

International Aviation Trust Framework

The enabler of the digital transformation of the aviation system

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Some events





Some events

2017 - LATAM Airlines – data encrypted by WannaCry and Ukraine's airport Boryspil lost access to its systems by NotPetya

2018 – Bristol Airport - malware



Cost of cyberattack



- Avg. cost > \$1M
- 53% of attacks resulted in damages of \$500,000 and more

Source CISCO, Radware







800 ships



4m containers

80,000 employees

World's largest container shipping company



The company was subjected to a major cyber attack on **June 27**,



The attack was **collateral** damage

\$350 million





699 sites impacted



55,000 customers impacted



7,000 infected servers



Infection spread in 7 minutes

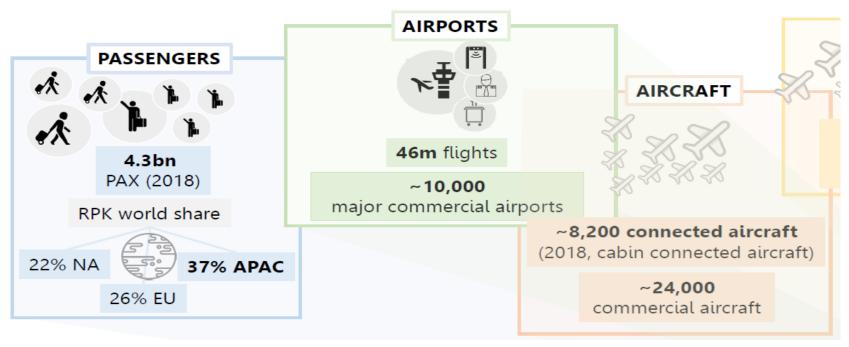






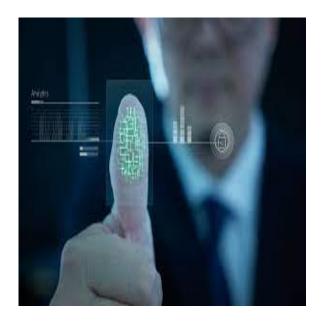


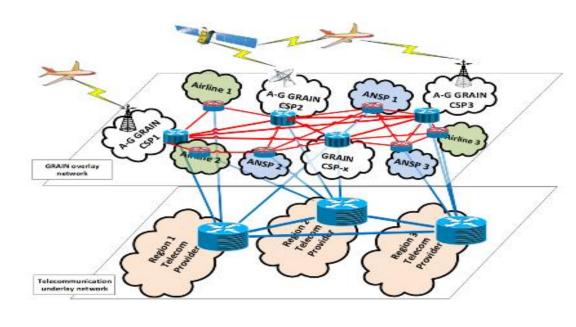
The attack surface



Source: Airbus, ACI, ATAG, EUROCONTROL, IATA, ICAO

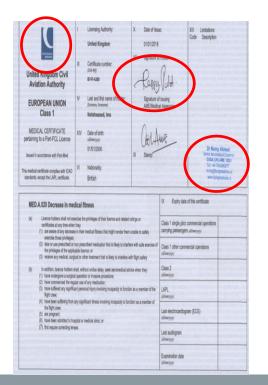








DIGITAL IDENTITY



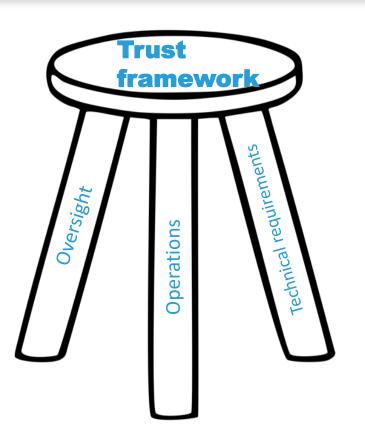






Safety Risk Analysis (SRA) Risk Chart					
Minimum Capability Level	Novice/intermediate				
	Proficient				
	Organized				
	Integrated				
	Institutionalized				
Total Risks:		Minor	Major	Hazardous	Catastrophic
		Safety Impact			
Safety Risk Level	Recommended action				
INTOLERABLE	Take immediate action to mitigate the risk. Perform risk mitigation to ensure that additional or enhanced preventative controls are in place to bring down the safety risk level				
TOLERABLE	Can be tolerated based on the security risk mitigation. It may rquire management decision to accept the risk				
ACCEPTABLE	Acceptable as is. No further risk mitigation required				





 Facilitates trusted exchanges between aviation stakeholders through technical requirements, procedures for operations along with oversight for digital identity and connectivity.



Why?

- International aviation is a global industry that needs global solutions
 - Lack of global alignment results in divergence of policies and technology usage and will result in higher operational costs to all members of the aviation community with possibility to impact also the agreed levels of safety.



THANK YOU!