

Slido: #IAM2024



EASA
Innovative Air Mobility
Implementation Forum

In cooperation
with:



Facilitation of testing of UAS design and operations



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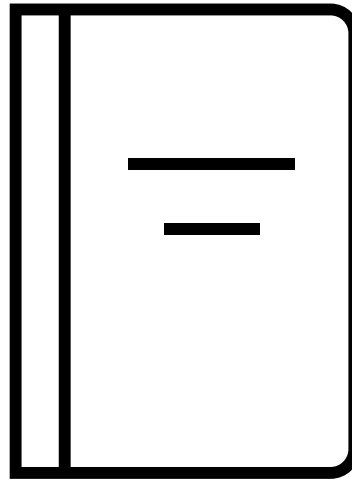
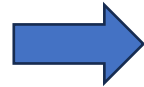
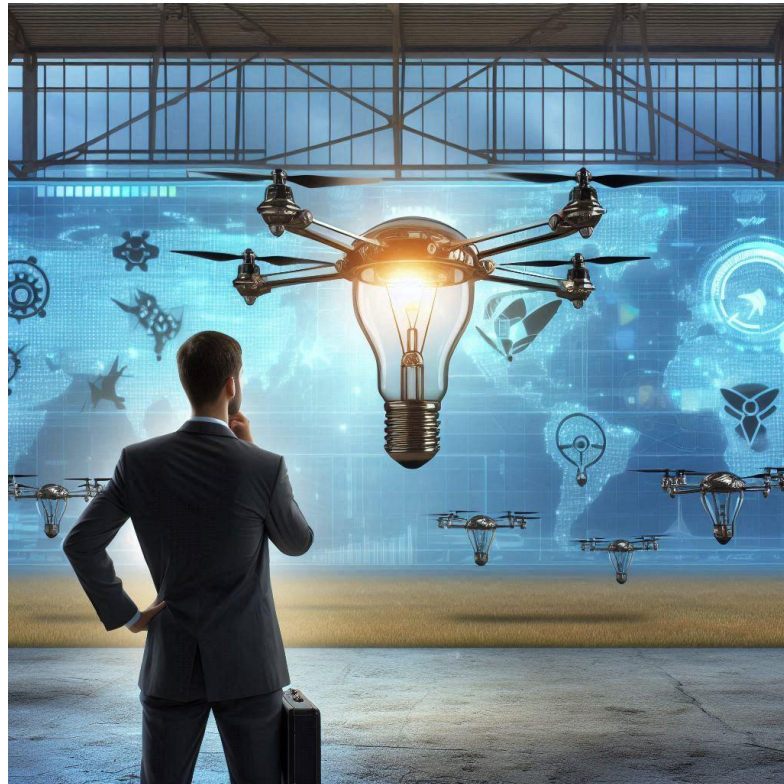
Workshop: facilitation of testing of UAS design and operations

Goal: Identify which possibilities offers the EU regulatory framework to allow and facilitate the testing of UAS



