

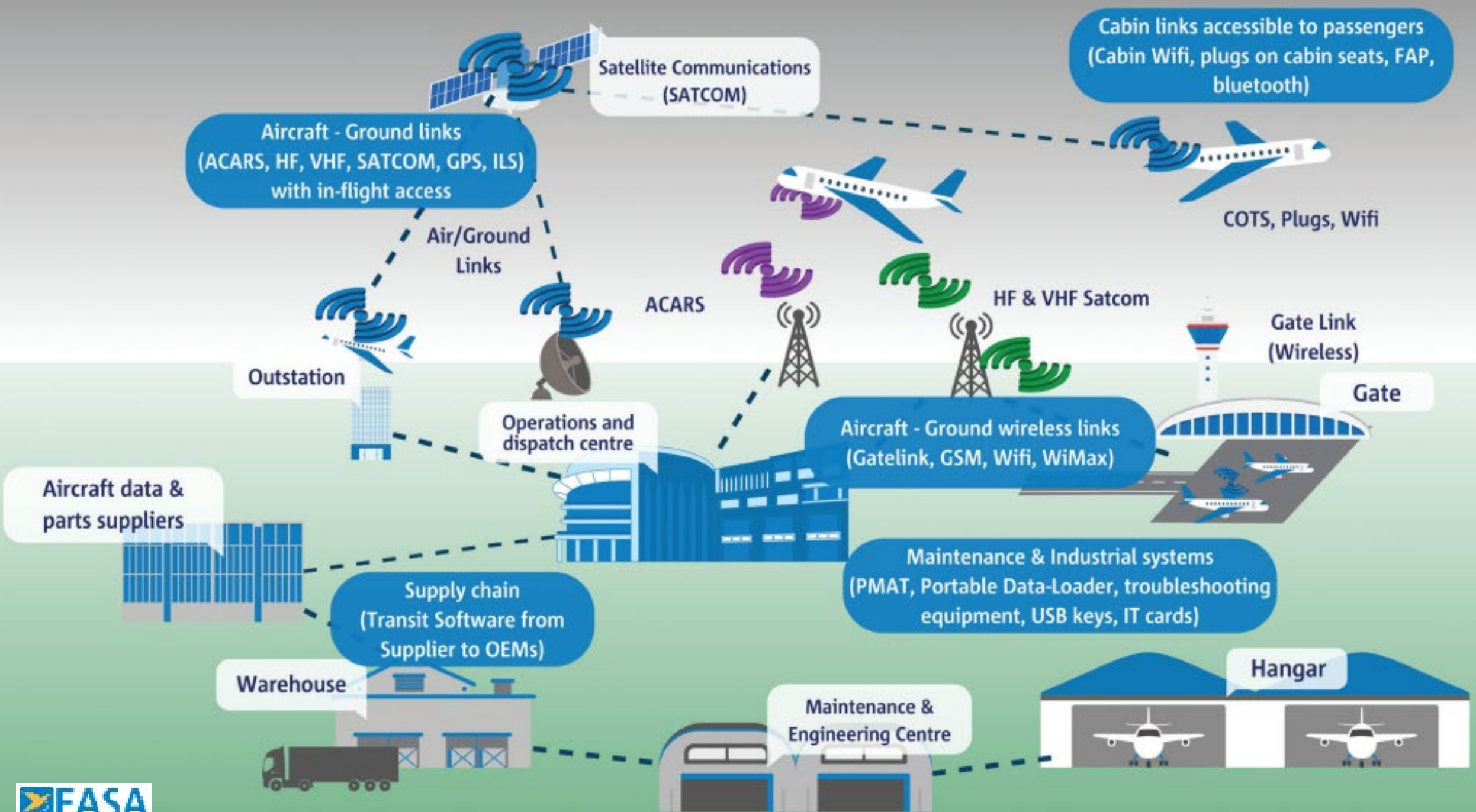
EASA Workshop

Electronic Flight Bag (EFB) ETSO

Part-IS Presentation



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Cybersecurity in Aviation & Emerging Risks



Making EU aviation cyber resilient



Products (Aircrafts, Engines, ...)

- Transition from case by case approach to mandatory on all products now done.
- Positive change of mind set in industry: From defiance to full engagement.



