EASA
European Union Aviation Safety Agency

“How do we share information”

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4th / 5th March 2020
2020 High Level Cybersecurity Conference
Madrid (Spain)

Your safety is our mission.

An Agency of the European Union

Why Sharing is so important in Cybersecurity

- We may have some clue about the threat agents, vulnerabilities and exploits to perform a reasonable assessment as of today.
- However, new threats may appear without notice and it is a fact that its practically impossible to know all the vulnerabilities of a system.

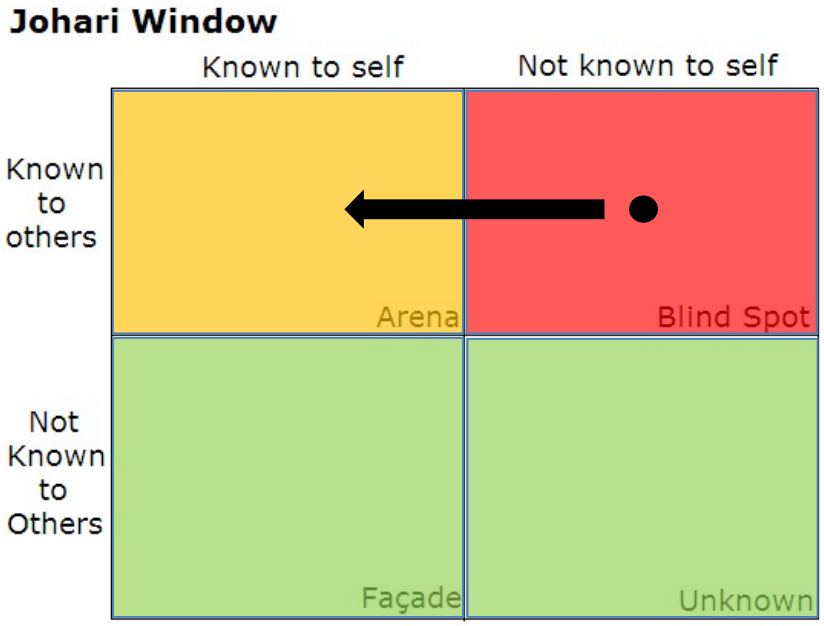
Johari Window

	Known to self	Not known to self
Known to others	Arena	Blind Spot
Not Known to Others	Façade	Unknown

Your (the defender) perspective

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

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

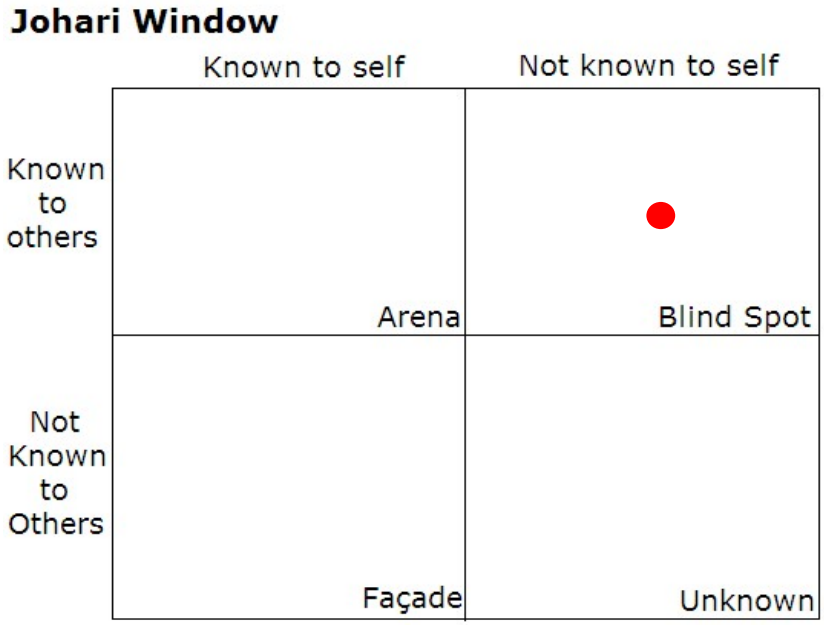


The opponent perspective

What if “others” is a Threat Source?

