

TOP-DOWN

Collecting technical rules, procedures and standards already developed for the commercial use of drones worldwide.

AW-Drones will focus on how the standards are covering all the operational requirements, how local rules and procedures integrate and enforce the European regulation, and to what extent they are validated and accepted. A strong link will be established with the major standard making bodies (e.g. EUROCAE, RTCA, ASTM, ISO, ASD-STAN...).



BOTTOM-UP

Committing with key stakeholders and end-users to ensure that standards are adequate and as agreed upon as possible.

AW-Drones will consult with drone sector experts, including manufacturers, regulators, operators, researchers, and standard making bodies.

They will look at the project results to support the harmonisation of standards, rules and procedures.

PROJECT DETAILS

WEBSITE
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LINKEDIN
AW-Drones

CONSORTIUM



CONTACTS

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This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 824292.

**Harmonising drone standards
to support the ongoing
EU regulatory process**

Project duration: Jan 2019 – Dec 2021



THE PROJECT

The lack of harmonised standards is holding back the development of drone-related business, both at a global level and in Europe.

Several studies and surveys (e.g. the European Drones Outlook Study, issued by SESAR) identify a reliable regulatory and standardisation framework as one of the main potential boosters for the drone business.

Therefore, to foster the growth of a safe drone usage, there is a need to implement coherent and interoperable global standards for drones in the EU. AW-Drones tackles this issue, and provides guidance for harmonisation of standards to support future EU drone regulation.

A TWO-FOLD APPROACH

In order to propose best practices and standards, AW-Drones adopts a twofold approach:

a top-down collection and assessment of rules, procedures and standards already developed worldwide, and a bottom-up consultation with key stakeholders and end-users to ensure that standards are adequate and as agreed upon as possible to fulfill regulatory requirements.

OBJECTIVES

AW-Drones supports the rulemaking process for the definition of rules, technical standards and procedures for civilian drones to enable safe and reliable operations in the European Union. The project will achieve this target through 2 sub-goals:

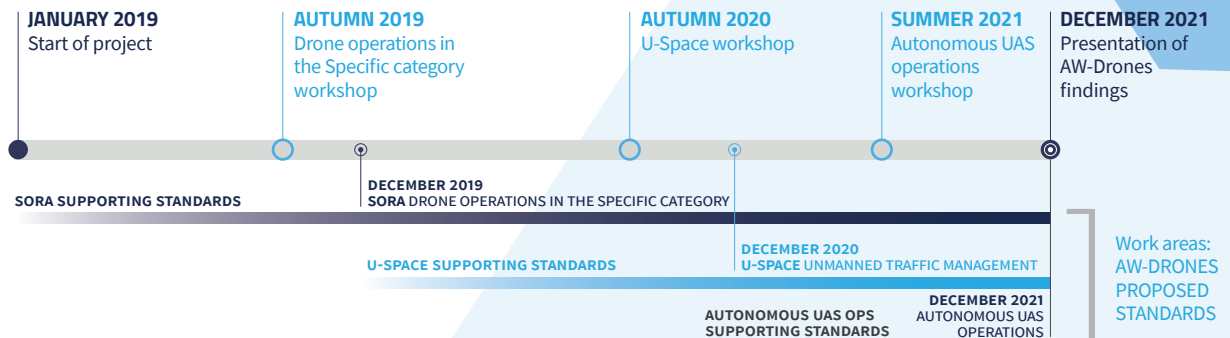
Providing a repository of technical standards and "best practices" to the drone community.

The project will produce an Open Repository of existing standards and "best practices" to support EASA and the EC in their rulemaking process.

Proposing and validating with relevant stakeholders a set of technical standards to comply with existing regulation for drone operations.

AW-Drones will propose the most suitable technical standards for all relevant categories of drones operations.

WORKPLAN



OUTCOMES

After collecting technical standards, rules and procedures, AW-Drones will critically assess their compliance to existing and foreseen regulations. This will lead to the identification of a set of best practices, gaps and bottlenecks, as complete as possible, for the safe use of civilian drones in the EU.

THE REPOSITORY

As a result, AW-Drones will deliver an yearly State-of-the-Art report containing a structured overview of the standards published and under development.

In addition, an Open Repository of the knowledge produced will be made available to the drone community. The Repository will contain information on standards maturity level, coverage of regulation, and identified gaps. The system will enable advanced researches by category of operations