

Part-IS Implementation

Workshop

Cologne, **November 7 - 8**



Your safety is our mission.

Part-IS Workshop agenda – Day 1

Introduction to Part-IS & organisational impact

Scene setter on Part-IS, links with the other implementing rules for the different domains and the expected impact on the organisational structure.

EASA

Panel 1 - Part-IS early implementers' feedback

Experiences of early implementers of Part-IS, challenges and key aspects.

EASA, Airbus Commercial, Lufthansa Group, Nordic Regional Airlines AB, TRAFICOM

Q&A

Examples of functional chains and shared risks

Examples of risks at the interface between organisations.

EASA, Airbus

External Reporting under Part-IS

External reporting requirements under Part IS and the relationship with Reg. (EU) 376/2014, the reporting tools that will be available.

EASA

ISO/IEC 27000 in relation to Part-IS

Insights on the similarities and differences between ISO/IEC 27000 and Part-IS in order to leverage on existing certification.

EASA

Industry standardisation

European Cyber security for aviation Standards Coordination Group (ECSCG) activities - focus on standards that will support Part-IS implementation.

EASA

Q&A

Welcome!

Thanks for being with us virtually and in presence



Part-IS Implementation Workshop

Introduction to Part-IS and Organisational Impact



Part-IS Implementation Workshop



Angeliki Karakoliou is an Expert in Cybersecurity in Aviation since 2019, where she has worked in different domains including product certification and flight standards. She is currently dealing with Part-IS implementation support, Position Navigation and Time (PNT) interference and cyber threat intelligence.

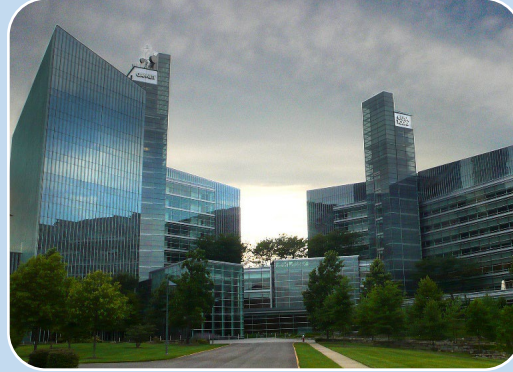
She has a background in computer science and holds a dual LLM in Law and Economics.

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.



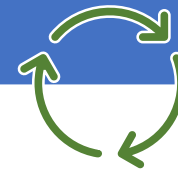
Organisations (People, Processes)

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



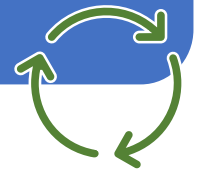
Information Sharing

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

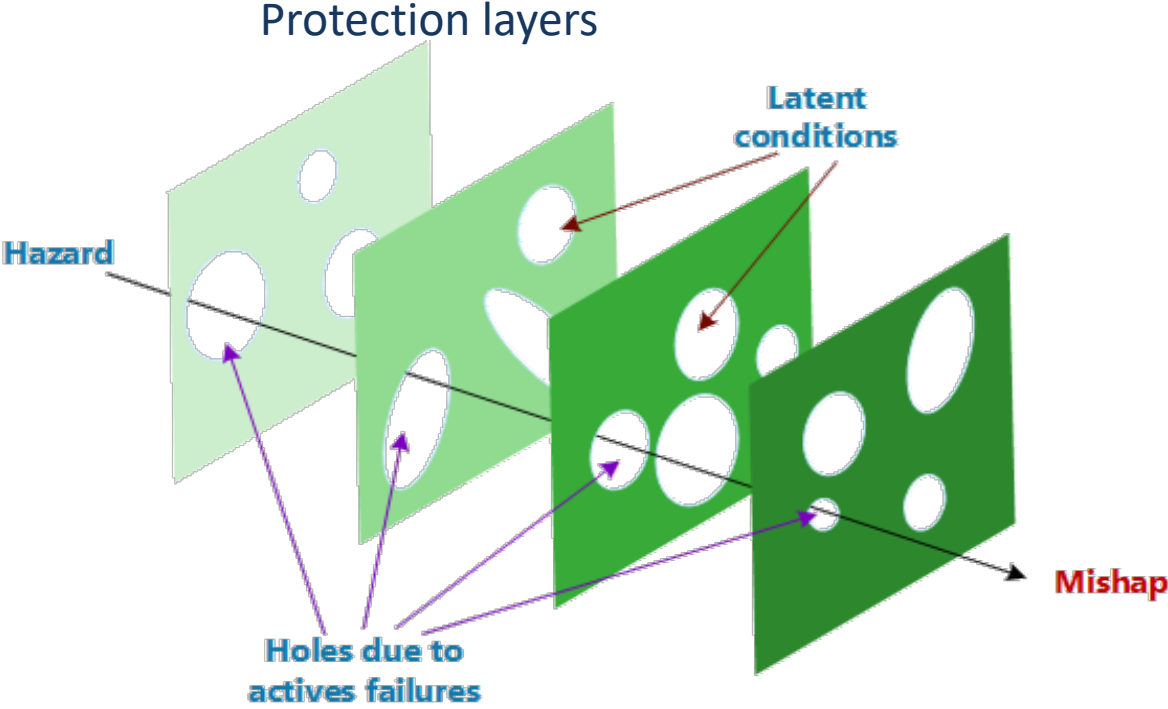


Capacity building & Research

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

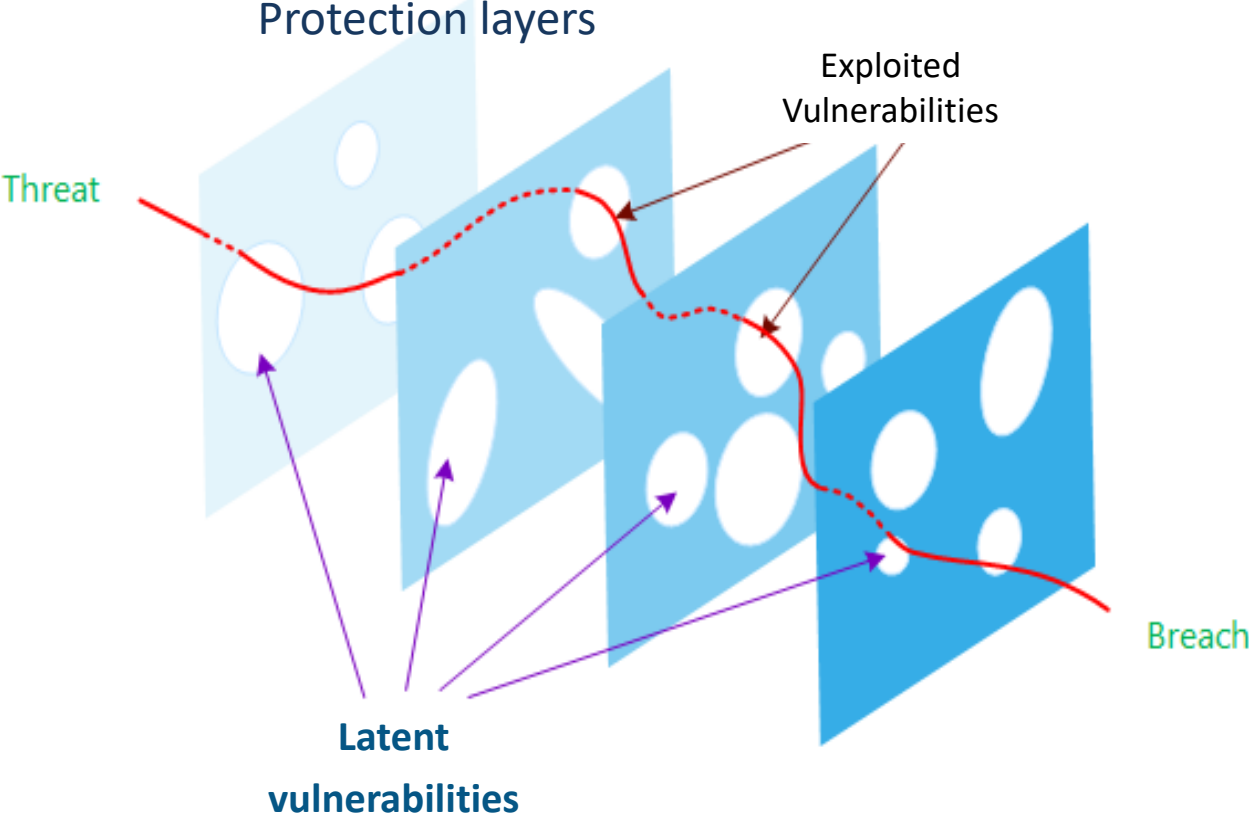


The cultural bias in aviation



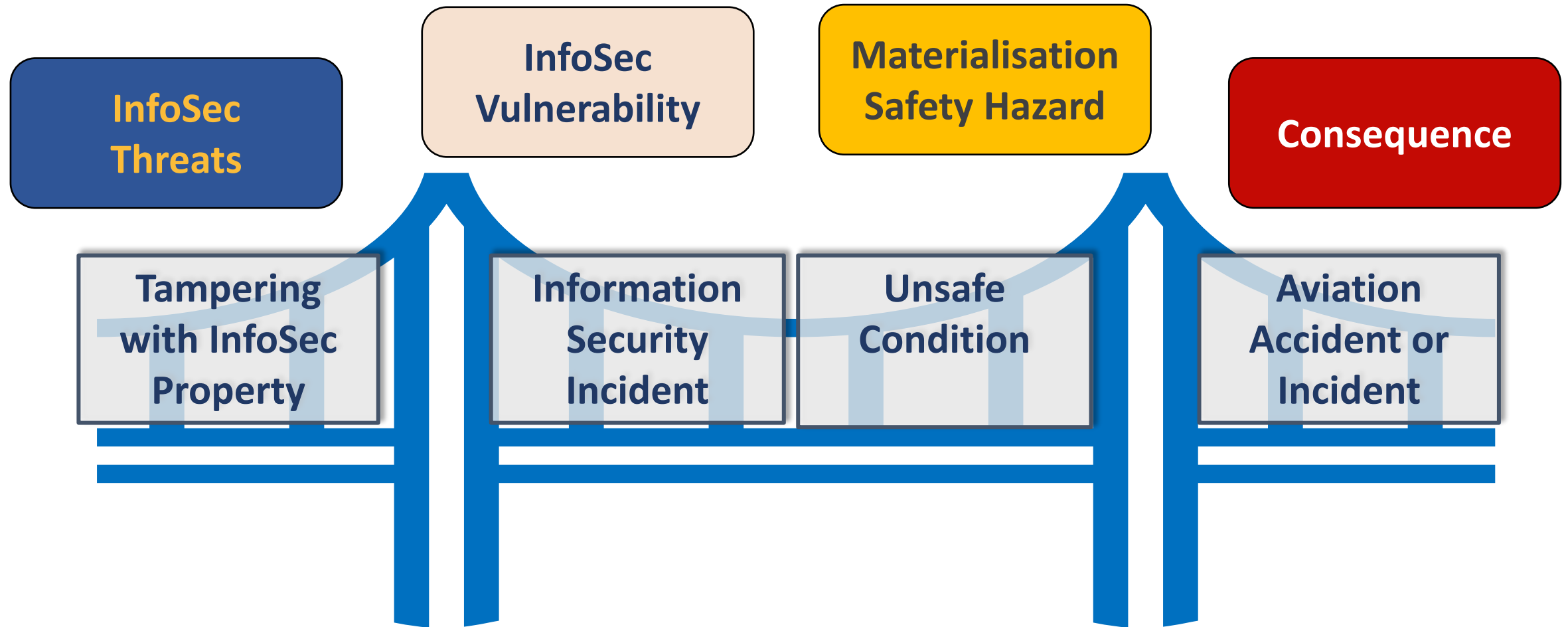
Safety

vs.



Security

Bridging between Information Security and Safety



What we want to achieve with Part-IS

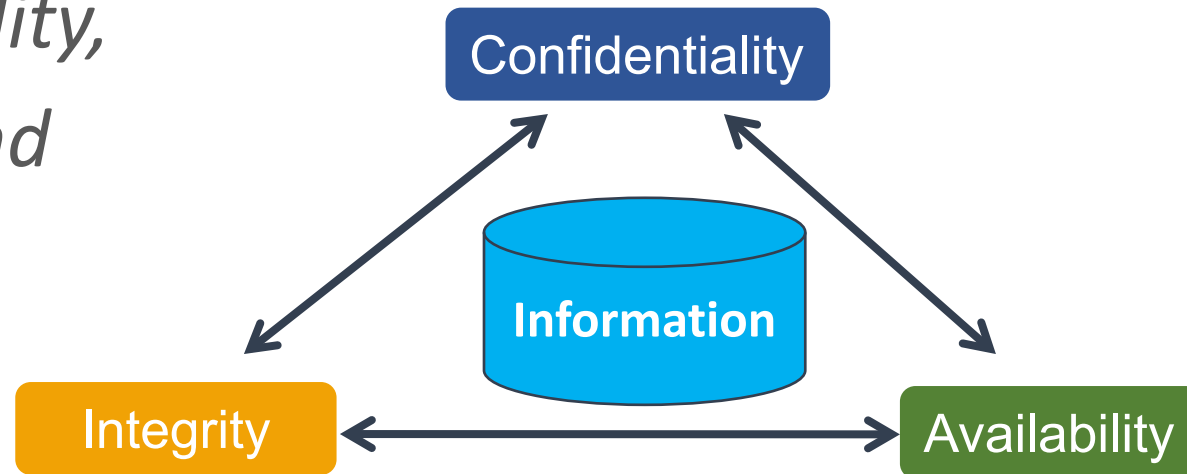
Objective	Protect the aviation system from information security risks with potential impact on aviation safety
Scope	Information and communication technology systems and data used by Approved Organisations and Authorities for civil aviation purposes
Activity	<ul style="list-style-type: none">- identify 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

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

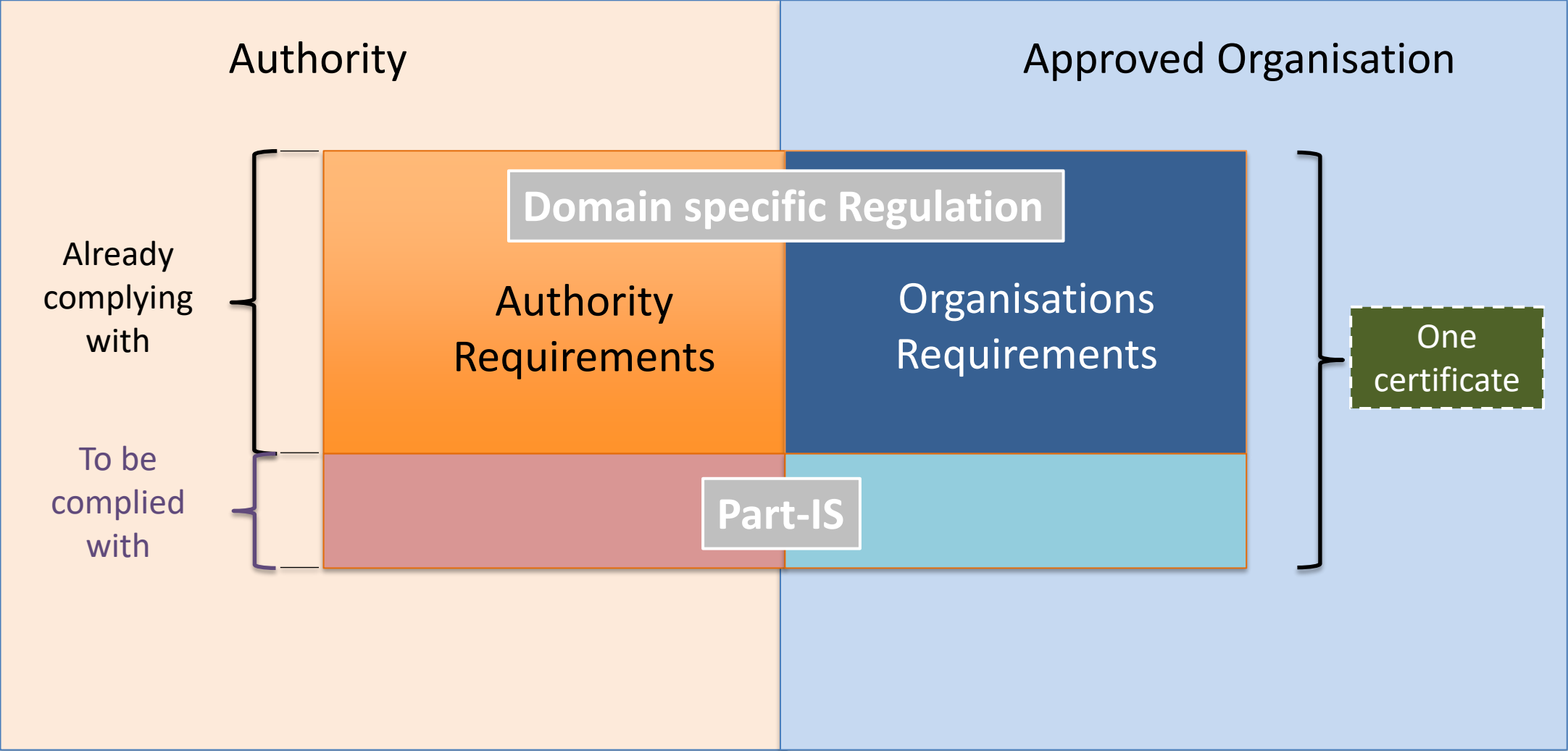
- Information Security Risk Treatment
- Information Security Incidents — Detection, Response, and Recovery



Reporting Regulation

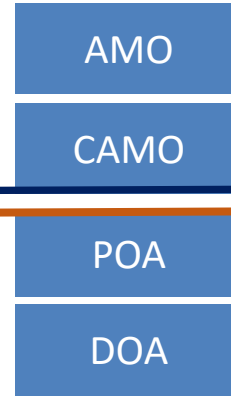
- Information Security External Reporting Scheme

Part-IS and existing approvals/regulations



Domains affected by Part-IS

Implementing Regulation
2023/203



U-Space SP

**Civil Aviation
Authorities for all
aviation domains**



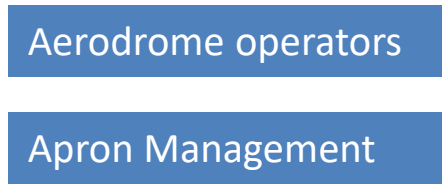
**Air Operations
& Licensing**

Airworthiness

Drones

Aerodromes

ATM/ANS



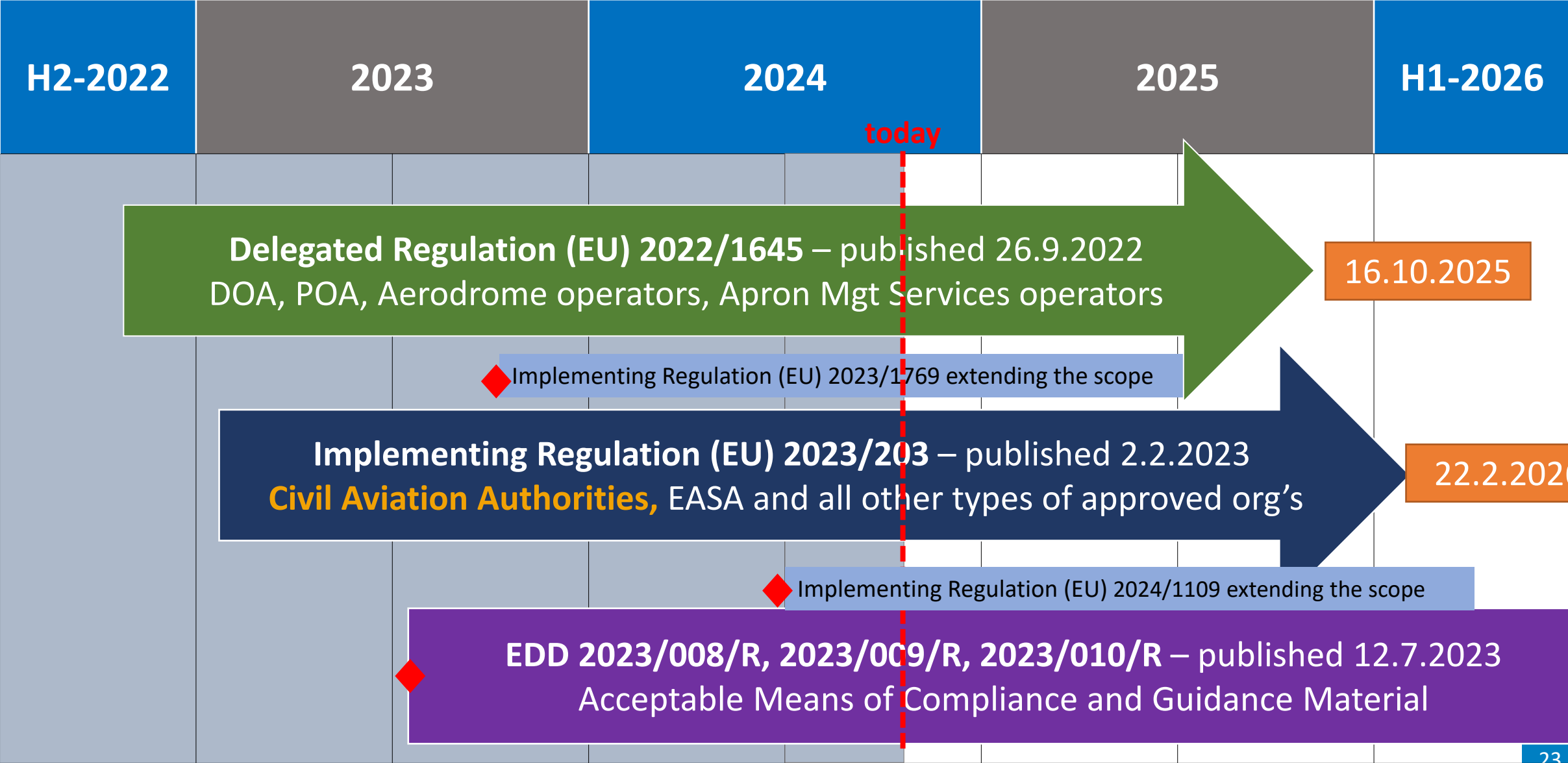
**Delegated Regulation
2022/1645**



Implementing Regulation (EU) 2024/1109 applying Part-IS to authorities overseeing CAW of certified UAS.

Implementing Regulation (EU) 2023/1769 extending the scope of Part-IS to DPOs

Part-IS implementation journey



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

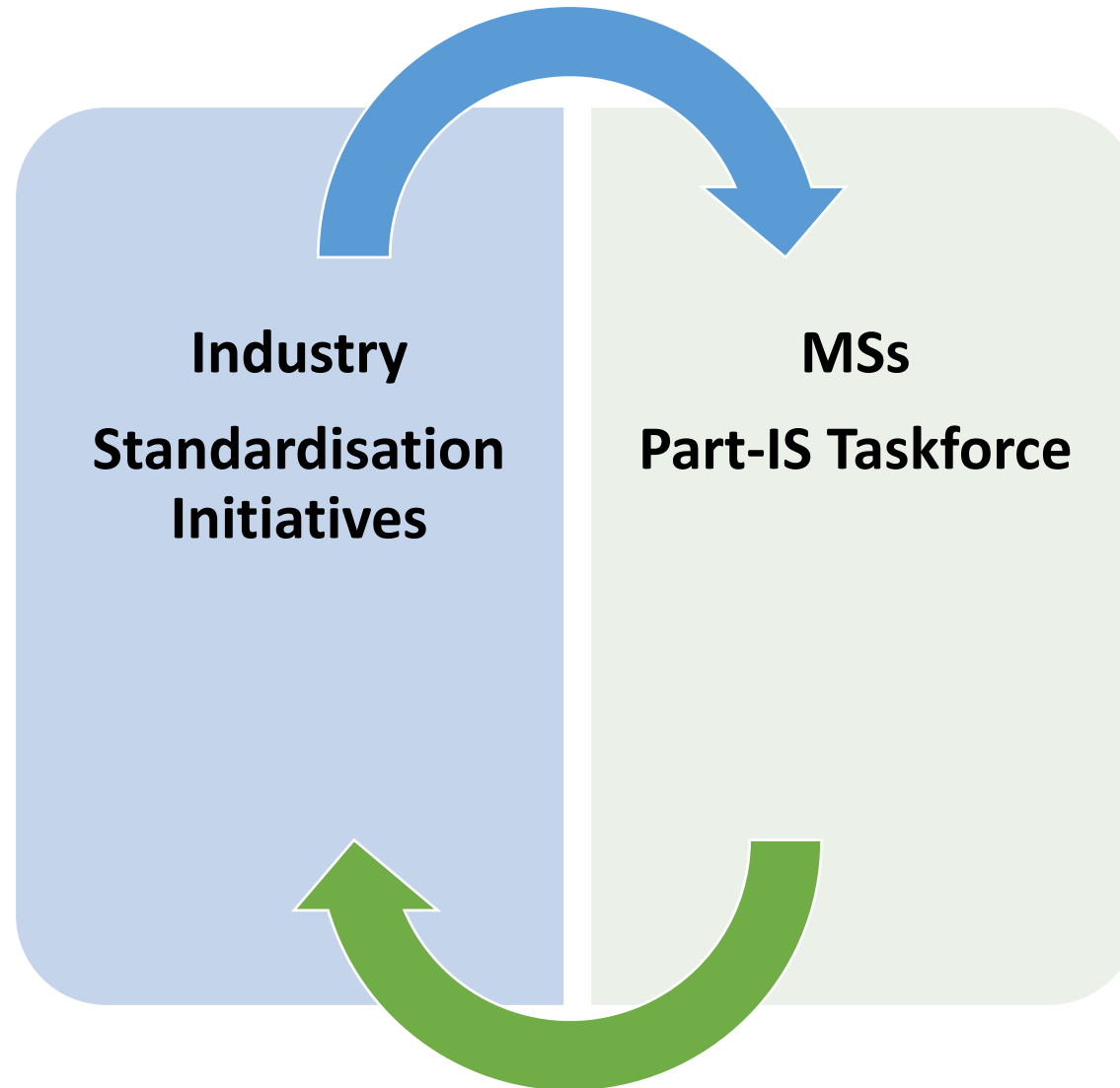
Acceptable Means of Compliance

- 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

Other initiatives supporting Part-IS implementation



AMC & GM update before Part-IS applicability

→ New guidance material has been/is being developed since the publication of AMC & GM

→ Some examples:

From the TF

- Part-IS compliance guideline for ISO/IEC 27001 certified organisations
- Assessment of requests for derogation

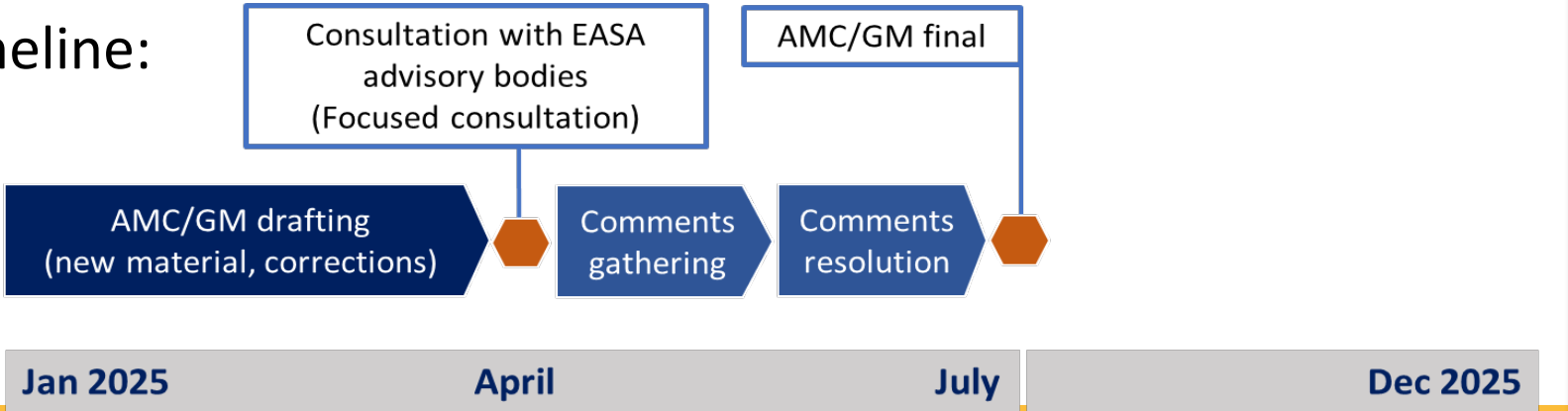
From EASA

- Adaptation of ENISA ECSF to Part-IS and the aviation domain

From Eurocae

- Updated ED-206 -> ED-206A
- ED-ISMS (maybe more likely in Q1 2025)

Tentative timeline:



Introduction to Part-IS and Organisational Impact



Part-IS Implementation Workshop

Overview of Part IS requirements: Organisation vs Authority

ORGANISATION	Description	AUTHORITY
IS.I.OR.100	Scope	IS.AR.100
IS.I.OR.200	Information security management system (ISMS)	IS.AR.200
IS.I.OR.205	Information security risk assessment	IS.AR.205
IS.I.OR.210	Information security risk treatment	IS.AR.210
IS.I.OR.215		
IS.I.OR.220	Information security incidents — detection, response, and recovery	IS.AR.215
IS.I.OR.225		
IS.I.OR.230	Information security external reporting scheme	✓
IS.I.OR.235	Contracting of information security management activities	IS.AR.220
IS.I.OR.240	Personnel requirements	IS.AR.225
IS.I.OR.245	Record-keeping	IS.AR.230
IS.I.OR.250		
IS.I.OR.255		
IS.I.OR.260	Continuous improvement	IS.AR.235

Overview of Part IS requirements: Organisation vs Authority

ORGANISATION	Description	AUTHORITY
IS.I.OR.100	Scope	IS.AR.100
IS.I.OR.200	Information security management system (ISMS)	IS.AR.200
IS.I.OR.205	Information security risk assessment	IS.AR.205
IS.I.OR.210	Information security risk treatment	IS.AR.210
IS.I.OR.215	Information security internal reporting scheme	
IS.I.OR.220	Information security incidents — detection, response, and recovery	IS.AR.215
IS.I.OR.225	Response to findings notified by the competent authority	
IS.I.OR.230	Information security external reporting scheme	✓
IS.I.OR.235	Contracting of information security management activities	IS.AR.220
IS.I.OR.240	Personnel requirements	IS.AR.225
IS.I.OR.245	Record-keeping	IS.AR.230
IS.I.OR.250	Information security management manual (ISMM)	
IS.I.OR.255	Changes to the information security management system	
IS.I.OR.260	Continuous improvement	IS.AR.235

Amendments in existing domain regulations 1/2

Organisation Requirements

1. **Provisions** to establish, implement and maintain an **ISMS** as per **IS.OR requirements**.

Authority Requirements

1. **Provisions** to establish, implement and maintain an **ISMS** as per **IS.AR requirements**.
2. **Provisions** to manage and **immediately react** to information security reports received by Organisation under IS.D/I.OR.230.
3. **Provisions** to **oversee Part-IS** implementation and **derogations** granted to Organisations as well as **changes** to the ISMS during the oversight audit cycle.
4. **Possibility** to **allocate oversight tasks** to qualified entities or relevant authority responsible for information security in the Member State.

Amendments in existing domain regulations 1/2

Organisation Requirements

1. **Provisions** to establish, implement and maintain an **ISMS** as per **IS.OR** requirements.

Hooking points to Part-IS requirements

Authority Requirements

1. **Provisions** to establish, implement and maintain an **ISMS** as per **IS.AR** requirements.
2. **Provisions** to manage and **immediately react** to information security reports received by Organisation under IS.D/I.OR.230.
3. **Provisions** to **oversee Part-IS** implementation and **derogations** granted to Organisations as well as **changes** to the ISMS during the oversight audit cycle.
4. **Possibility** to **allocate oversight tasks** to qualified entities or relevant authority responsible for information security in the Member State.