The Blind Spot is a Zero Days quadrant

Vulnerabilities privately known, unpatched and exploitable!



ICAO Assembly Resolution 39-19

- 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**;

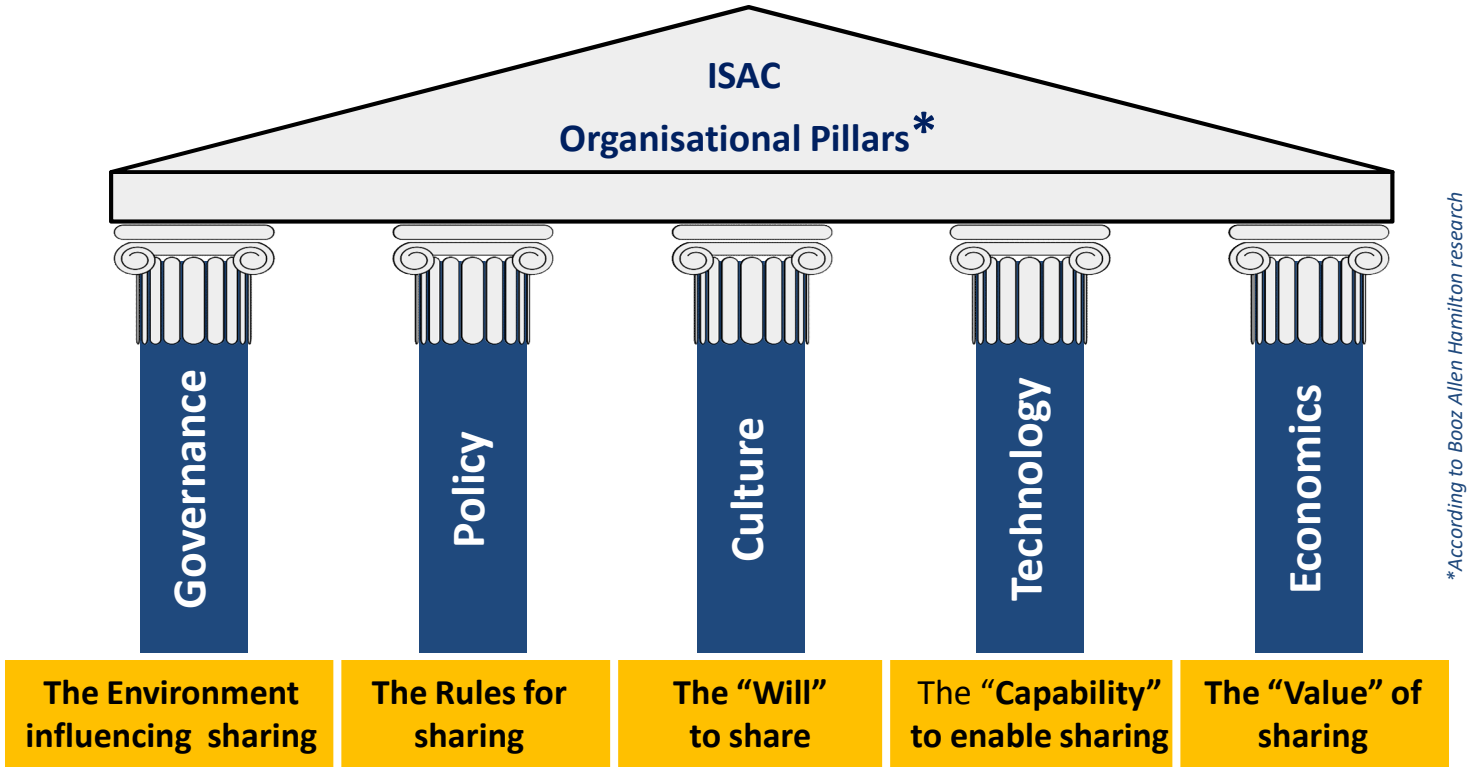
- Develop and participate in government/industry partnerships and mechanisms, nationally and internationally, for the **systematic sharing of information on cyber threats, incidents, trends and mitigation efforts.**

