

Drohnen Forum Österreich 2025

European drone regulation update

23 January 2025



Outcome of the



EASA
Innovative Air Mobility
Implementation Forum

Sharing of drone usage data
and occurrence

Just culture

Simplifications of the regulations at
least for the lower risk operations

Additional STS

Stronger collaboration among
regulators and industry

More role to the EU
UAS associations

Extend best practices to all EU

PDRAs

Feedbacks from UAS operators

Inflexibility

vs

Reduction of approval time



Most complicated part

Proposed solutions

Examples



Published



PDRAs

Predefined risk assessment



Modular OM

JARUS consultation completed last week

New PDRA format

SORA

PDRA-01

- Short description
- A2 Form
SAIL
+ Containment
+ TMPR
- Reference to
BOM & modules
- A4 Compliance
Matrix

PDRA-02

- Short description
- A2 Form
SAIL
+ Containment
+ TMPR
- Reference to
BOM & modules
- A4 Compliance
Matrix

PDRA-03

- Short description
- A2 Form
SAIL
+ Containment
+ TMPR
- Reference to
BOM & modules
- A4 Compliance
Matrix

(PDRA-XY)

- Short description
- A2 Form
SAIL
+ Containment
+ TMPR
- Reference to
BOM & modules
- A4 Compliance
Matrix

Common to all PDRA's

- Basic Operations Manual (BOM)
[Published on the EASA website](#)
- & modules

- PDRA-G02 consulted on the JAUS website
- Conversion of remaining PDRA's in progress

What do we need next?

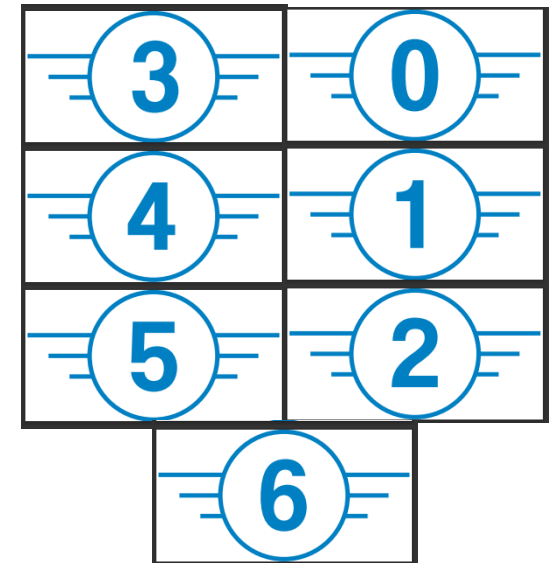


Class identification label: status of standards

- prEN 4709-001 PRODUCT REQUIREMENTS for C0 – C4 [ASD-STAN prEN 4709-001 - 2024-06-30 - DIN Media](#)
- EN 4709-002 DRI - [Publications \(din.de\)](#)
- prEN 4709-003 GEO-AWARENESS - <https://asd-stan.org/downloads/pren-4709-003-p1/>
- prEN 4709-004 LIGHTS - <https://asd-stan.org/downloads/pren-4709-004-p1/>

For STS, the following standard are under development:

- prEN 4709-005 Geocaging
- prEN 4709-005 FTS
- prEN 4709-005 C5-C6 product requirements
- prEN 4709-005 C5 accessory kit



Status of standards



- Published means of compliance (MoC) applicable to all drones
 - [2511](#) (SORA enhanced containment)
 - [2512](#) (SORA M2 technical mitigations)
 - [FTB](#) (functional test based)
 - [Noise measurement](#)

Declarative MoCs for design related OSOs SAIL III

The following MoCs will constitute the full compliance package for the design of UAS operated in SAIL III