Amendments in existing domain-specific regulations 2/2

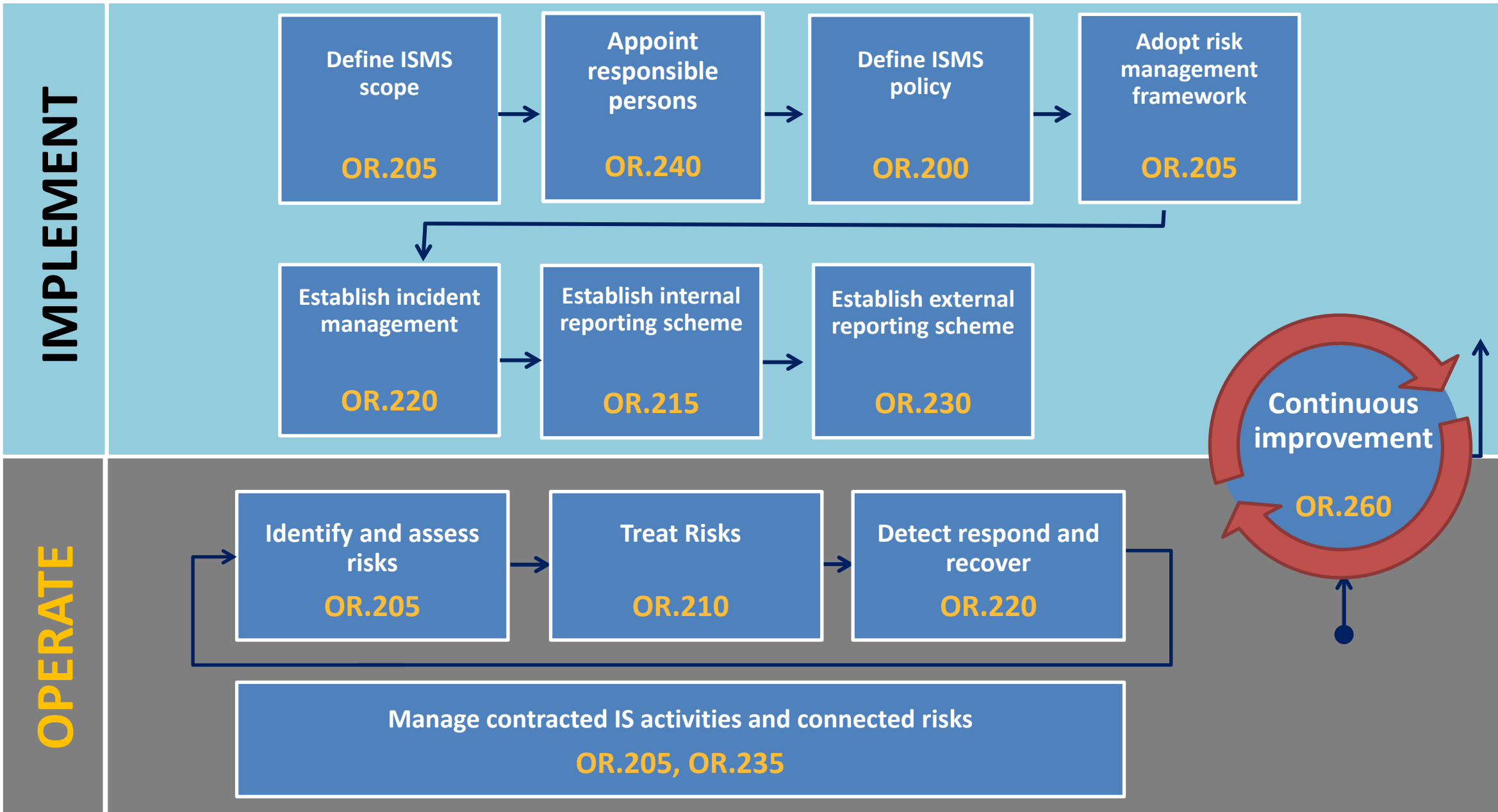
Part Area	Reg. 1178 ORA	Reg. 748 21	Reg. 965 ORO	Reg. 139 ADR	Reg. 340 ATCO	Reg. 373 ATM/ANS	Reg. 1321 CAMO	Reg. 1321 145
Hook to ISMS	.GEN.200A	.A.139A .A.239A	.GEN.200A	.OR.D.005A .OR.D.007 .OR.F.045A	.OR.C.001A	.OR.B.005A .OR.D.010	.A.200A	.A.200A

Part Area	Reg. 1178 ARA	Reg. 748 21	Reg. 965 ARO	Reg. 139 ADR	Reg. 340 ATCO	Reg. 373 ATM/ANS	Reg. 1321 CAMO	Reg. 1321 145	Reg. 1321 66
Hook to ISMS	.GEN.200	.B.25	.GEN.200	.AR.B.005	.AR.B.001	.AR.B.001	.B.200	.B.200	.B.15
Imm. React. to IS Reports	.GEN.125 .GEN.135A	.B.15 .B.20A	.GEN.125 .GEN.135.A	.AR.A.025 .AR.A.030A	.AR.A.020 .AR.A.025A	.AR.A.020 .AR.A.025A	.B.125 .B.135A	.B.125 .B.135A	N/A
Oversight	.GEN.300 .GEN.330A	.B.221 .B.240A .B.431 .B.435A	.GEN.300 .GEN.330A	.AR.C.005 .AR.C.040A	.AR.C.001 .AR.E.010A	.AR.C.010 .AR.C.025A	.B.300 .B.330A	.B.300 .B.330A	N/A
Allocation of tasks	.GEN.205	.B.30	.GEN.205	.AR.B.010	.AR.B.005	.AR.B.005	.B.205	.B.205	N/A

Provisions introduced in new domain-specific regulations (2023/1769 and 2024/1109)

Area \ Part	Reg. 1769 DPO
Hook to ISMS	.OR.B.001

Area \ Part	Reg. 1769 DPO	Reg. 1109 AR.UAS
Hook to ISMS	.AR.B.001	.GEN.200
Immediate reaction to IS Reports	.AR.A.015	.GEN.125 .GEN.135A
Oversight	.AR.C.010	N/A
Allocation of tasks	N/A	.GEN.205

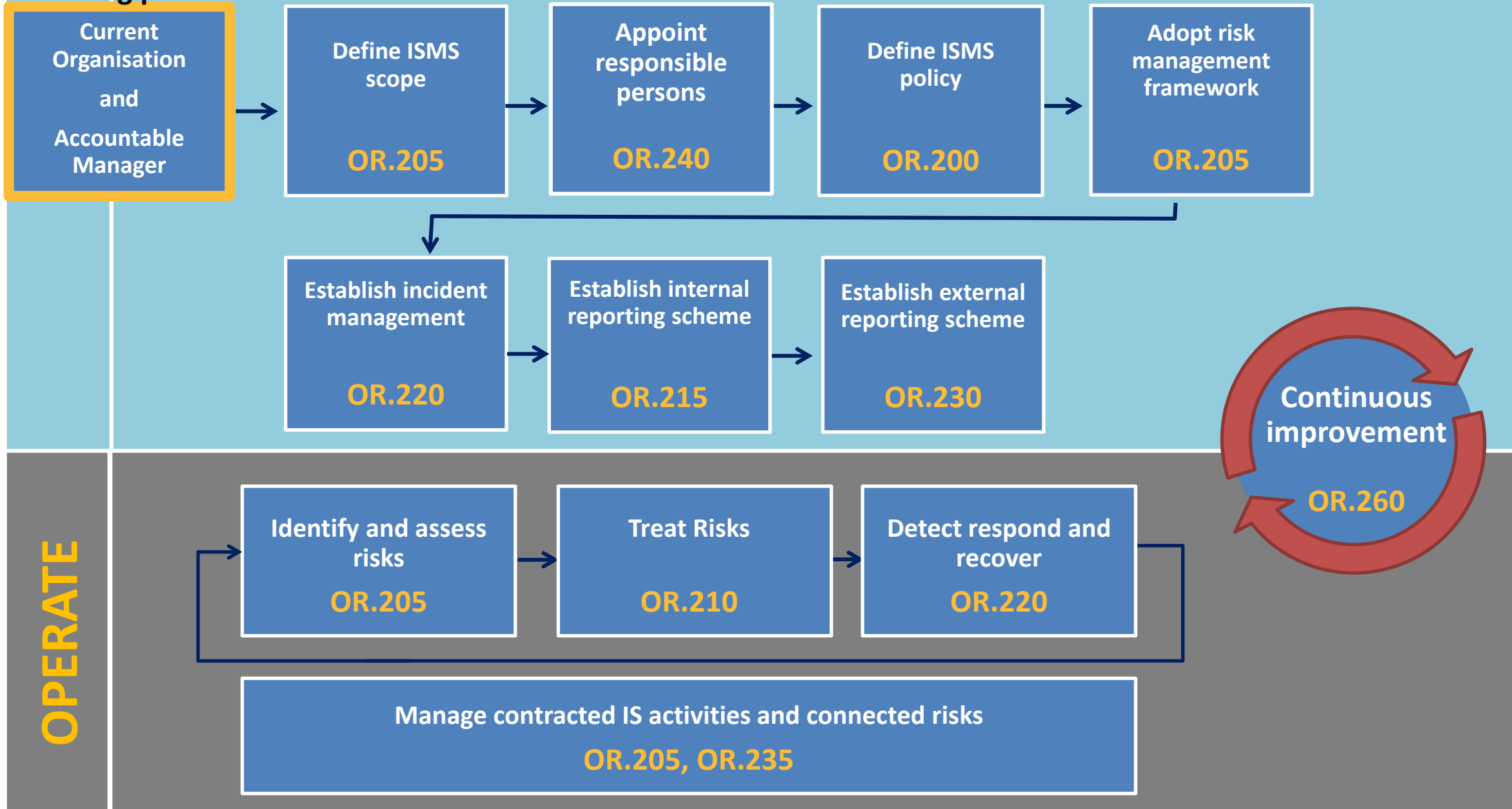


Organisational Impact

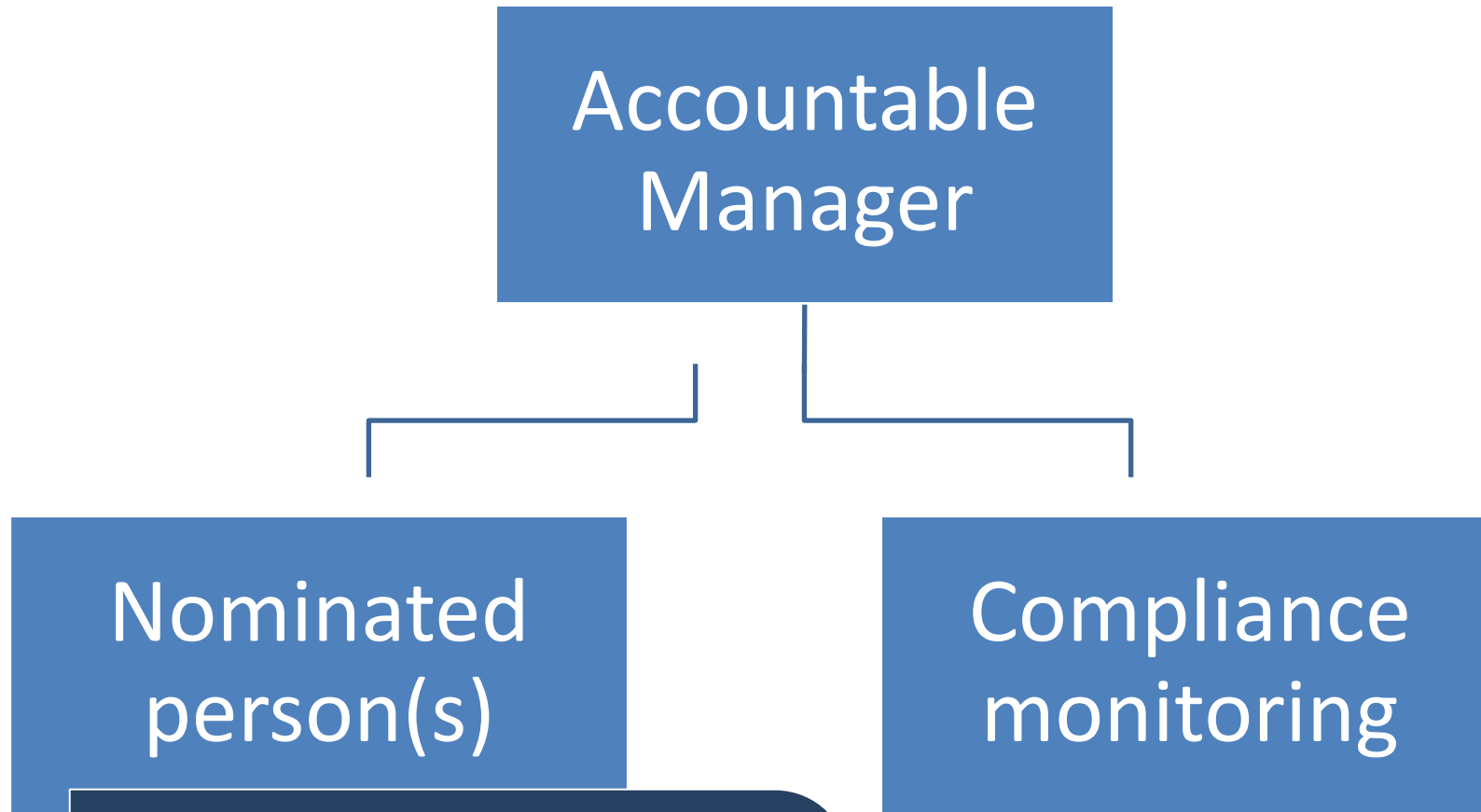


Part-IS Implementation Workshop

Starting point



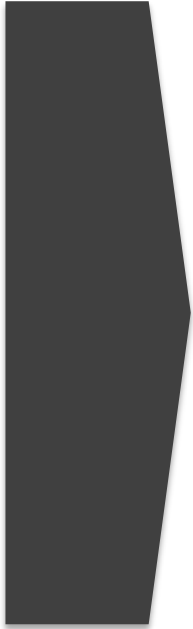
Organisational structure



How to make this delegation of responsibility effective?

Determination of sufficiency

Part-IS tasks*
Task 1
Task 2
Task 3
Task 4
Task



Level of effort

Organisational structure and scope of the ISMS

Contracted organisations to be coordinated

Level of risk associated with the activities



* Appendix II to AMC/GM of Part-IS

Personnel Competence

Part-IS tasks*
Task 1
Task 2
Task 3
Task 4
Task

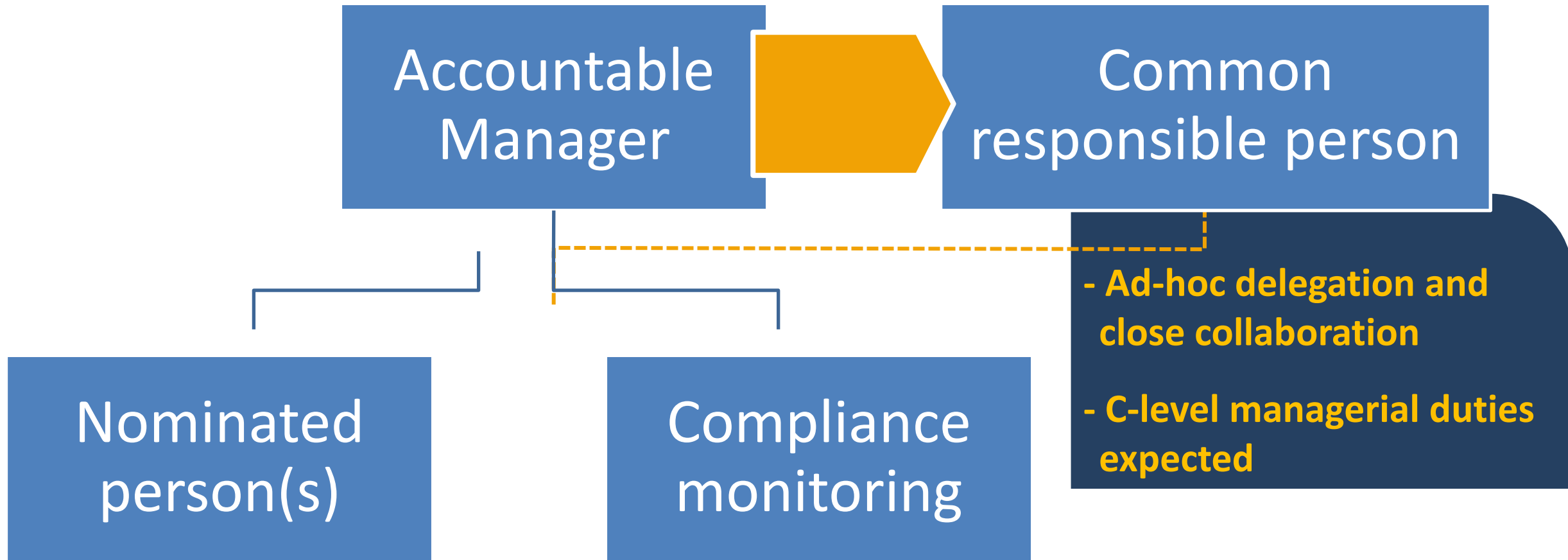


Competency/Ability*
Competence / Ability 1
Competence / Ability 2
Competence / Ability 3
Competence / Ability 4
Competence / Ability ...

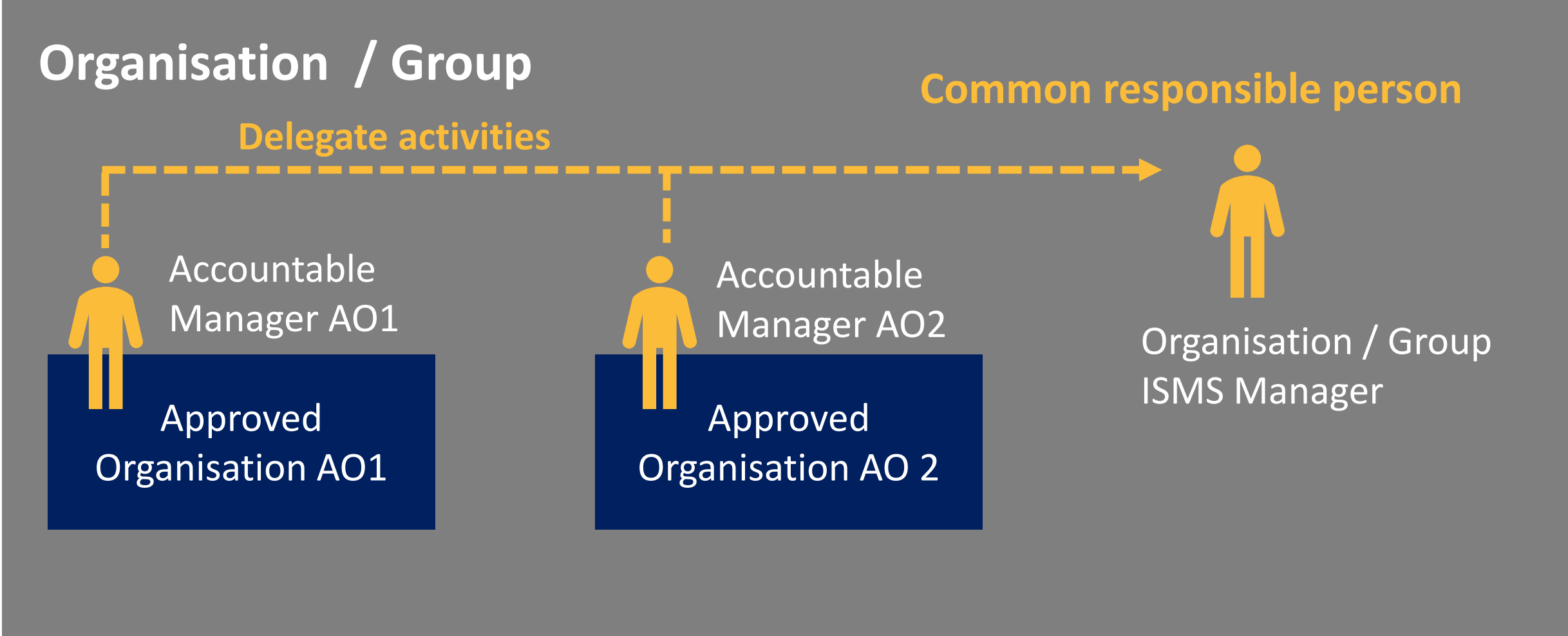


* Appendix II to AMC/GM provides a mapping between Part-IS Tasks and **NICE CSF v1.1**

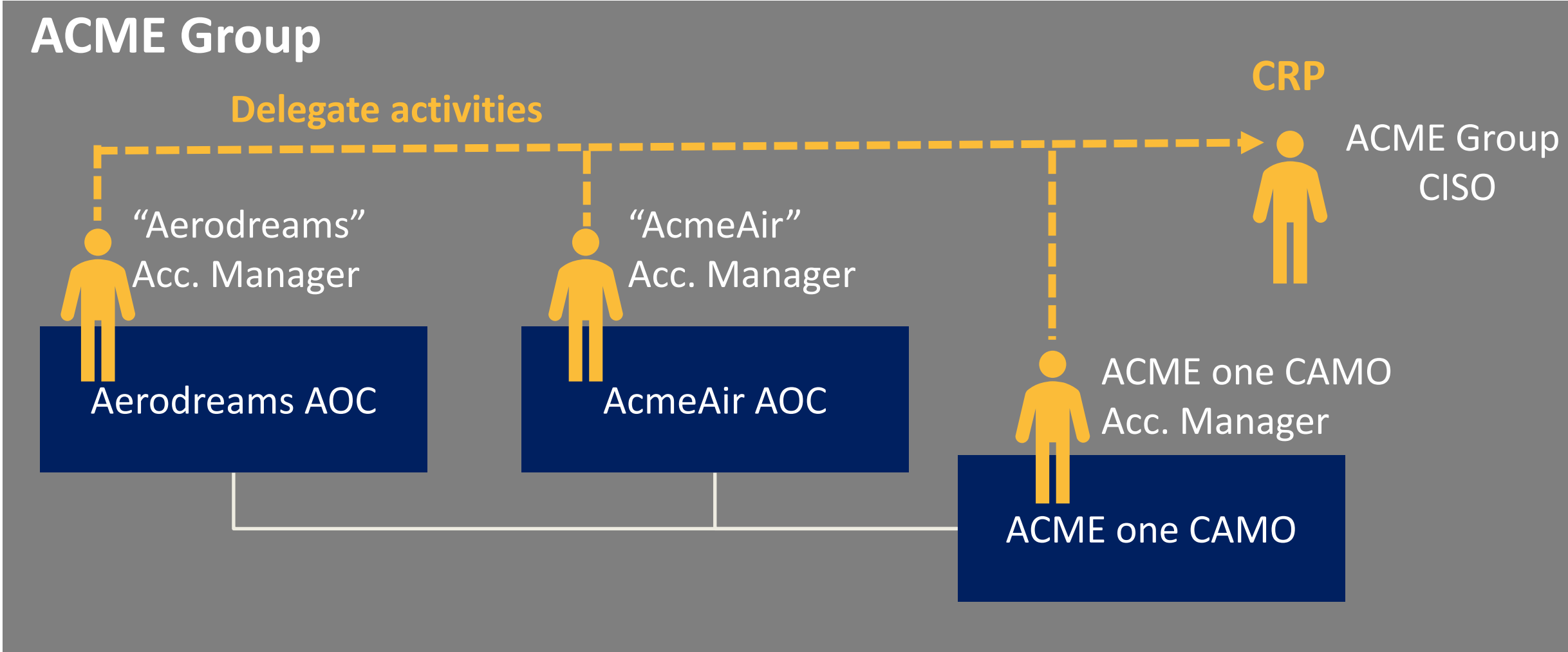
Organisational structure

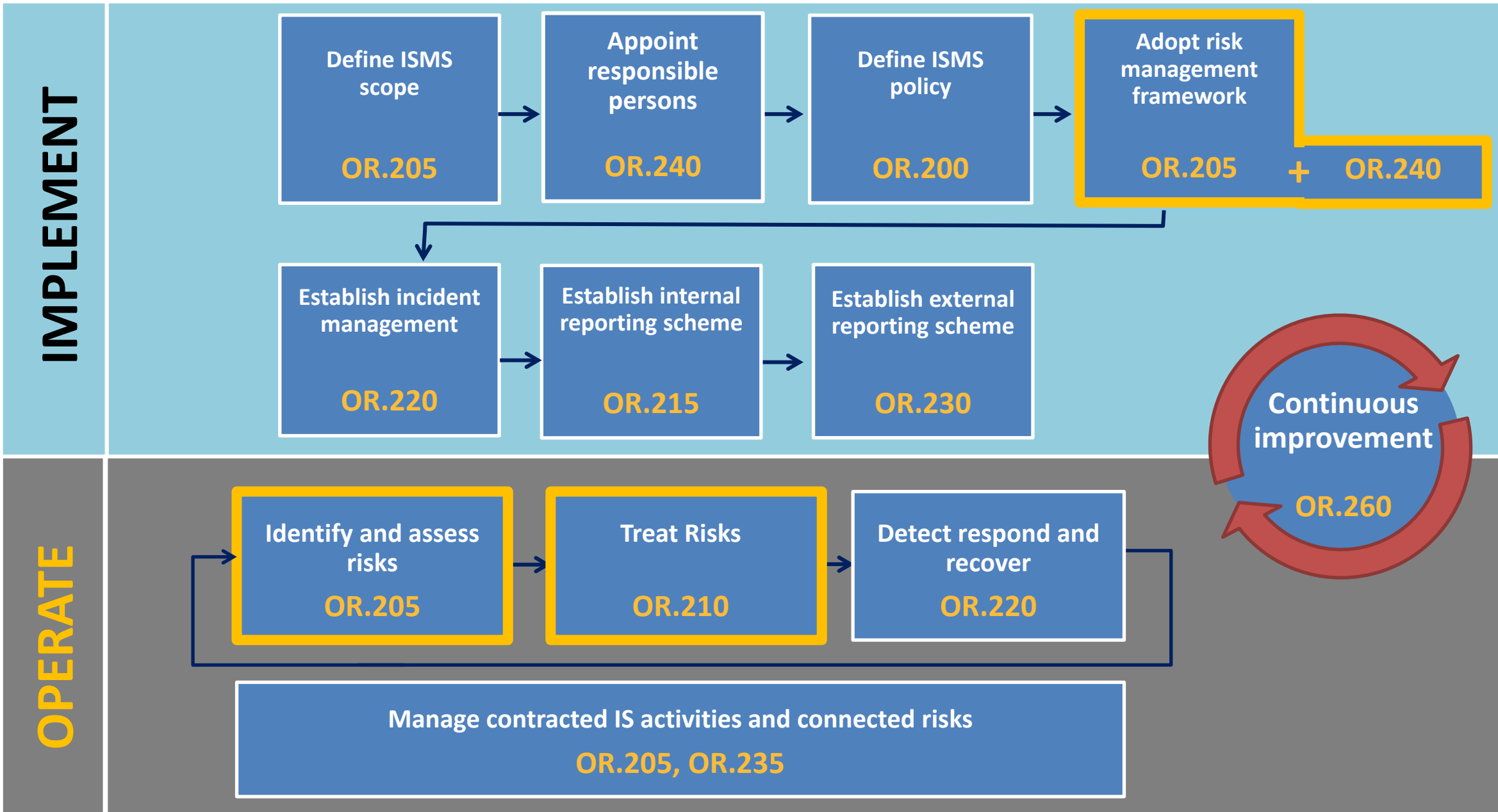


Common responsible person



Example – Group controlling multiple AOs

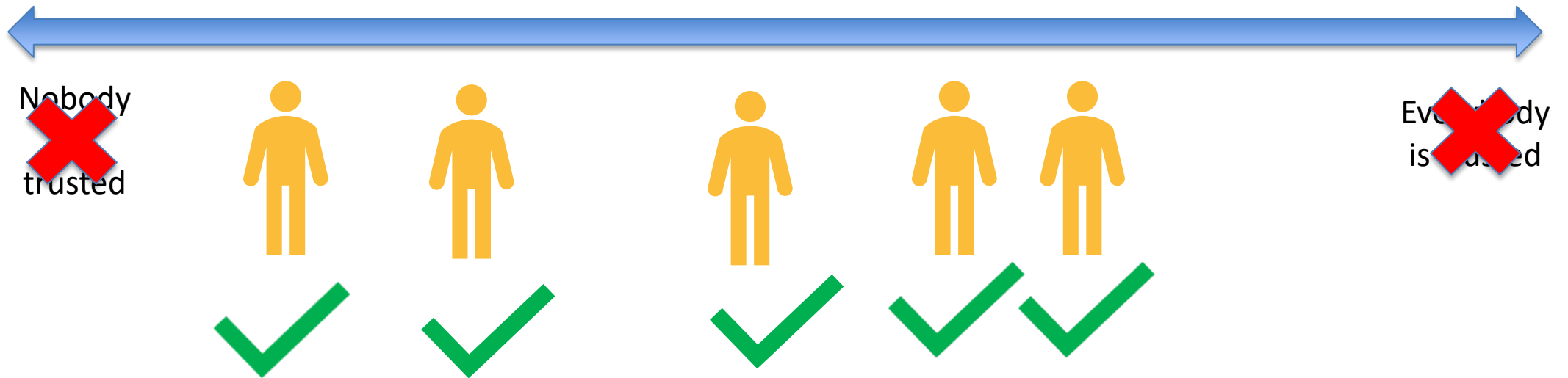




Trustworthiness

Level of trustworthiness should match the role:

- Extremes such as "everyone is trusted" or "nobody is trusted" should be avoided.



Trustworthiness

Trustworthiness criteria/procedures can be used to justify risk assessment assumptions.



Prior to employment

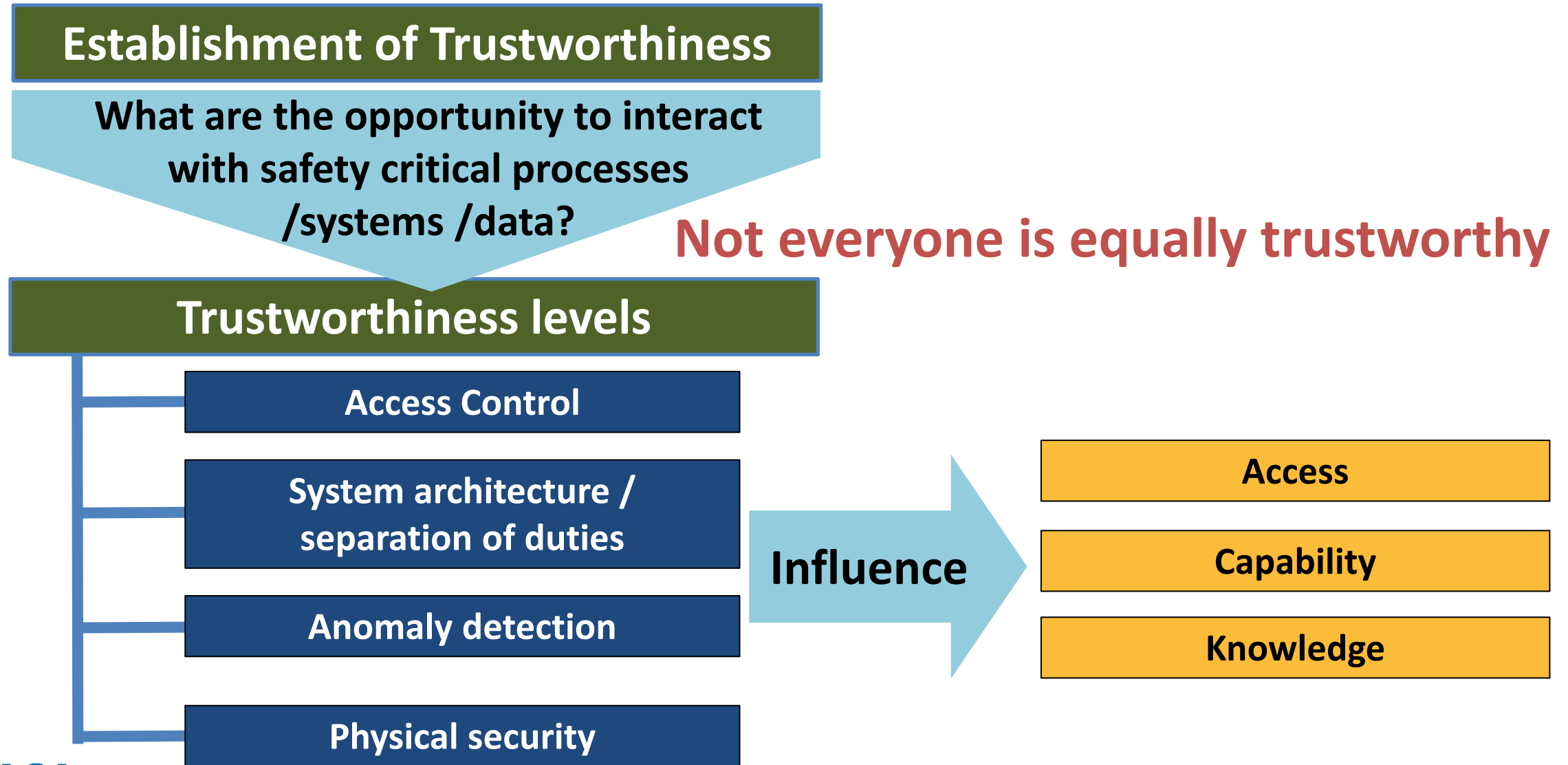
- background check, that may include verification of:
 - education, previous employment any employment gaps
 - absence of criminal record
 - other relevant information or intelligence considered relevant



During employment

Monitoring the employee's commitment and conduct.

Trustworthiness



Coffee break – *15 minutes*

Join us in the Main Foyer



Part-IS Implementation Workshop

Panel 1 - Part-IS early implementers' feedbacks



Part-IS Implementation Workshop



Gian Andrea Bandieri is responsible, since November 2021, for the EASA team dealing with Cybersecurity in Aviation, which includes rulemaking, information sharing, threats identification, capacity building and research. In addition, Security and Conflict Zones are also under his responsibility.

He holds a Master degree in Aeronautical Engineering from Politecnico di Torino and a Master in Aviation Law from the University of Modena.



Arnold Hoessler joined the senior leadership team of Cyber Security and IT Management at Lufthansa Group in May 2024 and is responsible for the Information Security Management System and Cyber Assurance and Standards.

With an engineering and business management background, he has served the Lufthansa Group companies for 25+ years in various leadership roles in technical fleet management, quality and operations.

Part IS - we make cyber fly



- ✓ One LHG ISMS 27k1
- ✓ > 1,8m IT assets
- ⚡ Threats on rise



- 46 organizations
6 authorities
- > 800 aircraft
- Safety for 130m pax

! **Focus on initial compliance by Feb 2026**

! **Leverage robust standards i.e. ISO27k1**

! **Guidance for Supply Chain & OEM support**

! **PanEU authority standards for implementation**

Team wins – we are 130k cyber defenders



Jarno Ruotsalainen is Head of Operations Support at Nordic Regional Airlines, where he leads a multidisciplinary team of experts in various areas of operations and business support. He also acts as Head of IT and is responsible for IT services and solutions, including cyber security.

With almost 12 years of experience in airline operations and especially operational engineering, Jarno has a broad and an engineering-like approach and view of airline operations in a whole.



Part-IS Implementation Project

Jarno Ruotsalainen
Head of Operations Support
Nordic Regional Airlines (Norra)

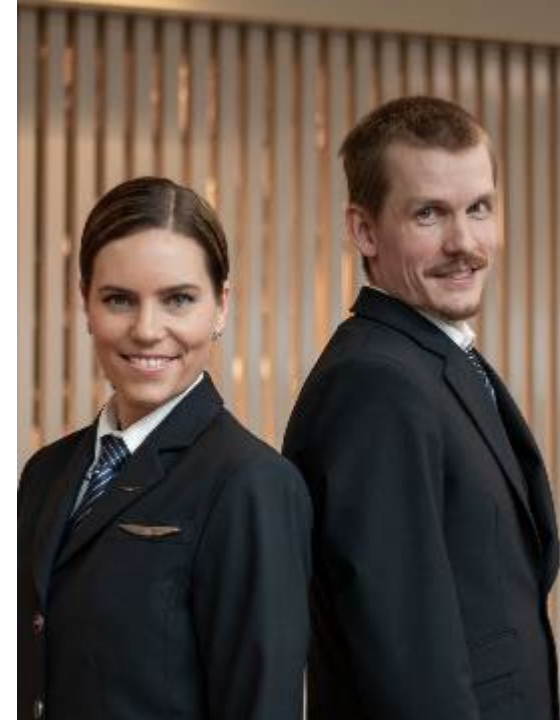
Introduction and starting point

- Regional operator based in Finland
 - Strategic partner of Finnair
 - Over 50 000 flights per year
 - Appr. 720 employees
- Safety Management System (SMS)
 - Maturity level good
 - Risk assessment processes in place
 - Good reporting culture
 - Continuous improvement
- Information security
 - Commonly known best practices mostly in use
 - Technical solutions and processes
 - High level of automation and digitalization
 - Not integrated into SMS
 - No dedicated Information Security Management Manual (ISMM)



Project so far

1. Inventory and mapping
 - Technical solutions
 - Processes
 - Resources
2. Identification of systems and information
 - Impact on flight safety
 - Classification of criticality -> prioritisation
 - Risk assessments
3. Scoping of ISMS
 - Part-IS + other legislation
 - Required new processes, resources, training
4. Integration of ISMS into the SMS
5. Documentation required
 - ISMM
6. New technical solutions will be implemented, e.g. for asset and service management
 - Maximum use of automation





N°RRA

Outstanding Aviation



Tomi Salmenpää is a Chief Adviser in Aviation Cybersecurity to Traficom, Civil Aviation Authority (CAA) Finland. In his current role he focuses on the implementation of information security to the civil aviation system. Tomi contributes actively to the international co-operation developing policies, - best practices and holistic information security to aviation. He has nearly 20 years' experience in aviation security and cyber security, gained in the aviation industry and at the CAA.