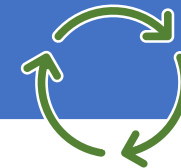
Organisations (People, Processes)

- **Part-IS** Regulations published in October 2022 and February 2023
- AMC/GM published on 12 July 2023



Information Sharing

- Create a community to
 - Share knowledge
 - Perform Analysis
 - Collaborate
 - Reinforce the system



Capacity building & Research

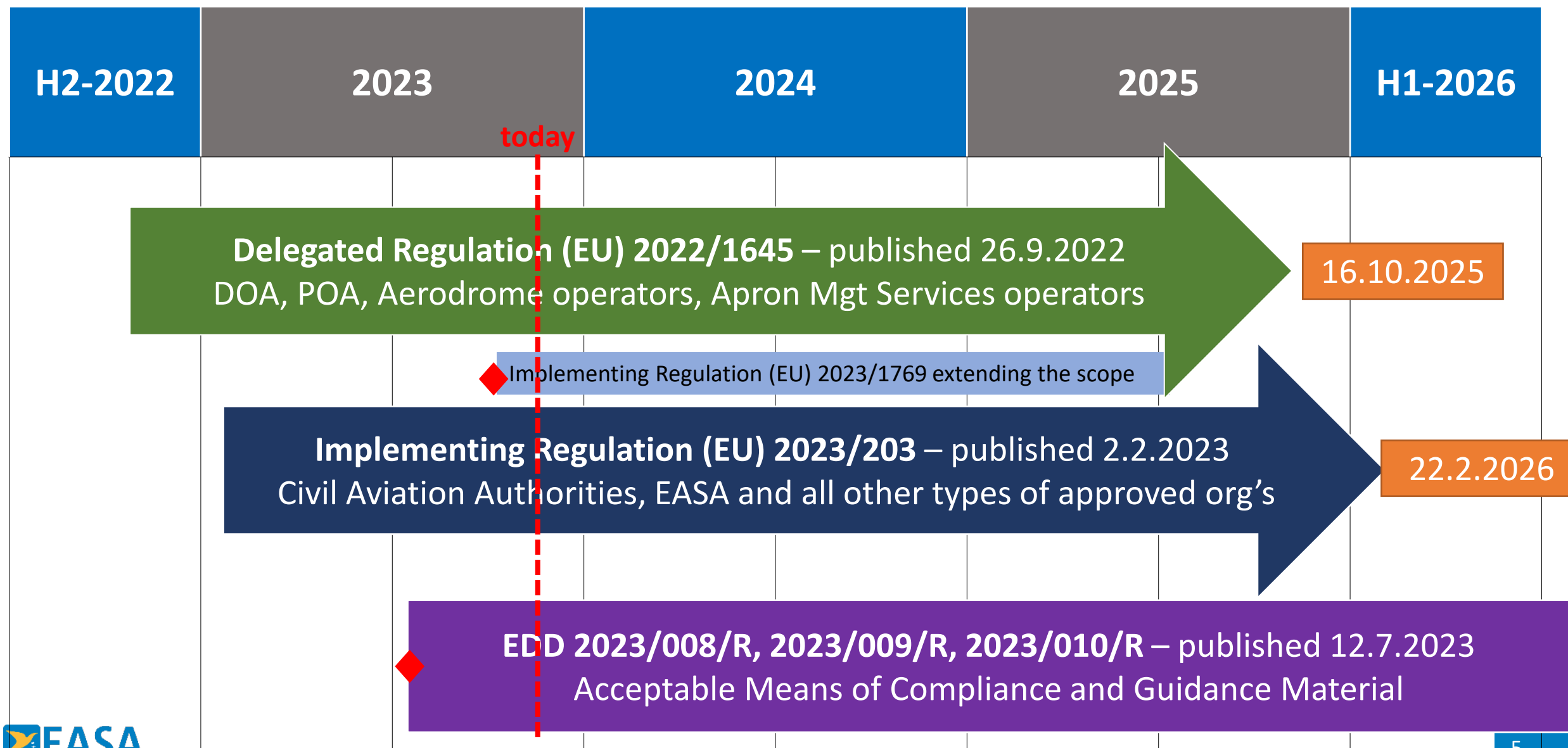
- To have competent and well aware workforce
- To monitor the current Threat Landscape
- To understand the future Threat Landscape



