

Role of Information Sharing in creating a resilient system

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Your safety is our mission.

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)

- EASA proposal for a rule (Part-IS) published in June 2021
- Adoption foreseen by end of 2022
- AMC/GM under development



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

Why sharing Information - 1

RESOLUTION A40-10

- ...
- e) Encourage government/industry coordination with regard to aviation cybersecurity strategies, policies, and plans, as well as sharing of information to help identify critical vulnerabilities that need to be addressed;
- f) Develop and participate in government/industry partnerships and mechanisms, nationally and internationally, for the systematic sharing of information on cyber threats, incidents, trends and mitigation efforts;
- ...

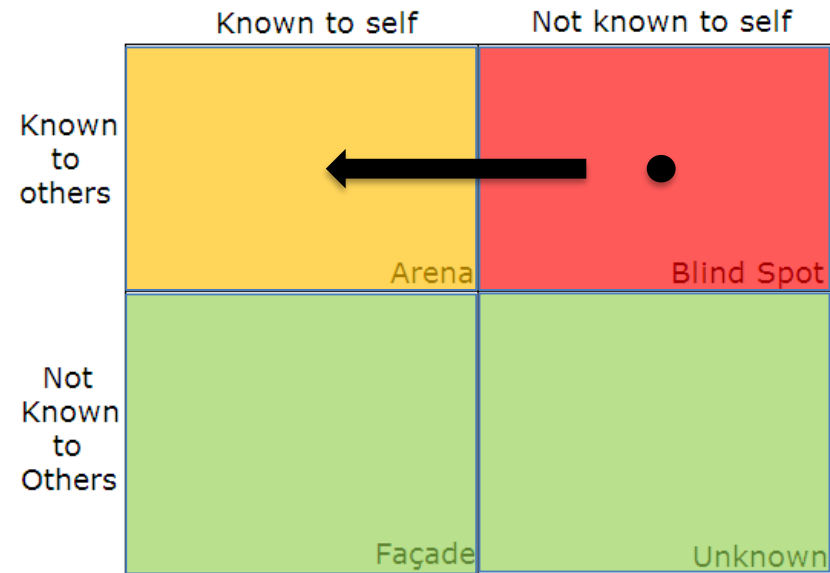
Why sharing Information - 2

IN PRACTICE

- We may have some clue about the threat agents, vulnerabilities and exploits to perform a reasonable assessment
- New threats may appear without notice and it is practically impossible to know all the vulnerabilities of a system.
- It is essential to know elements that will emerge in the future and may change the risk picture.
- We need to be aware of “**unknown unknowns**”.

The “unknown unknown” is safe until it becomes known to a threat source than turns into a “blind spot” for you

Johari Window



If “others” with knowledge are “allies” there should be means in place to get to the Arena state

What to share

Vulnerabilities

Events

Incidents

Communicate threats and ensure situational awareness

Make the unknowns known

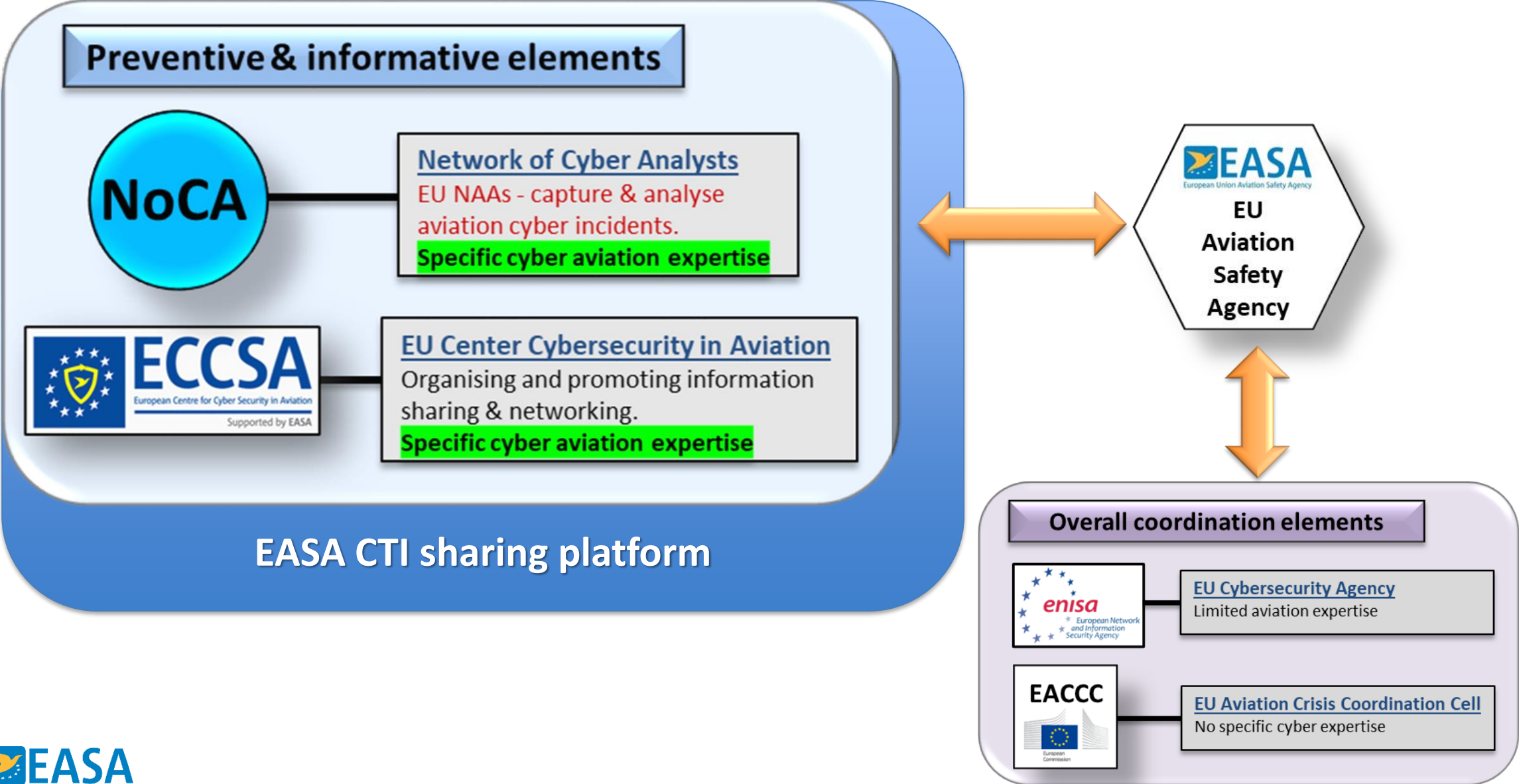
Mandatory

Voluntary

Reg. 376/2014

- To ensure a common approach across all technical domains

Network of Cyber Analysts to share and analyse information



Thank you

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