TRAFICOM

Liikenne- ja viestintävirasto

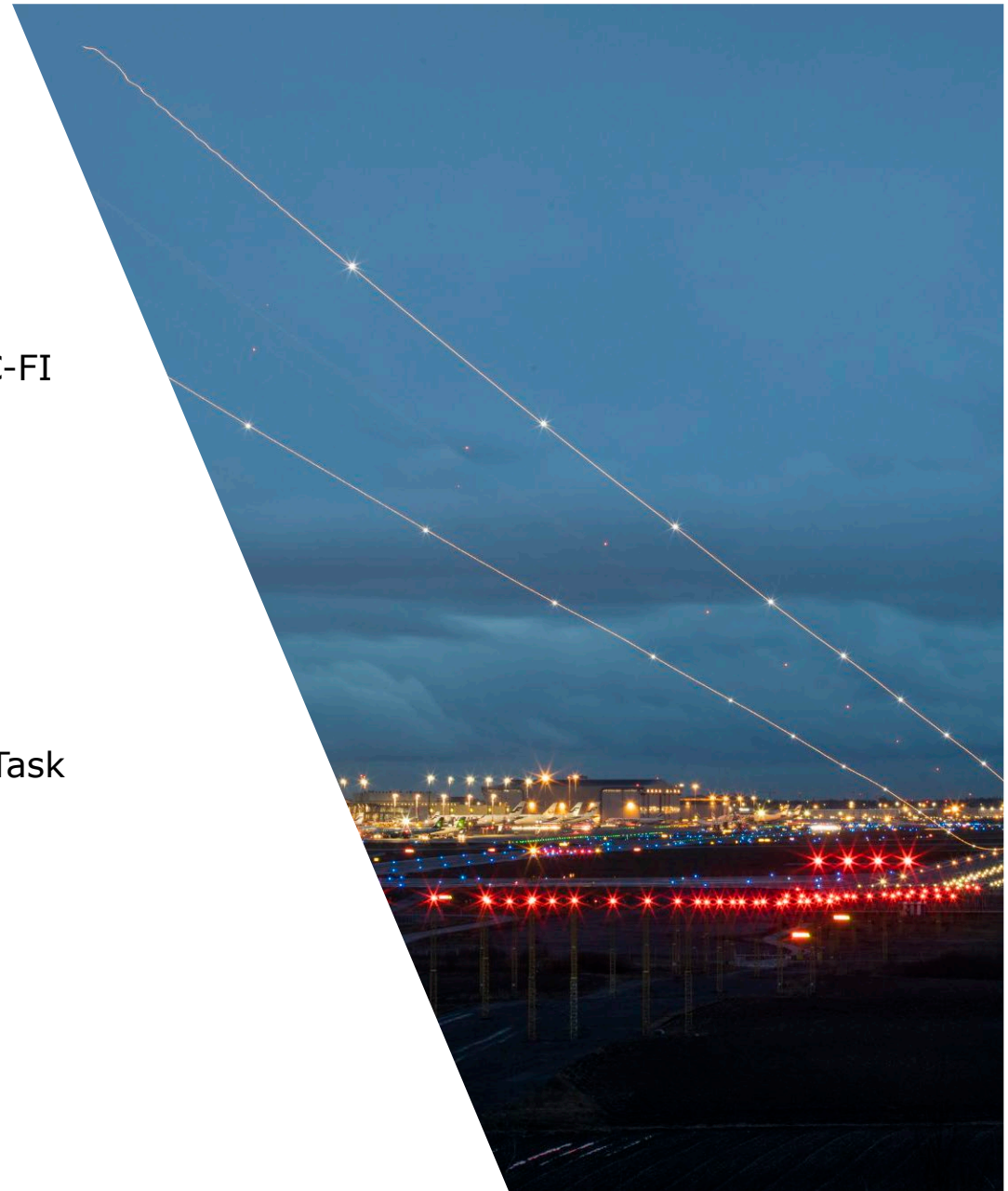
Part-IS Early Implementers' Experiences

7.11.2024
Tomi Salmenpää



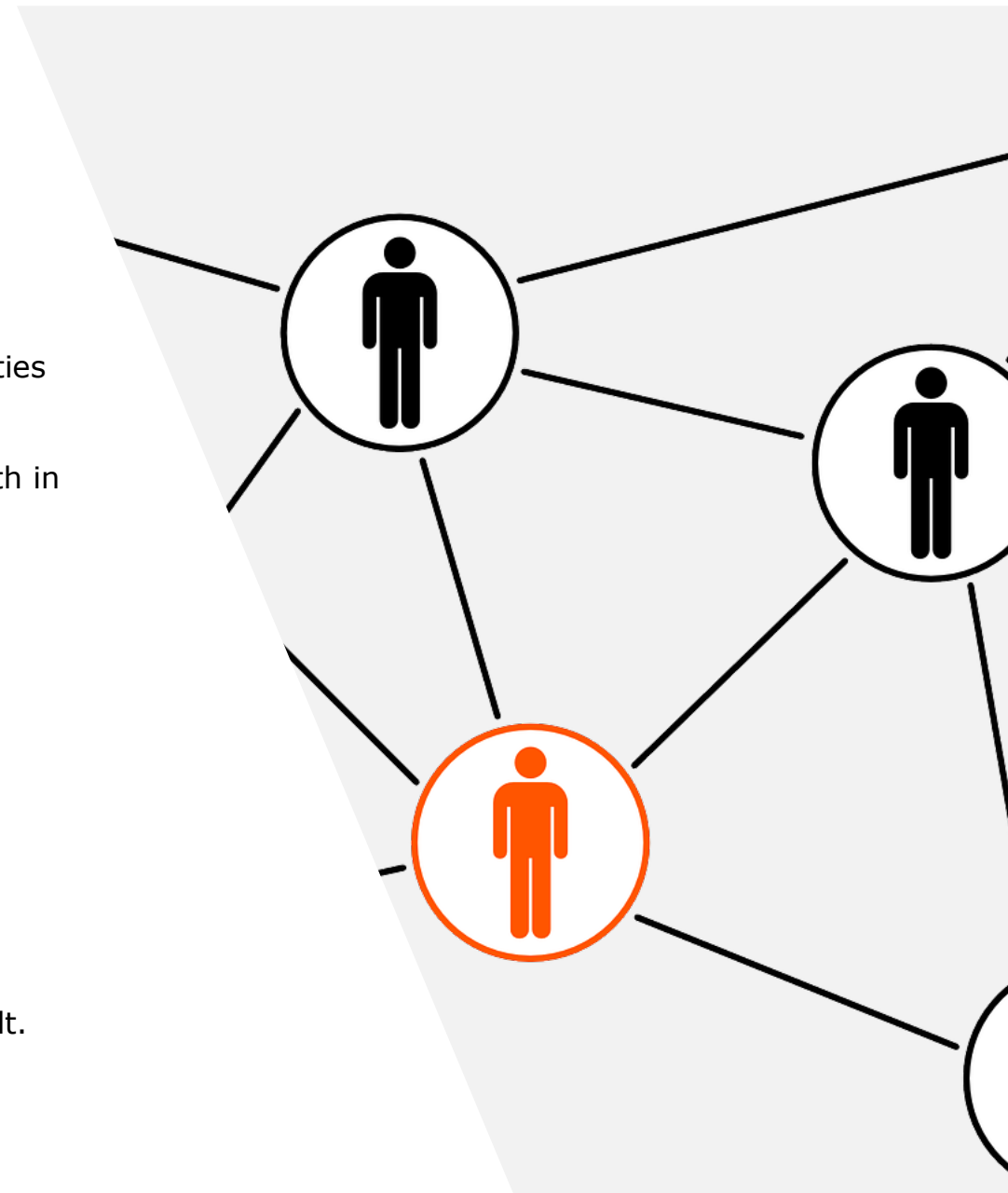
Part-IS early implementers', Key Experiences, CAA Finland

- ▶ Traficom: All transport modes, communications agency and NCSC-FI
- ▶ Part-IS roles (also NIS2 and avsec)
 - ▶ Service provider: CAA for all aviation domains (Certificates, oversight and approvals)
 - ▶ Oversight
- ▶ History with Part-IS
 - ▶ Drafting of Part-IS and AM&GM, now in Part-IS implementing Task Force
 - ▶ Until early 2024, found appropriate approach to Traficom



Part-IS early implementers', Key Experiences, CAA Finland

- ▶ Integration of Part-IS into existing aviation governance (roles & responsibilities remains in as they are)
- ▶ Interconnect (collide) aviation safety and information security functions, both in organisations AND authorities
 - ▶ Not all aviation domains are similar
 - ▶ Culture (People, processes, ways of work, knowledge..)
 - ▶ Safety risks
 - ▶ Objective: Appropriate Part-IS implementation
 - ▶ Risk management
 - ▶ Ensure efficient risk management (avoid complexity)
 - ▶ Focus in crown jewels
- ▶ Theory and practise goes hand in hand. Theorizing perfect solution is difficult. Take the first step, evaluate & direct, take the second step..





Alain Combes is a product security expert in Airbus Commercial and leads the Part-IS ISMS implementation and operation for the Design Organisation Approval scope. He also chairs the ASD Europe Civil Aviation Cybersecurity Committee and the EUROCAE “Aeronautical Systems Security” WG-72 Subgroup responsible for ED-206 (Security Event Management Guidance document) and ED-204 (Information Security Guidance for Continuing Airworthiness).

He holds a master’s degree in information processing technologies.



Airbus – Part-IS early implementers’ feedback

Alain Combes, Airbus Commercial DOA ISMS Officer

November 2024

AIRBUS

Part-IS Applicability in Airbus Commercial



DESIGN & MANUFACTURING

IN SERVICE

IN OPERATIONS

21J

21G

145

CAMO

ADR

ATM/ANS

ORO

ORA



Part-IS: Federated ISMS Instances

(Airbus Commercial example)



ISMS Officer

Local ISMS Officers

Security Representatives

SECURITY POLICY

ENGINEERING

OPERATIONS

CUSTOMER SERVICES

Common
Processes
&
Methods

DOA

POA

DOA POA MOA CAMO ATO



INFORMATION MANAGEMENT

Q&A – 30 minutes



Part-IS Implementation Workshop



Davide Martini has been a Senior Cybersecurity Expert at EASA since 2016. He leads efforts in developing aviation cybersecurity regulations and the implementation of the European cybersecurity strategy for aviation. Previously, he spent over 15 years in the aviation industry. He holds a Master degree in Aerospace Engineering from Politecnico di Milano.



Christophe Soriano is currently leading an Airbus project securing the Part-IS compliance of the DOA, POA, MOA, CAMO and ATO activities of Customer Services.

He holds a degree in Computer Science Engineering and has worked in the industrial software industry for 13 years in various business areas, including automotive and aerospace, from developer to project manager, gaining extensive experience ranging from security assurance for embedded software to building product security management systems.



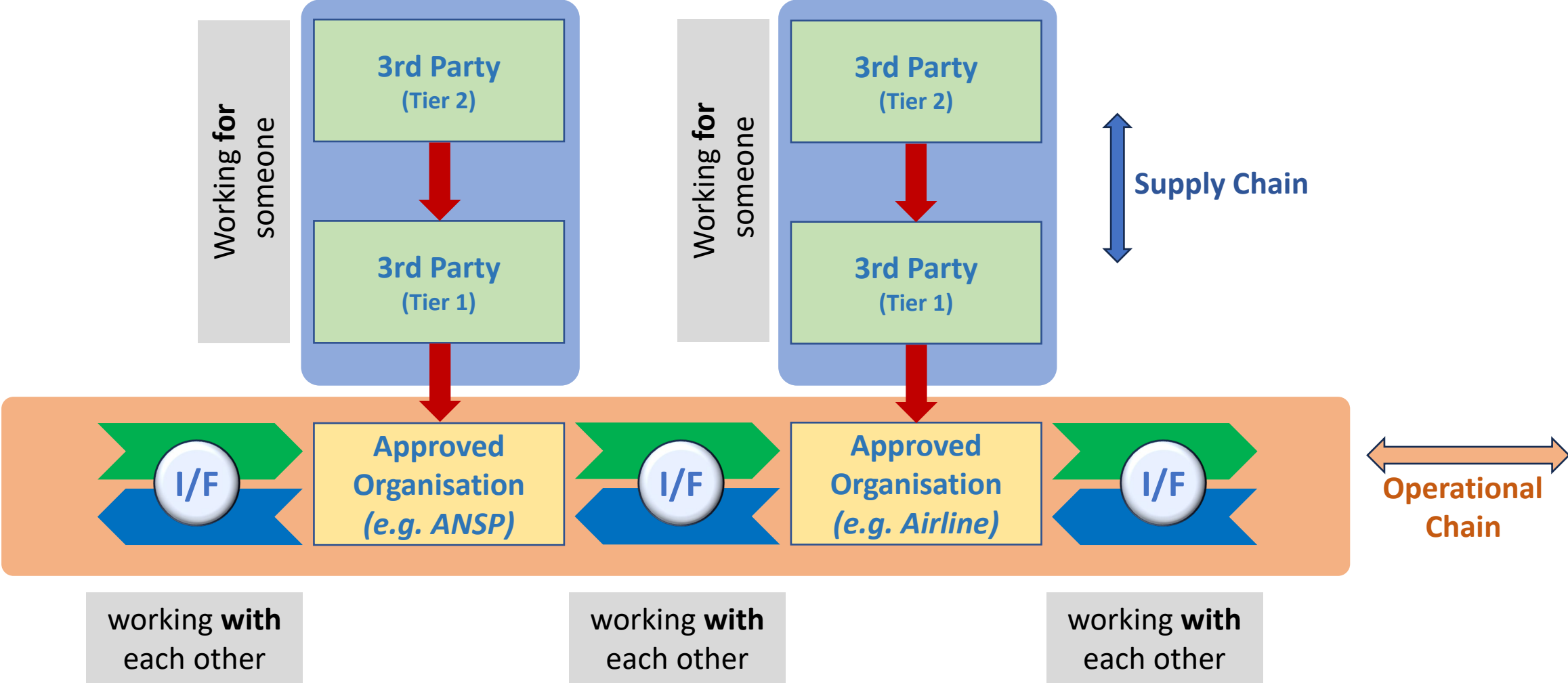
Alexander Kalev is a cybersecurity engineer at the Airbus Customer Services Security Team . He is currently working on risk assessments related to aircraft maintenance and ground support equipment.

Examples of functional chains and shared risks

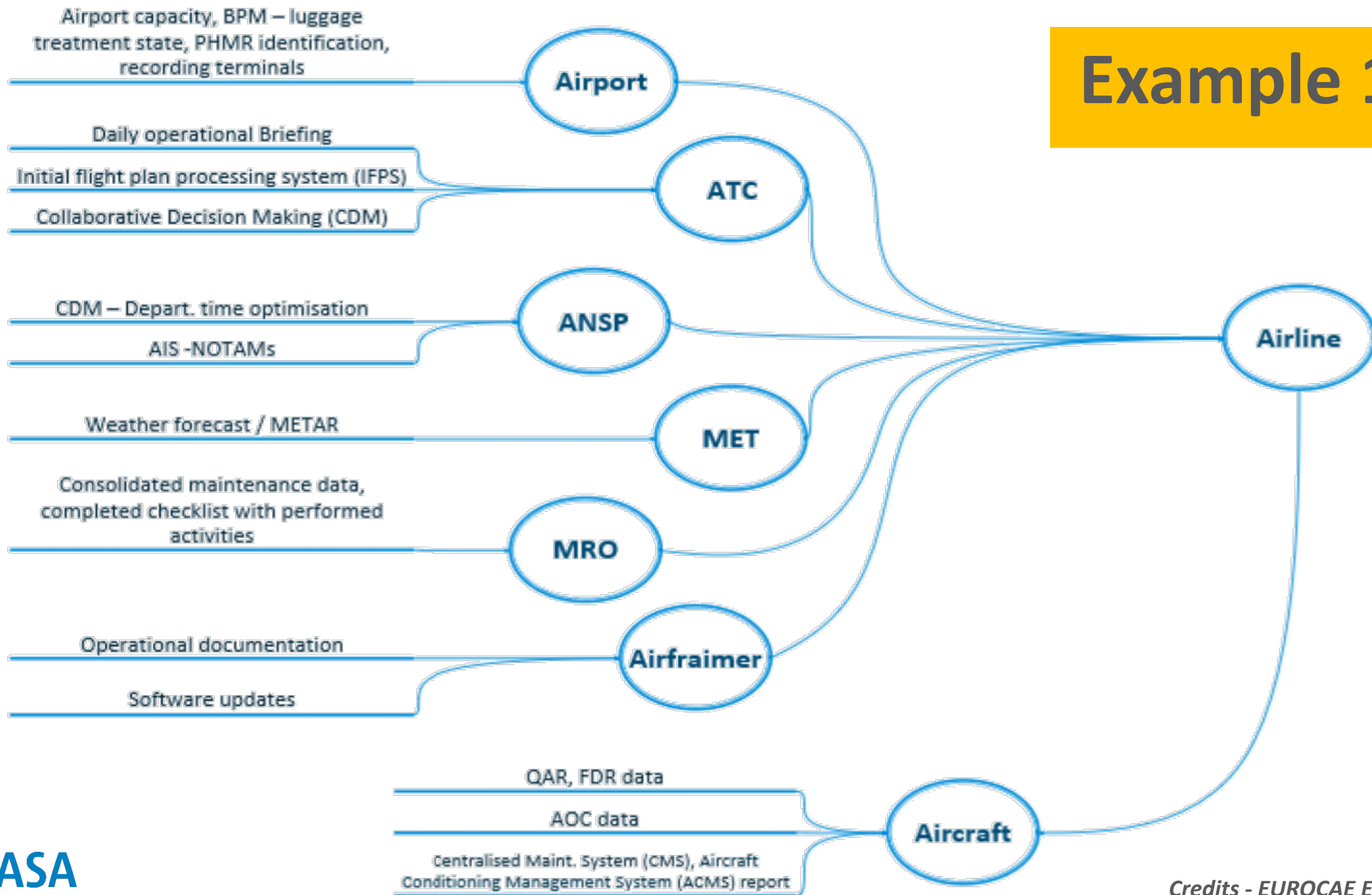


Part-IS Implementation Workshop

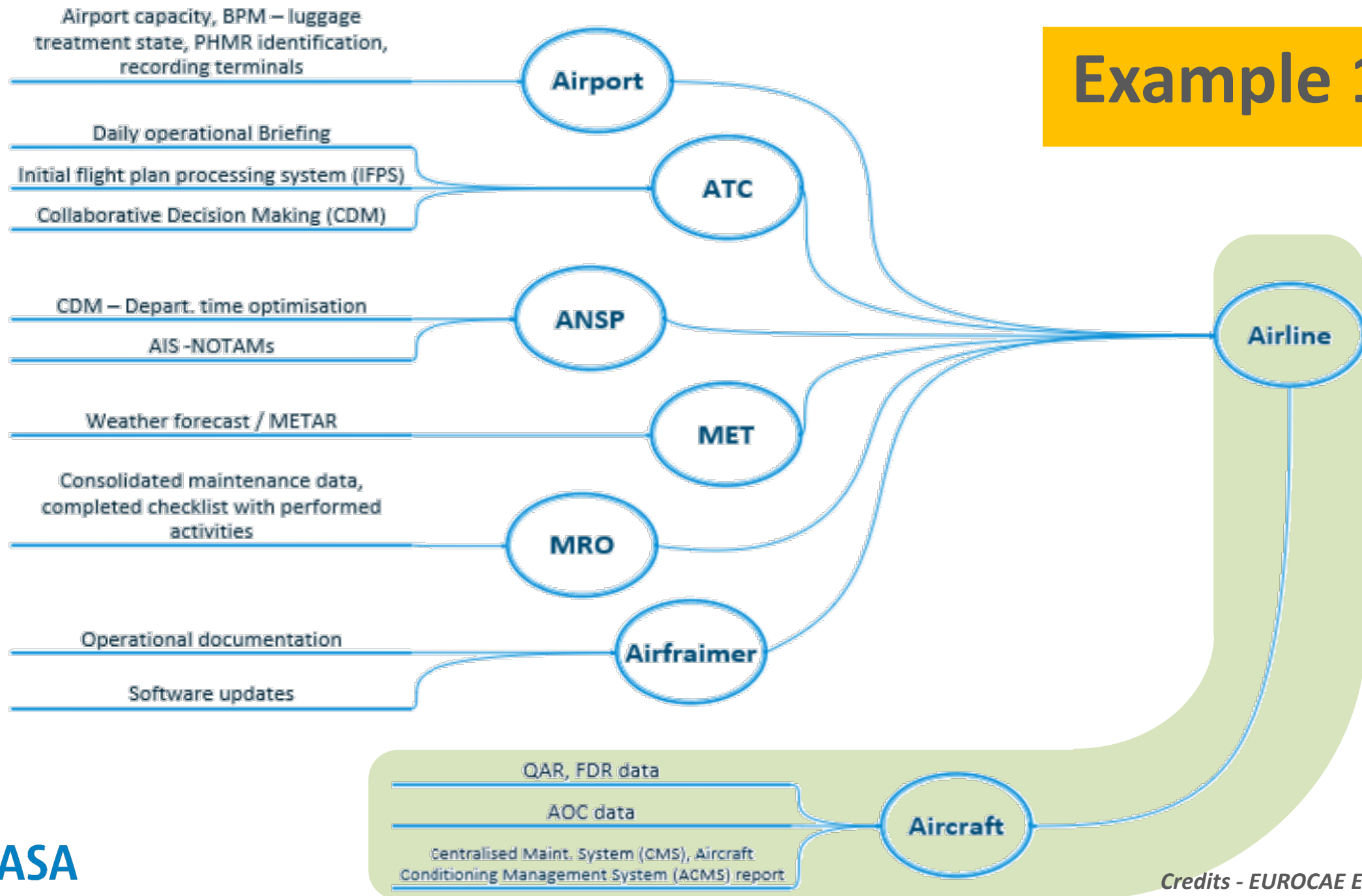
What functional chain means



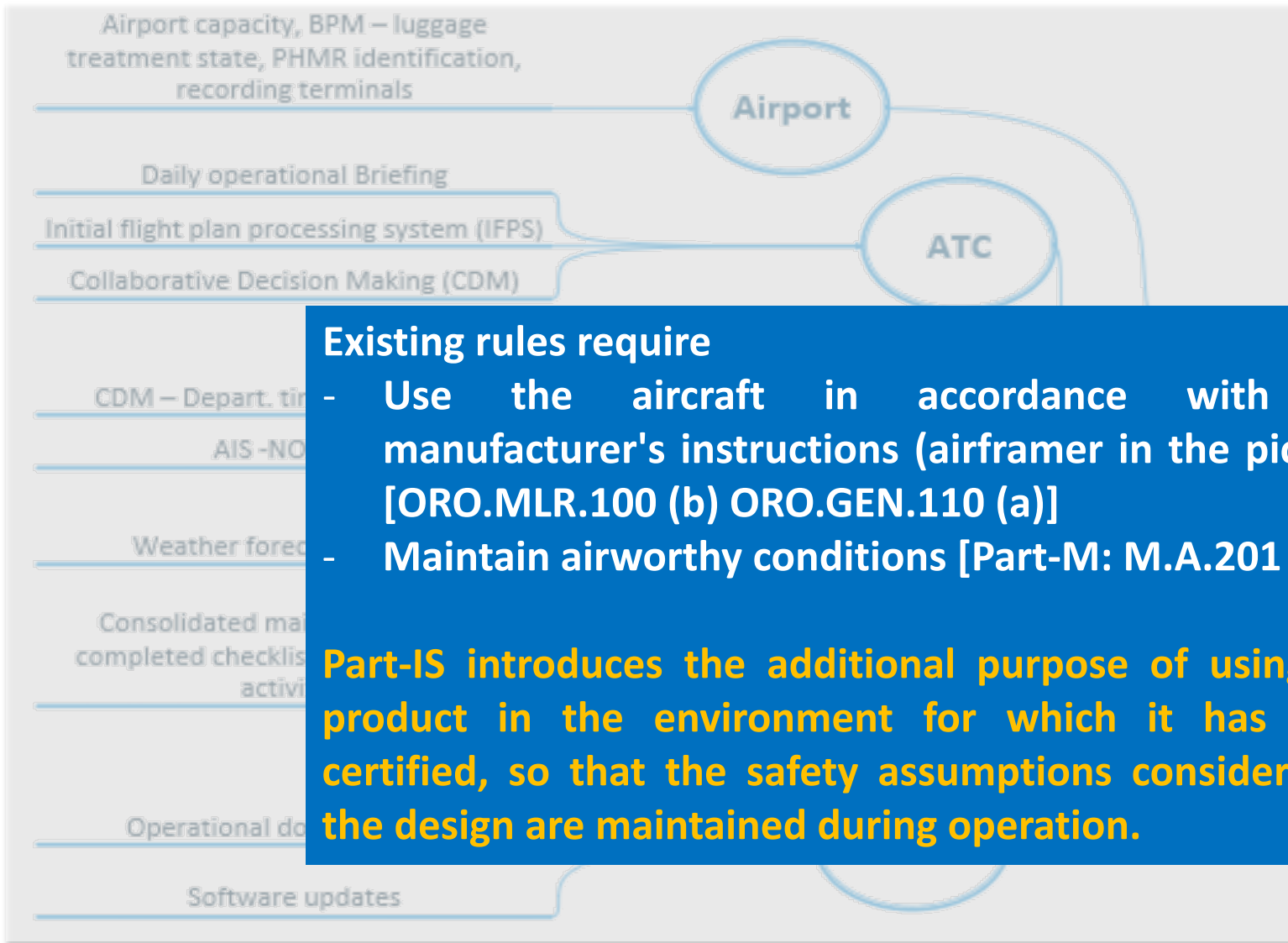
Example 1



Example 1



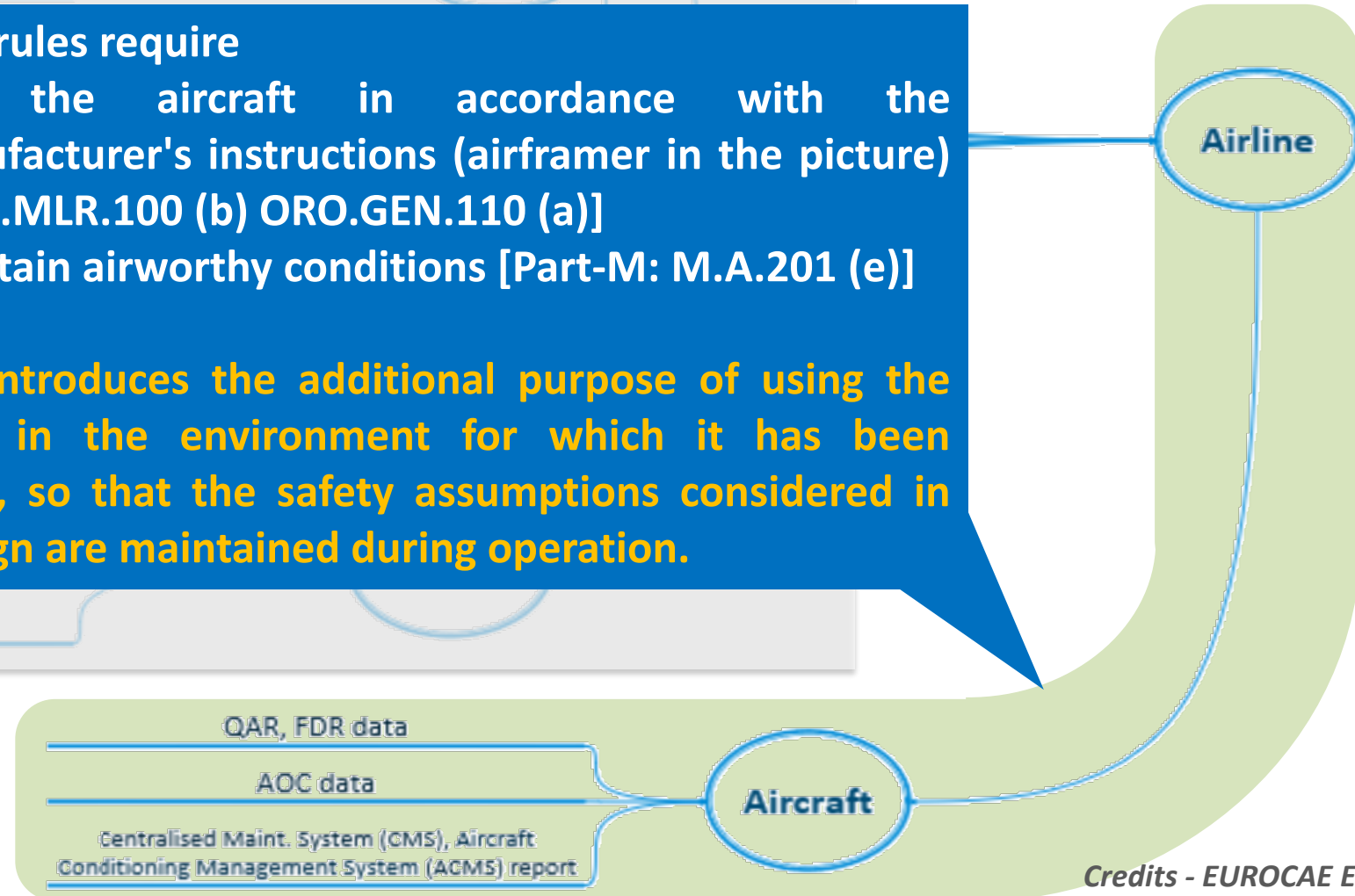
Example 1



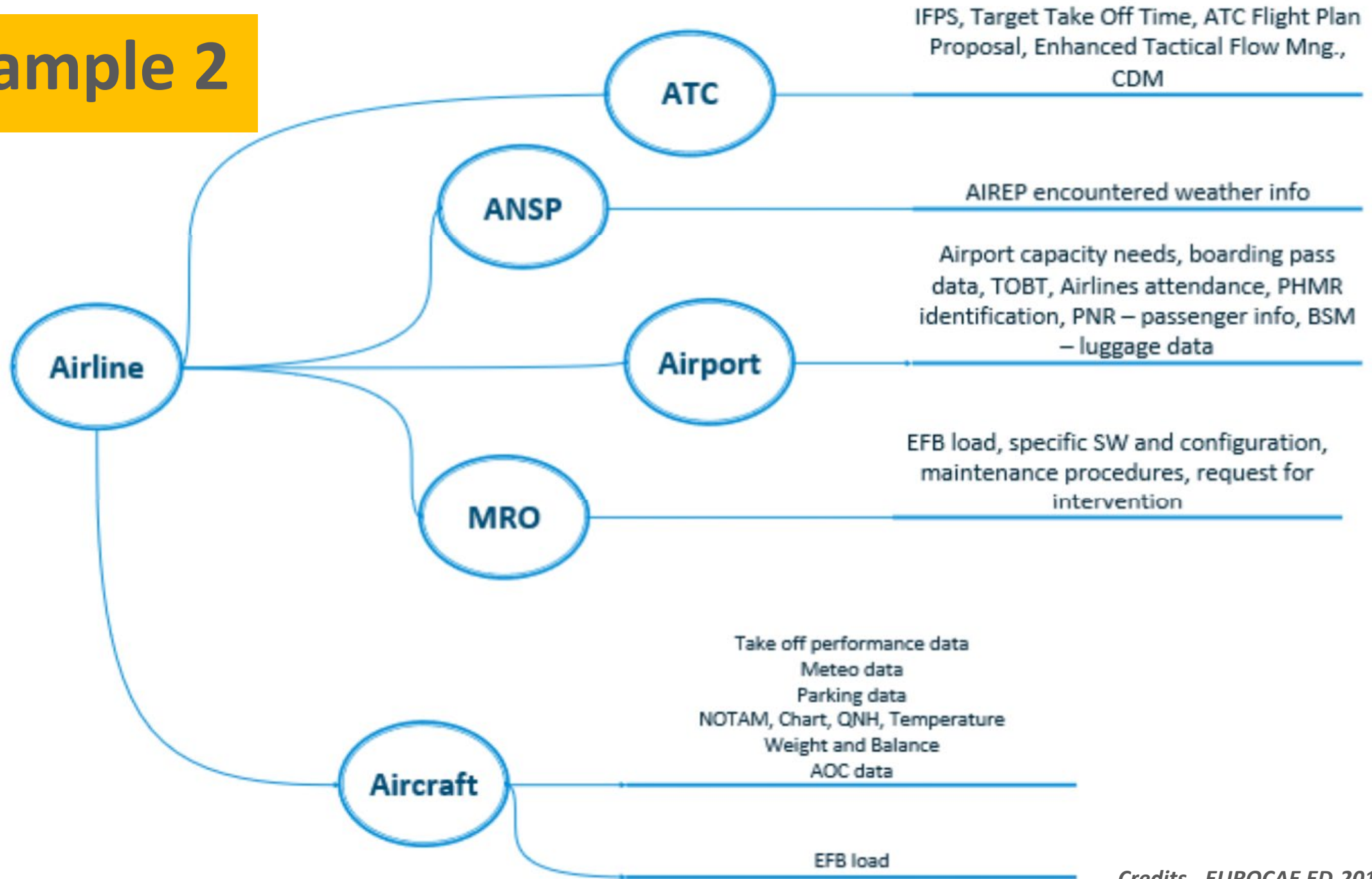
Existing rules require

- Use the aircraft in accordance with the manufacturer's instructions (airframer in the picture) [ORO.MLR.100 (b) ORO.GEN.110 (a)]
- Maintain airworthy conditions [Part-M: M.A.201 (e)]

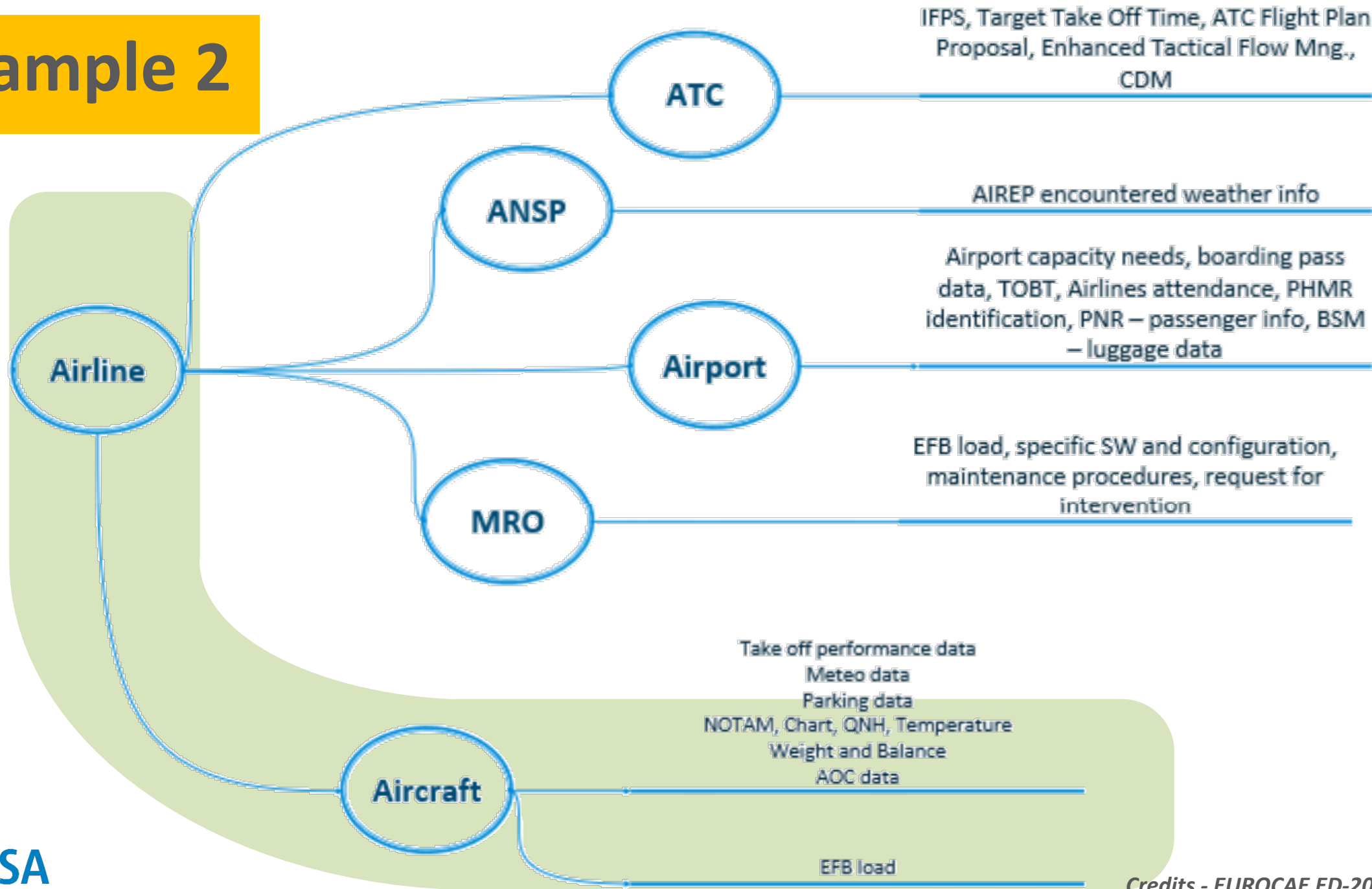
Part-IS introduces the additional purpose of using the product in the environment for which it has been certified, so that the safety assumptions considered in the design are maintained during operation.



