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AW-DRONES

Harmonising drone standards to support the ongoing EU regulatory process

A reliable regulatory and standardisation framework for drones could generate potentially

 **100,000 jobs***

*European Drones Outlook Study, issued by SESAR

AW-Drones fosters the rulemaking process to enable safe and reliable civilian drones operations in the European Union. To this end, the project collects drone technical standards, rules and procedures already developed worldwide and assesses their compliance to EU regulatory requirements, showing the coverage of EASA's SORA and U-space regulatory requirements and airworthiness design, and in the end proposing a set of rules, technical standards and procedures for drone operations to comply with EU regulation.

The project will achieve this target through 2 sub-goals:

OBJECTIVES

1



PROVIDING A REPOSITORY OF TECHNICAL STANDARDS AND "BEST PRACTICES" TO THE DRONE COMMUNITY.

The project has produced an Open Repository of existing standards and "best practices" to support the European Aviation Safety Agency and the European Commission in their rulemaking process.

2



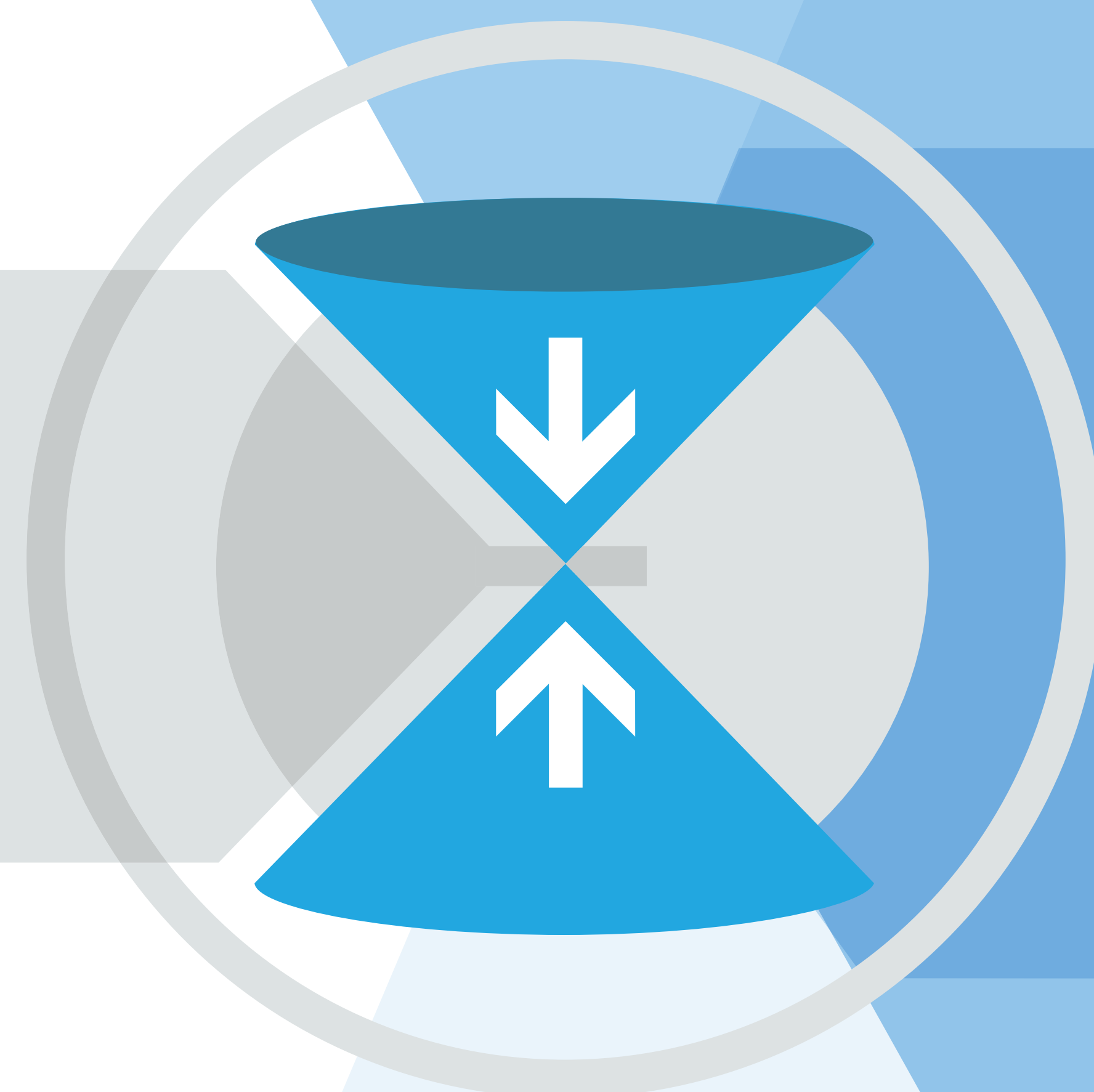
PROPOSING AND VALIDATING WITH RELEVANT STAKEHOLDERS A SET OF TECHNICAL STANDARDS TO COMPLY WITH EXISTING REGULATION FOR DRONE OPERATIONS.

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

METHODOLOGY

TOP-DOWN AND BOTTOM-UP 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.



MULTICRITERIA ANALYSIS

In order to assess the standards, AW-Drones adopts a Multi Criteria Analysis methodology, a tool used to compare and rank different options, especially when involving conflicting objectives. It is often used when the effects of an option on multiple aspects must be considered (for example, the effect of a proposed new regulation on safety, cost, the environment and society).

EASA uses Multiple Criteria Analysis in the Preliminary Rulemaking Impact Assessment.

The method used by AW-Drones is in line with the EASA pre-RIA method as well as with the guidelines for impact assessment provided by the European Commission (EC).



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