s website¹. There, a full video recording of the event is also available.

All the personal data of the workshop participants have been collected, stored and managed following the Protection of Personal Data Policy of the project detailed in Deliverable 8.1.

¹ <https://www.aw-drones.eu/2020/2nd-aw-drones-webinar/>



2nd AW-Drones Webinar

“Technical standards to support U-Space implementation in Europe”

The European Union funded AW-Drones for it to support the ongoing EU drone regulatory and standardisation process. In order to do so, the AW-Drones project is **collecting existing technical standards**, rules and procedures for the commercial use of drones worldwide. It is critically assessing their compliance to existing and foreseen regulations. AW-Drones presents this information to EASA, the National CAAs, and standardization bodies with a yearly state-of-the-art report.

This report presents a structured overview of the standards published and under development. Its main objective is to increase awareness of the current global drones' rulemaking and standardization state-of-the-art. As a result, it fosters the identification of best practices, gaps and bottlenecks for the safe use of civilian drones.

In order to present to the broader drones community, the accomplishments reached up to this point, AW-Drones held this 2nd public event on the 5th of November 2020.

- Date:** September 19, 2019
- Hours:** 09.30 – 13.00
- Type of meeting:** Virtual
- Participation:** 200 persons [over 300 persons registered representing more than 215 companies & organisations (including industry, ANSPs and academia from 37 countries)]
- Objective:** Primarily, the objective of the webinar was to present stakeholders with the identification and mapping between relevant standards and U-Space regulatory requirements, so that they could understand priorities and needs for its implementation in Europe. In addition, the webinar provided participants the chance to ask questions and share their views with the project team, Standard Design Organizations experts, and officers from the European Commission and EUROCONTROL
- Agenda:**
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|-------------|--|
| 09.30-09.45 | Welcome & Introduction , Vladimir Cid-Bourié (INEA, Project Officer) and Damiano Taurino (Deep Blue, AW-Drones Coordinator) |
| 09.45-10.15 | AW-Drones Overview , Marco Ducci (AW-Drones Deputy Coordinator) |
| 10.15-10.30 | U-space EU Regulatory Framework , Nicolas Eertmans (European Commission, DG Move) |
| 10.30-10.45 | R&D Perspective on U-space , Andrew Hatelly (Eurocontrol) |
| 10.45-11.00 | U-space Standardization Activities , Christian Schleifer (EUSCG) |
| 11.00-11.20 | Break |
| 11.20-11.50 | AW-Drones Assessment of U-Space Standards , Andres Van Swalm (AW-Drones) |
| 11.50-12.20 | AW-Drones Survey Results: The Operator's Perspective of SORA , Peter van Blyenburgh (AW-Drones) |
| 12.20-13.00 | Interactive Session and Wrap-up : Structured answers to the Q&A session. The transcription of the Q&A sessions can be found here. |



Highlights

Damiano Taurino ([Deep Blue](#)), AW-Drones Coordinator, introduced the webinar. Then, Project Officer Vladimir Cid-Bourié ([INEA](#)) welcomed the guests. Next, Marco Ducci ([Deep Blue](#)), AW-Drones Deputy Coordinator, provided an overview of the project, highlighting in particular the need for a set of recommended industry standards to allow operators to comply with regulatory requirements.

Nicolas Eertmans ([EC DG MOVE](#)) described the EU regulatory framework for U-Space, outlining the relation between UAS operators, U-Space Service Providers (USSP), and Air Traffic Service Providers (ATSP). After that, Andrew Hatley ([Eurocontrol](#)) provided the perspective of R&D on U-Space, expanding on CORUS's Concept of Operations for European UTM systems. Later, Christian Schleifer ([EUSCG](#)) took the floor to illustrate U-Space standardization activities, illustrating the relation between authorities and Standard Development Organisations (SDOs).

Two presentations from the point of view of the project followed. Firstly, Andres Van Swalm ([Unify](#)) illustrated the AW-Drones assessment of U-Space standards, explaining the relationship between Common Information Services (CIS) and USSP, and presenting the set of U-Space services that were analysed within the project. Secondly, Peter van Blyenburgh ([Blyenburgh & Co](#)) showed results from the survey conducted on behalf of AW-Drones about the operator's perspective of SORA, expanding on the current and near-future situation for multiple market sectors in the European UAS industry.

Supporting Material

The following information is available:

- [Video recording of the webinar](#)
- [Drones Standards Information Portal: an Open Repository](#) (alias “metastandard”) of the knowledge the project has collected
- [AW-Drones survey on the operator's perspective of SORA: Results](#)
- [AW-Drones survey on the operator's perspective of SORA: Conclusions](#)
- [AW-Drones project brochure](#)
- [SESAR Joint Undertaking's key documents on U-space](#)
- [Consolidated report on SESAR U-space research and innovation results](#)