Example 2



Example 2

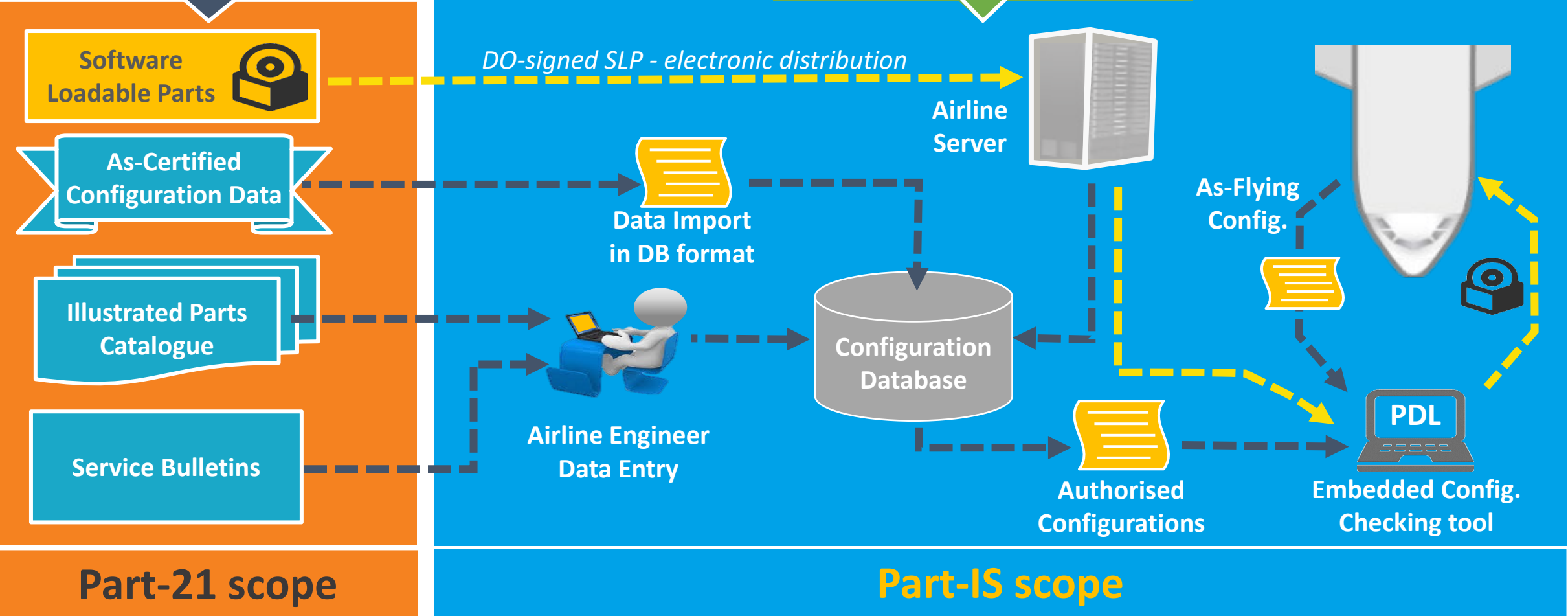


Part-IS and Part-21 cont. airworthiness

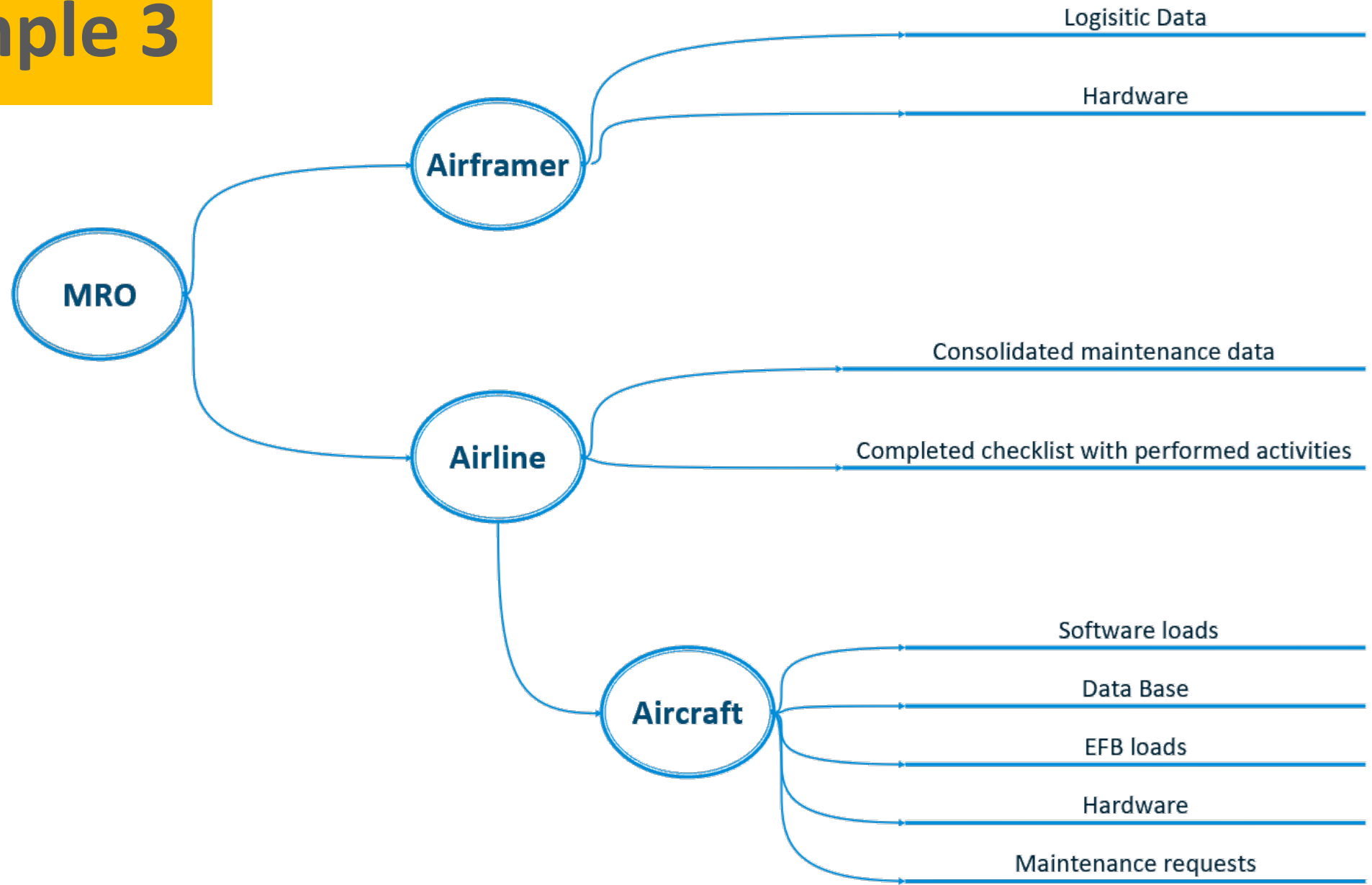
Design Organisation



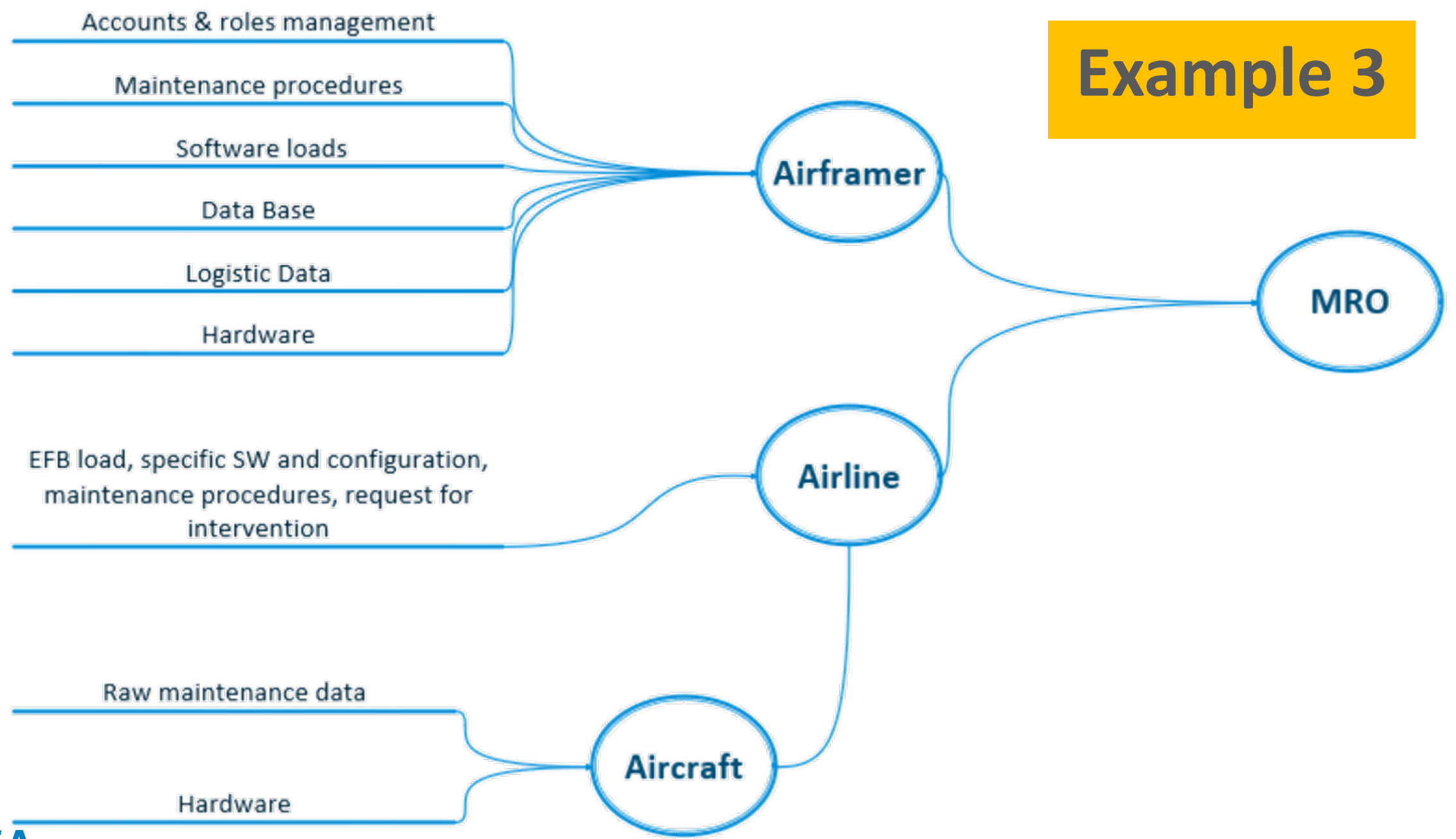
Aircraft Operator



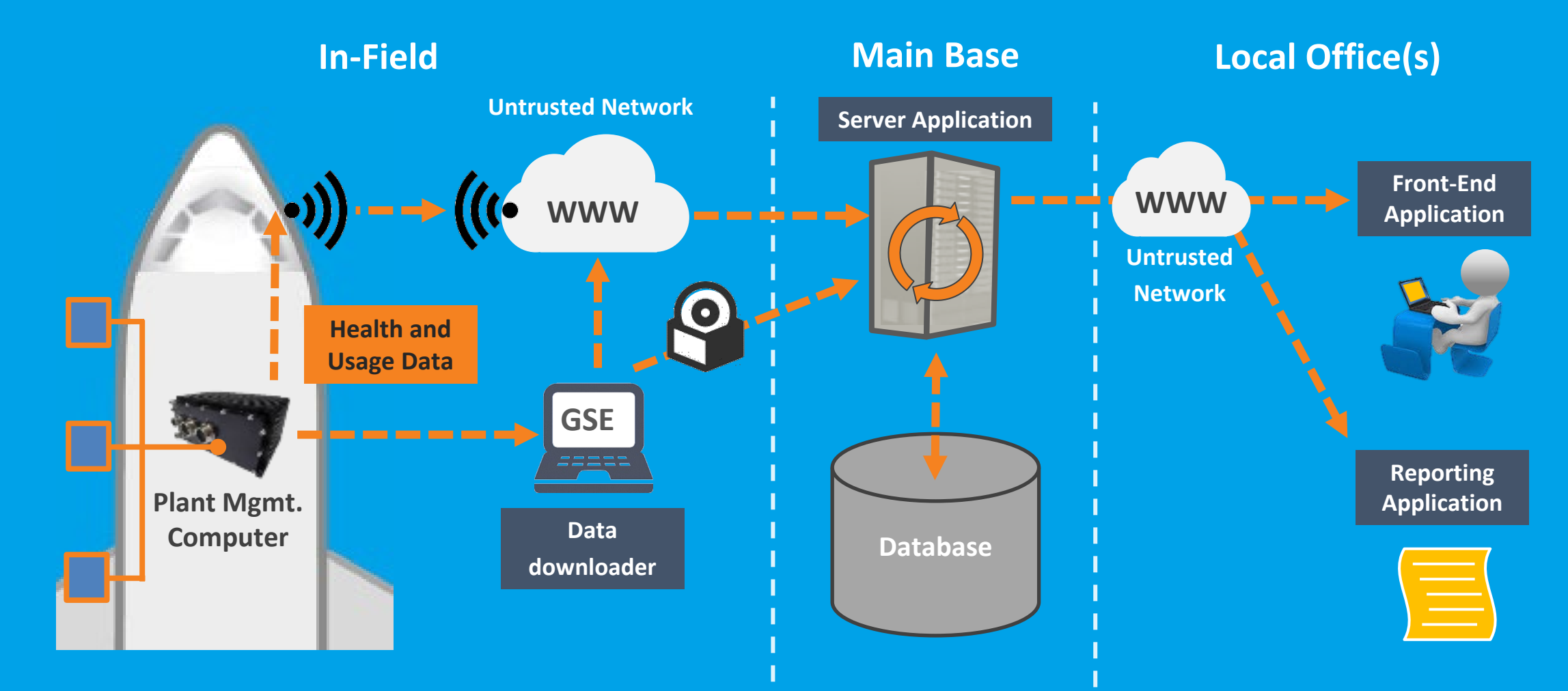
Example 3



Example 3



Raw maintenance data scenario



Interface Management and Risk Information Sharing



Part-IS Implementation Workshop

Outline

1. Introduction

- a. Part-IS at Airbus
- b. Risk Information Sharing Requirements

2. A two-fold Approach

- a. Interfaces with Customers
- b. Standardization Effort



The information and materials provided during the presentation are considered work in progress and there may be errors, omissions, or inaccuracies.



The presented approaches to Part-IS conformity are subject to change and should be considered in context by each organization.

Disclaimer

Part-IS at Airbus - Facts and Figures

5 Approved Organizations

- DOA
- POA
- MOA
- CAMO
- ATO

~100 Business Processes

- Directly impacted
(related to approved organizations)
- Indirectly impacted
(related to development)

Assets

- Potentially hundreds of digital assets
- ~ 500 GSE potentially relevant for Part-IS

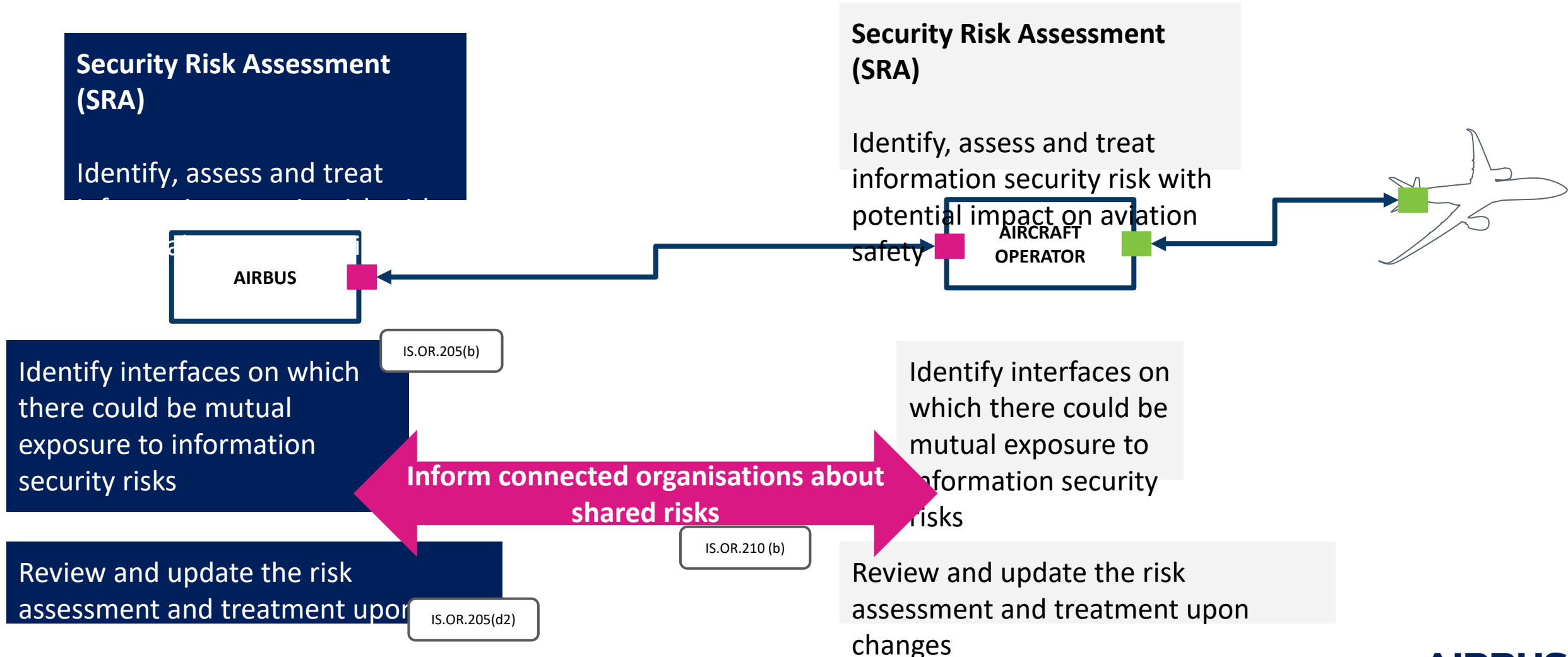
Impacted Populations

- Processes Owners
- Business Asset Owners
- Development Teams
- Security Teams
- ...

ISMS Network

- ~25 nominated ISMS Officers
- Potentially hundreds of ISMS representatives to be nominated
- Part of the ISMS Network common with the SMS

Risk Information Sharing Requirements



Risk Information Sharing Requirements

The product has been certified using specific assumptions impling operators' actions. These assumptions are also relevant for Part-IS

Security Risk Assessment (SRA)
Identify, assess and treat information security risk with potential impact on aviation safety

Security Risk Assessment (SRA)
Identify, assess and treat information security risk with potential impact on aviation safety



AIRBUS

AIRCRAFT OPERATOR

Identify interfaces on which there could be mutual exposure to information security risks

IS.OR.205(b)

Identify interfaces on which there could be mutual exposure to information security risks

The interface between the aircraft operator and the aircraft itself is not related to the previously mentioned requirements.

Inform connected organisations about shared risks

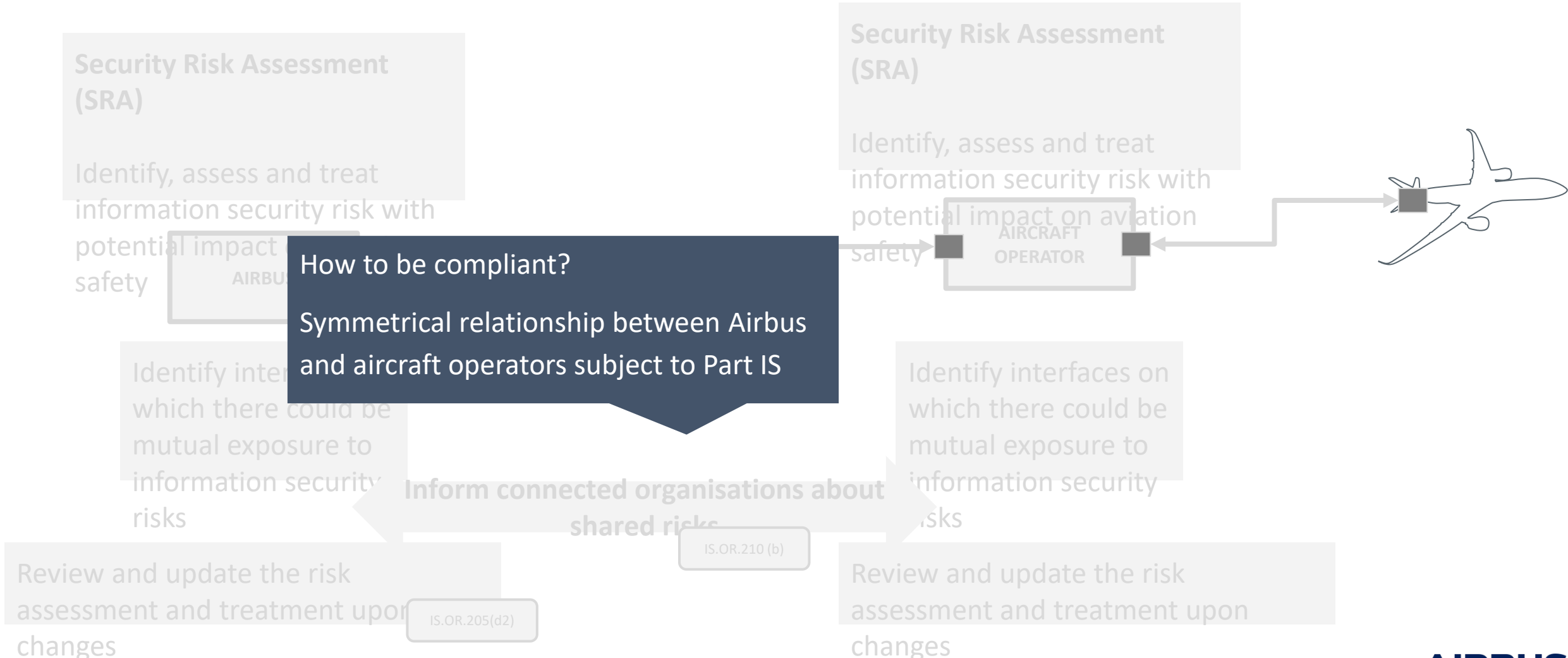
IS.OR.210 (b)

Review and update the risk assessment and treatment upon changes

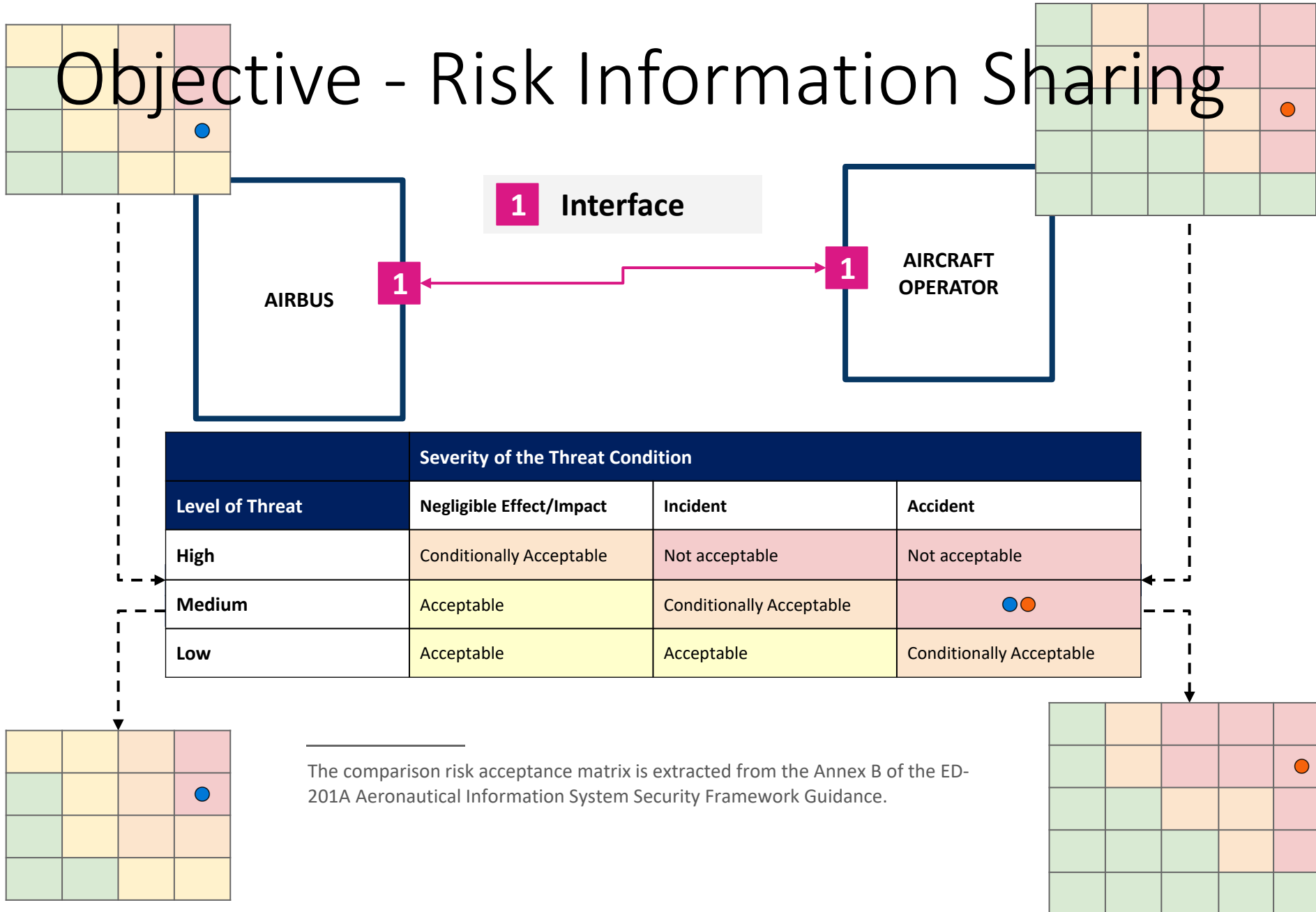
IS.OR.205(d2)

Review and update the risk assessment and treatment upon changes

Risk Information Sharing Requirements



Objective - Risk Information Sharing



The comparison risk acceptance matrix is extracted from the Annex B of the ED-201A Aeronautical Information System Security Framework Guidance.