- [Published Means of compliance \(MoC\) for the design of UAS operated in SAIL III | EASA](#)
 - OSO#3 (ICA), OSO#5 (safety assessment), OSO#6 (C2 Link), OSO#18 (envelope protection), OSO#24 (environmental conditions)
- OSO 19/20 (HMI) – publication planned early 2025
- OSO#2 (materials and processes) – under development
- OSO#8 (information in the flight manual) – under development

MoCs for SAIL IV

MoCs for Compliance with SC light UAS under development

- Already published consultation recently completed
 - [2510](#) systems, equipment and installations (SAIL IV)
 - [2405](#) trust / lift / power system integrity (SAIL III / IV)
 - [2410](#) trust / lift / power system endurance and reliability (SAIL III / IV)

European SORA 2.5

- Focused consultation ends on 31 January
- Very limited deviations compared to JARUS published SORA
- No cybersecurity
- Consistency with MOCs published by EASA

OSO#02	UAS <u>designed and produced</u> manufactured by a competent and/or proven entity	NR	NR	L	M	H	H			x
OSO#03	UAS maintained by competent and/or proven entity Maintenance of UAS	L	L	M	M	H	H	Crit. <u>21</u> Crit. <u>32</u>		Crit. 1
OSO#04	UAS components essential to safe operations are designed to an <u>a</u> Airworthiness <u>d</u> Design <u>s</u> Standard (ADS)	NR	NR	NR	L M	M H	H			x
OSO#05	UAS is designed considering system safety and reliability	NR	NR ⁽⁹⁾	M L	M	H	H			x

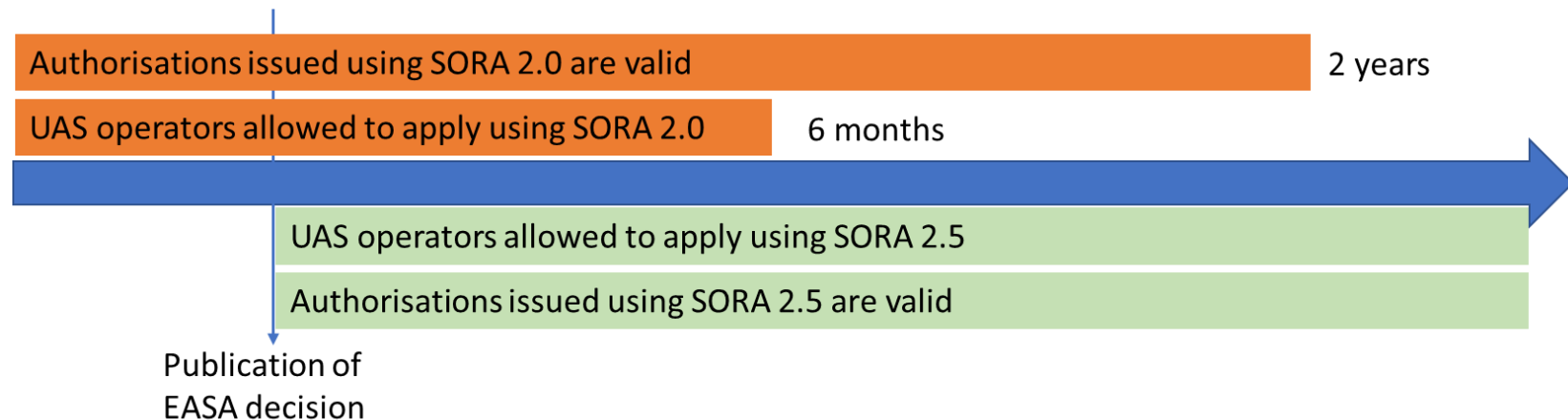
SORA 2.5 publication plan

- Until 30 Jan 2025: Focused consultation (with NAA and UAS associations)
- Q1 25 review of comments and publication of EASA Decision