Challenges of UAS testing

Medium/High risk operations



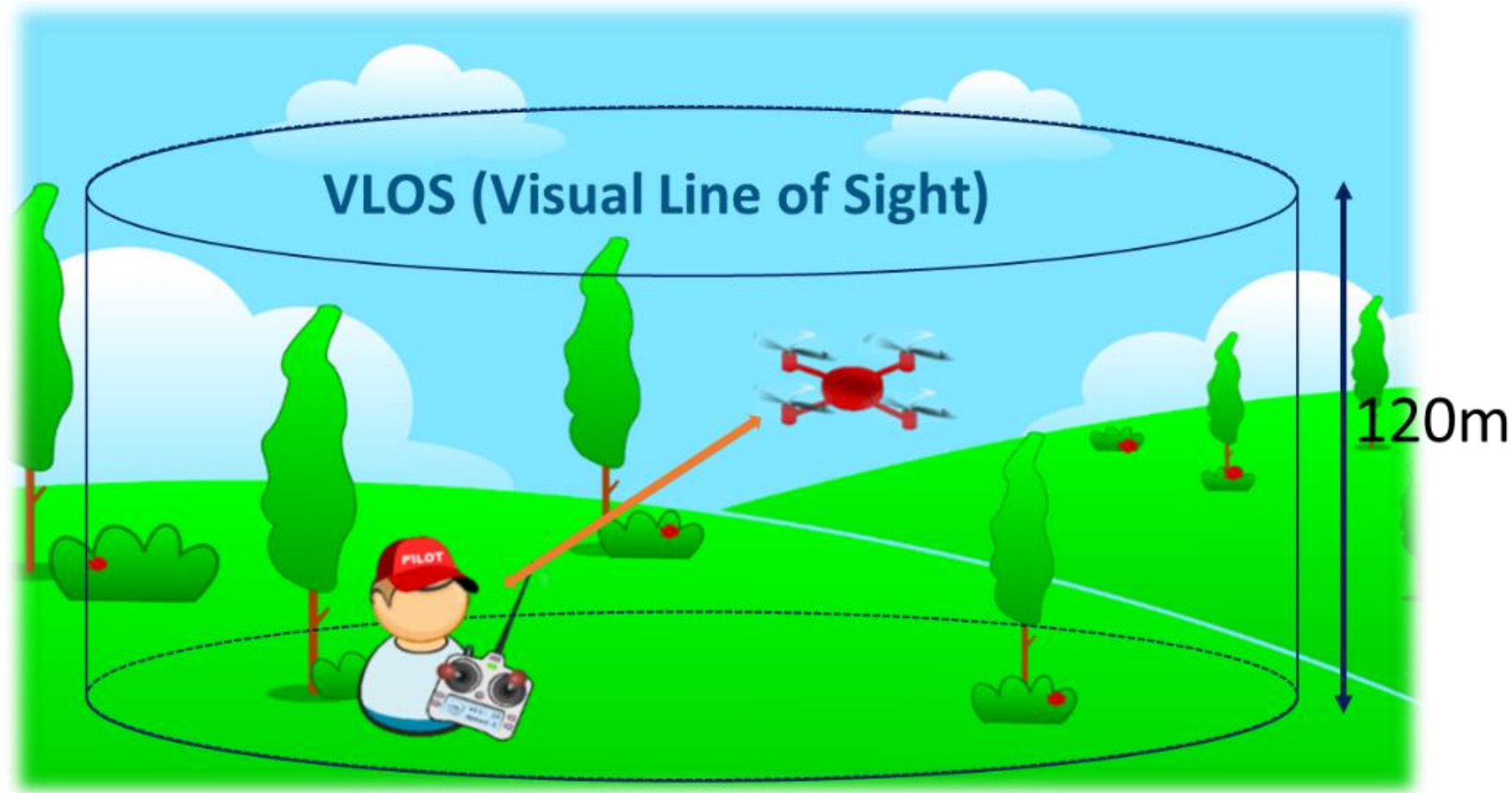
EU Regulation
SORA Operational
Safety Objectives

“The applicant has supporting evidence that the required level of integrity is achieved. This is typically done by testing, analysis, simulation, inspection, design review or through operational experience.”

“The applicant holds an organisational operating certificate(e.g LUC) or has a recognised flight test organisation.”

“Adequacy of the procedure is proven through flight tests”

Open category



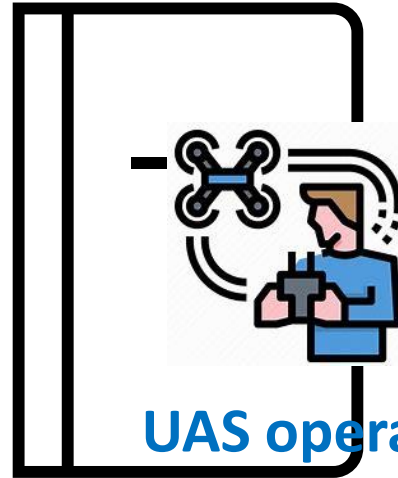
Testing of UAS with a
MTOM <25 Kg possible in
the open category

➤ A3 fly far from people

Privately built
with MTOM<25kg

How to allow UAS testing?

How can we use these rules also
to allow and facilitate the testing
of UAS design and operational
procedures?



UAS operators



UAS designers



Authorities

EU Regulation
SORA Operational
Safety Objectives



Test centers

EU network of test centres

Flagship action 14: The Commission intends to set up an EU network on civil-defence drone testing centres to facilitate exchanges between civilian and defence sectors.



Coordinated efforts at EU level to:

- Move from concept to deployment;
- Support the operational authorization processes;
- Ensure technology progress;
- Ensure appropriate availability and distribution of test sites.

LUC – Light UAS operator certificate



Applicable to all drones,
independently of their weight

It requires:

- robust organisation (technically and financially)
- SMS
- Compliance Monitoring Management

It may grant to its holder the privilege of self-authorising its UAS operations

Even with this kind of privileges, a risk assessment of the operations should always be carried out by the LUC holder



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Alliance for New
Mobility Europe



DRONE
ALLIANCE
EUROPE



Global UTM
Association



JEDA
Joint European Drone Association

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