A Two-fold Approach

EASA Part-IS Workshop - November 2024

A Two-fold Approach

Common considerations:

- Large number of interfaces between all organizations
- Interface commonality between organizations

Interfaces with Customers:

- Scope: Interfaces between aircraft operators and Airbus
- Issued from the ED-201A¹ and the AMC/GM²
- Bottom → Up

Standardization Effort:

- Scope: All types of interfaces (operators, suppliers, service providers, etc.)
- Based on Airbus & Dassault Aviation collaboration and the “likelihood of safety impact propagation”³
- Top → Down

¹ Aeronautical Information System Security Framework Guidance

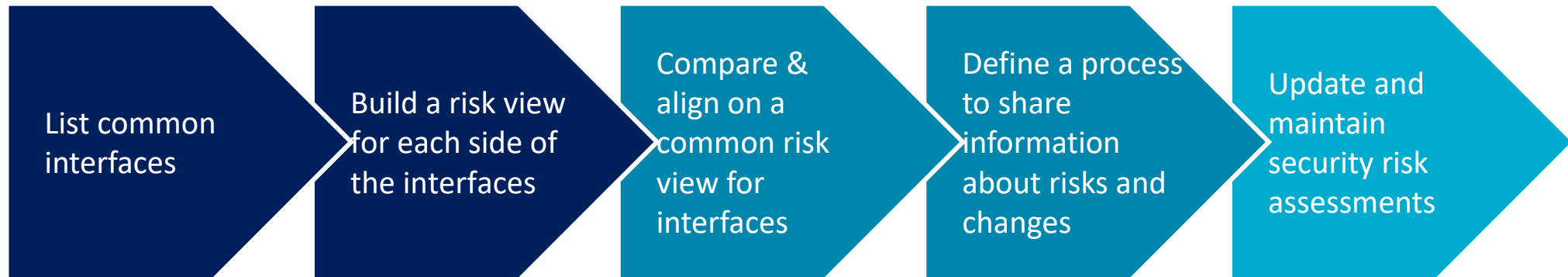
² Acceptable Means of Compliance and Guidance Material to Annex (Part-IS.D.OR) to Commission Delegated Regulation (EU) 2022/1645

³ ED/DO-ISMS Guidance for Aviation White paper: Identification and Classification guidance for Part-IS assets

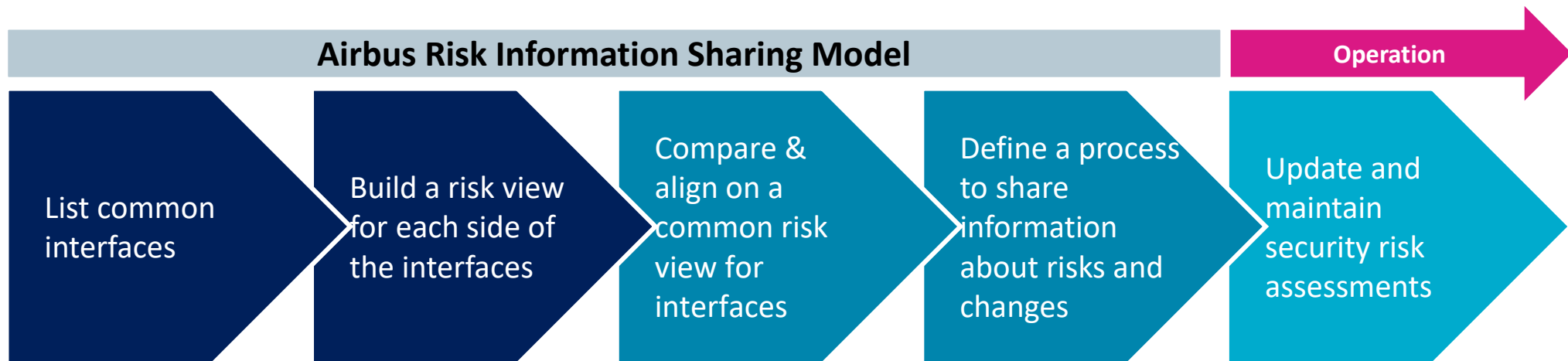
Interfaces with Customers

EASA Part-IS Workshop - November 2024

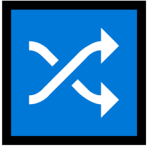
Approach



Approach



Risk Information Sharing Model



Represent relationships between security risk assessments and shared interfaces



Be able to represent the complex relationships between connected organizations



Enable collaboration and engage discussion



Perform real-world risk information sharing and prepare for day 1

List common interfaces

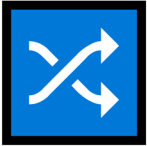
Build a risk view for each side of the interfaces

Compare & align on a common risk view for interfaces

Define a process to share information about risks and changes

Update and maintain security risk assessments

Risk Information Sharing Model



Represent relationships between security risk assessments and shared interfaces

“Compress security risk assessments”



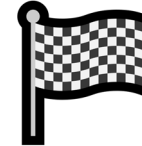
Be able to represent the complex relationships between connected organizations

Use a visual methods



Enable collaboration and engage discussion

Use generic interfaces and fictitious data



Perform real-world risk information sharing and prepare for day 1

Create report templates

List common interfaces

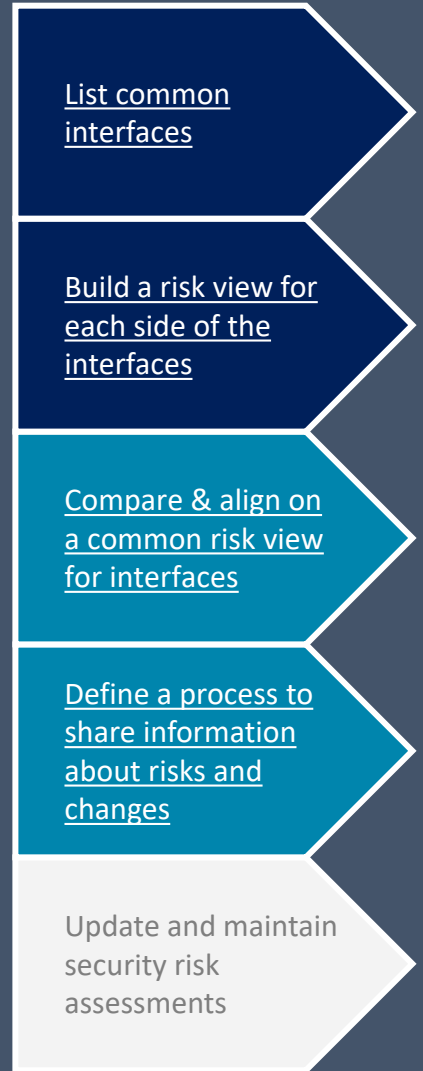
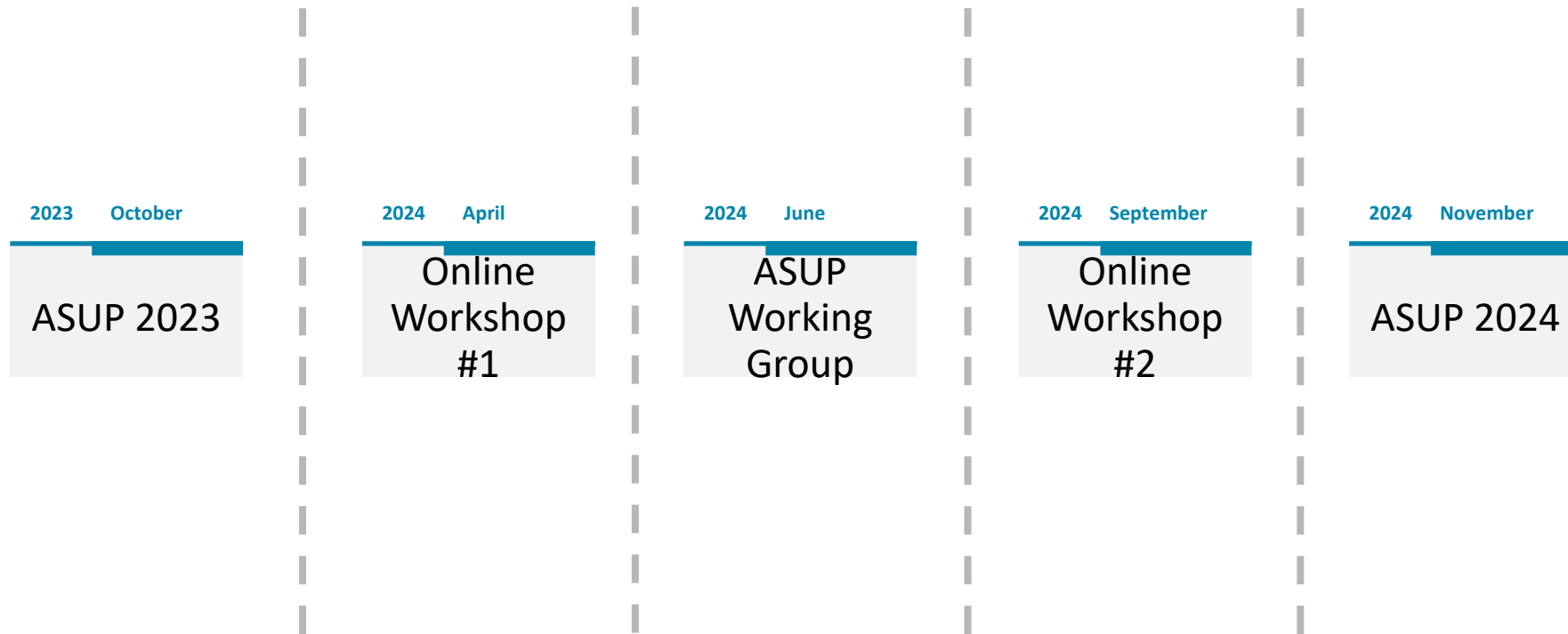
Build a risk view for each side of the interfaces

Compare & align on a common risk view for interfaces

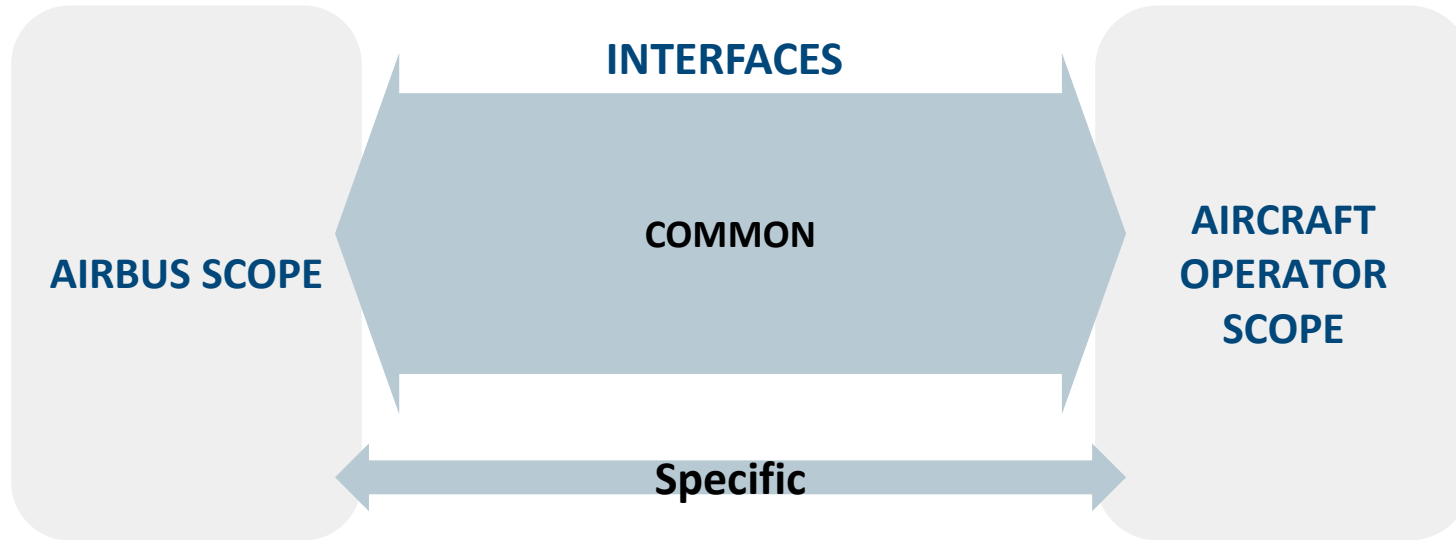
Define a process to share information about risks and changes

Update and maintain security risk assessments

Risk Information Sharing Model



Common Interfaces



List common interfaces

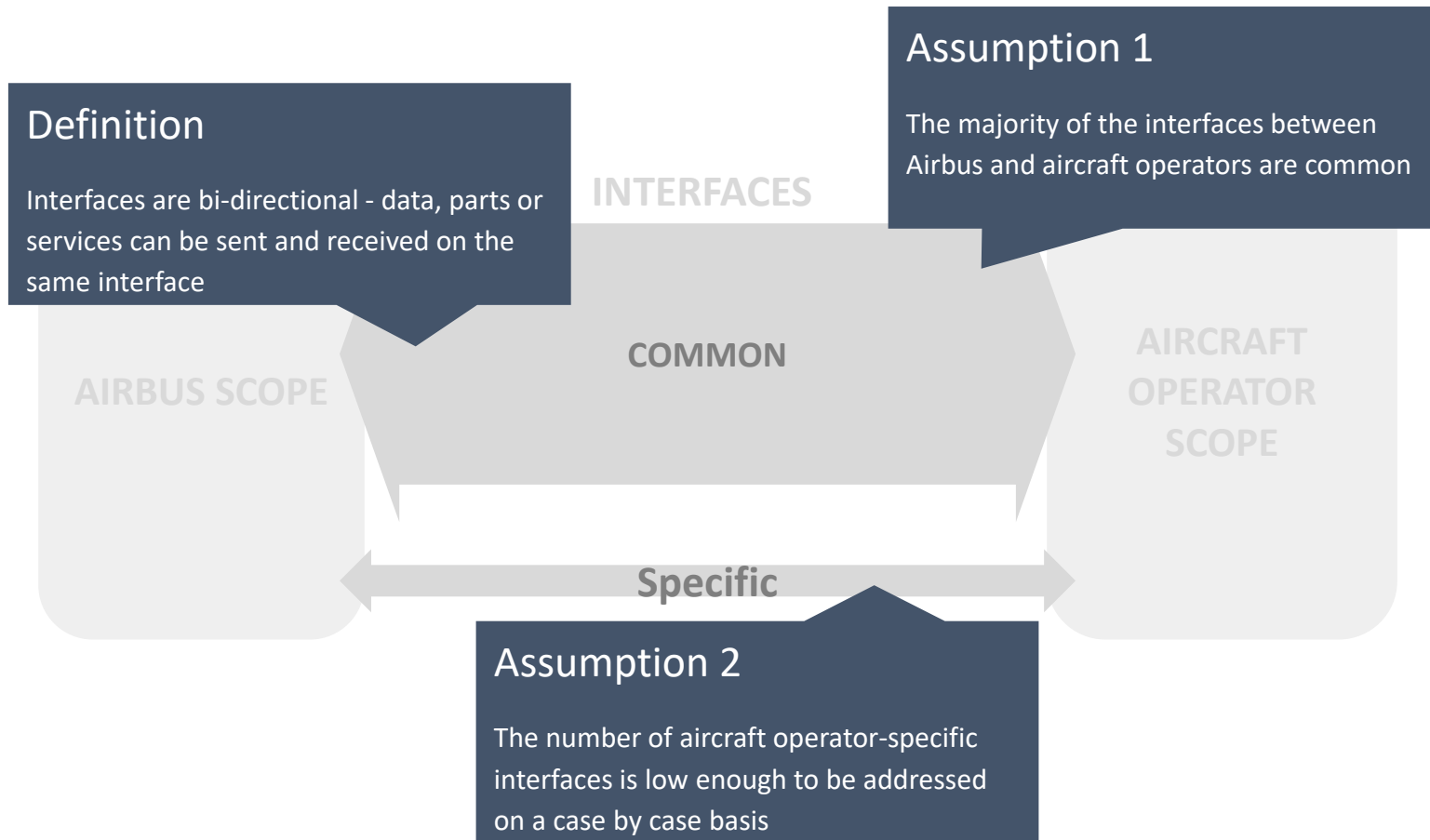
Build a risk view for each side of the interfaces

Compare & align on a common risk view for interfaces

Define a process to share information about risks and changes

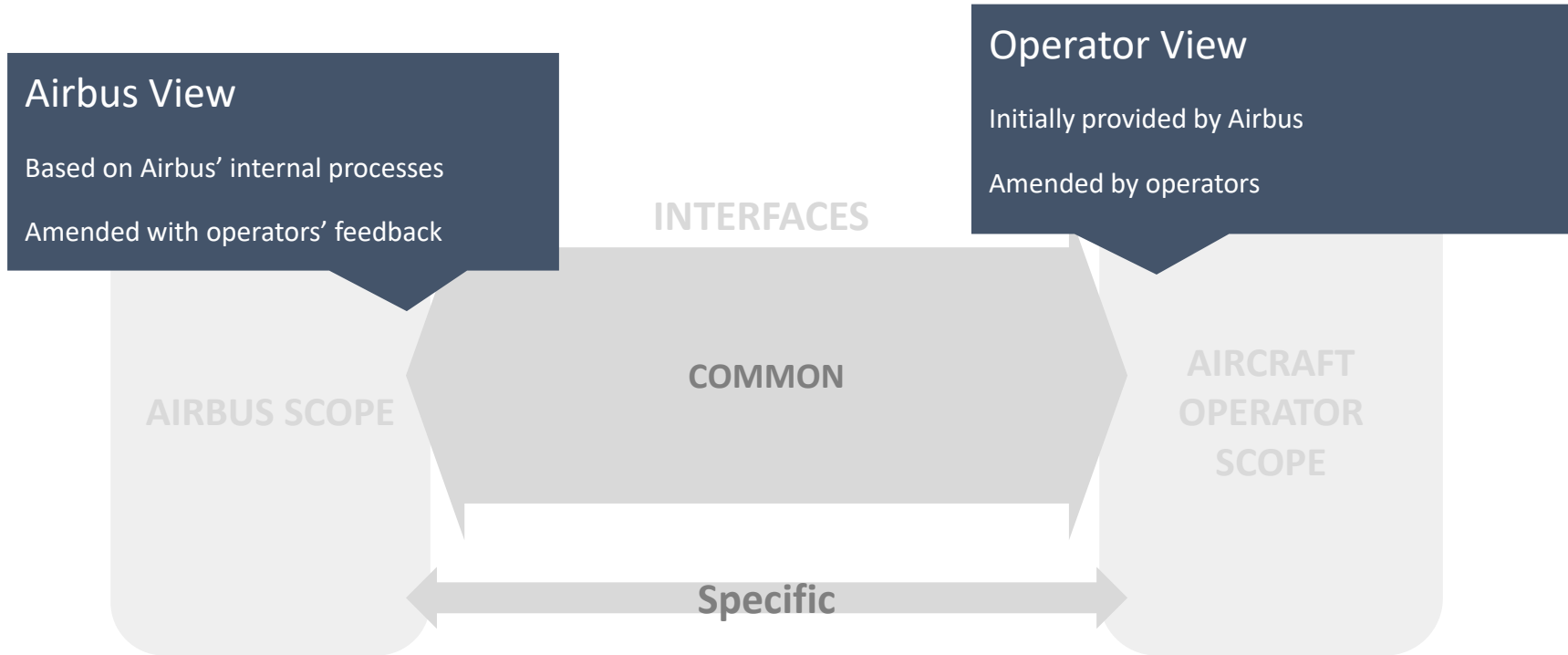
Update and maintain security risk assessments

Common Interfaces



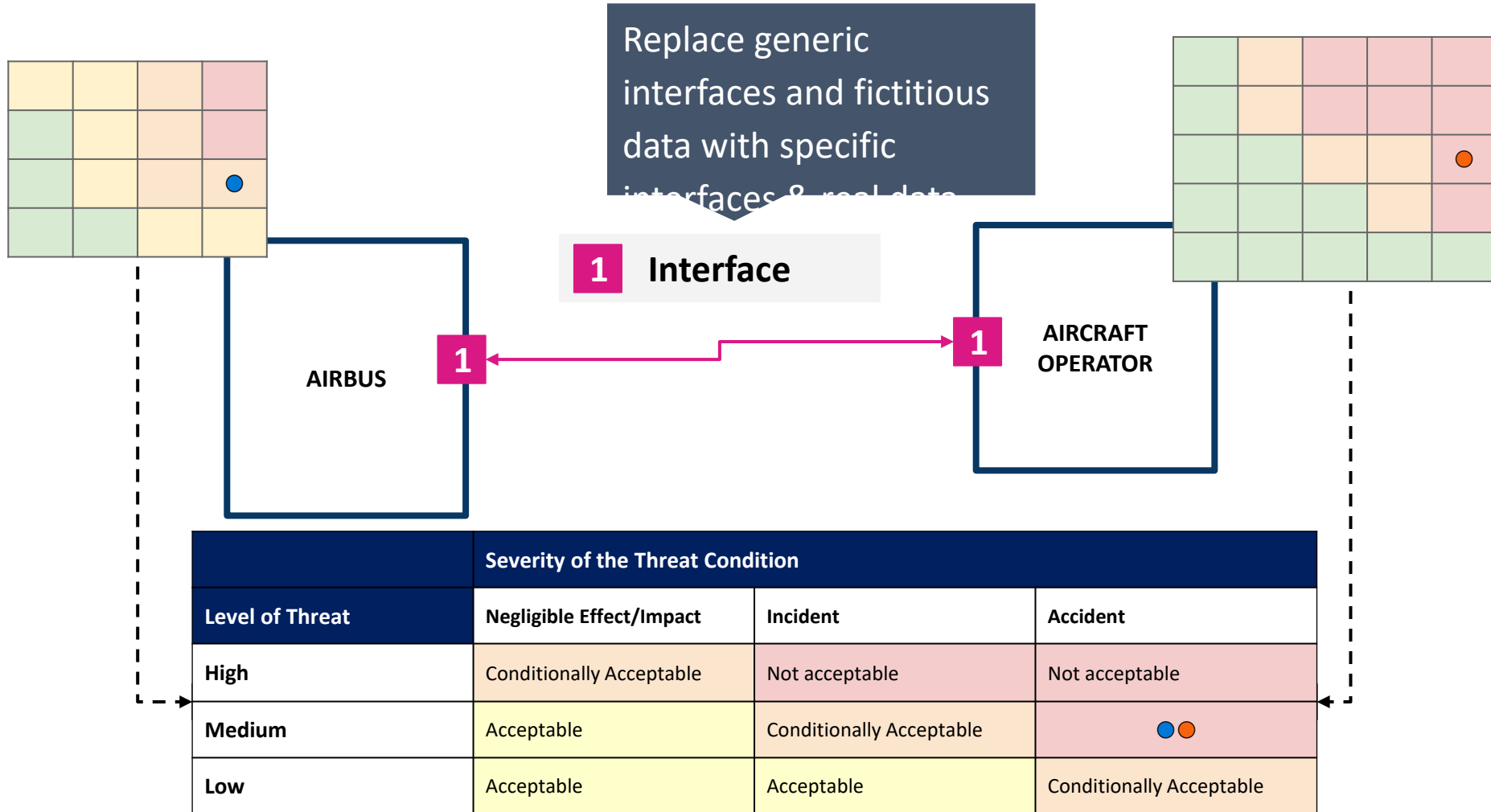
- List common interfaces
- Build a risk view for each side of the interfaces
- Compare & align on a common risk view for interfaces
- Define a process to share information about risks and changes
- Update and maintain security risk assessments

Interfaces and Risks



- List common interfaces
- Build a risk view for each side of the interfaces**
- Compare & align on a common risk view for interfaces
- Define a process to share information about risks and changes
- Update and maintain security risk assessments

Common View for Each Interface



- List common interfaces
- Build a risk view for each side of the interfaces
- Compare & align on a common risk view for interfaces**
- Define a process to share information about risks and changes
- Update and maintain security risk assessments

Process

- Put in place a specific risk information sharing template
- Extension of the Airbus Security Handbook documentation suite
- Ensure an yearly update
- Provide access to Aircraft Security Focal Points (ASFP)
- Put in place a specific Non-Disclosure Agreement (NDA)

List common interfaces

Build a risk view for each side of the interfaces

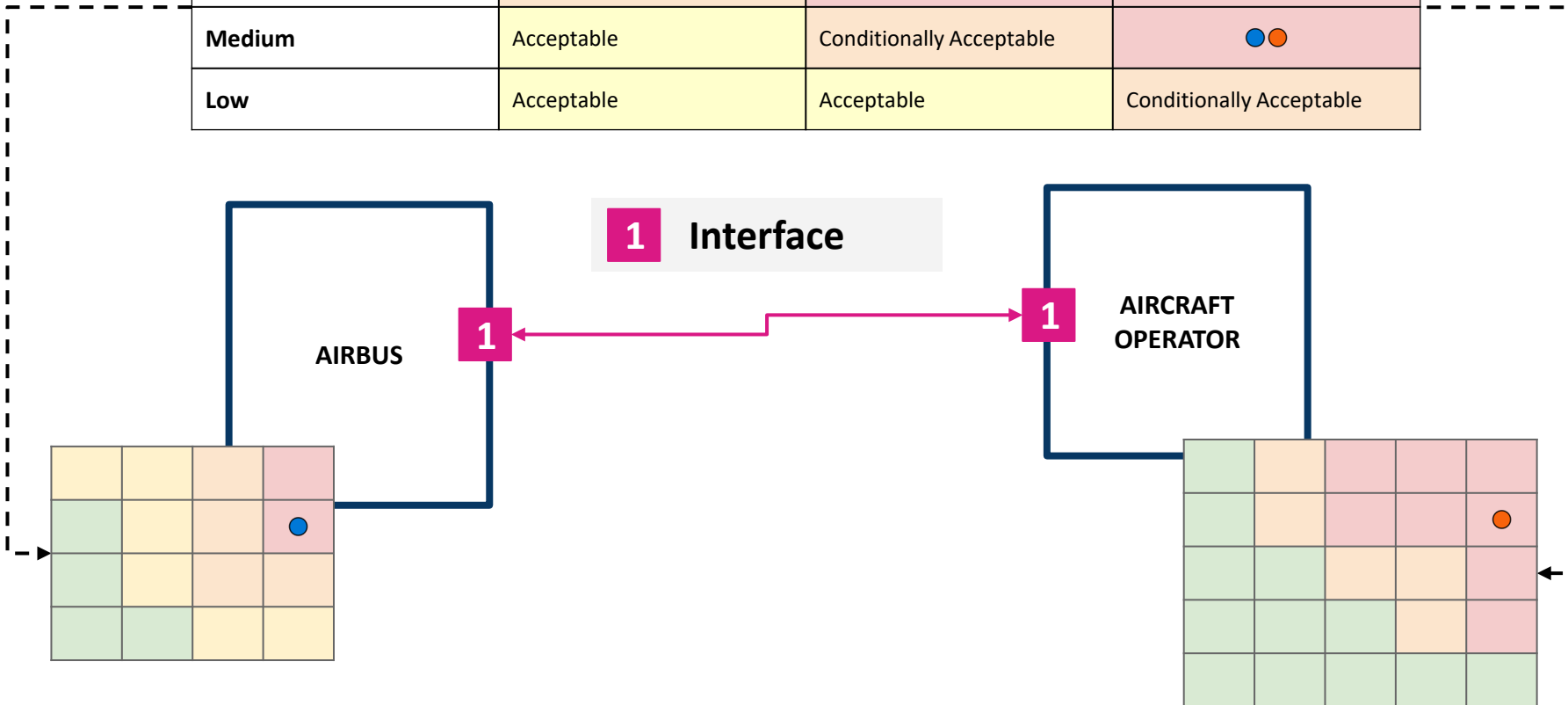
Compare & align on a common risk view for interfaces

Define a process to share information about risks and changes

Update and maintain security risk assessments

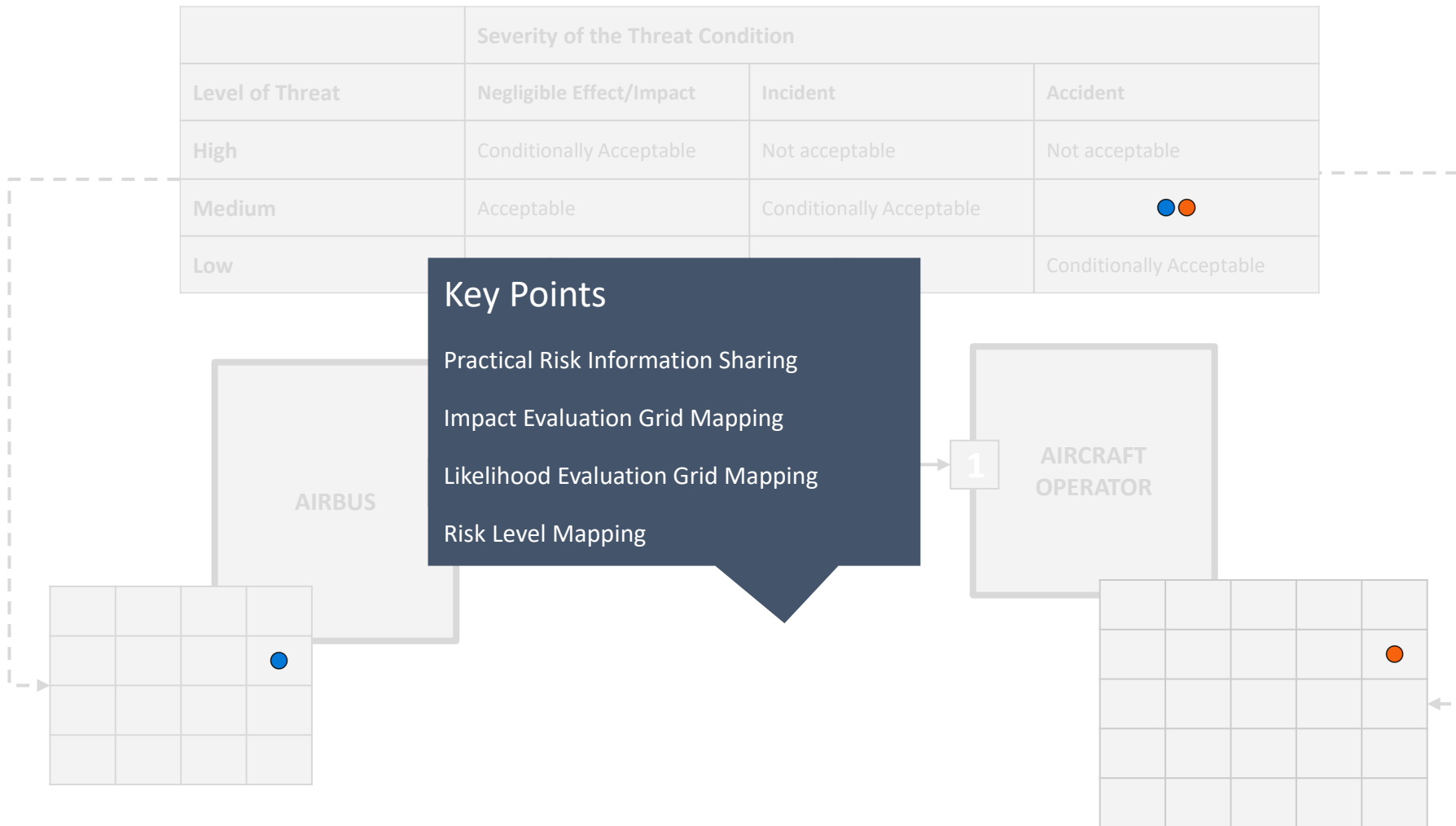
Update Security Risk Assessments

	Severity of the Threat Condition		
Level of Threat	Negligible Effect/Impact	Incident	Accident
High	Conditionally Acceptable	Not acceptable	Not acceptable
Medium	Acceptable	Conditionally Acceptable	●●
Low	Acceptable	Acceptable	Conditionally Acceptable



- List common interfaces
- Build a risk view for each side of the interfaces
- Compare & align on a common risk view for interfaces
- Define a process to share information about risks and changes
- Update and maintain security risk assessments**

Update Security Risk Assessments

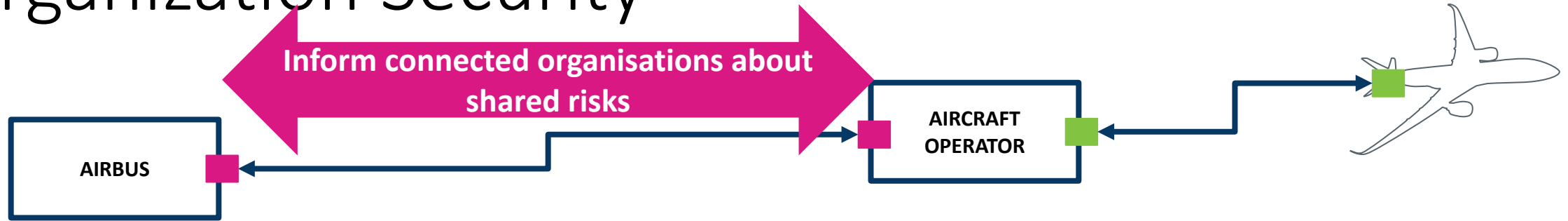


- List common interfaces
- Build a risk view for each side of the interfaces
- Compare & align on a common risk view for interfaces
- Define a process to share information about risks and changes
- Update and maintain security risk assessments

Challenges & Issues

- Different understanding of what an interface is what is considered a connected organization
- Existence of trust assumptions
- Different maturity levels between operators
- Use different security risk assessment methods and different ways to represent risks
- Difficulty to see beyond the risk information sharing phase - what happens in case of a non-alignment about a given risk
- Difficulty to predict the impact on current and future contracts
- Tendency to mix up product security and organization security

Tendency to Mix up Product Security and Organization Security



Aircraft Certification Security Risk Assessment

Instructions for Continued Airworthiness (ICA)

Assumptions¹ to be verified by the operator (enable aircraft SRA validity)

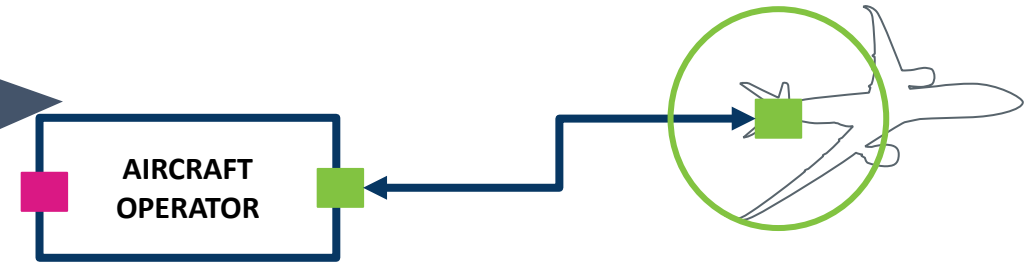
Security Handbook

Operator Part-IS Security Risk Assessment

¹ Example: "All aircraft physical zones except the cabin area are considered as trustworthy" ("A350 XWB Security Handbook", 2023, p. 32) - the aircraft operator has to ensure controlled access to all trusted zones of the aircraft.

Operator Security Risk Assessment and Aircraft Interfaces

When the aircraft operator identifies an attack path in its Part-IS assessment involving an interface with the aircraft, it is the aircraft operators' responsibility to assess the safety impact



Derived from GM1 IS.OR.205(c):

Where the aircraft certification¹ addresses product information security, the aircraft operator may take benefit of the associated ICA provided the assumptions are verified

¹ Aircraft types or modifications subject to EASA special conditions / CS25 1319.

Standardization Effort

EASA Part-IS Workshop - November 2024

Asset Criticality

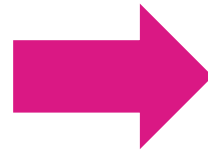
Potential Maximum Safety Impact	Group 1 Assets with immediate, short-term or hidden safety impact	Group 2 Assets with delayed detectable safety effect	Group 3 Assets with contribution to safety scenarios	Group 4 Assets with contribution to security scenarios
A/C unsafe condition (hazardous or catastrophic)	Critical	Essential	Essential	Routine
Reduction of safety margins (minor or major)	Essential	Routine	Routine	Routine

Ref. "An Identification and Classification guidance method for Part-IS assets", 19th July 2024, Dassault and Airbus, for EUROCAE WG-72 / RTCA SC-216 committees (ED-ISMS)

Classification of Organizations in Interface

Interface Classification:

- Asset Type (parts, software, services...)
- Organization Role (supplier, customer...)
- Link Type (IT connection, equipment or part delivery...)