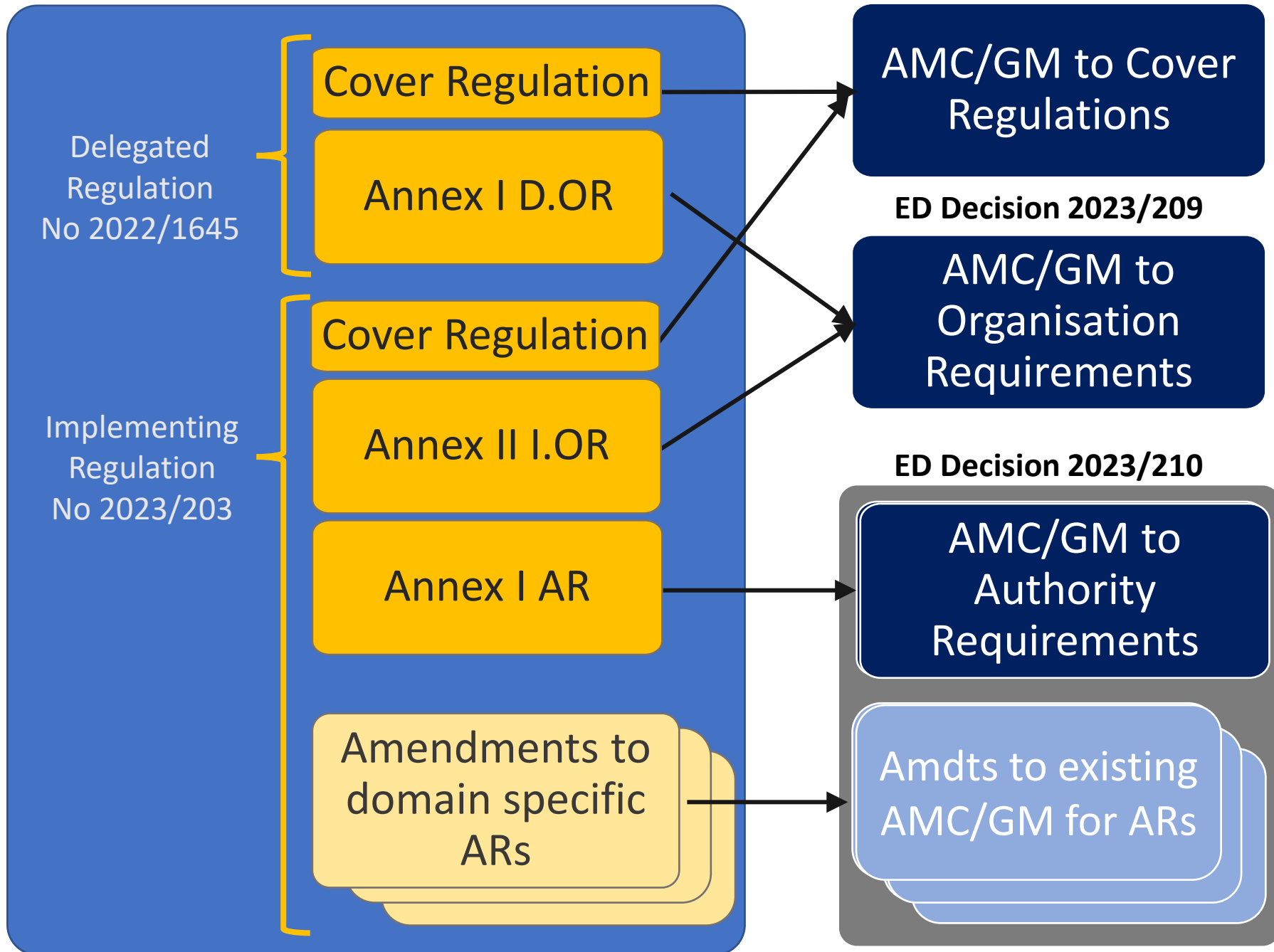
What we want to achieve with Part-IS

Objective	Protect the aviation system from information security risks with potential impact on aviation safety
Scope	Information and communication technology systems and data used by Approved Organisations and Authorities for civil aviation purposes
Activity	<ul style="list-style-type: none">- identify and manage information security risks related to information and communication technology systems and data used for civil aviation purposes;- detect information security events, identifying those which are considered information security incidents; and- respond to, and recover from, those information security incidents

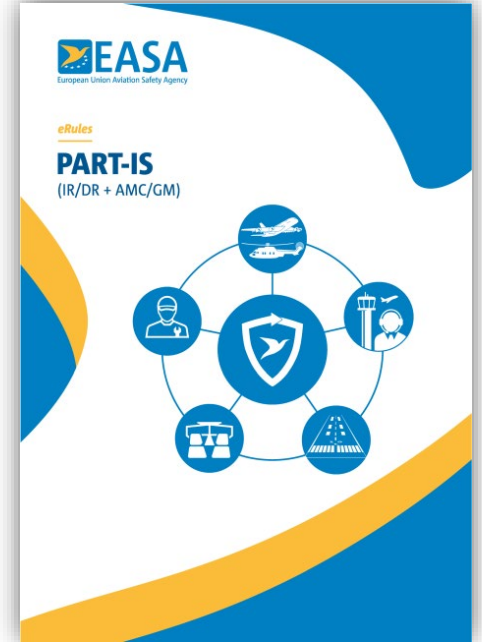
Part-IS implementation journey



Part-IS Regulations



3 ED Decisions



Easy Access Rules
available [here](#)

