

CYBERSECURITY AND RESILIENCE SYMPOSIUM

PROTECTING AVIATION
FROM CYBER ATTACKS

DOHA, QATAR | 6 - 8 NOVEMBER 2023



ICAO MID



Effective Cybersecurity Intelligence and Monitoring Techniques Mitigating Cyber-Attack Impact in International Civil Aviation

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ICAO MID focal point for ANS Cybersecurity

Introduction

- Importance of Cybersecurity in Aviation
- Growing Threats and Risks
- Need for Effective Intelligence and Monitoring

Cybersecurity Intelligence



- Definition and Scope of Cybersecurity Intelligence
- Gathering and Analyzing Threat Intelligence
- Collaboration and Information Sharing

Monitoring Techniques

- Continuous Monitoring and Surveillance
- Network and System Monitoring
- Intrusion Detection and Prevention Systems



Impact Mitigation Strategies

- Incident Response and Management
- Contingency Planning for Cyber-Attacks
- Business Continuity and Disaster Recovery



Best Practices



- Multi-Layered Defense Strategy
- Regular Vulnerability Assessments
- Employee Awareness and Training

International Collaboration

- Importance of Collaboration in Cybersecurity
- International Civil Aviation Organizations
- Sharing Best Practices and Threat Intelligence



Case Studies

- Real-World Examples of Cyber-Attacks in Aviation
- Lessons Learned and Impact Analysis
- Successful Mitigation Strategies

Future Trends

- Emerging Technologies in Cybersecurity
- Artificial Intelligence and Machine Learning
- Proactive Threat Hunting and Predictive Analytics



Panel Discussion: Esteemed Panelists of Session 4



Eng. Fahad Sh. Al-Anzi



Mr. Yousif Al Awadhi



Mr. Pete Cooper

Key Points

THANK YOU