Interface Criticality Depending on the Asset Type:

Potential Maximum Safety Impact	Group 1	Group 2	Group 3	Group 4
A/C unsafe condition	Critical	Essential	Essential	Routine
Reduction of safety margins	Essential	Routine	Routine	Routine



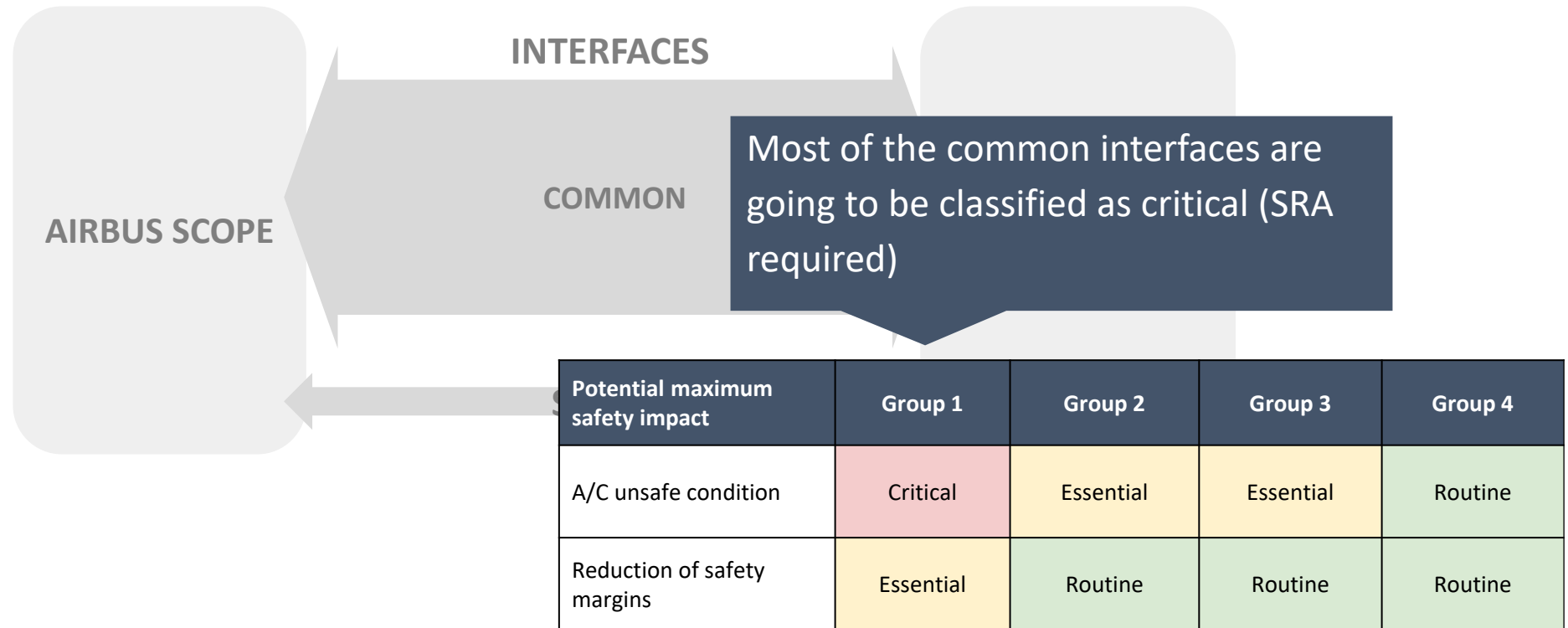
Thoroughness of the Security Assessment: (supplier role in interface)

Cyber Maturity framework

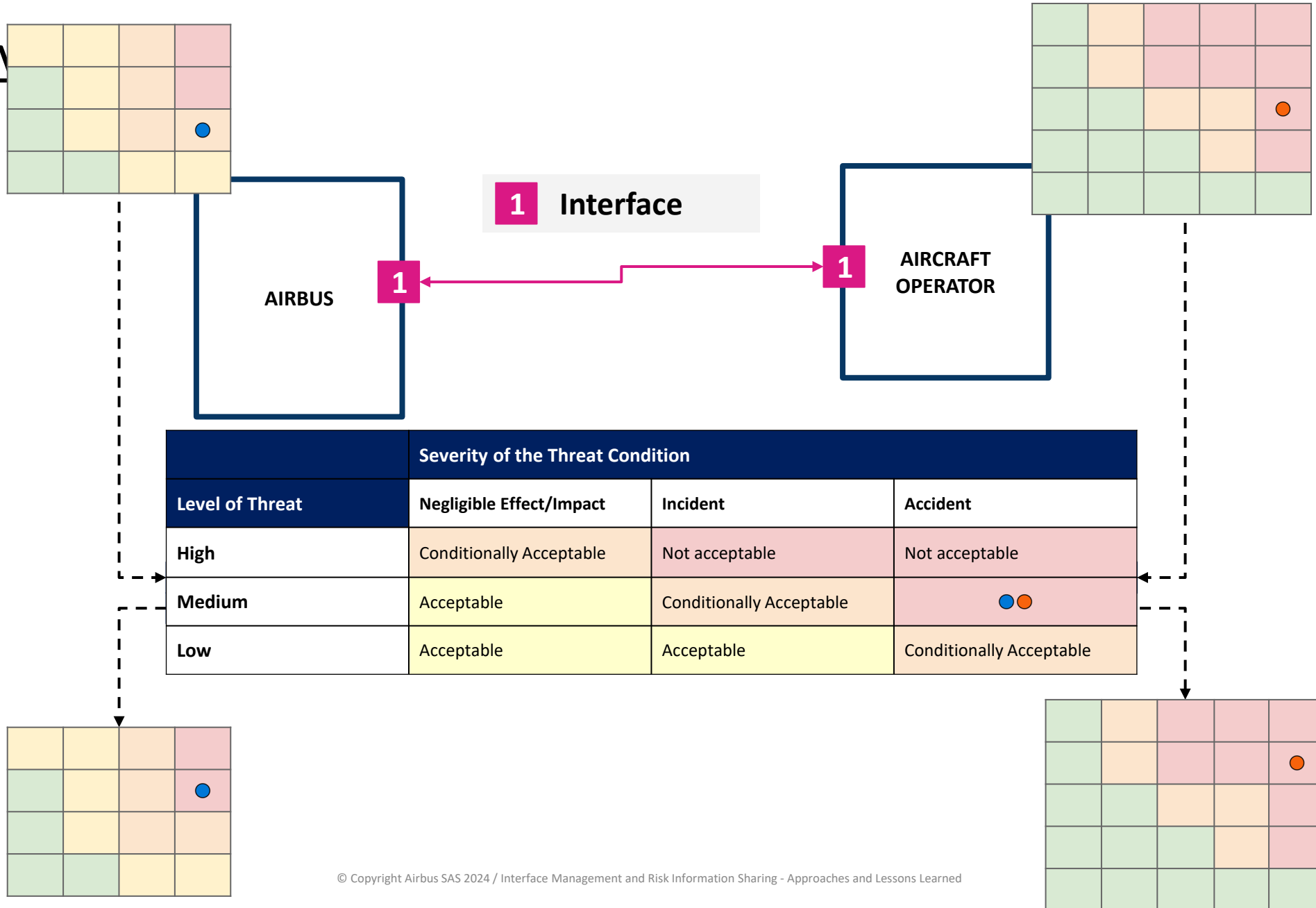
Interface Criticality	Security Activities - IT link
Critical	Detailed Security Risk Assessment Cyber Maturity "level 3" for supplier organization
Essential	Cyber Maturity "level 2" for supplier organization
Routine	Cyber Maturity "level 1" for supplier organization

Ref. "Identification and Classification guidance for Part-IS organizations in interface, 29th August 2024", Dassault and Airbus, for EUROCAE WG-72 / RTCA SC-216 committees (ED-ISMS)

Interplay



Q & A



© Copyright Airbus SAS 2024 / Interface Management for the EASA Part-IS - Approaches and Lessons Learned

This document and all information contained herein is the sole property of Airbus. No intellectual property rights are granted by the delivery of this document or the disclosure of its content. This document shall not be reproduced or disclosed to a third party without the expressed written consent of Airbus. This document and its content shall not be used for any purpose other than that for which it is supplied. Airbus, its logo and product names are registered trademarks.

External Reporting under Part-IS



Part-IS Implementation Workshop



Gerry Ngu is a Senior Expert for Cybersecurity in Aviation, with over 20 years of experience at EASA in various roles, including in the Safety and Certification domain.

Over the past 8 years, Gerry has played a pivotal role in the establishment and operation of the European Cybersecurity Centre for Aviation (ECCSA), while also building and leading the Cyber Threat Intelligence capabilities within EASA.



Andris Sermulins is a Safety Data Manager at EASA, and also Co-chair of the Network of Analysts Data Quality and Taxonomy Working Group.

Andris has more than 10 years of experience in Safety Data Management, as well as extensive experience in flight operations and flight support.

Mandatory reporting

IS.OR.230 Information security external reporting scheme

(a) The organisation shall implement an **information security reporting system** that meets the requirements laid down in Regulation (EU) No 376/2014 and its delegated and implementing acts if such Regulation is applicable to the organisation.

(b) Without prejudice to point (a), the organisation shall ensure that any information security incident or vulnerability, which may represent a **significant risk** to aviation safety, is reported to their competent authority. In addition:

(1) when such an incident or vulnerability **affects an aircraft or associated system or component**, the organisation shall **also report it to the design approval holder**;

(2) when such an incident or vulnerability **affects a system or constituent used by the organisation**, the organisation shall **report it to the organisation responsible for the design of the system or constituent**.

[omitted]

PART-IS ANNEX I

Authority Requirements (AR)

IS.AR.200
ISMS

External Reporting

Organisations
subject to its
oversight &
information
received through
IS.I.OR.230



PART-IS ANNEX II

Organisations Requirements (OR)

IS.OR.215
Internal Reporting

Internal Reporting

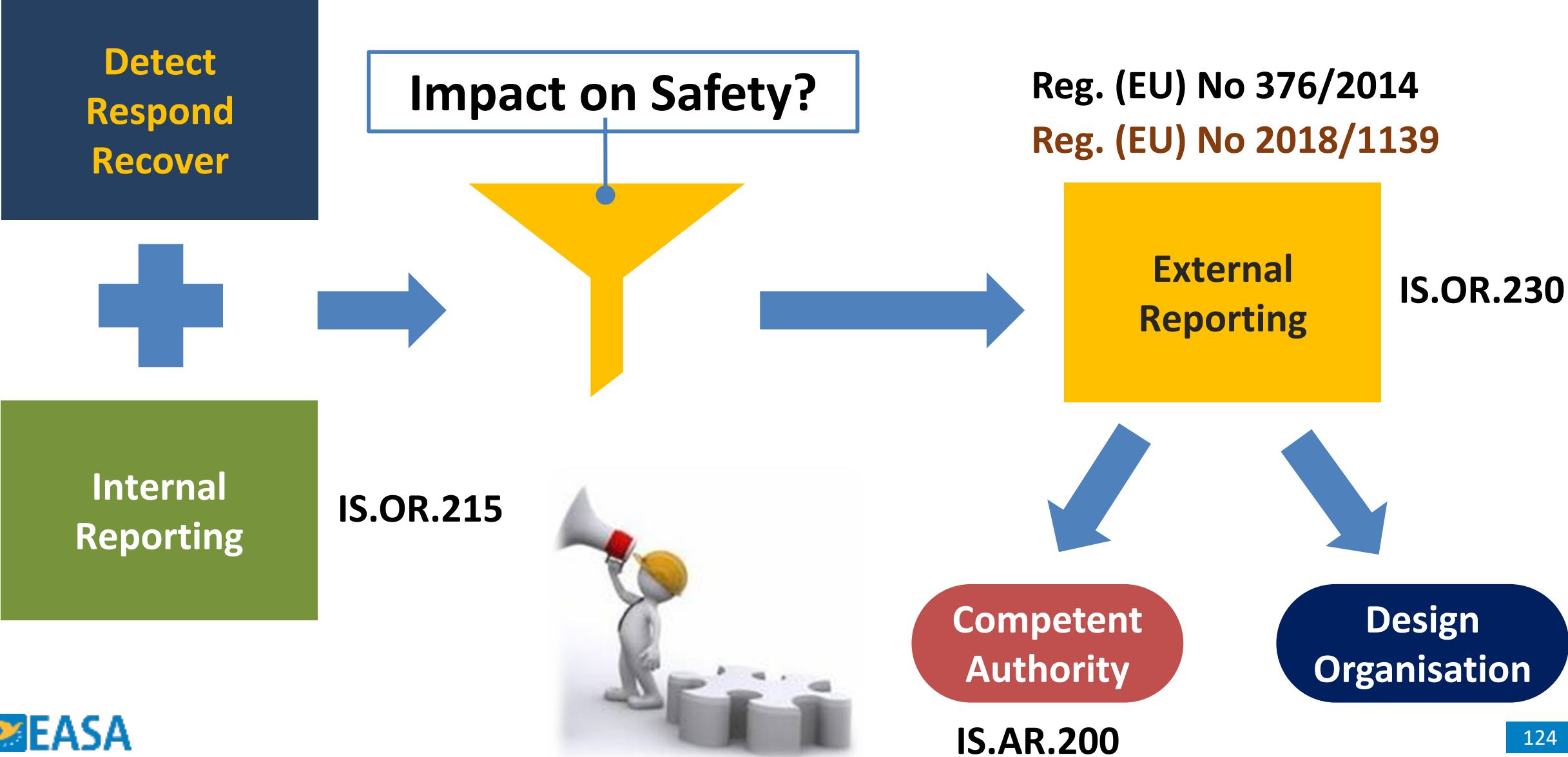
Cyber incidents
&
Vulnerabilities
with a potential
**impact on aviation
safety**

IS.OR.230
External Reporting

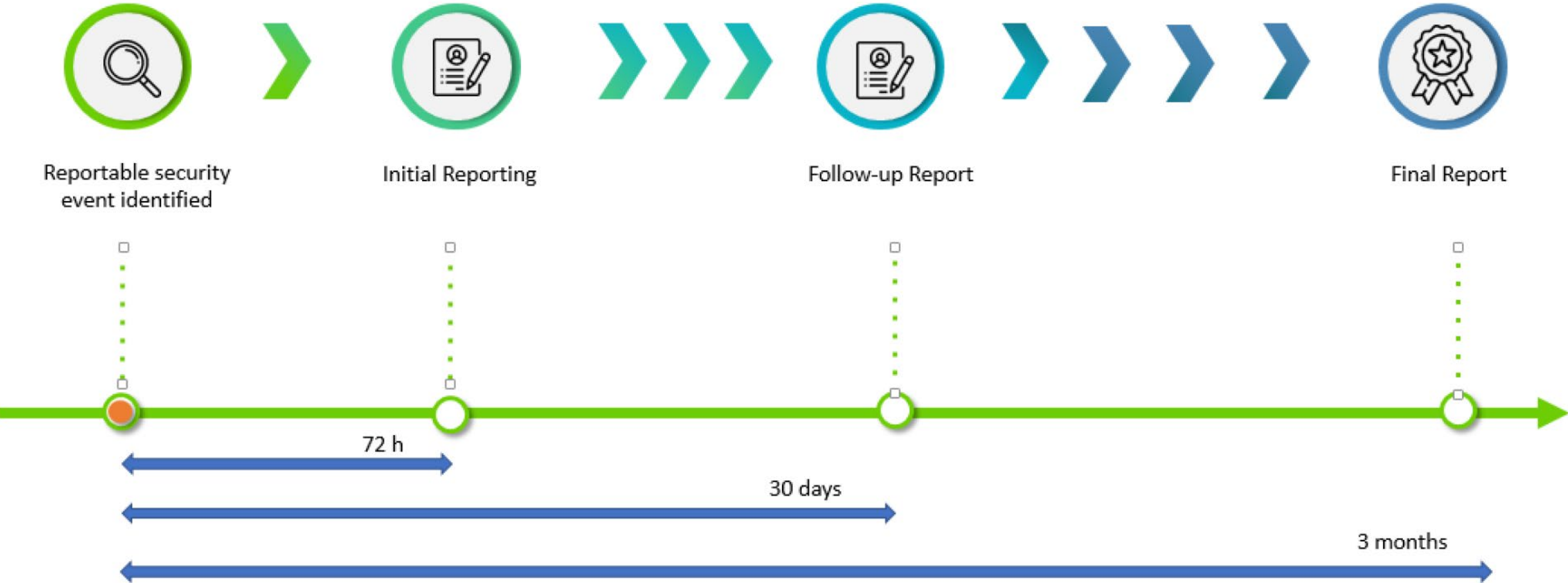
External Reporting

Reg (EU) 376/2014
Reg (EU) 2018/1139
Report to:
- Competent Authority
- Design Approval Holder
- Design of system/
constituent
- Not exceeding 72 h

PART-IS Reporting aspects overview

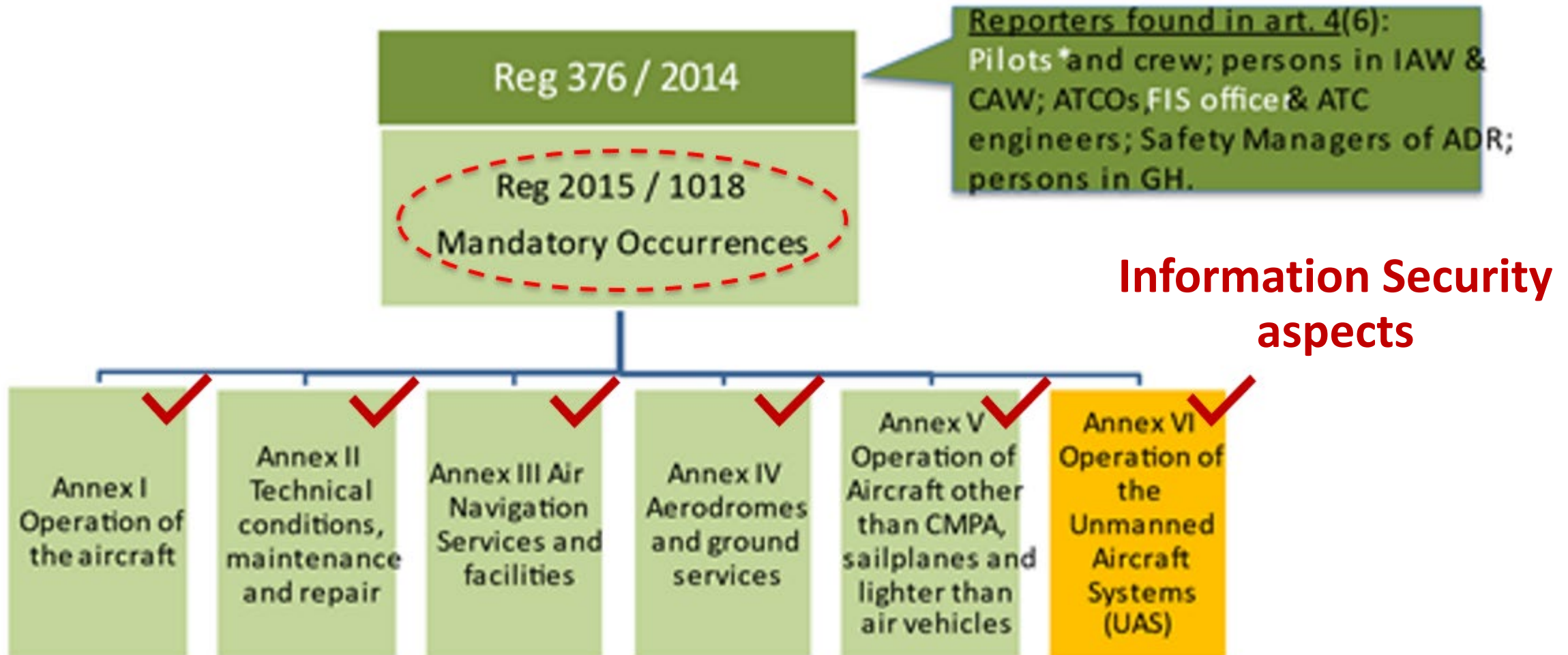


ED-206 6.4.2 Reporting timeline example

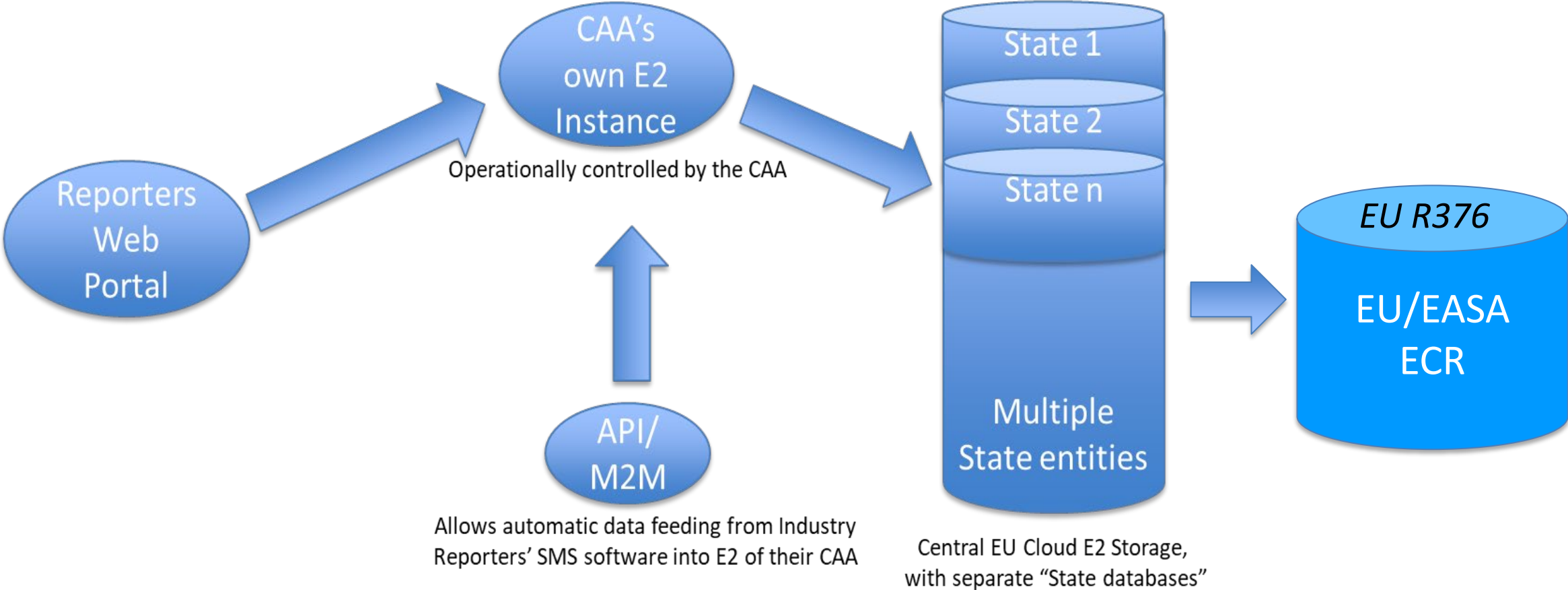


Mandatory occurrence reporting (Q4-2025)

Discuss future update EC Reg 376/2014 – 2015/1018 (annexes)

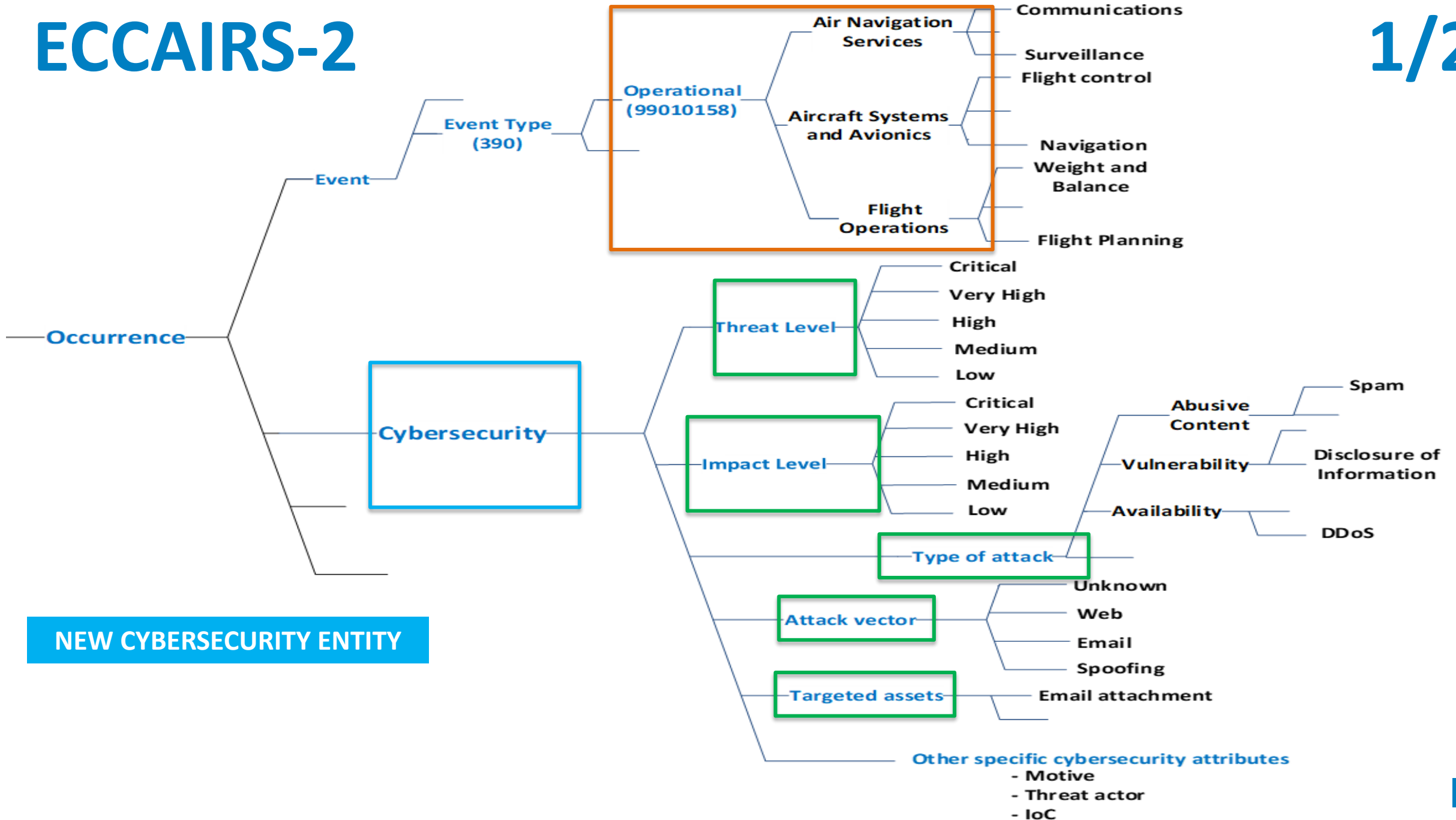


ECCAIRS2 enhanced scope for EU/EASA MS



ECCAIRS-2

1/2



Implementation in ECCAIRS2

2/2

Discussions: EASA/ NoCA (WG1)/ NoA (DQT-WG)

New entities to consider: *Examples in brackets*

- Source of detection (e.g. Employee report)
- Detection method (Mail Security Gateway)
- Type of incident (Phishing)
- Targeted assets (Employee email accounts)
- Attack vector (Email attachment)
- Indicator of Compromise (IoC) (Malicious email attachment (SHA256 hash: xxx123...))
- Vulnerabilities exploited (xxx/none)
- Threat actor (External actor/unknown)
- Motive (Credential theft)

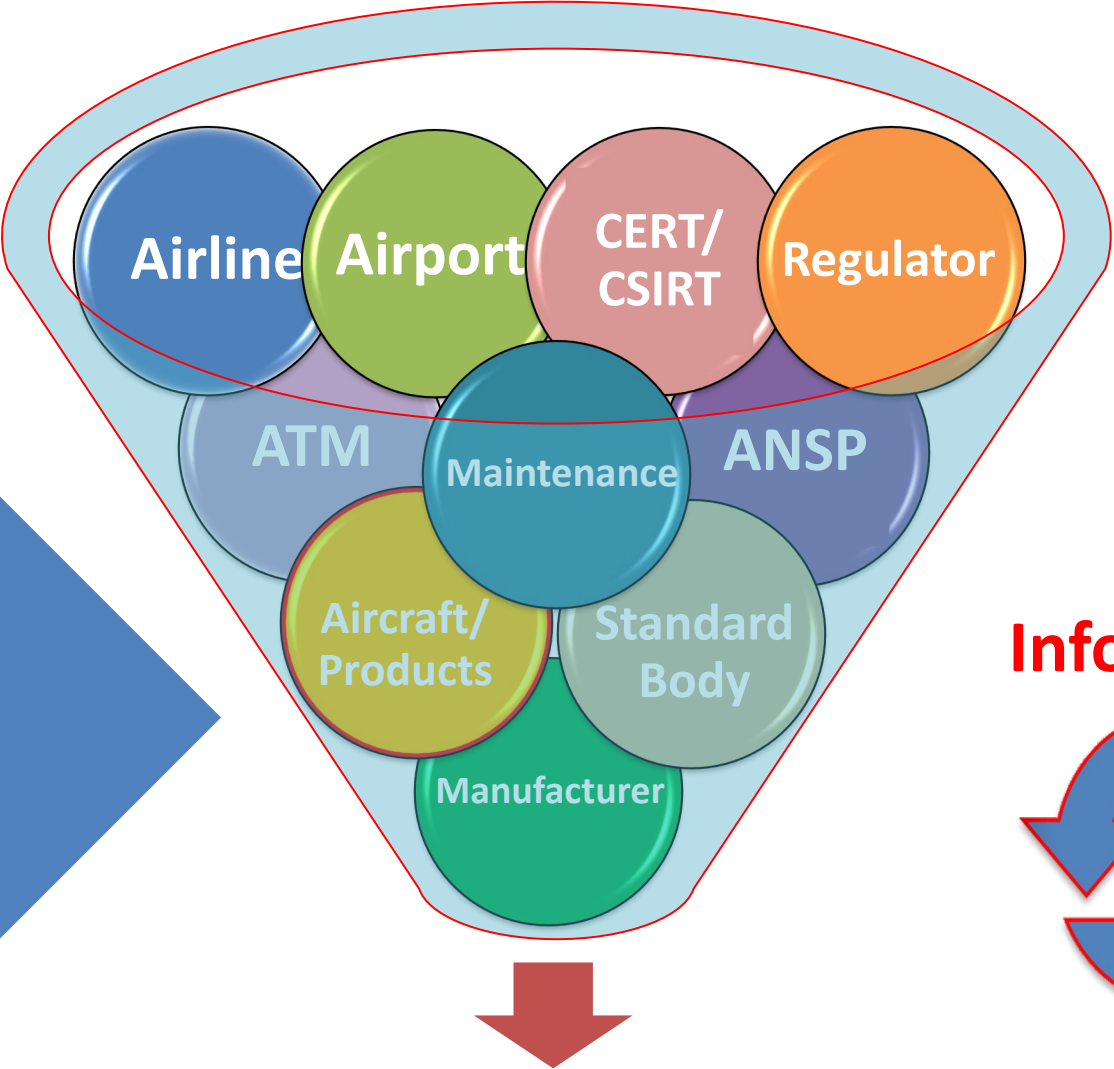
Threat Vectors Taxonomy

Threat Vector	Description	Example
Unknown	Cause of attack is unidentified.	This option is acceptable if cause (vector) is unknown upon initial report. The threat vector may be updated in a follow-up report.
Attrition	An attack that employs brute force methods to compromise, degrade, or destroy systems, networks, or services.	Denial of Service intended to impair or deny access to an application; a brute force attack against an authentication mechanism, such as passwords or digital signatures.
Web	An attack executed from a website or web-based application.	Cross-site scripting attack used to steal credentials, or a redirect to a site that exploits a browser vulnerability and installs malware.
Email	An attack executed via an email message or attachment.	Exploit code disguised as an attached document, or a link to a malicious website in the body of an email message.
External/Removable Media	An attack executed from removable media or a peripheral device.	Malicious code spreading onto a system from an infected USB flash drive.
Impersonation/Spoofing	An attack involving replacement of legitimate content/services with a malicious substitute	Spoofing, man in the middle attacks, rogue wireless access points, and SQL injection attacks all involve impersonation.
Improper Usage	Any incident resulting from violation of an organization's acceptable usage policies by an authorized user, excluding the above categories.	User installs file-sharing software, leading to the loss of sensitive data; or a user performs illegal activities on a system.
Loss or Theft of Equipment	The loss or theft of a computing device or media used by the organization.	A misplaced laptop or mobile device.
Other	An attack does not fit into any other vector	

Goal information sharing



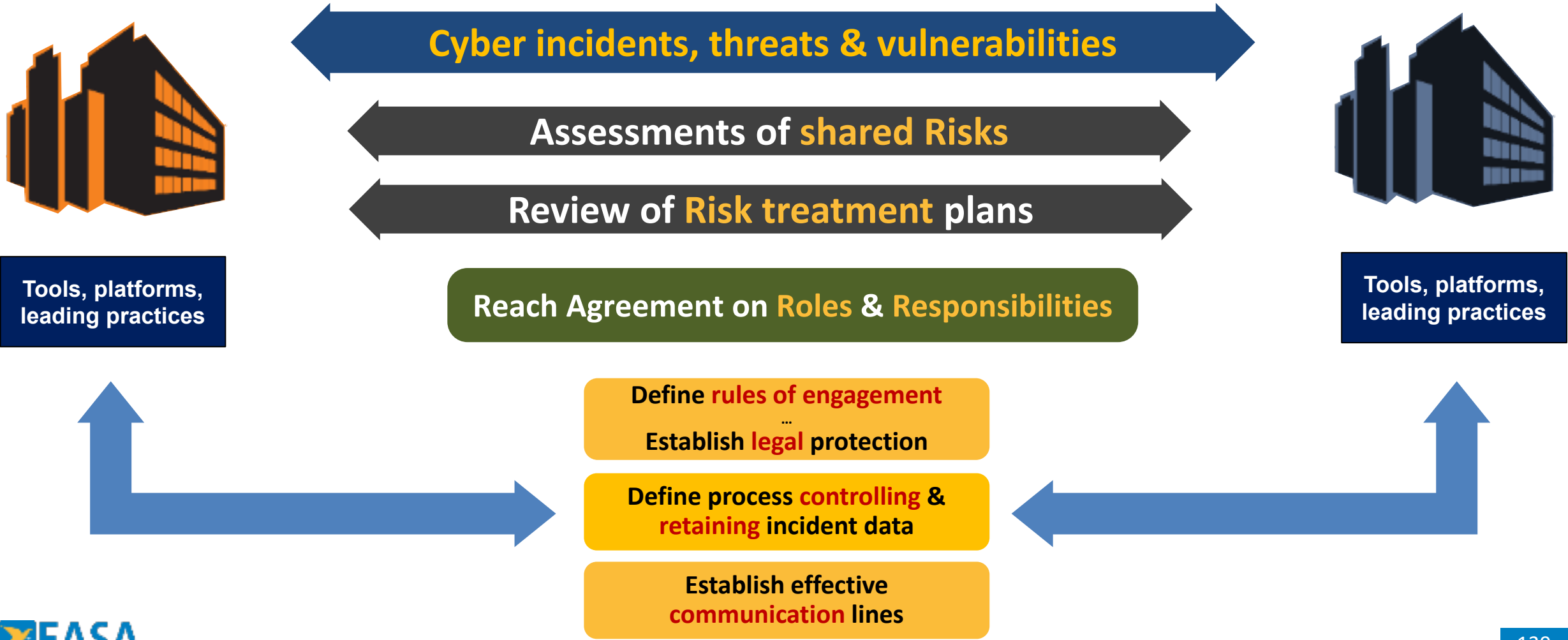
The cyber threat landscape is constantly **shifting** in the aviation sector...
It is important to **share** in a **timely** & **rapid** manner
cybersecurity related information



CTI & Info Sharing



Sharing information between organisations



ISO/IEC 27000 in relation to Part-IS



Part-IS Implementation Workshop

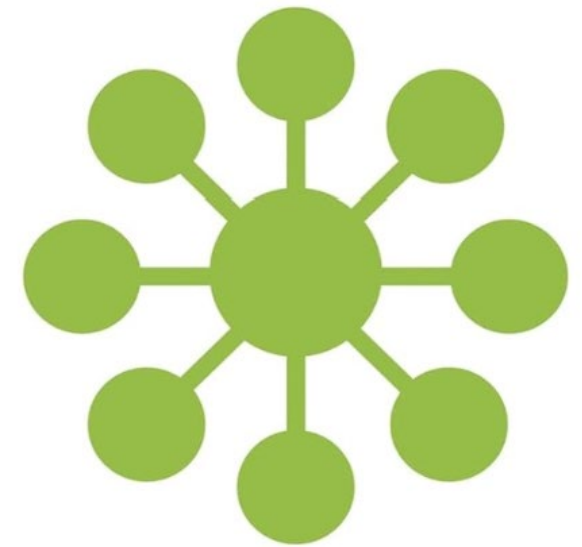


Jean-Paul Moreaux has been a key figure in cybersecurity since the mid-90s, joining EASA in 2015 as Principal in cybersecurity in aviation after 27 years at Airbus, where he worked on avionics, ARINC protocols, and cybersecurity standards.