AMC & GM what's in it

- Non-binding by definition
- To facilitate timely and harmonised application of Part-IS
- No additional requirements. Everything is in the Regulations

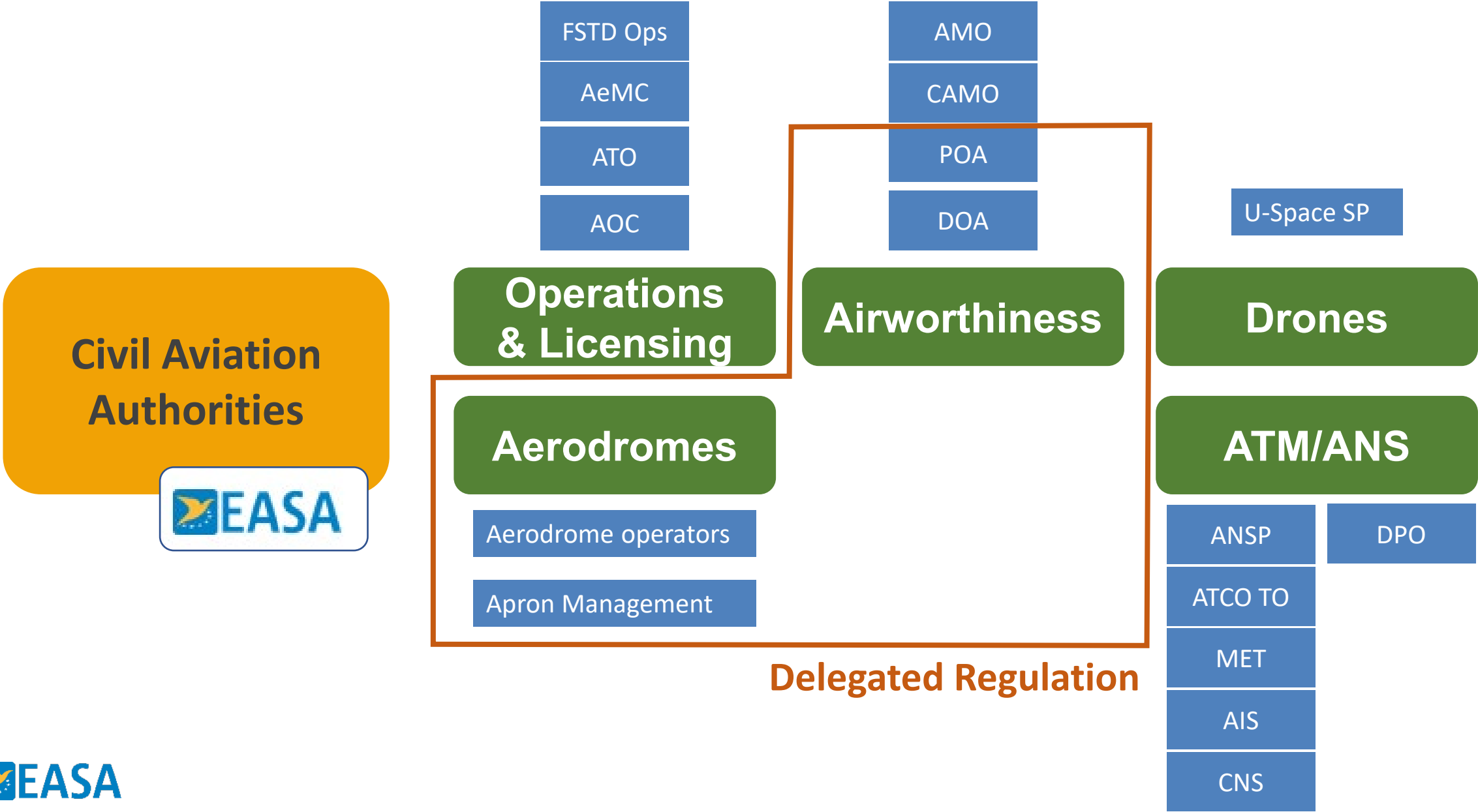
Acceptable Means of Compliance

- To address identified rule's objectives and processes
- Possible ways to comply with the requirements

Guidance Material

- To address elements in the rule that would require explanation
- To integrate means of compliance by providing guidance on practical or operational aspects
- Background information helping to understand the requirements

Applicability of Part-IS



Part IS is not applicable to:

Production organisations not holding an approval

Part-147 maintenance training organisations.

ATOs providing only theoretical training.

