

Can legislation and standardisation support aviation becoming more cyber resilient?

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Luca CAPOFERRI – SESAR Coordination Officer, EASA

Your safety is our mission.

Aviation is a System-of-Systems

Satellite Communications
(SATCOM)

Cabin links accessible to passengers (Cabin Wifi, plugs on cabin seats, FAP, bluetooth...)

Aircraft - Ground links
(ACARS, HF, VHF, SATCOM ; GPS, ILS...)



Air/Ground Links



ACARS

AVSEC Equipment
(Screeners, CCTV, Radar, Access Ct)

-HF & VHF Satcom

Aircraft - Ground links
(Gatelink, GSM, Wifi, WiMax...)

Outstation

Operations & Dispatch Centre

Airport

Supply chain
(Transit of Software from Supplier to OEMs...)

Maintenance & Industrial systems
(PMAT, Portable Data-Loader, troubleshooting equipment, USB keys, ITcards...)

Maintenance & Engineering Centre

Aircraft data & parts suppliers



Warehouse



Hangar

Making European aviation cyber resilient



Products (Aircraft, 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)

- EASA proposal for a rule (**Part-IS**) published in June 2021
- Regulation(s) published in February 2023.
- AMC/GM under development

PART-IS



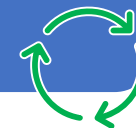
Information Sharing

- 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→ respond to, and recover from, those information security incidents

What we want to achieve with Part-IS

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Applicability of Part-IS



- FSTD Ops
- AOC
- ATO
- AeMC

- AMO
- CAMO
- POA
- DOA

U-Space SP

Operations & Licensing

Airworthiness

Drones

ATM/ANS

Aerodromes

- ANSP
- ATCO TO
- MET
- AIS
- CNS

Apron Management

Aerodrome operators

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**ATM/ANS
Design and Production
Organisations**

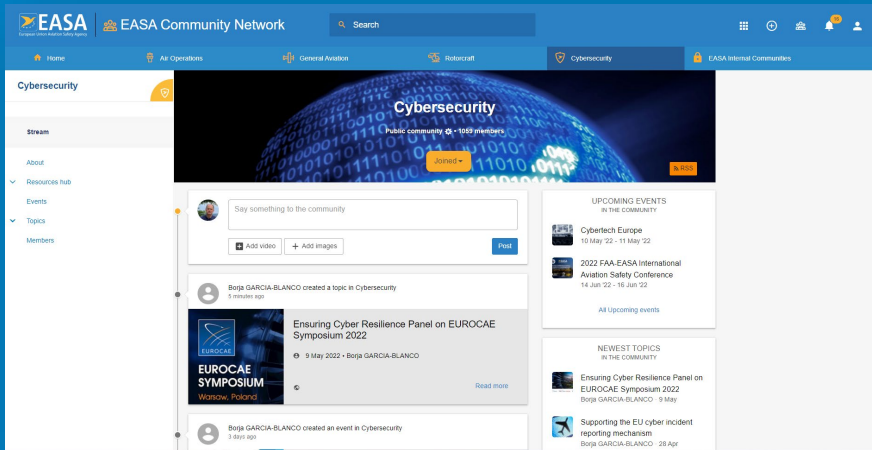
- Apron Management
- Aerodrome operators

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Thank you!

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<https://www.easa.europa.eu/community/cybersecurity>



Contact us at:
cybersec@easa.europa.eu

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Your safety is our mission.

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