



# Cybersecurity and Resilience Symposium

(Doha, Qatar, 6 - 8 November 2023)

## WORK PROGRAMME

### Protecting Aviation from Cyber Attacks



**CYBERSECURITY  
AND RESILIENCE  
SYMPOSIUM**

PROTECTING AVIATION  
FROM CYBER ATTACKS

DOHA, QATAR | 6 - 8 NOVEMBER 2023



ICAO MID



**DAY 1: MONDAY – 6 NOVEMBER 2023**

Time	Session Title/Presentation(s)	Moderator/Speakers/Panelists
08:00 09:00	Registration	
09:00 09:40	<b>Session 1.1: Opening Ceremony</b>	
	Introduction and Opening Remarks	<ul style="list-style-type: none"> <li>- Mr. Fahad Al Qahtani, Qatar CAA.</li> <li>- Mr. Mohamed Abubaker, ICAO Middle East Regional Director.</li> </ul>
09:40 10:30	<b>Session 1.2: Setting the Scene</b>	
	<ul style="list-style-type: none"> <li>• ICAO Assembly Resolutions related to Cybersecurity.</li> <li>• ICAO Cybersecurity Strategy, Action Plan &amp; Cyber Resilience Activities</li> <li>• Regional Developments on Cybersecurity</li> </ul>	<ul style="list-style-type: none"> <li>- Ms. Sonia Hifdi, ICAO HQ, Chief Aviation Security Policy</li> <li>&amp;</li> <li>- Mr. Mike Goodfellow, ICAO HQ, Technical Officer.</li> <li>- ICAO MID (Mrs. Samiha Al Busaidi, Regional Officer, Aviation Security &amp; Facilitation &amp; Mr. Mohamed Iheb Hamdi, Regional Officer, Aerodromes and Ground Aids)</li> </ul>
<b>Coffee Break &amp; Group Photo – 30 minutes</b>		
11:00 12:30	<p><b>Session 2: Cyber-attack Governance and effective legislation and regulations: a path to Cyber maturity</b></p> <p>The Panel will discuss the need for national governance and coordination with competent national authority for cybersecurity. The panel will address the necessity of formulating effective legislation and regulations at State's level.</p> <p><b>Moderator: Sonia Hifdi – ICAO HQ</b></p> <p>Main Speakers:</p> <ul style="list-style-type: none"> <li>– Qatar (Mr. Sameer Pawaskar / National Cyber Strategies Department, NCSA)</li> <li>– Saudi Arabia (Dr. Bashar A. Alohal / Cybersecurity Governance Manager, GACA)</li> <li>– TSA-USA (Ms. Carissa VanderMey / Cyber Coordinator)</li> <li>– Oman (Mr. Saif Al Ghafri / Cybersecurity Inspector, CAA)</li> </ul>	
<b>Lunch Break &amp; Prayer – 1 hour</b>		

<b>13:30 15:00</b>	<b>Session 3: Aviation Cybersecurity Framework: to enhance the resilience of aviation infrastructure against cyber threats</b>  The Panel will showcase instances of real cyber-attack against airports, airline, Air Navigation systems and their impact on safety and service disruption. The Panel will discuss Cybersecurity frameworks with the focus on Cybersecurity risk management and threats and vulnerabilities identification. The panel will showcase best practices designed to protect critical aviation infrastructure and assets from cyber threats.  <b>Moderator: Eng. Hussain Qabbani – ICAO MID</b>
	Main Speakers: <ul style="list-style-type: none"><li>– FAA (Mr. Mohammad Kushan / Senior Representative, Abu Dhabi Office of International Affairs)</li><li>– Qatar Airways (Mr. Farhan Chaudhry / VP Cyber Sec Gov, Risk &amp; Cmpl &amp; Aircraft Cyber Sec)</li><li>– Oman (Mr. Saif Al Ghafri / Cybersecurity Inspector, CAA)</li><li>– Mr. Pete Cooper / Managing Partner, Global Head of Partnerships, C5 Capital (<i>Industry</i>)</li></ul>

