



A.J. Bailey, Information System Security Manger (ISSM)
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Who We are!!

A.J. Bailey

• IT specialist x16 years (GS Civilian and Contractor)

Rai Willis

- Retired Army Logistics Officer
- Air Force Logistics Manager x7 years (Contractor and GS Civilian)

Cyber Of tance

Increased digitization

- New technology has created new vectors of attack
- Digital vs analog

Potential Threats

- Loss of confidence in equipment
- Lack of understanding of what truly is affected and how it relates to safety

Key Components of Aircraft Cyber Security

- Aircraft Systems
 - Critical systems that need protection, such as avionics, communication systems
- Ground Systems
 - Discuss the importance of securing groundbased systems like air traffic control and airline operations centers



Common Aviation Cyber Threats

- Malware and Ransomware: Describe how these can disrupt operations.
- Counterfeit Parts: how do you know?.
- Denial of Service (DoS)
 Attacks: Discuss how these
 attacks can impact aviation
 services.



Strategies for Enhancing Cybersecurity

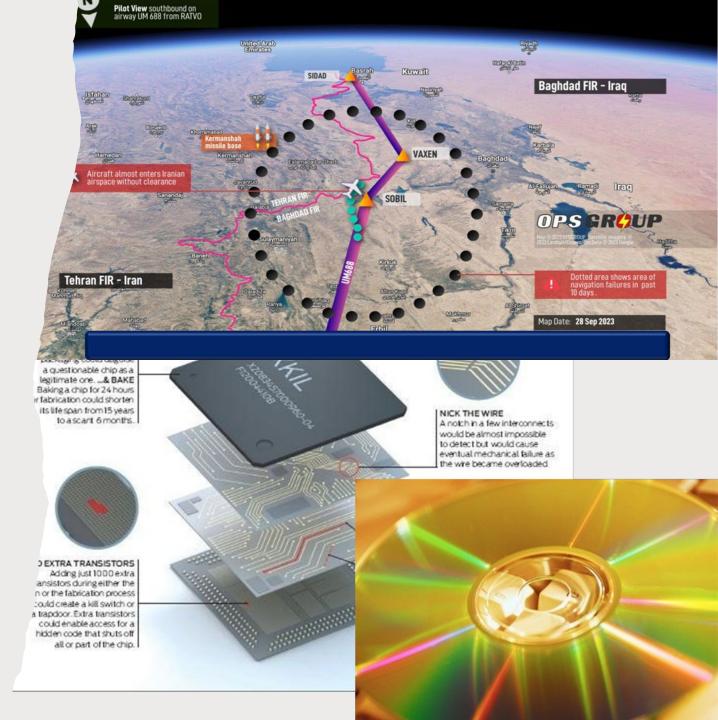
Risk Assessment and Management: Explain the importance of regular risk assessments.

Technology Solutions: Discuss advanced technologies like encryption, intrusion detection systems, and secure communication protocols.

Training and Awareness: Emphasize the need for continuous training and awareness programs for all stakeholders.

Case Studies

- Real-World Incidents: Present examples of past cybersecurity incidents in aviation and their impacts.
- Lessons Learned: Discuss the lessons learned from these incidents and how they have shaped current practices.



Future Trends and Challenges

Emerging Technologies: Explore how new technologies like AI and IoT are influencing aircraft cybersecurity.

Ongoing Challenges: Ongoing challenges in keeping up with evolving cyber threats.

Conclusion





Summary: Here is where we have been!

Call to Action: Now move forward and conquer!!!!



Ask the hard question!

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