Private operators of other than complex motor-powered aircraft.

Organisations dealing only with light aircraft:

- e.g. airplanes below 2000 kg MTOM, very light rotorcraft, sailplanes, balloons and airships.

Operators of UAS in the “open” and “specific” categories.

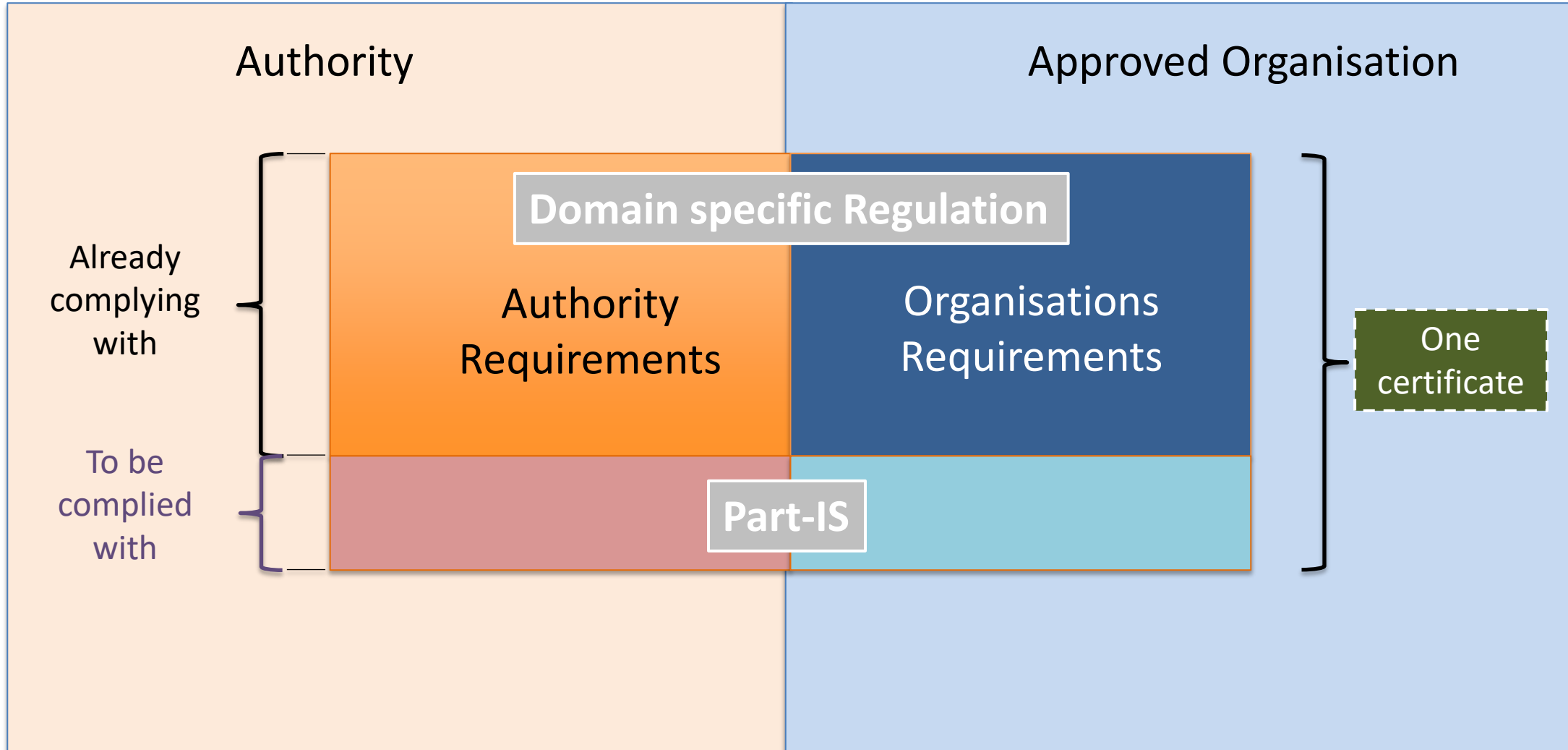
Organisation designing UAS in the “specific” category when not required to hold a DOA approval.