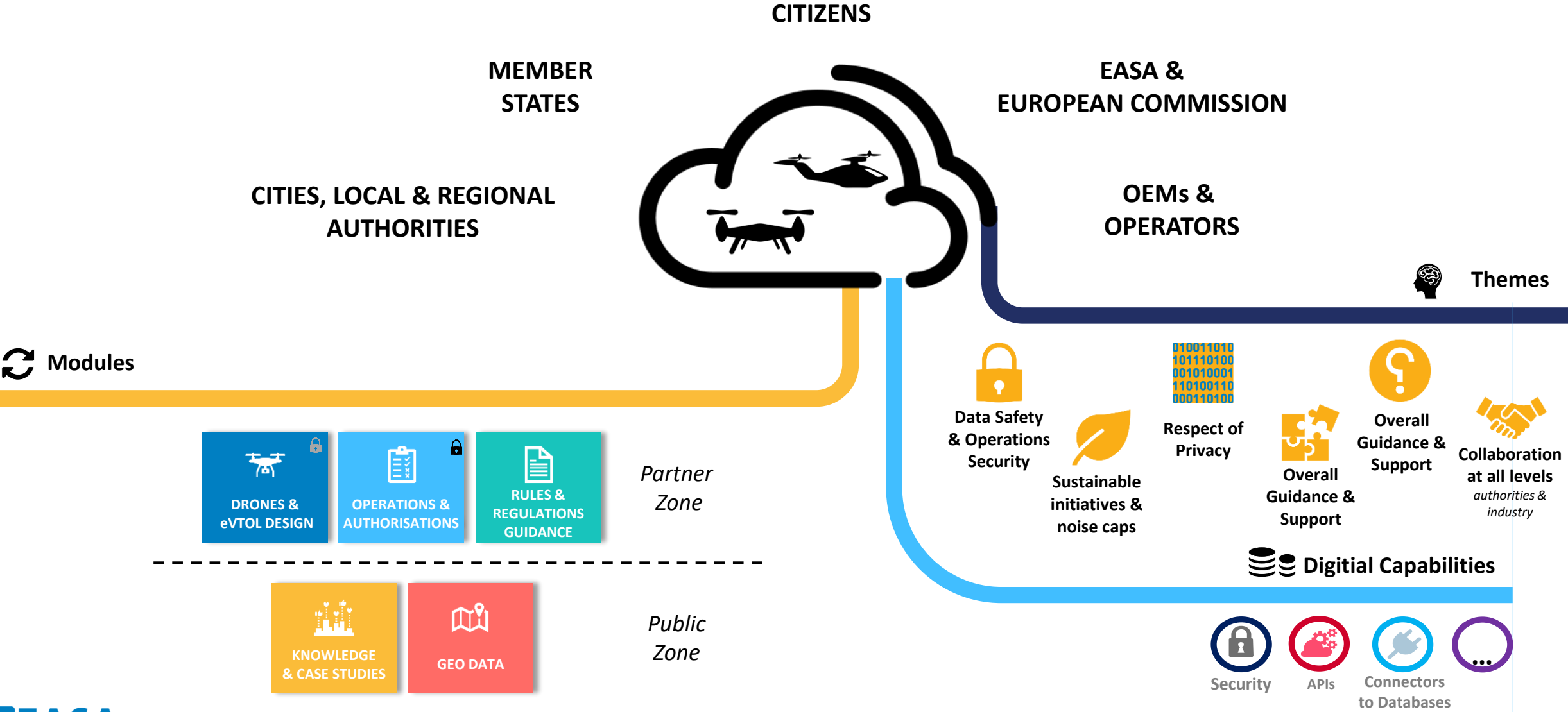
SORA 2.5 and 2.0 will be considered as 2 valid AMCs