He has chaired EUROCAE's WG-72 for Aviation Cybersecurity and has been pivotal in ICAO and European cybersecurity regulations, including the recent Part-IS.

How Everything Is Connected to
Everything Else and What It Means for
Business, Science, and Everyday Life

Linked



Introduction

Some Expectation Management

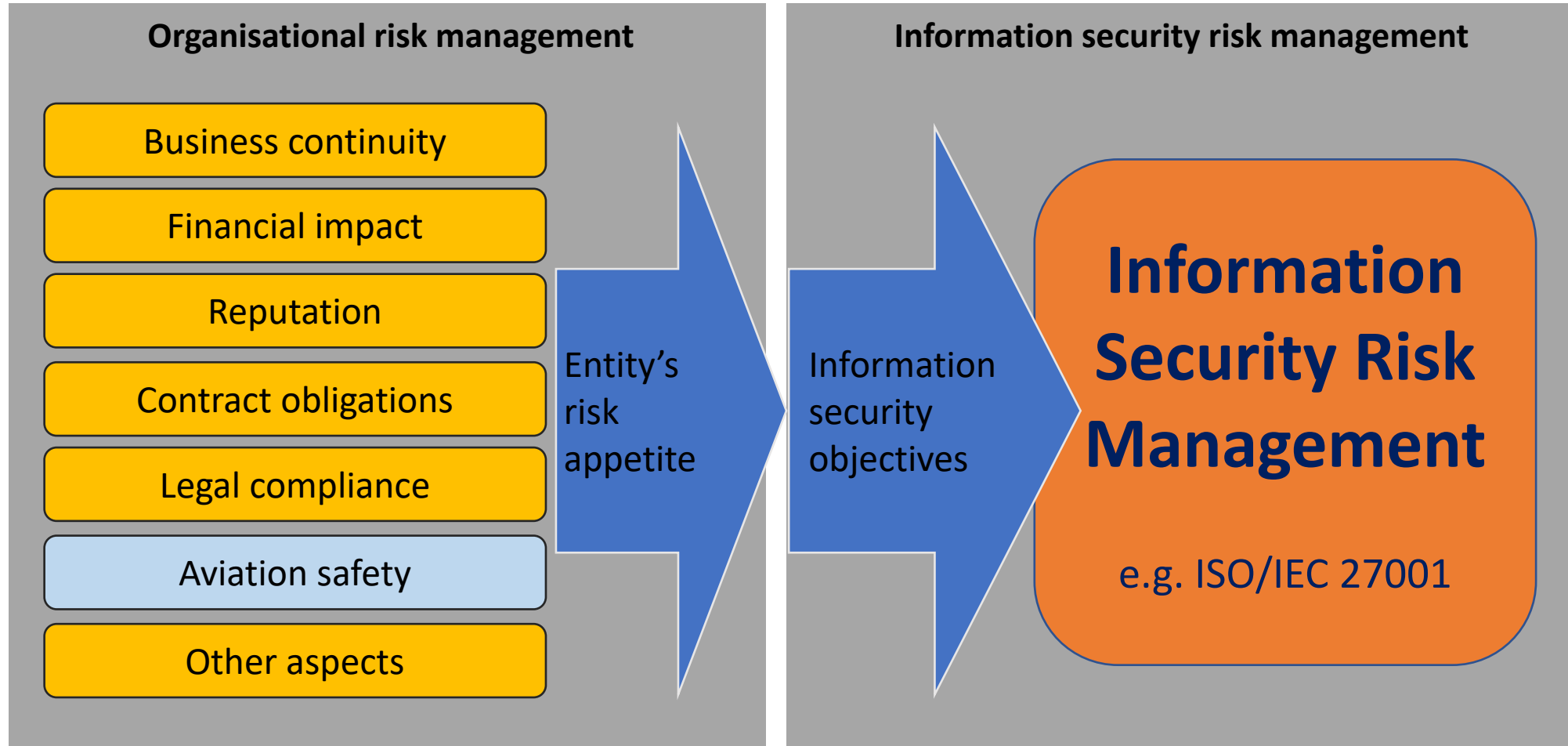
→ I do not plan to interfere with other speakers by talking about

- ISO 27001 Requirements and their relationship to Part-IS
- Details of Part-IS and the respective applicability

→ What should not be underestimated, though, is

- The width of organisational risks driving Information Security Objectives
- The notion of a System within a System-of-Systems
- The complexity of all interacting organisational Risk Assessments

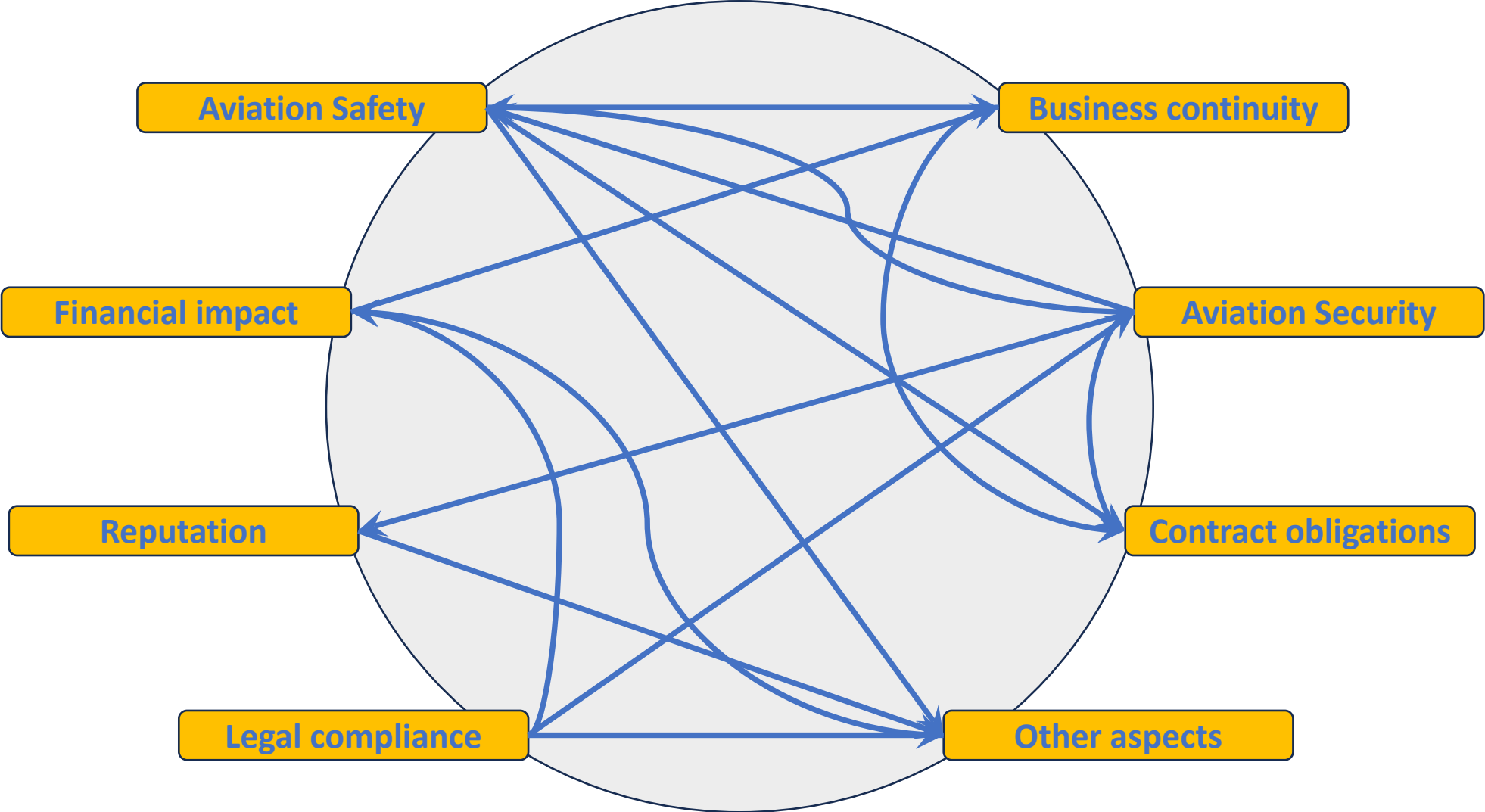
Safety is just one more Organisational Risk



Collaboration between two disciplines

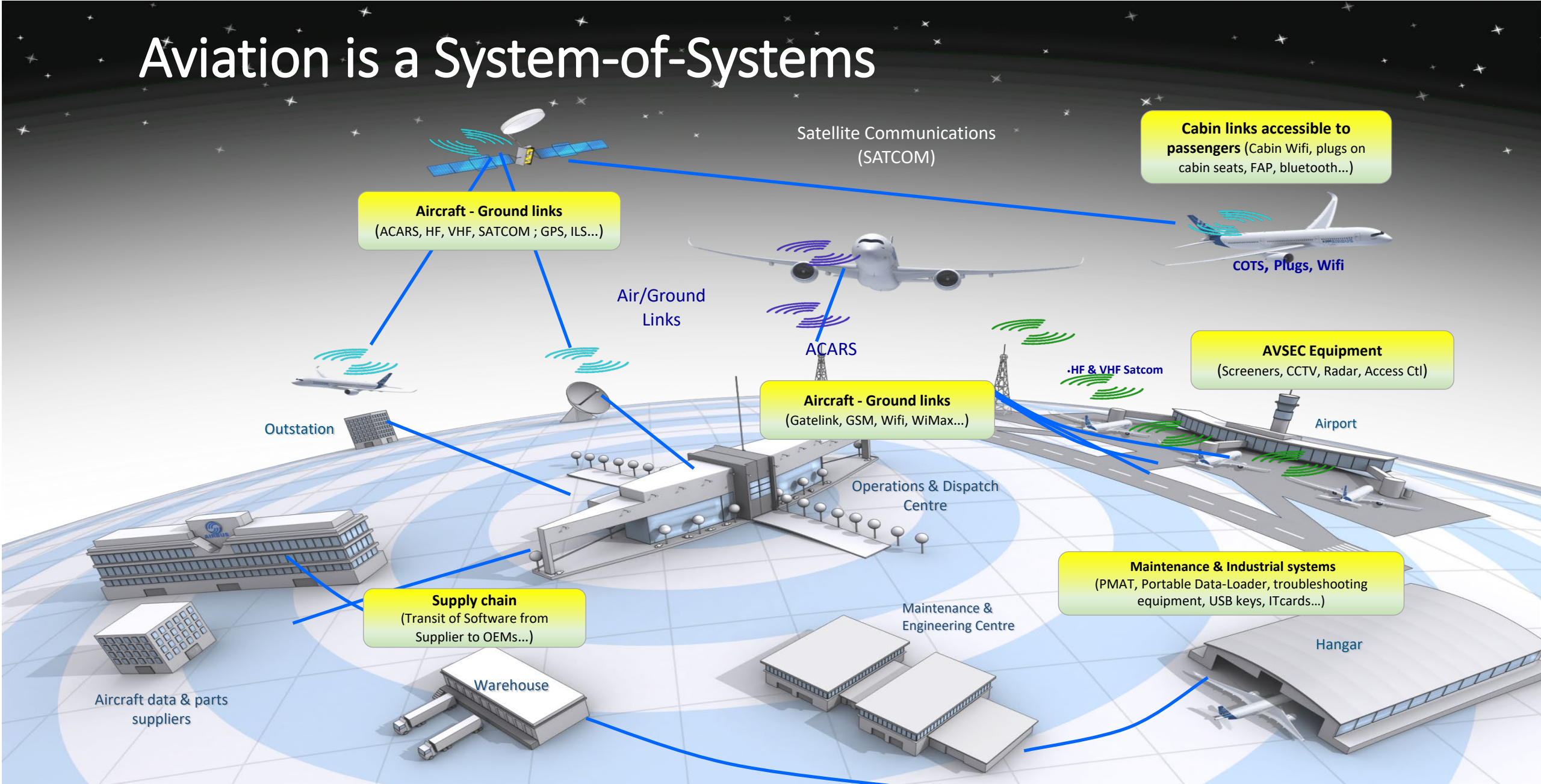


In Aviation, Everything is Linked to Everything Else!



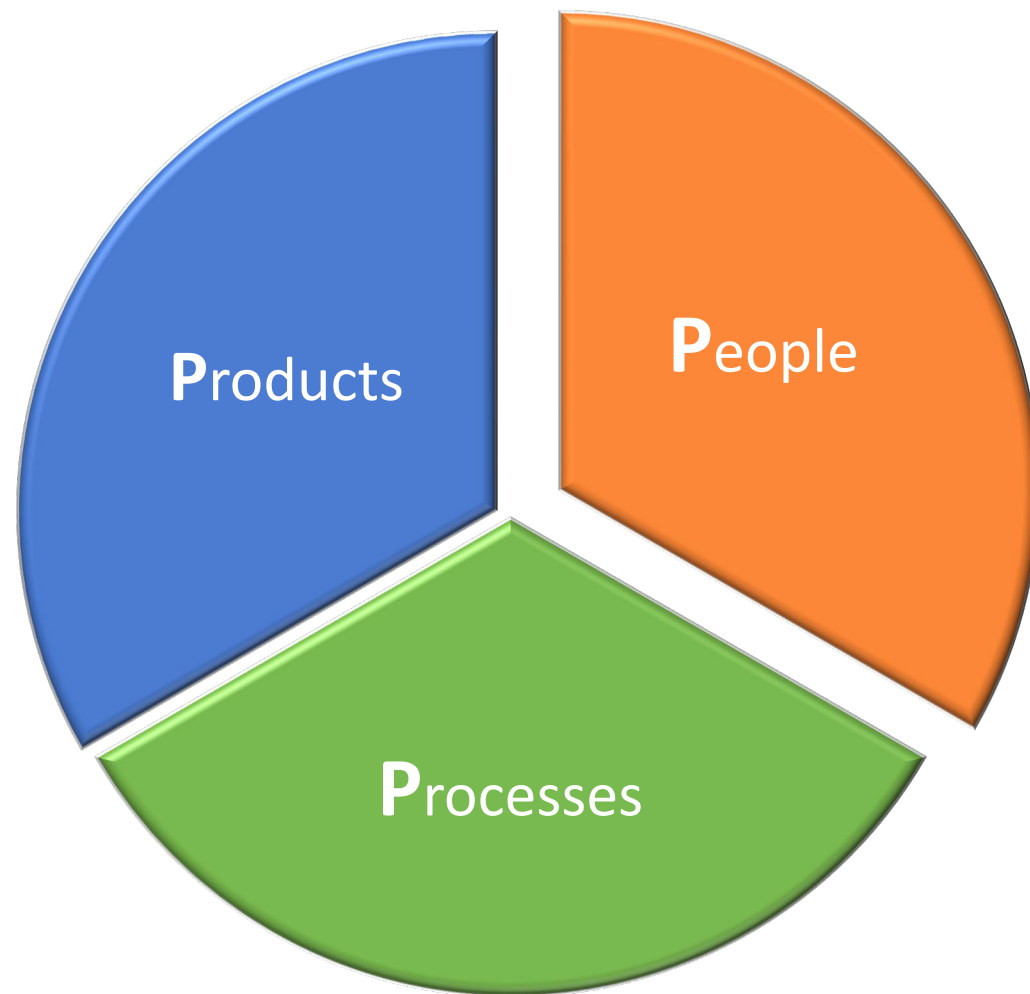
Nobody is an Island: System-of-Systems Notion

Aviation is a System-of-Systems

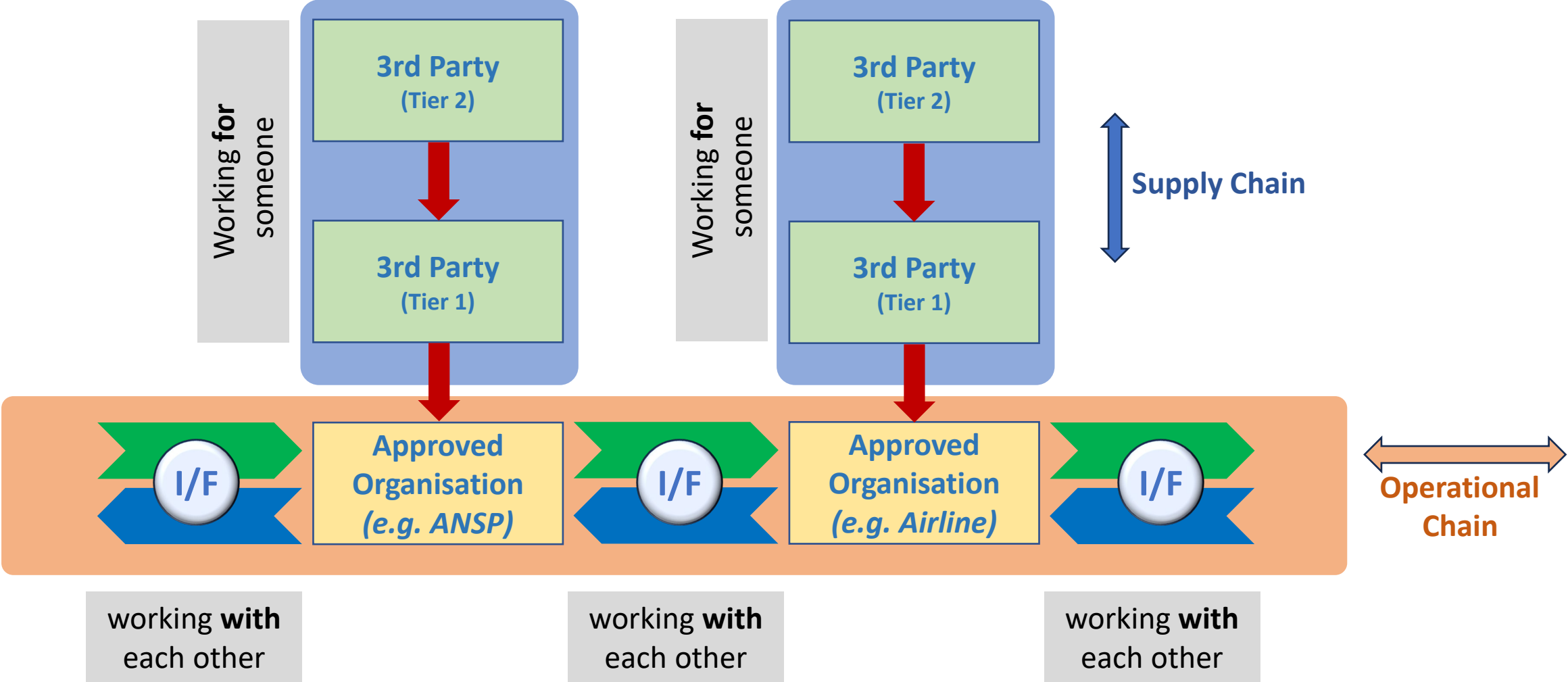


A System is

- Composed of
 - People, Processes, Products
- Functionally structured
 - As a System of Systems
- Connected to Other Systems
 - Horizontally, Vertically, or Both



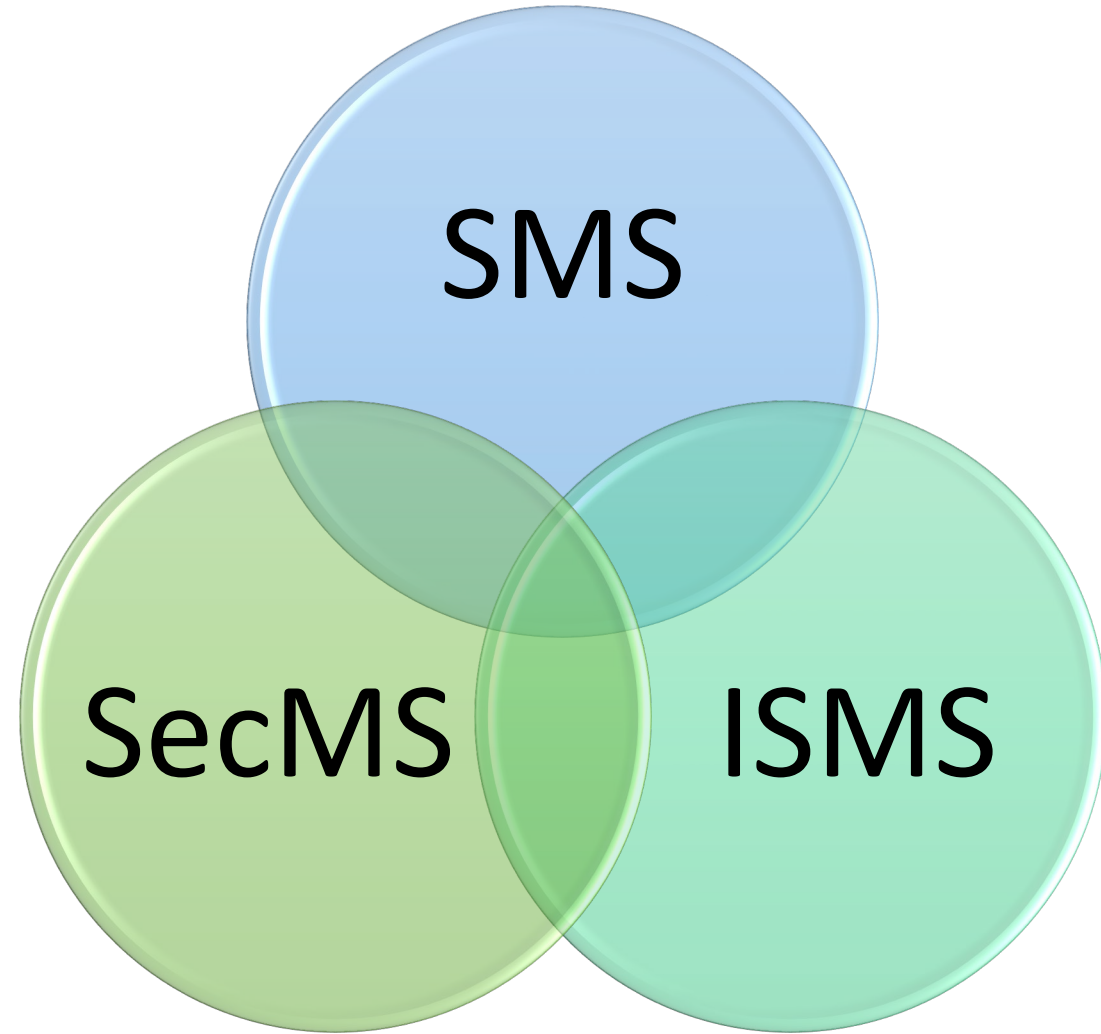
STORM: An Risk-Sharing System-of-Systems



Yet Another Dimension: Interacting Risk Types

Risk Management is Interconnected

- Safety Management
 - **SMS**, ICAO Doc 9859
- Aviation Security Management
 - **SecMS**, ICAO Doc 8973
- Information Security Management
 - **ISMS**, ICAO Doc 10204 (in publication)
 - **ISMS**, EU/Part-IS



Comparison of Aviation Management Systems

SMS (Annex 19)	SeMS (Annex 17)	ISMS (ISO 27001-2013)
Effects -based risk-managed	Threat -based risk-managed (Plan-Do-Check-Act)	Effects -based risk-managed (Plan-Do-Check-Act)
1.1 Management commitment and responsibility	1. Management commitment	5.1 Leadership and Commitment
1.2 Safety accountabilities	3. Accountability and responsibilities	5.2 Policy
1.3 Appointment of key safety personnel		5.3 Roles, responsibilities and authorities
1.4 Coordination of emergency response planning	6. Incident response	16. Incident response
1.5 SMS documentation		7.5 Documented Information
2.1 Hazard identification	2. Threat and risk management	11.1 Impact and Threat Management
2.2 Safety risk assessment and mitigation		Vulnerability Management
3.1 Safety performance monitoring and measurement	5. Performance monitoring, assessment and reporting	12.4 Performance monitoring, and assessment (Logging, Audits & Reviews, Security Testing)
3.2 The management of change	7. Management of change	12.1 Change Management
3.3 Continuous improvement of SMS	8. Continuous improvement	10.2 Continual improvement
4.1 Training and education	9. Training and education	7.2/7.3 Training, awareness and competence
4.1 Safety communication	10. Communication	7.4 Communication
	4. Resources	7.1 Resources

Risk management — Guidelines

Management du risque — Lignes directrices

Some Options: Managing Risks

ISO31000 – Principles, Framework, Process

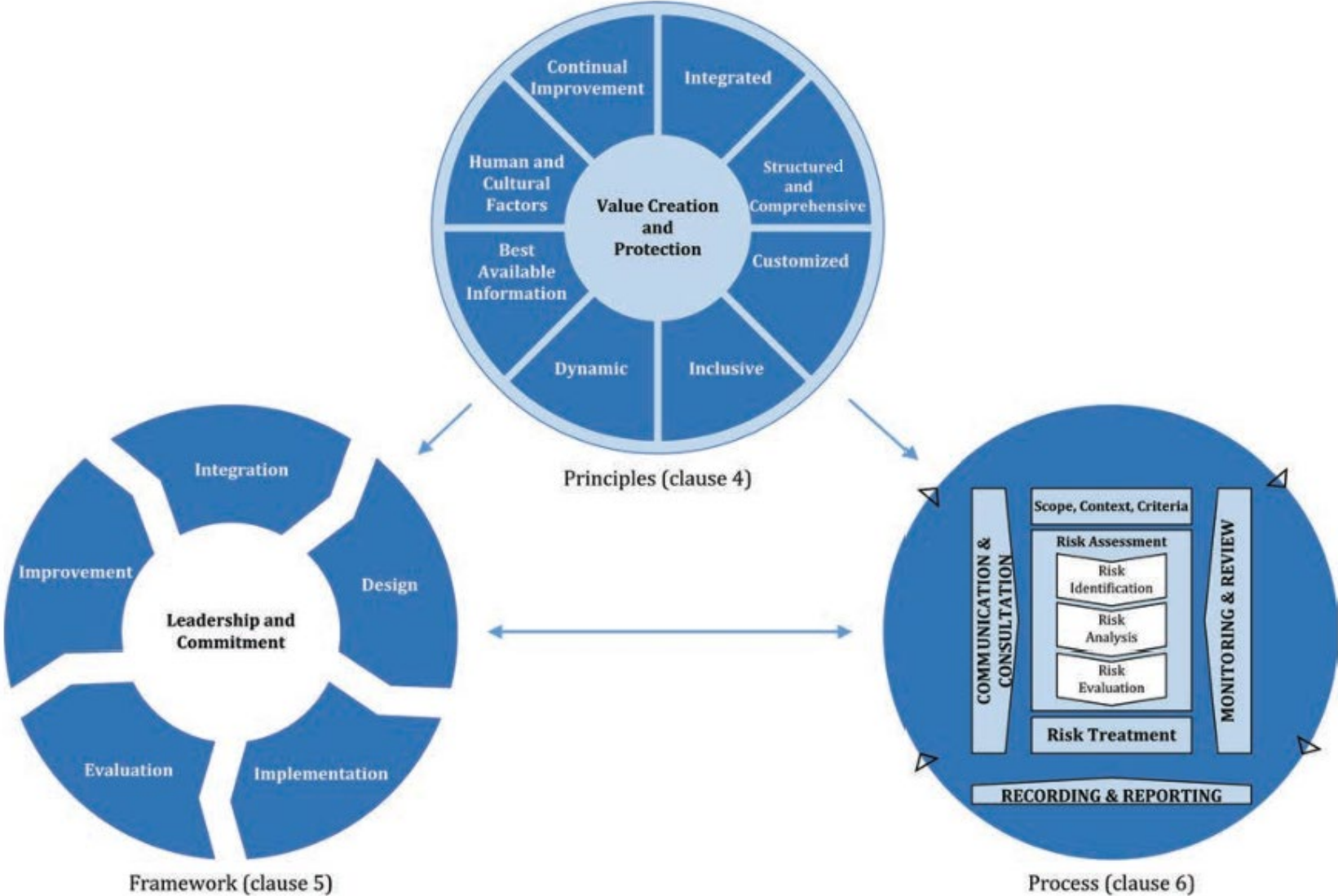


Figure 1 — Principles, framework and process

Which Class of Risk Assessment Do We Use for...?

Threat** view:

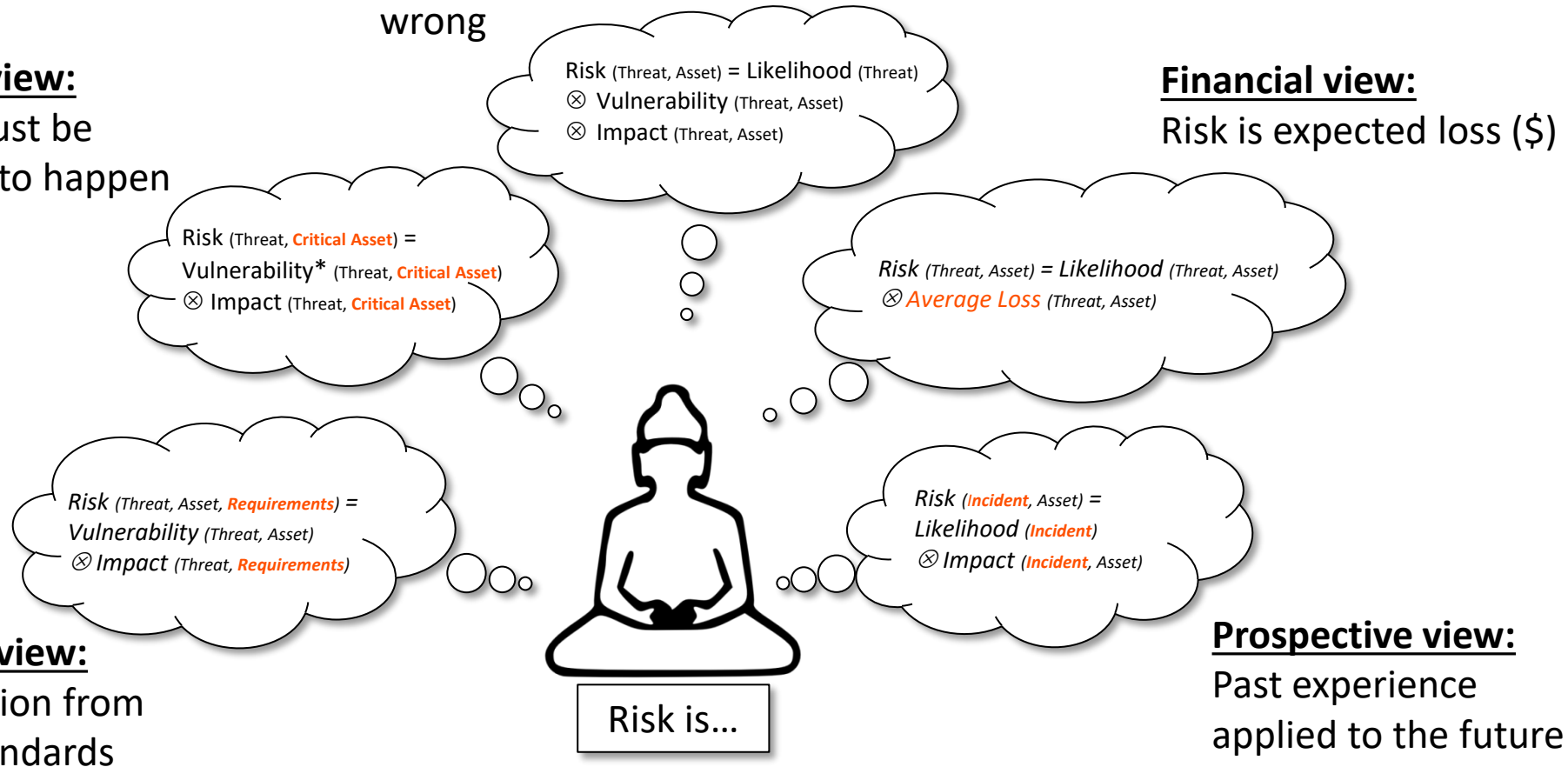
What could make things go wrong

Impact view:

What must be avoided to happen

Financial view:

Risk is expected loss (\$)



Compliance view:

Risk is deviation from rules and standards

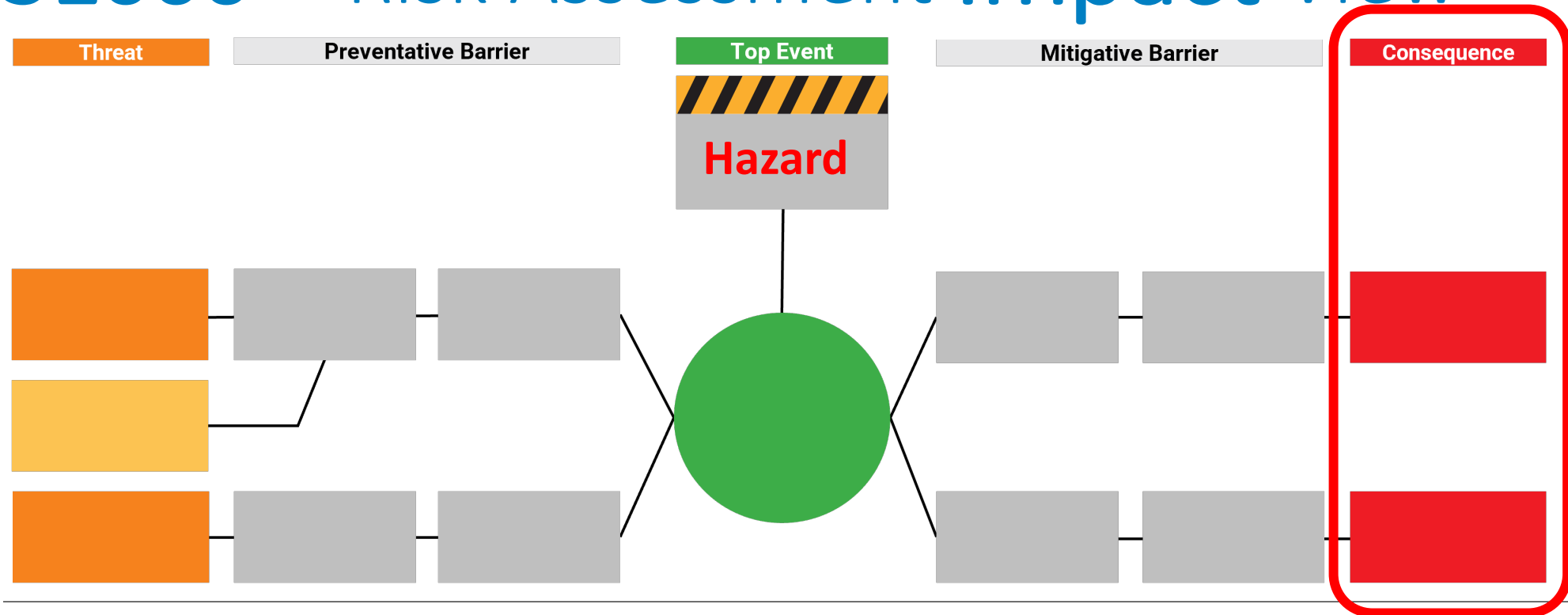
Prospective view:

Past experience applied to the future

*) In Safety, “Hazard” would replace “Vulnerability”

***) In Safety, the term “Threat” is not limited to intentional acts

ISO31000 – Risk Assessment Impact View



Double click on the shapes above and input descriptions to complete the elements that make up the Bowtie Diagram. The element descriptions should conform to the questions asked below.