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**DAY 2, TUESDAY – 7 NOVEMBER 2023**

Time	Topic/Title	Moderator/Speakers/Panelists
09:00 10:30	<p><b>Session 4: Effective Cybersecurity intelligence and Monitoring techniques: to mitigate Cyber-attack impact</b></p> <p>The Panel will highlight the necessity of information sharing on Cybersecurity vulnerabilities, threats, events, and best practices, to reduce the impact of ongoing attacks. The Panel will address the need to develop incident management mechanisms for Cyber-attack and including cybersecurity in national contingency planning. The panel will deliberate effective monitoring tools including establishment of Security operation centers (SOC)</p> <p><b>Moderator: Mr. Mohamed Iheb Hamdi – ICAO MID</b></p>	
<p><b>Coffee Break – 30 minutes</b></p>		
11:00 12:30	<p><b>Session 5: Emergency Response and Contingency Planning</b></p> <p>The Panel will bring together best practices, knowledge and experience related to contingency plans and emergency response in order to help States developing a formal emergency response plan that documents the orderly and efficient transition from normal to emergency operations and return to normal operations.</p> <p><b>Moderator: Mr. Fahad Al Qahtani – Qatar</b></p>	
<p><b>Lunch Break &amp; Prayer – 1 hour</b></p>		
13:30 15:00	<p><b>Session 6: Cybersecurity Case study</b></p> <p>A cybersecurity incident preparedness activity, taking participants through the process of dealing with a simulated incident scenario and providing insight for participants on outcomes.</p> <p><b>Mike Goodfellow</b></p>	
	<b>Q&amp;A</b>	

**DAY 3: WEDNESDAY – 8 NOVEMBER 2023**

Time	Topic/Title	Moderator/Speakers/Panelists
09:00 10:30	<p><b>Session 7: Human Factors in Cybersecurity</b></p> <p>Many recorded cyber-attacks have successfully beaten technical security solutions by exploiting human-factor vulnerabilities related to security knowledge and skills and manipulating human elements into inadvertently conveying access to critical industrial assets. The panel will address the need to build cybersecurity culture as well as the critical role of cybersecurity skills development and capacity building to strengthen cyber resilience.</p> <p><b>Moderator: Mrs. Samiha Al Busaidi – ICAO MID</b></p> <p>Main Speakers:</p> <ul style="list-style-type: none"> <li>– ICAO HQ (Ms. Sonia Hifdi / Chief, ASP Section, ICAO HQ)</li> <li>– UAE (Mrs. Wafa Al Obaidli / Senior Director - Oversight &amp; Inspection, GCAA)</li> <li>– OMAN (Mr. Saif Al Ghafri / Cybersecurity Inspector, CAA)</li> <li>– TSA (Ms. Carissa VanderMey / Cyber Coordinator)</li> </ul>	
<b>Coffee Break – 30 minutes</b>		
11:00 12:30	<p><b>Session 8: Aviation Cybersecurity: Emerging Challenges and Solutions</b></p> <p>In the past decade, technology has reached exponential advancement with rising growth in cybersecurity problems. The Panel will address means to manage this complexity and improve the safety and efficiency of flight operations, the air navigation system and build upon the use of emerging technologies, connectivity, and digital information exchange to increase integration, automation, and cost-effectiveness.</p> <p><b>Moderator: Mr. Pete Cooper – C5 Capital (Industry)</b></p> <p>Main Speakers:</p> <ul style="list-style-type: none"> <li>– ICAO HQ (Mr. Mike Goodfellow / Technical Officer, ICAO HQ)</li> <li>– Qatar (Ms. Bana Alnaemi / National Cyber Governance and Assurance Affairs, NCSA)</li> <li>– TSA (Ms. Carissa VanderMey / Cyber Coordinator)</li> <li>– Mr. Hany Bakr / Senior Vice President Aviation Security &amp; Maritime, MedAire International (Industry)</li> </ul>	
<b>Lunch Break &amp; Prayer – 1 hour</b>		
13:30 14:30	<b>Closing Ceremony</b>	