



CYBER SECURITY AND RESILIENCE SYMPOSIUM

TOWARDS A RESILIENT AVIATION CYBERSPACE

AMMAN, JORDAN | 15-17 OCTOBER 2019

Session 5

Cyber Resiliency Pillars



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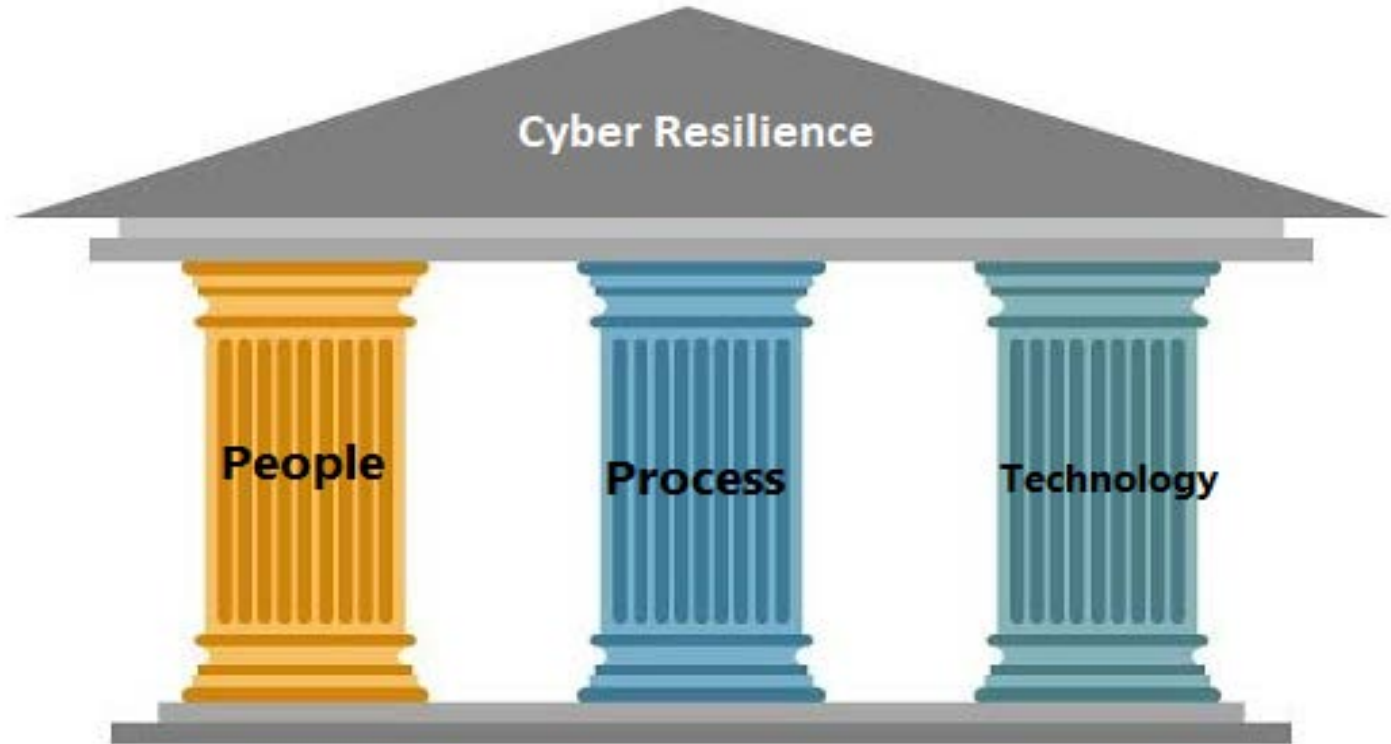
Cyber Resilience Pillars

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Cyber Resilience Pillars





Resilience

"Ability to recover from security compromises or attacks."

ITU-T SG/17

"The ability to prepare for and adapt to changing conditions, and withstand and recover rapidly from disruptions. Resilience includes the ability to withstand and recover from deliberate attacks, accidents, or naturally occurring threats or incidents"

DHS, US



Cyber-Resilience

“The organization's capability to withstand negative impacts due to known, predictable, unknown, unpredictable, uncertain and unexpected threats from activities in cyberspace”

World Economic Forum



Cyber-Resilience Pillars (People)

- 1- everyone in the aviation business needs to be aware of their role in preventing and reducing cyber threats
- 2- recruiting and managing a talent pool of specialized technical cyber security staff.
- 3- learning & Development is paramount for Cyber security staff to stay up to date



Cyber-Resilience Pillars (Leadership)

- Committing to establish a resilient aviation ecosystem.
- Establishing a cyber-secure culture within the organization.
- Prioritizing and resourcing cybersecurity programs
- Driving actively the inter-departmental collaboration to ensure that cyber risks are addressed by the many parts of the organization that are affected.
- Establishing effective governance controls.



Cyber-Resilience Pillars (Leadership)

- Hiring and retaining top cyber security talents
- Qualifying existing workforce with cyber skills and knowledge
- Avoiding viewing cyber risks as a separate technical matter for IT professional
- Promoting that Cyber security is a business issue and everyone has a role to play.



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Aviation Cyber security is everyone's business