TCO operators

Regulated by ICAO Annex 6

Organisations approved under bilateral agreements

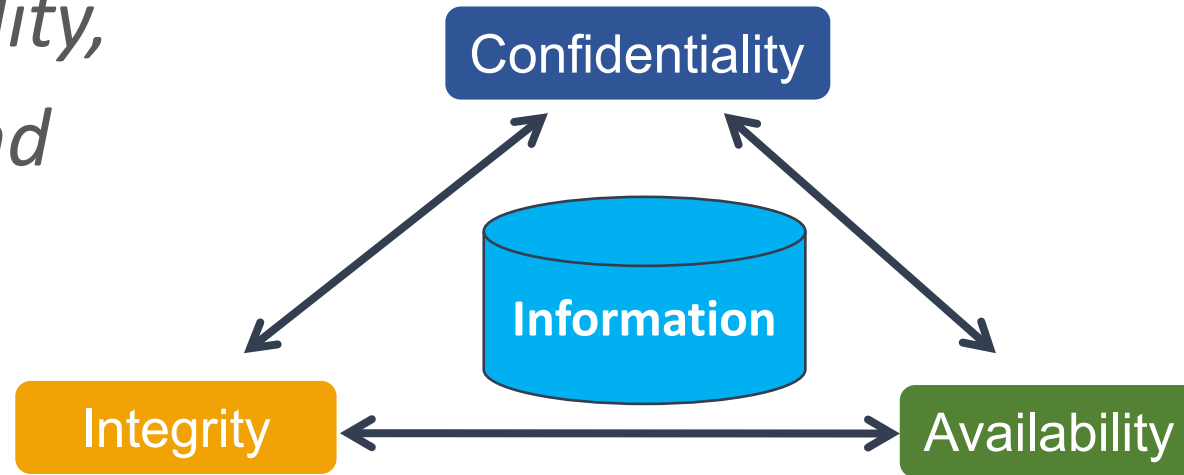
Part-IS and existing approvals/regulations



What is an ISMS?

What is Information Security Management?

- ISO 27000 states that *Information Security Management* is a top-down, business driven approach to the management of an organization's physical and electronic information assets in order to preserve their
- Confidentiality,
 - Integrity, and
 - Availability.



What is an ISMS?

ISO 27001

An ISMS is the means by which management monitors and controls information security, minimizing the residual **business risk** and ensuring that information security continues to fulfill corporate, customer and legal requirements.

**business
risk**

Part-IS

An ISMS is the means by which management monitors and controls information security, minimizing the residual **business** **safety risk** and ensuring that information security continues to fulfill ~~corporate, customer and~~ legal requirements **and societal expectations**.

**safety
risk**

What are the Key Ingredients for Part-IS?

Basic Regulation

- Acceptable Safety Risks
- Record-keeping
- Personnel Requirements

ISO 2700x

- Information Security Management System (ISMS)
- Information Security Risk Assessment
- Continuous Improvement

NIST Cyber Security Framework

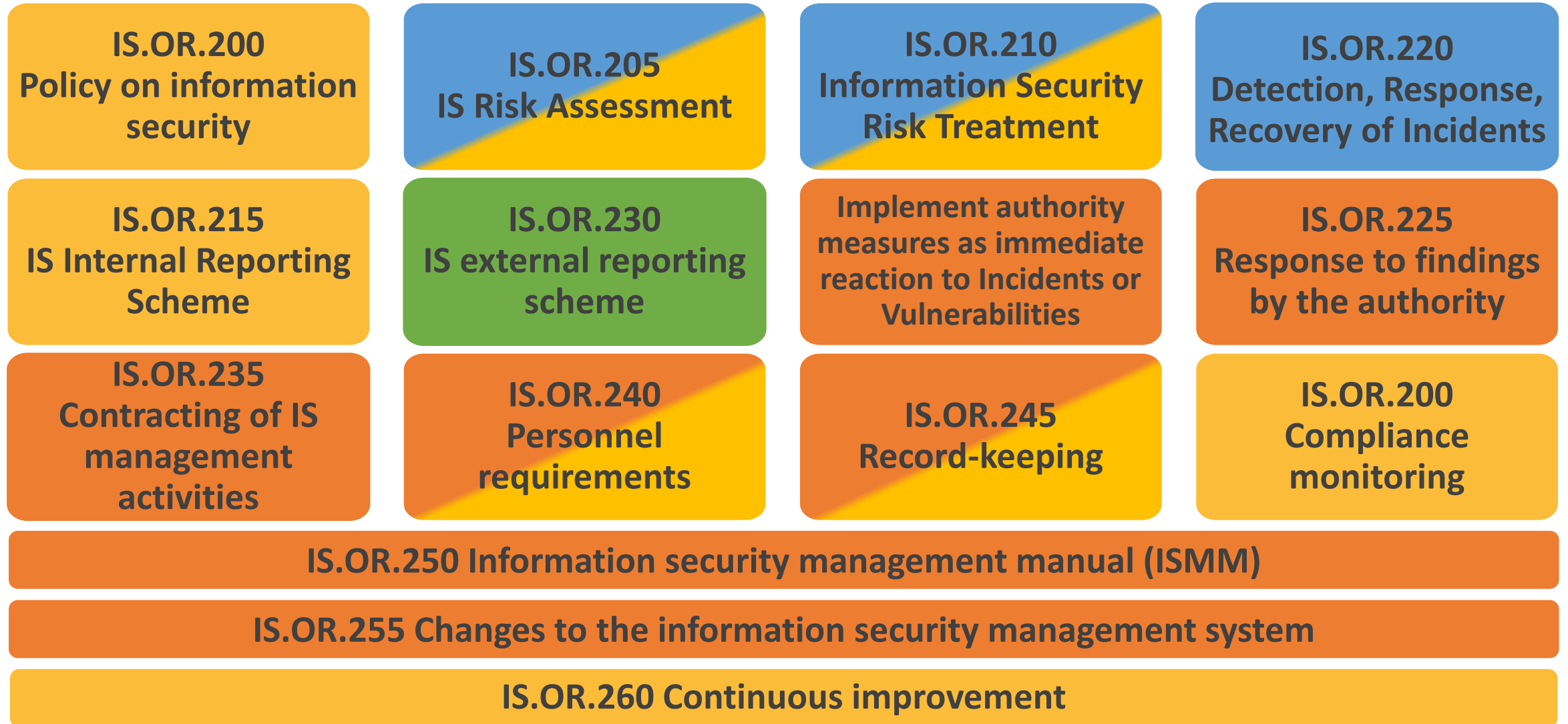
- Information Security Risk Treatment
- Information Security Incidents — Detection, Response, and Recovery