EASA cannot impose to MS the validity period for an AMC

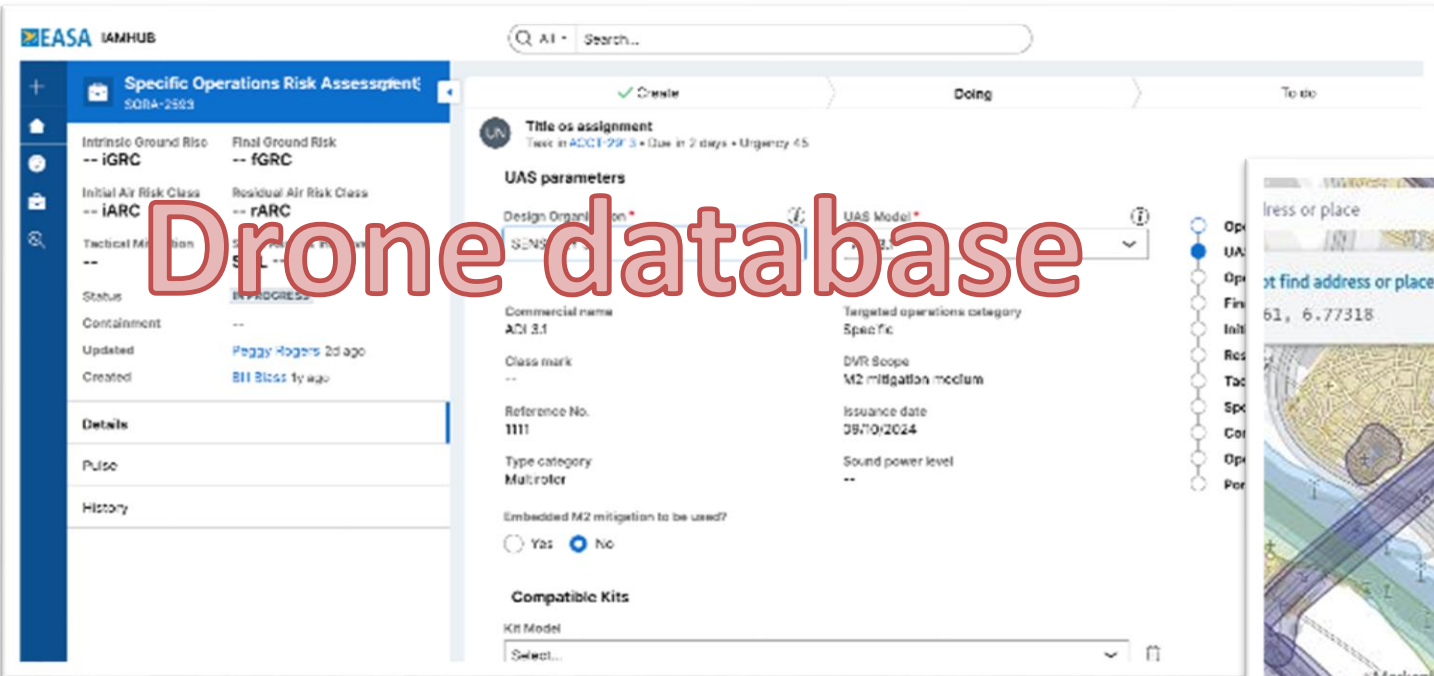
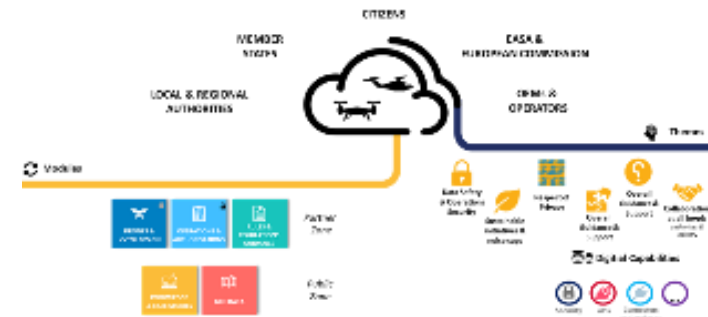
RECOMMENDED TO SUPPORT HARMONISATION:



