



# ICAO

## ICAO Asia/Pacific Regional Cybersecurity webinar

Management Framework for CNS/ATM Systems

14 June 2021 (UTC+7)

### Opening Session

Note: All times indicated are in Bangkok Local Time (UTC+7)

08:00 – 08:05	<b>Inauguration</b> <i>Mr. Manjit Singh , Acting Regional Director</i>
08:05 – 08:10	<b>Introduction</b> ✓ Introduction of Participants  <b>Logistics information</b> ✓ Administrative information ✓ Pigeonhole tool instructions  <b>Please download all documents/presentations <a href="#">here</a>.</b>  <b>Please download your Virtual Delegate Bag <a href="#">here</a>.</b>

### Session 1

8:10 – 09:50	<b>Moderator- <i>Mr. LUO Yi, Regional Officer, CNS</i></b>  <b>1. SP101 – ICAO Trust Framework Latest Development</b> <i>Ms. Olga De Frutos Martin and Mr. Michael Goodfellow</i> <i>Technical Officers, Air Navigation Capacity and Efficiency (AN), Air Navigation Bureau, International Civil Aviation Organization (ICAO)</i> <b>Abstract:</b> The goal of this presentation is to provide the audience with the latest updates in the International Aviation Trust Framework (IATF) being developed by ICAO. This would include updates in the information security framework as well as digital identity management system. <b>Question and Answer</b>  <b>2. SP102 – FAA’s contribution to the IATF and Importance of IATF to FAA</b> <i>Mr. Robert Segers</i> <i>NAS Information Systems Security Architect, Member of the ICAO Trust Framework Study Group, Federal Aviation Administration</i> <b>Abstract:</b> The goal of this presentation is to provide the audience with the latest contributions of the FAA to the validation of the International Aviation Trust Framework (IATF) as well as to highlight the importance of the IATF to the FAA. <b>Question and Answer</b>
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	<p><b>3. SP103 – Cyber Safety in ATM</b>  <i>Mr. Shayne Campbell</i>  <i>Safety Programme Manager, CANSO</i>  <b>Abstract:</b> ANSPs must be prepared to secure our systems and to adopt all necessary measures to ensure we continue to provide a highly safe and seamless air traffic services. CANSO recently launched the CANSO Standard of Excellence (SoE) in Cybersecurity, which helps ANSPs assess, develop and improve their cybersecurity in order to provide safe and resilient air navigation services. Developed jointly with ANSP and industry experts, the Standard of Excellence (SoE) contains the cybersecurity maturity model to enable an ANSP to assess its own as well as their suppliers' cybersecurity maturity.  <b>Question and Answer</b></p>
<p>09:50 – 10:10</p>	<p>Refreshment Break + Looping Video by NOKIA</p>
<p><b>Session 2</b></p>	
<p>10:10 – 11:50</p>	<p><b>Moderator-</b> <i>Ms. Soniya Nibhani, Regional Officer, ANS (CNS) Implementation</i></p> <p><b>4. SP201 – Protecting All Systems</b>  <i>Mr. John Moore</i>  <i>Assistant Director, Safety and Flight Operations-ASPAC, International Air Transport Association (IATA)</i>  <b>Abstract:</b> Airlines have many business, financial and administrative systems that require strong cyber protection in order to avoid disruptions. Similarly, and very importantly, airlines possess, utilise and rely on many Communications / Navigation / Surveillance and ATM systems to conduct business safely. Cyber-security must be broad and reliable so as to protect all systems and the data they use and share.  <b>Question and Answer</b></p> <p><b>5. SP202 – DNS Ecosystem Security</b>  <i>Mr. Champika Wijayatunga</i>  <i>Technical Engagement Manager – Asia Pacific, Internet Corporation for Assigned Names and Numbers (ICANN)</i>  <b>Abstract:</b> The Domain Name System (DNS) is a critical part of Internet infrastructure. This presentation will provide an overview of the DNS Ecosystem, various threats and abuses in the DNS and the best practices in protecting the DNS.  <b>Question and Answer</b></p> <p><b>6. SP203 – Building Mutual Trust Infrastructure Based on Block Chain</b>  <i>Mr. Leng Bing</i>  <i>Principal Researcher, Southwest Communications Institute of China</i>  <b>Abstract:</b> This presentation proposes a method of building mutual trust among states in the Asia Pacific region by using block chain technology, which may solve</p>



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	<p>the problem that there is no trusted third party under the current global governance framework.</p> <p><b>Question and Answer</b></p>
<p>11:50 – 12:35</p>	<p><i>Lunch break</i></p>
<p><b>Session 3</b></p>	
<p>12:35 – 14:45</p>	<p><b>Moderator-</b> <i>Ms. Soniya Nibhani, Regional Officer, ANS (CNS) Implementation</i></p> <p><b>7. SP301 – A proactive and systematic approach in protecting digitized air traffic services against cyber threats in Hong Kong from ANSP and regulatory perspective</b>  <i>Mr. Raymond Chan</i>  <i>Senior Electronics Engineer, Civil Aviation Department (CAD), Hong Kong, China</i>  <b>Abstract:</b> The topic will cover the cyber security/resilience measures that Hong Kong CAD has practiced for highly digitized air traffic services systems from both service provider and regulatory perspective.  <b>Question and Answer</b></p> <p><b>8. SP302 – Air Traffic Management Security and Updates on ICAO Cybersecurity Activities</b>  <i>Mr. Remington Low</i>  <i>Regional Officer FAL, Asia/Pacific Regional Office, International Civil Aviation Organization (ICAO)</i>  <b>Abstract:</b> This presentation informs on ICAO security requirements on Air Navigation Service Providers (ANSP) and Air Traffic Management (ATM) and provides an overview on the update of the Cybersecurity Action Plan and on work undertaken by the Secretariat Study Group on Cybersecurity.  <b>Question and Answer</b></p> <p><b>9. SP303 – A Security Solution for Information Services in SWIM</b>  <i>Mr. Tian Yungang</i>  <i>Section Chief, State Key Laboratory of Air Traffic Management System and Technology, China</i>  <b>Abstract:</b> The presentation introduces the security architecture of SWIM information services, and proposes information security measures from the aspects of authentication, authorization, and information verification to improve the security assurance capabilities of SWIM information sharing.  <b>Question and Answer</b></p> <p><b>10. SP304 – Cybersecurity – A vendors perspective</b>  <i>Mr. Binny Sarien</i>  <i>Security Design Authority–Thales Australia – Airspace Mobility Solutions</i>  <b>Abstract:</b> The Effective cybersecurity depends on deliberate planning and preparation in line with the organisational strategy. A fundamental part of</p>



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	<p>planning is maintaining good situational awareness in ATM considering the complex operating environment and multiple stakeholders. Thales are leaders in the cyber security domain and provide solutions and services to ANSPs. This presentation will summarise cyber security from a vendors perspective, highlight key situational awareness aspects and describe what makes a good cyber solution for ANSPs.</p> <p><b>Question and Answer</b></p>
<b>Closing Session</b>	
<b>14:45 – 15:00</b>	<p><b>11. Review Outcomes from Webinar and Closing Remarks</b></p> <p><i>Mr. LUO Yi</i> <i>Regional Officer, CNS</i></p>

*NOTE: This tentative programme is subject to change.*