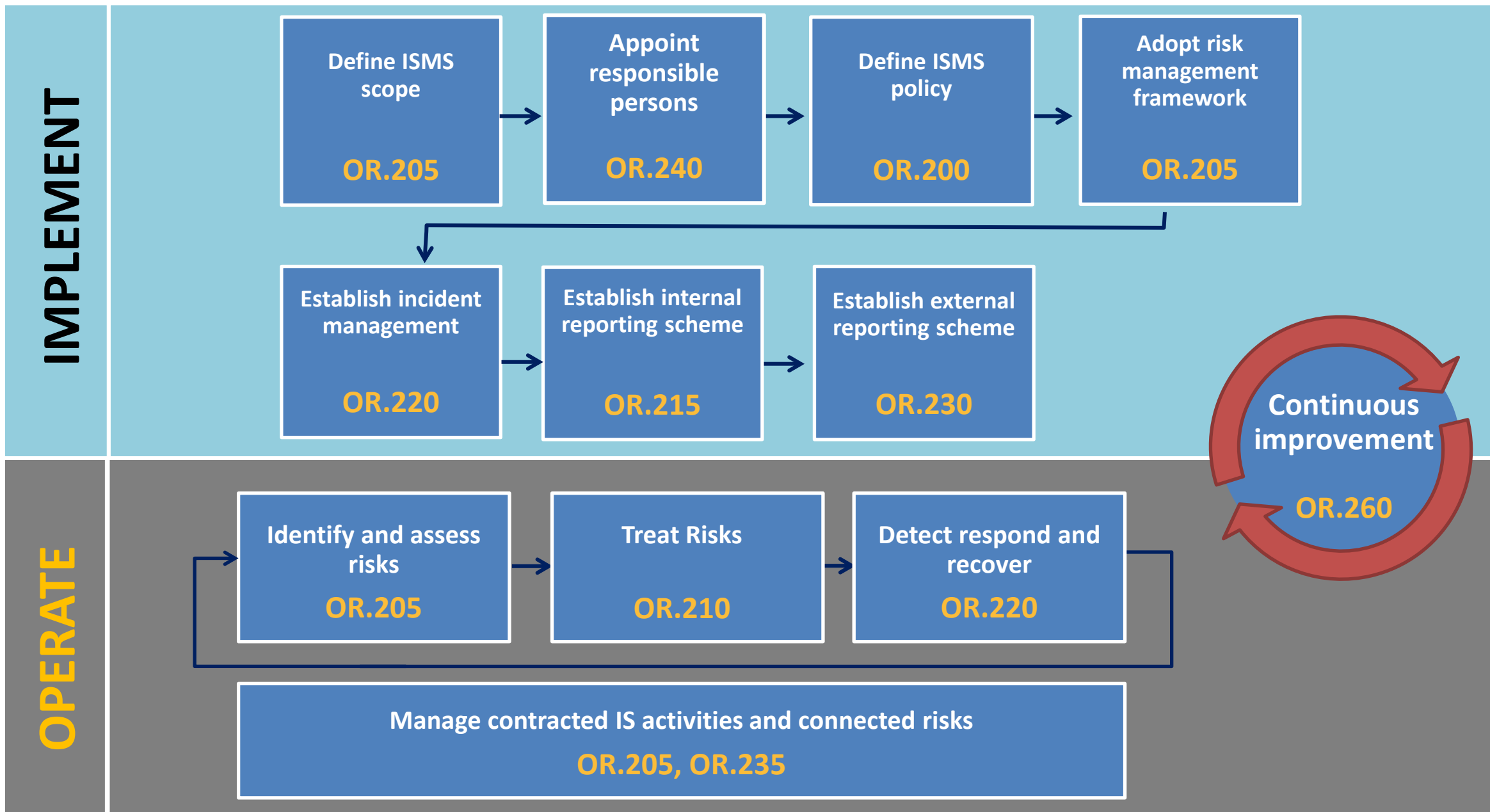


Reporting Regulation

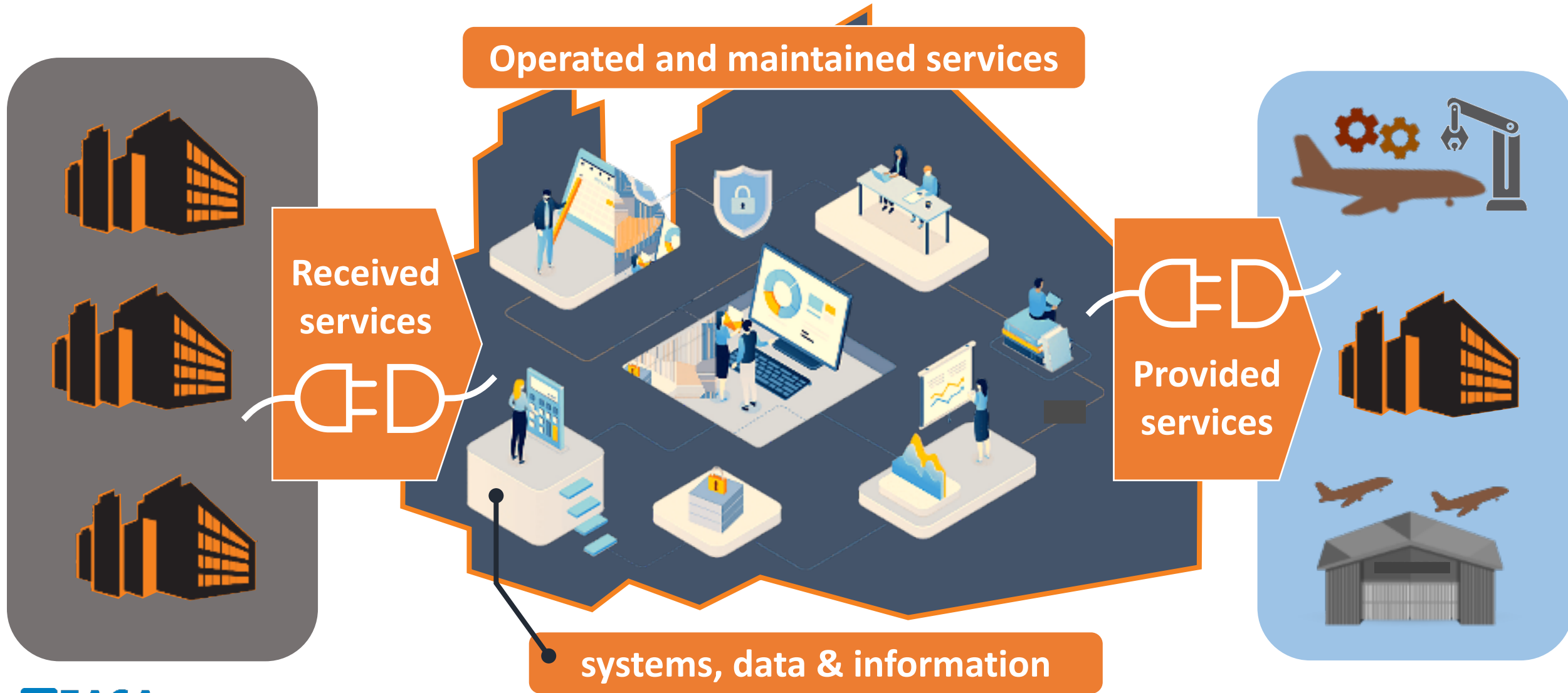
- Information Security External Reporting Scheme

Part-IS vs existing Framework and Regulations





Risk assessment - scope identification



Thank you for your attention!

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An Agency of the European Union 