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# OUTCOMES

## Aiding European aviation in conquering the challenges of drones

### Recommended standards

For each requirement stemming from SORA, U-space regulations and the Special Condition Light-UAS, AW-Drones identified a set of recommended standards. Each standard has been assessed against a number of parameters to determine if it is suitable to be used as a Means of Compliance. Depending on the score of the supporting standard, each requirement is classified as:

- green if the recommended standards fully cover the requirement and their individual score is sufficiently high;
- yellow if the recommended standards do not fully cover the requirement or if their individual score is not sufficient to recommend them;
- red if the requirement is not covered by existing standard;
- no standard required.

### Drone Standards Information Portal

The **Drones Standards Information Portal** is an open repository that collects the technical standards, published or under development, for the commercial use of drones worldwide that the project is collecting and assessing against existing and foreseen regulations. It is aimed at becoming a single point of access, offering relevant information about:

- 1 rules, procedures and technical standards developed for civilian drones.
- 2 information on standards' maturity level, coverage of regulation, and identified gaps.
- 3 technical standards for each category of drone operations.

### Surveys on the operator's perspective of drones

During the last two years, AW-DRONES carried out two surveys with the aim to explore the drone operator's perspective of SORA and U-space.

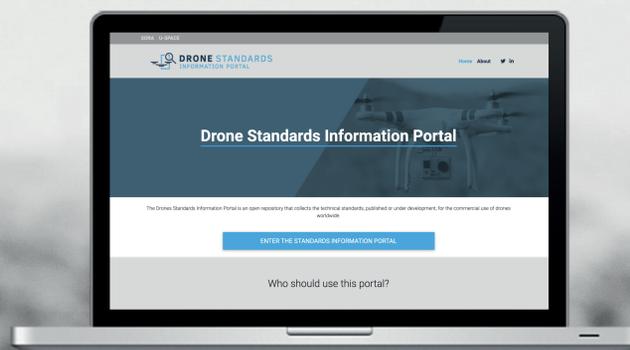
Put together with the assistance of experts with complementary expertise from various countries, the surveys meant to collect insight from the whole UAS community, including operators and manufacturers, also welcoming feedback from other aeronautical stakeholders. The surveys examined the current and near-future situation for multiple market sectors in the European UAS industry.

### SORA Ground Risk Mitigations – Requirements coverage

REQUIREMENT	TITLE	ROBUSTNESS COVERAGE		
M1 - NON TETHERED	Strategic mitigations for ground risk	L	M	H
M1 - TETHERED	Strategic mitigations for ground risk	L	M	H
M2	Effects of UA impact dynamics are reduced	L	M	H
M3	An emergency Response Plan is in place, operator validated and effective	L	M	H

The AW-Drones final report will contain a synthesis of the results, with the above color-coding and a detailed assessment of all standards supporting each requirement.

**Target:** the tool benefits drones operators in the risk assessment and implementation of mitigations, and the European Aviation Safety Agency (EASA) and the European Commission (EC) in the rule-making process.



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### The survey on the operator's perspective of SORA

In May 2020, AW-Drones launched a survey on the operator's perspective of SORA. The UAS OPS survey on drone operations & safety risk assessment gave the European drone operators community a chance to provide their opinion on current and future drone operational matters. It identified the market sectors in which drone flight operations were taking place in compliance with the applicable rules or regulations, and their mission purposes.

### The survey on the operator's perception of U-Space

In April 2021, the project promoted another survey, meant to collect insight on U-space. After evaluating the comprehension of U-space in the Single European Sky (SES) Member State area, it assessed the knowledge level, expectations and concerns of the UAS community about U-space and its implementation. It also gathered opinions on the technical standards required to implement U-space and identified bottlenecks and gaps.

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