Main Sectorial Initiatives

Information Sharing and Analysis Centres (ISACs) and Computer Emergency Response Teams (CERTs)

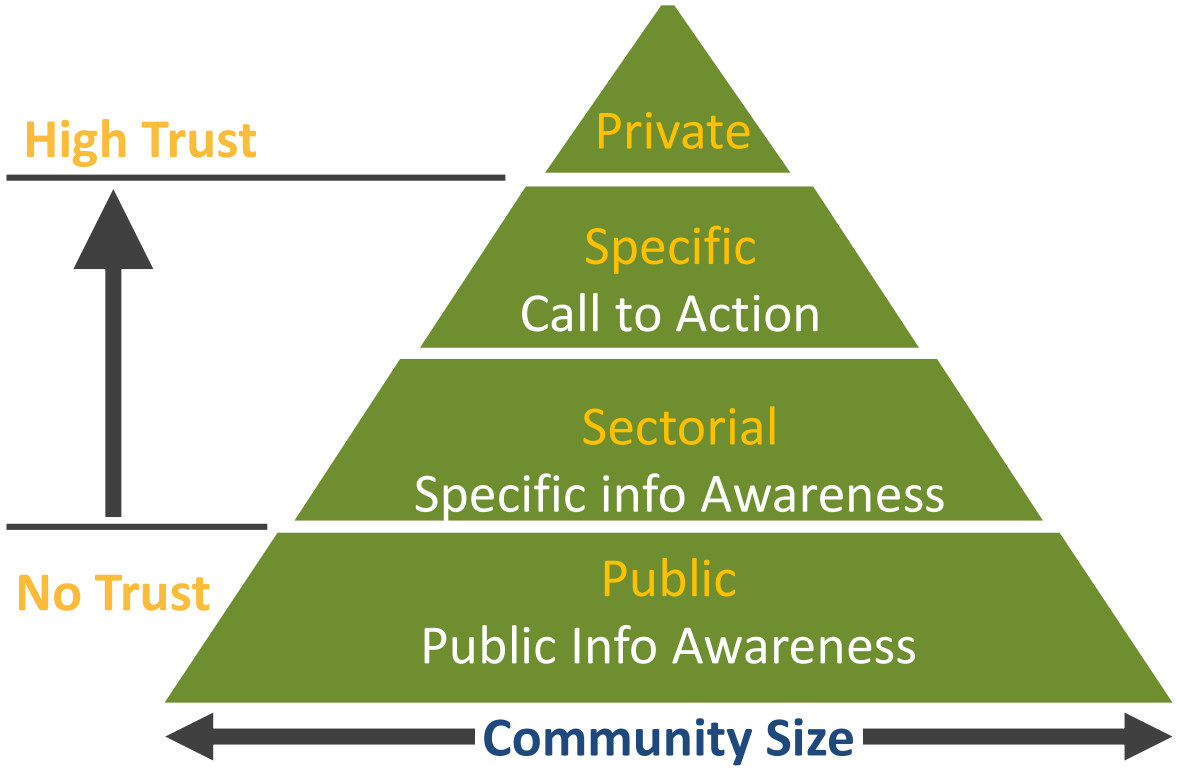
- → **Aviation ISAC (A-ISAC)** – US Industry initiative, activities started in 2014, more than 70 members.
- → **European Centre for Cyber Security in Aviation (ECCSA)** – EU cross-cutting initiative supported by EASA, activities started in 2019, 26 members and growing
- → **EATM- CERT –** EUROCONTROL initiative aimed at providing proactive cyber-security services, within EUROCONTROL, and, on a voluntary basis, to EUROCONTROL stakeholders

Organisational Pillars for Information Sharing



*According to Booz Allen Hamilton research

Info Sharing and Trust levels



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Questions

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