

iCNS 2025 Plenary III: CNS Service Provision

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EASA's role in CNS

→ EASA's tasks for all aviation domains are established by Regulation (EU) 2018/1139

→ Among many other things, this regulation:

- defines requirements for ANS services, incl. CNS
- addresses the certification and oversight of ANS providers, incl. CNS
- defines requirements for ATM/ANS systems and constituents
- ensures harmonised implementation across the EU



Rulemaking & Standards

EASA drafts regulatory material, including Certification Specifications and Guidance Material



Certification & Approvals

EASA certifies aviation products and approves organisations where it has exclusive competence



Oversight & Support

EASA provides both oversight and support to Member States in fields where it has shared competence



International Cooperation

As safety and sustainability do not stop at European borders, EASA cooperates with its international partners



Safety Management

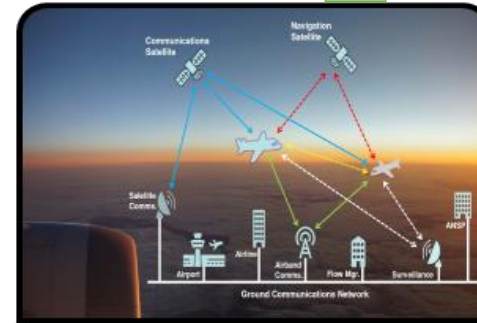
EASA provides actionable safety intelligence through the collection and analysis of safety and performance data

EU Regulatory framework

- *Reg. (EU) 2018/1139*
Basic Regulation: EASA's overall mandate
- 5 main ATM/ANS domains covered in implementing acts
- In relation with CNS:
 - Provision of ATM/ANS:
Reg. (EU) 2017/373
Common requirements for ATM/ANS providers
 - ATM/ANS equipment:
Reg. (EU) 2023/1768
Conformity assessment for ATM/ANS equipment
Reg. (EU) 2023/1769
Design Production Organisations



ATCO Licensing



Provision of ATM/ANS



Standardised European Rules of the Air (SERA)



Airspace Usage Requirements (AUR)



ATM Ground Equipment

CNS service is performant (e.g. availability, integrity, continuity) to be provided

Equipment is fit-for-purpose to be installed

Lessons learned, challenges and opportunities

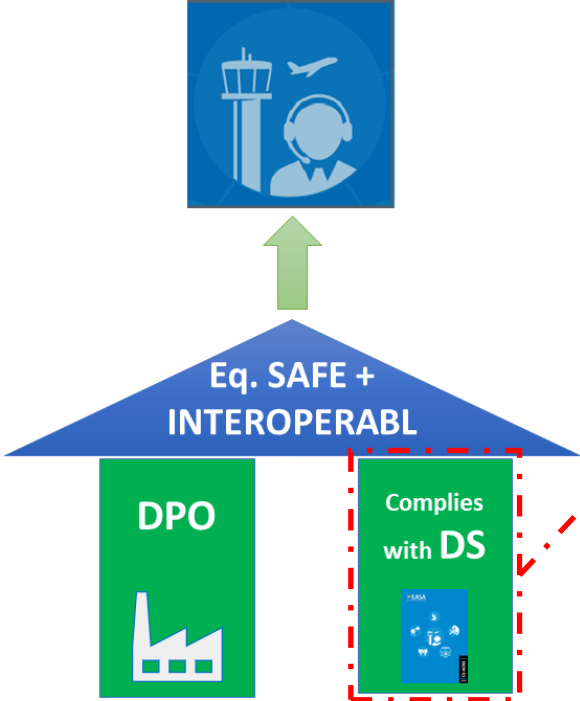
→ Innovation is urgent to accommodate users needs

→ Challenges:

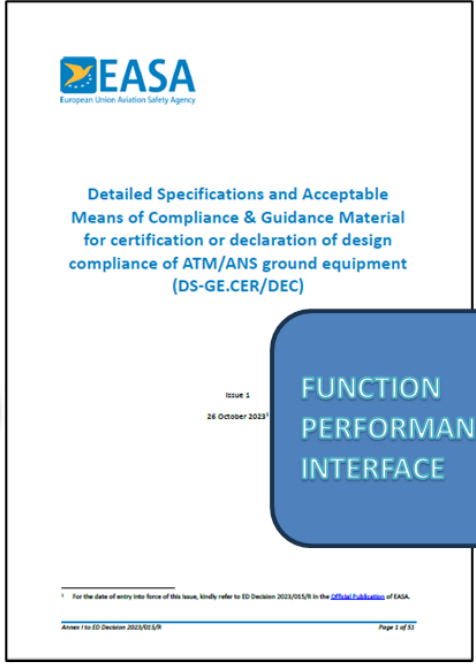
- Keeping up with evolving tech (e.g. AI, digitalisation)
- Balancing safety & innovation
- Coordinating with multiple stakeholders

→ Opportunities:

- Enable new service delivery models
- Enhance EU-wide market
- Accelerate uptake of novel tech through common specifications and shared industry standards



WHAT

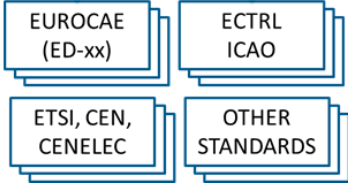


FUNCTION PERFORMANCE INTERFACE



Industry Standards

HOW MOPS



Discussion and debate

- How do we ensure that regulation can be both a safeguard and an enabler of innovation?
- Is the regulatory framework future-proof enough?
- How can we accelerate the availability of industry standards to cater for innovation?



Thank you for your attention!