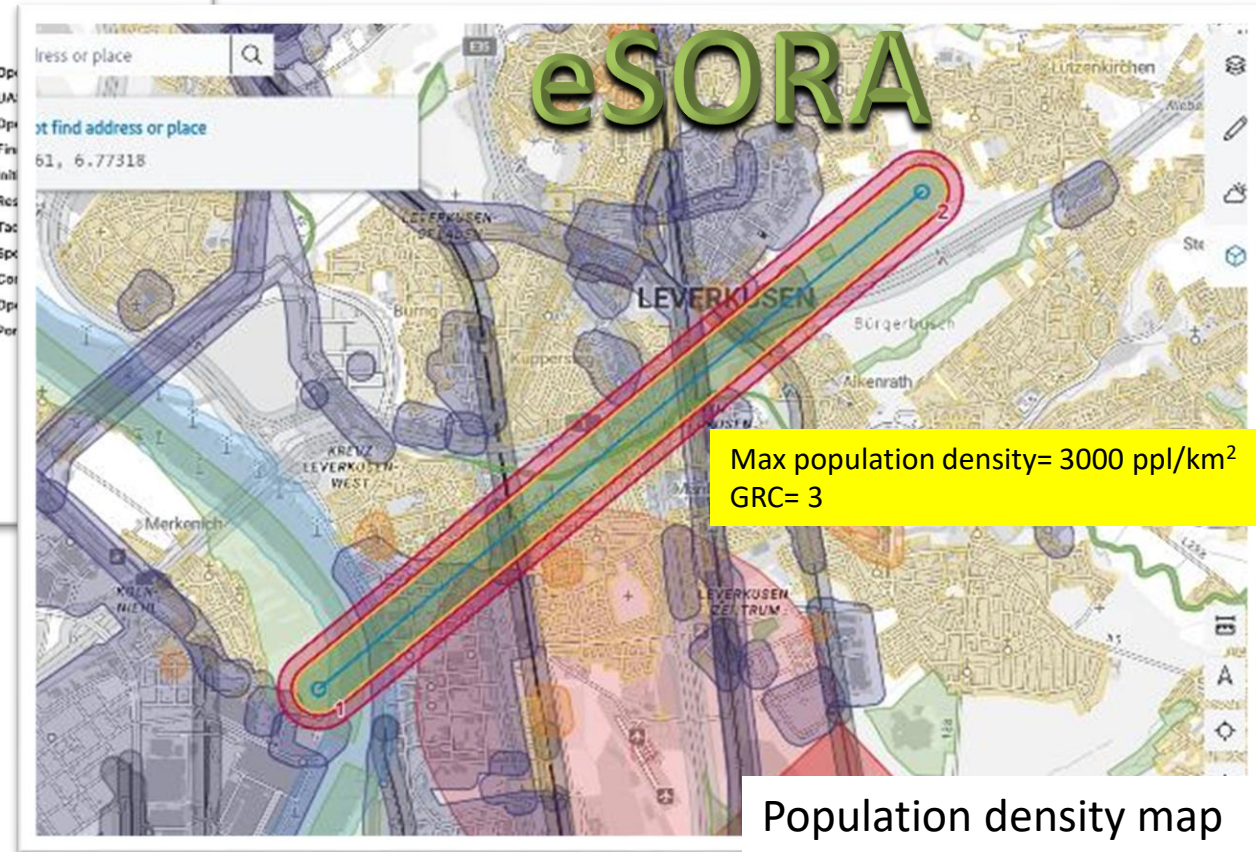
The IAM Hub is a unique platform to connect the IAM eco system



IAM hub e-SORA



Drone database



- Drones with:
 - class label (C0-C6)
 - Declaration of design (up to SAIL III)
 - DVR (SAIL IV or containment/M2 mitigation)
 - TC (SAIL V and VI)
- Kits to enhance drones' functions

Draw the operational volume and automatically receive the ground risk class

Thank You!



easa.europa.eu/connect



Your safety is our mission.

An Agency of the European Union 