Step 1 Identify the Hazard



- Is the hazard specific? (i.e. specify location, size etc if relevant)
- Has it been described in its controlled state?

Step 2 Identify the Top Event



- Does it describe how control of the hazard has been lost?
- Does it describe what has been lost?
- Has the event been quantified (if relevant)?

Step 3 Identify Threats



- Does each threat identified directly cause the Top Event?

Step 4 Identify Consequences



- Has it been described as [Damage] due to [Top Event]? (e.g Fire due to loss of containment)

Step 5 Identify Preventative Barriers



- Is it specific?
- Is it capable of completely stopping the Top Event?
- Does it prevent the Threat from occurring?

Step 6 Identify Mitigative Barriers



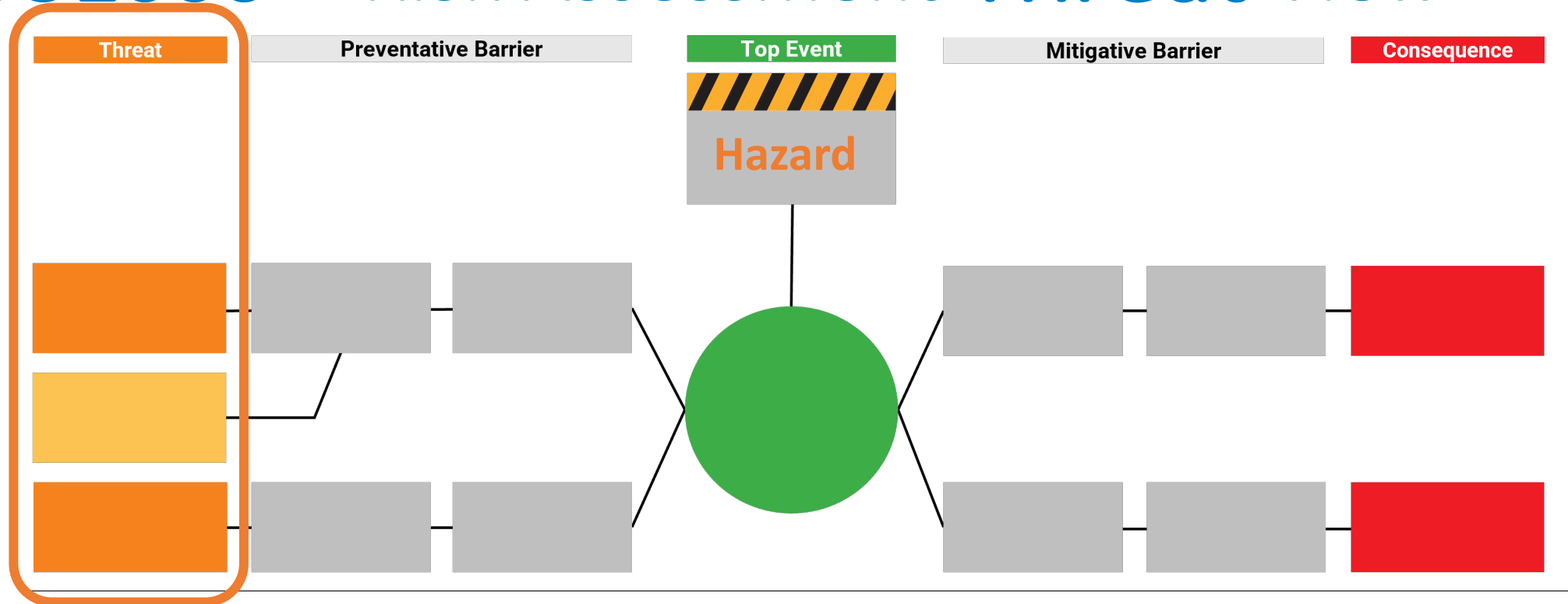
- Is it specific?
- Does it prevent or limit the consequence?

Step 7 Identify Escalation Factors



- Does it define how or why the barrier has degraded?
- Does it reduce the effectiveness of the barrier?
- Is it associated with a human or organisational factor?
- Is it realistic?

ISO31000 – Risk Assessment Threat View



Double click on the shapes above and input descriptions to complete the elements that make up the Bowtie Diagram. The element descriptions should conform to the questions asked below.

Step 1 Identify the Hazard



- Is the hazard specific? (i.e. specify location, size etc if relevant)
- Has it been described in its controlled state?

Step 3 Identify Threats



- Does each threat identified directly cause the Top Event?

Step 5 Identify Preventative Barriers



- Is it specific?
- Is it capable of completely stopping the Top Event?
- Does it prevent the Threat from occurring?

Step 7 Identify Escalation Factors



- Does it define how or why the barrier has degraded?
- Does it reduce the effectiveness of the barrier?
- Is it associated with a human or organisational factor?
- Is it realistic?

Step 2 Identify the Top Event



- Does it describe how control of the hazard has been lost?
- Does it describe what has been lost?
- Has the event been quantified (if relevant)?

Step 4 Identify Consequences



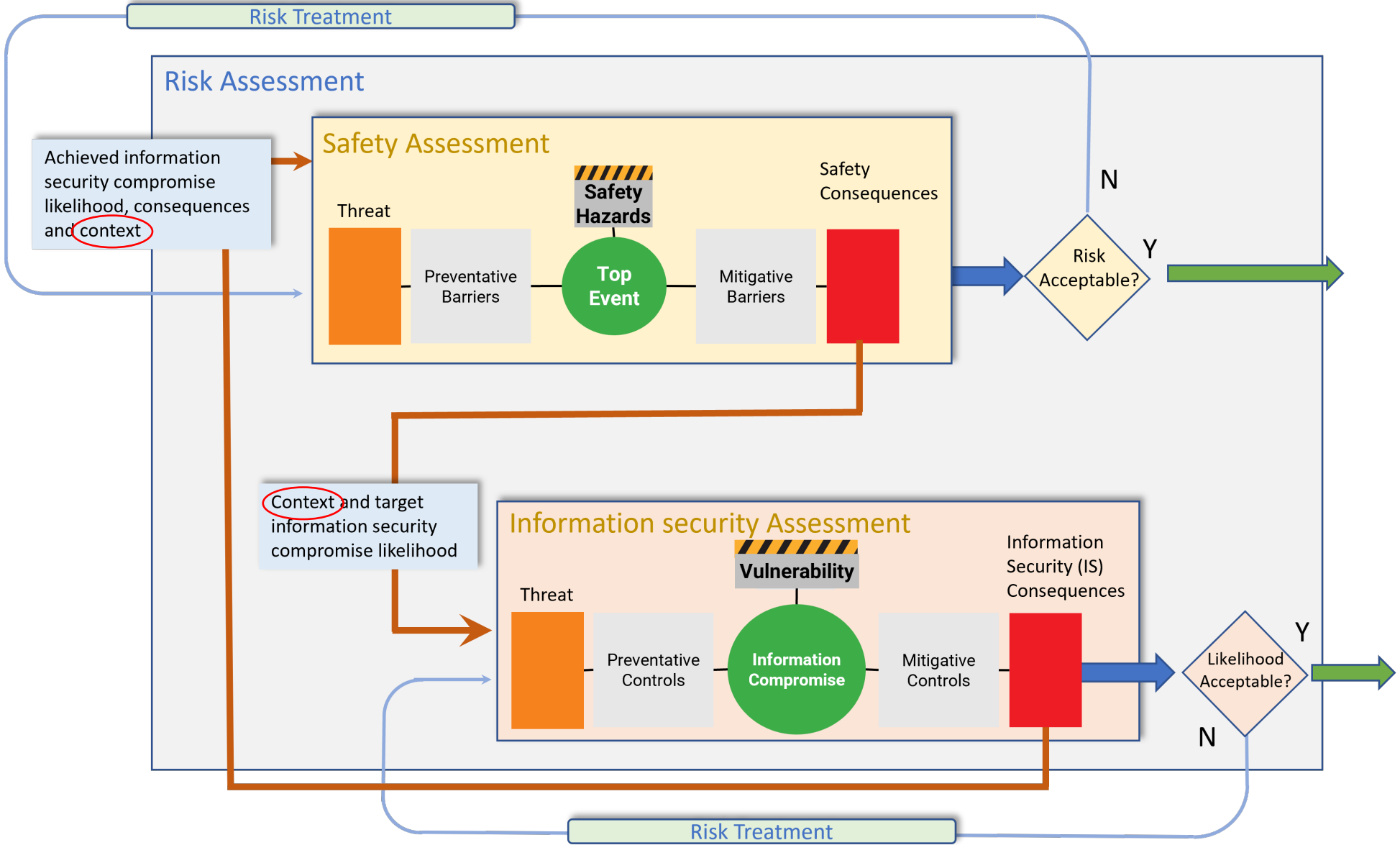
- Has it been described as [Damage] due to [Top Event]? (e.g Fire due to loss of containment)

Step 6 Identify Mitigative Barriers



- Is it specific?
- Does it prevent or limit the consequence?

Interacting Safety & Info Sec Risk Assessment



“One single event shall not cause a CAT effect”

Safety is our reference!

→ **CS-25.1309** Equipment, systems and installations” states:

(b) The aeroplane systems and associated components, considered separately and in relation to other systems, must be designed so that -

(1) Any catastrophic failure condition

(i) is extremely improbable; and

(ii) **does not result from a single failure**



There shall be at least two independent threat scenarios or causes to result in a Catastrophic safety consequence!

ISO27005 – Safety Risk Treatment Options

→ Presumption: Only **unacceptable** safety risks will be treated

ISO27005:2022 (InfoSec) Risk Treatment Options	Safety Risk Treatment Options
avoiding the risk by deciding not to start or continue with the activity that gives rise to the risk	available option
taking or increasing the risk in order to pursue an opportunity	Not possible, as risk needs to be made acceptable.
removing the risk source	available option
changing the likelihood	available option
changing the consequences	available option
sharing the risk (e.g. through contracts, buying insurance)	Not possible, as risk needs to be made acceptable.
retaining the risk by informed* decision	Not possible, as risk needs to be made acceptable.

*) Retaining an unacceptable risk despite being informed cannot even be considered gross neglect anymore!

Key Take Aways

Key Take Aways

All organisations are part of the Shared Trans-Organisational Risk Management (STORM)

- All Risks Influence Any Other Risk:**
- **Break The Silos!**
 - **Learn Each Other's Language!**



Peace of Mind



© Caters News Agency

Industry Standardisation



Part-IS Implementation Workshop



Cyrille Rosay is a Senior Expert in Cybersecurity in Aviation at EASA. He led RMT.648 for Aircraft Cybersecurity and co-chairs efforts on Part-IS guidance. Cyrille chairs EUROCAE WG-72 and the European Cybersecurity Standardisation Coordination Group (ECSCG).

Before EASA, he was an airworthiness expert for the French Defence Agency and logged 2000 flight hours as an IFR multi-engine pilot.

Industry standards

- Why do we need standards
- ECSCG
- EUROCAE WG-72
- Which standards for part-IS?

Why Standards Matter

→ agreed-upon norms, requirements, or guidelines that ensure

→ consistency,

→ quality,

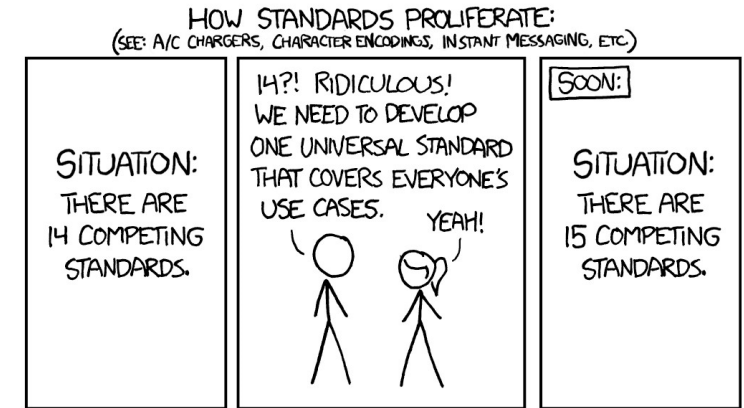
→ Interoperability

→ (Conformity demonstration)

→ foundation for shared understanding and compatibility

→ simplify production, improve safety, reduce costs, and enhance reliability

→ Developed by the industry for the industry

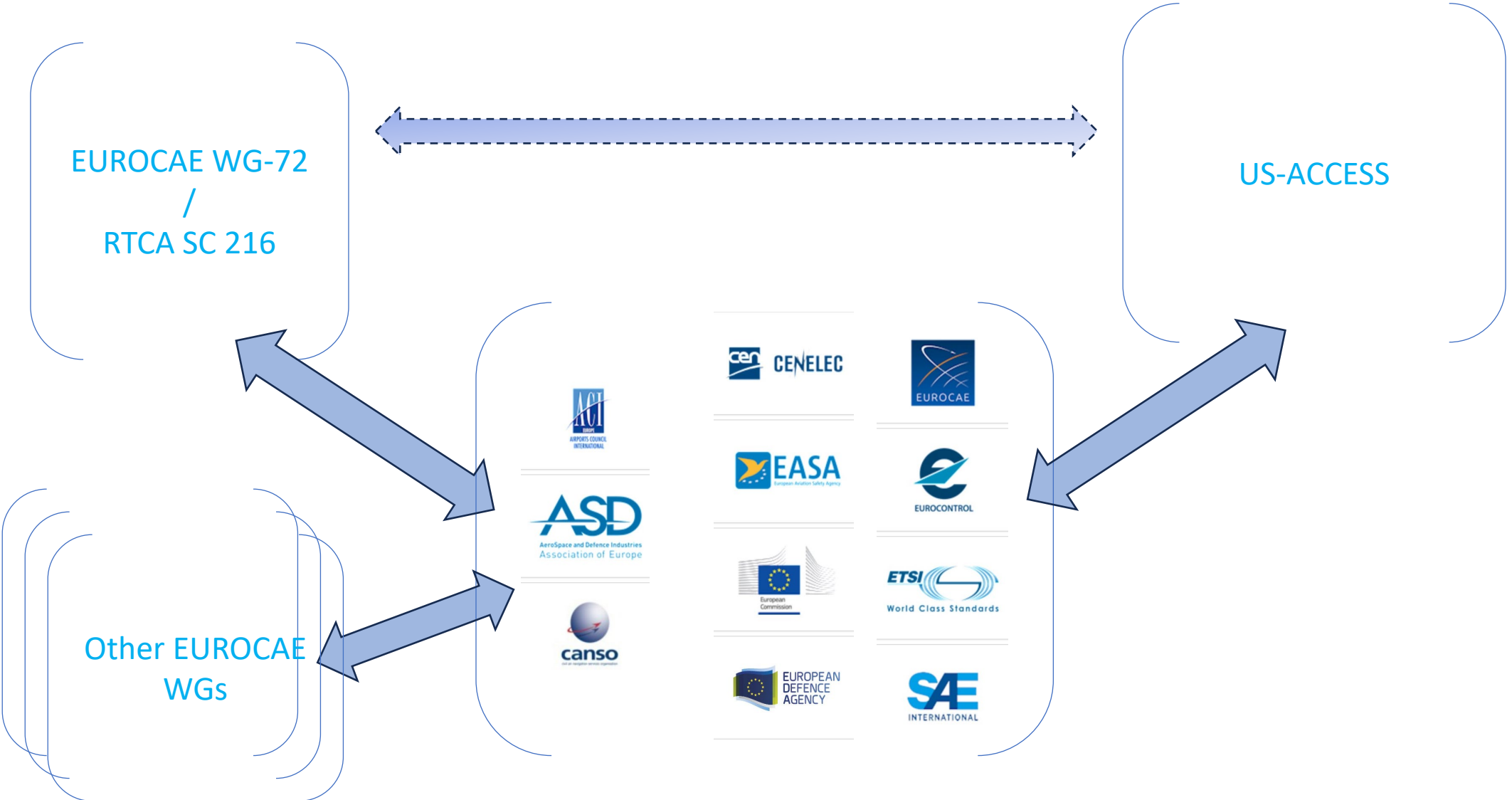


ECSCG



- European Cyber security for aviation Standards Coordination Group
 - **Joint** coordination and advisory group
 - coordinate the cyber security for aviation related standardisation activities
 - specific focus on activities stemming from the **EC and EASA regulations**
 - New Focus on SESAR implementation needs
 - does not exclude other market-driven standards

ECSCG



ECSCG

→ Meeting 3 times a year

→ EASA

→ Survey of existing standards

→ Gap identification

→ SESAR 3

→ Gap identification

→ Production of the Cybersecurity – Rolling Development Plan

<https://rdptables.eurocae.net/Home/ECSCG>

ECSCG – C-RDP

ECSCG RDP

Domain	Standardisation Activity	Reference	Standardisation organisation	WG/Panel	Target date for standard publication	Status standardisation	Joint activity	Regulatory activity	Regulatory organisation	Target date for regulatory material publication	Status Regulation	Cybersecurity Terminology	Trustworthiness	Privacy	Oversight	Risk Assessment	Cyber Resilience requirements	Transorganisational security requirements	Civil-military interoperability	Supply chain cyber security	Maintenance (MRG) security	Cloud Security	Development & Production Process Security	Product Security	Cybersecurity verification	Risk and vulnerability management	Operation security	Security Incident	Information sharing
Transversal	Security and Privacy Controls for Federal Information Systems and Organizations	US NIST 800-53 rev.4	NIST		2013	Published						X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		
Transversal	Security and Privacy Controls for Federal Information Systems and Organizations	US NIST 800-53 rev.5	NIST		2020	Published						X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		
Transversal	Guidance On Security Event Management	ED-206	EUROCAE	WG-72	2022	Published	RTCA DO-392									X			X							X	X	X	X
Transversal	Cyber Physical Systems Security Engineering Plan	JA7496	SAE G-32 Cyber Physical Systems Security		2022	Published						X				X				X				X		X	X	X	
Transversal	Aeronautical Information System Security (AISS) Framework Guidance	ED-201A	EUROCAE	WG-72	2021	Published	RTCA DO-391					X	X			X	X	X	X	X	X			X		X	X	X	X

→ “published transverse standards addressing Risk and Vulnerability Management”

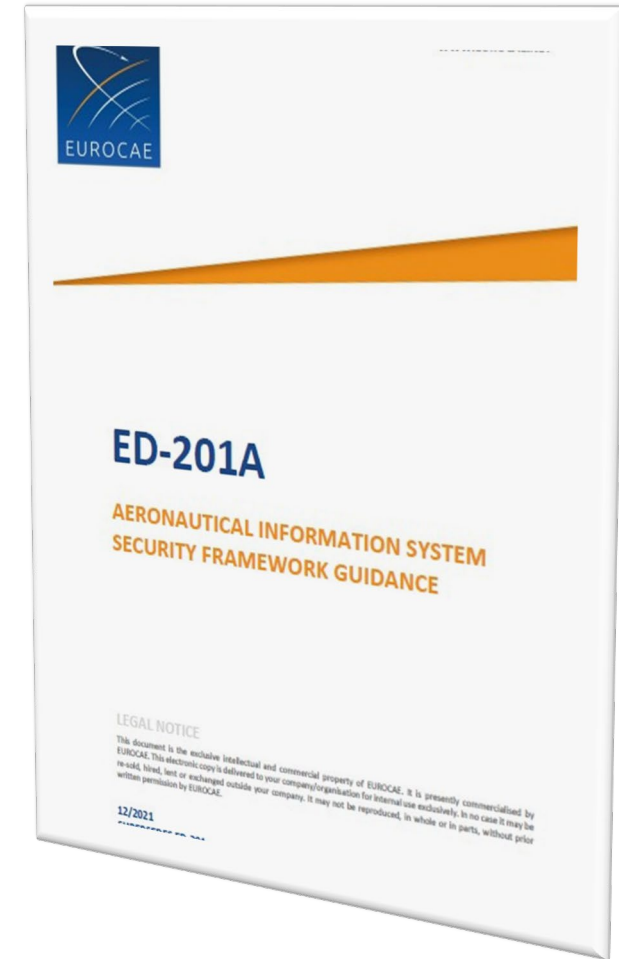
EUROCAE WG-72

- Created in 2006
- Subject: Aeronautical System Security
 - Focusing on potential impact on safety
- objectives rather than solutions
- addressing airborne systems, aviation ground systems, but also organizational aspects of information security (ISMS, ISEM).
- Joint Activity with RTCA SC-216
-



ED-201

- General concepts and frameworks on
 - Aviation security environment,
 - risk management and assurance,
 - supply chain,
 - ISMS in general,
 - Security Risk Assessment sharing and comparability,
 - Information Sharing,
 - External Agreements,
 - Threat Intelligence,
 - Protection of Sensitive Information and Disposal of Assets



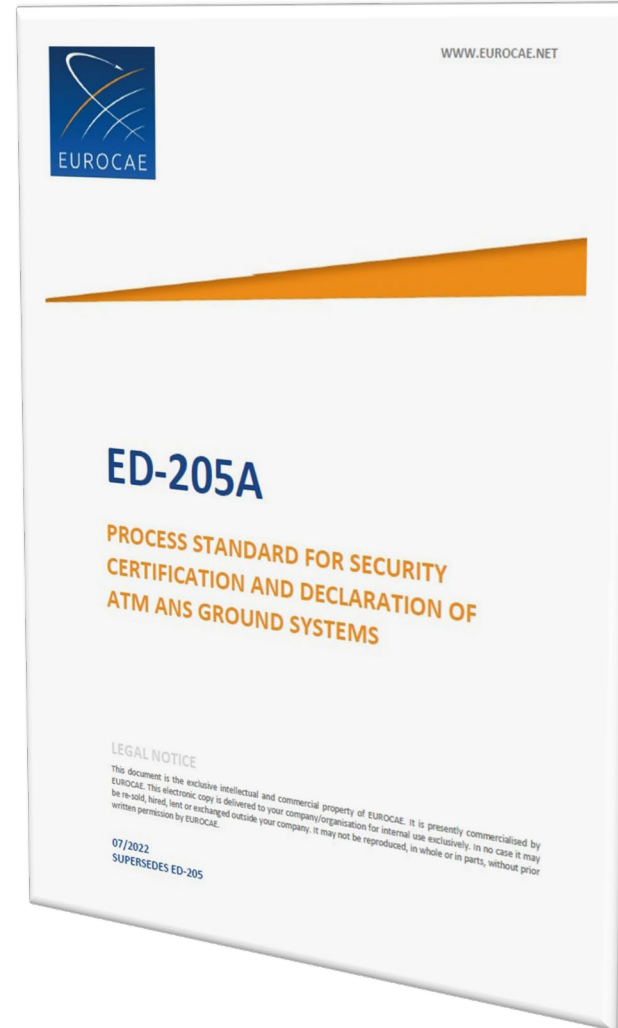
ED-202/ED-203/ED-204 the product suite

- Airworthiness Security Process
- Security scope
- Security Risk Assessment
- Security measure effectiveness
- Security development
- Scoring
- Logging
- Continuing airworthiness
 - GSE, certificates, aircraft ISEM, roles and responsibilities



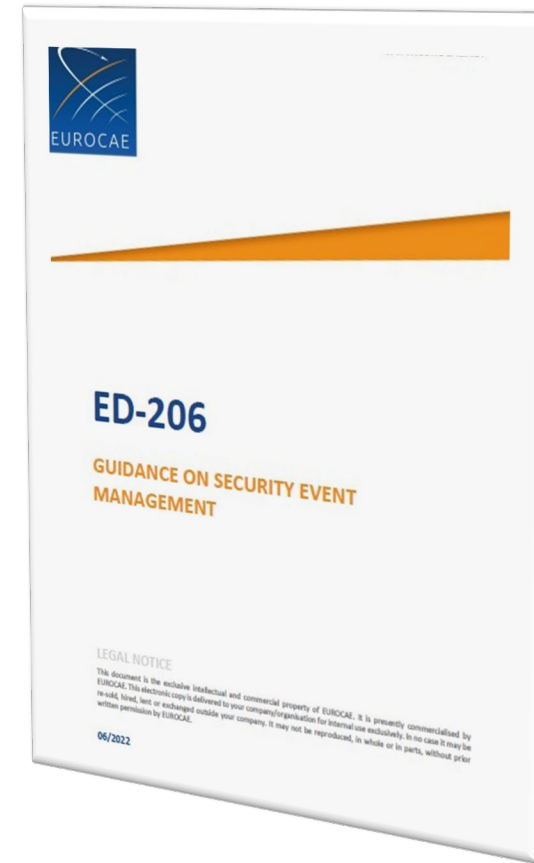
ED-205 ATM ANS ground systems

- Security process
 - Organisation level (ISMS)
 - Risk management
 - Incident monitoring and reporting
 - Compliance demonstration



ED-206 ISEM for organisation

- ISEM framework (stakeholders, risk sharing, interfaces)
- Prepare
- Detect
- Analyse
- Respond
- Recover

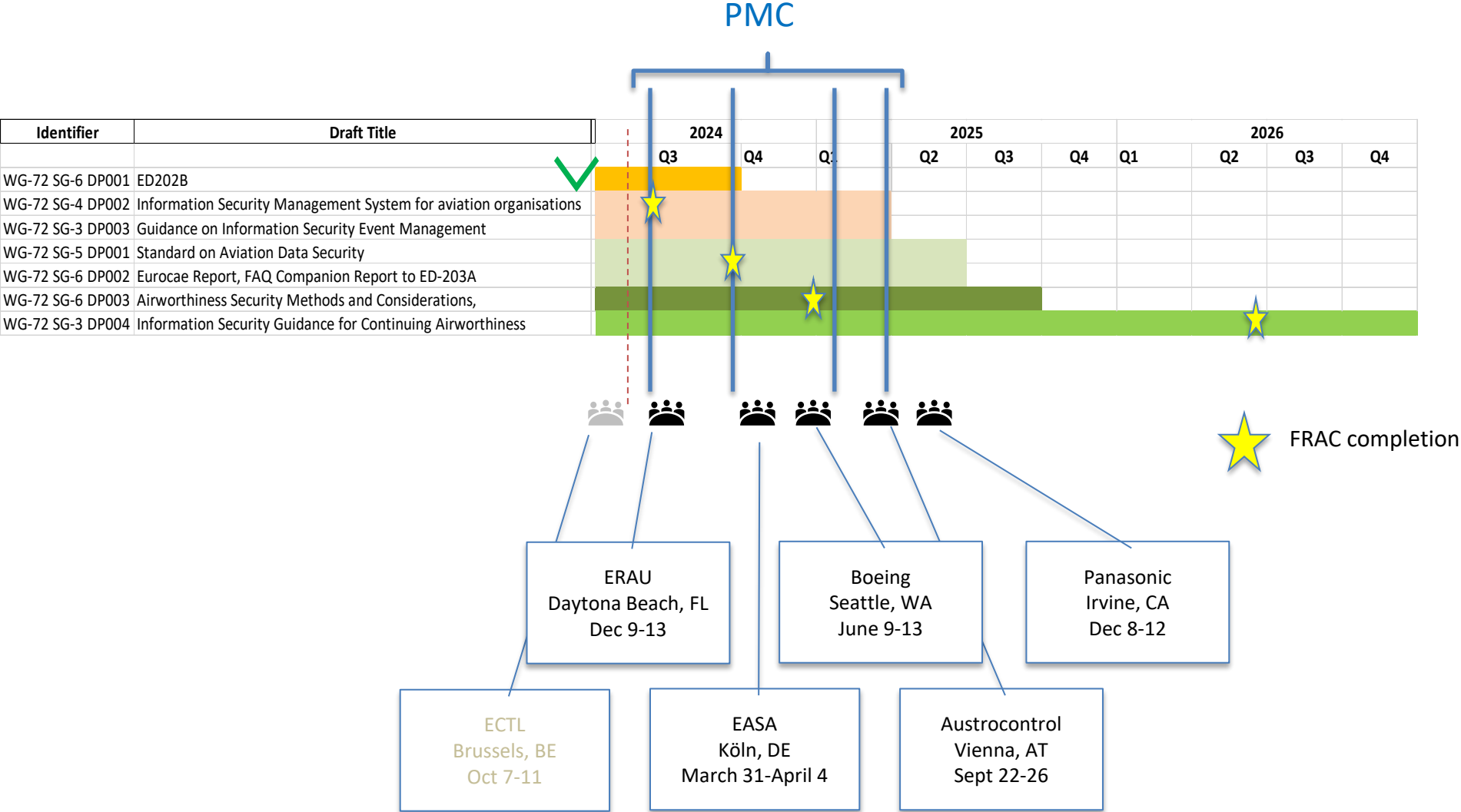


Work programme

TAC approval: 04/06/2024

Identifier	Reference	Draft title	Target date (publication)
WG-72 SG-4 DP002	ED-xxx/DO-xyz	Information Security Management System for aviation organisations	Q1/2025
WG-72 SG-5 DP001	ED-xxx/DO-xyz	Standard on Aviation Data Security	Q2/2025
WG-72 SG-3 DP003	ED-206A/DO-392A	Guidance on Information Security Event Management	Q1/2025
WG-72 SG-6 DP001	ED-202B/DO-326B	Airworthiness Security Process Specification	Q3/2024
WG-72 SG-6 DP002	ER-XXX	Eurocae Report, FAQ Companion Report to ED-203A	Q2/2025
WG-72 SG-6 DP003	ED-203A Change 1	Airworthiness Security Methods and Considerations	Q3/2025
WG-72 SG-3 DP004	ED-204B	Information Security Guidance for Continuing Airworthiness	Q1/2027

Schedule



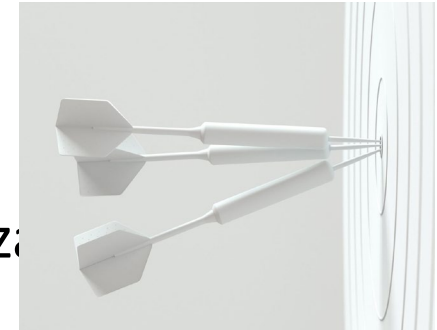
Eurocae WG-72 / SC-216 progresses

→ ED-206A “Information Security Event Management”:

1. ISMS vs ISEM objectives
2. Vulnerability Scoring (Aviation customization)
3. Timeline to report

→ organization to create timelines appropriate to their organization

→ guidance on how to select appropriate timelines



Eurocae WG-72 / SC-216 progresses

ED-ISMS 1/2

- Alignment of ED-ISMS standard with ICAO work
- Proportionality for less complex organizations
 - guidance must support realistic maturity model
- Mechanisms for sharing audit results / minimizing audits
 - Suppliers expecting to see Part-IS language in contracts
 - need consensus on expectations
 - templates

Eurocae WG-72 / SC-216 progresses

ED-ISMS 2/2

- Insider threat considerations
- ISMS risk management process
- Expanded on propagation to safety, distance and time, how many things need to happen in sequence before safety impact
- Maturity model approach in ISMS

Eurocae WG-72 / SC-216 progresses

End to end Data security standard (ED-DSEC)

→ 2 streams:

→ Framework:

→ blueprint on how to develop information security requirements for the data

→ 3 main steps

→ identify Data and the Stakeholders

→ determine the Data Flow and the Interfaces

→ protect the Data, based on the security properties hazard on safety effect

→ Supported by specific use cases

→ For example: aircraft data, from software provider to system upload

Standardisations: main takeaways

- Standards are key elements to:
 - Safety
 - Efficiency
 - Consistency
 - Level playing field
 - Developed by the industry for the industry
 - Share your experience and contribute😊

Q&A – 30 minutes



Part-IS Implementation Workshop

Part-IS Workshop agenda – Day 2

Part-IS Task Force outcomes & harmonisation activities

Overview of the harmonisation activities carried out by the Task Force, i.e. approval of derogations and the implementation guidance for ISO/IEC 27001 certified organisations.

AESA, AUSTRONCONTROL

Interplay with other EU rules (NIS2 and AVSEC)

Relationship between Part-IS and other EU cybersecurity legislation that may be applicable to aviation entities.

EASA, Polish CAA

Q&A

Panel 2 - Staff competence building

Discussion on cyber security competencies, & possible approaches to recruitment and upskilling the workforce, and the challenges associated with them.

EASA, ENISA, AESA, ILenT-NL, FOCA

ECSF adaptation for Part-IS roles

The tailored version of the ENISA Cybersecurity Skills Framework for use in the aviation context, taking into account in particular the roles introduced by Part-IS.

EASA

Q&A

See you tomorrow!

Thanks for being with us virtually and in presence



Part-IS Implementation Workshop