



ICAO

ICAO Asia/Pacific Regional Webinar
Implementation of ATM Automation System in APAC Region
7th June 2022 (Indochina Time, UTC+7)

Opening Session

09:00 – 09:15

Opening Remarks

Mr. Luo Yi, Regional Officer, CNS

Administrative information

Please download all documents/presentations [here](#)

Webinar Session-1

9:15 – 10:55

Moderator- *Ms. Xie Yulan*

Co-Chair of ATMAS TF

Deputy Director General

North China Regional Air Traffic Management Bureau

Civil Aviation Authority of China

1. SP101 - A Regional Perspective on ATM Automation System Implementation – ICAO

Ms. Zhong Wenhan,

Regional Officer CNS, ICAO APAC Regional Office

Abstract: The goal of this presentation is to share the regional view on ATM automation systems implementation, including the ICAO provisions and requirements regarding ATM automation systems, relevant updates on the Sixth Edition Global Air Navigation Plan (Doc 9750) and APAC Seamless ANS Plan V.3.0 as well as expectations on the transition to future.

Question and Answer

2. SP102– Research and Realization of Continuous Operation on Main and Backup ATM Automation System in China

Mr. Chen Xiaoyu,

Expert of ATMAS

Abstract: ATM automation system is the core system of ATC operation. It is often required to maintain continuous operation in case of emergency. CAAC ATMB has launched a series of solutions and improvement plans for management, personnel, equipment and environment to promote the continuous operation of the Main and Backup ATM automation system. The objective of this presentation is to share the experience and solutions for continuous operation of ATM automation systems in China and provide reference for ICAO APAC.

Question and Answer



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	<p>3. SP103 - Integrated Tower System Technologies for Streamlining Tower Operation - Chinney <i>Mr. Rob Cook</i> <i>Senior Consultant, Chinney Alliance Engineering</i> Abstract: Integrated Tower System (ITS) is an advanced digital technology in ATC which digitizes, automates and integrates various operational data to bring benefits in enhancing safety and operational efficiencies. This presentation introduces evolution of such technology in its past and current state, and the future trend in the ITS.</p> <p>Question and Answer</p> <p>4. SP104 - Practice Sharing of A-SMGCS Lighting Guidance Application in China <i>Ms. Xie Xu</i> <i>Senior Expert of ATMAS</i> Abstract: The goal of this presentation is to provide the practice of A-SMGCS lighting guidance application in China. It also aims to provide experience for ANSPs in ICAO Asia Pacific region to promote the construction and implementation of A-SMGCS Level IV lighting guidance and provide support for the implementation of ICAO ASBU to improve the safety and efficiency of surface operations.</p> <p>Question and Answer</p>
<p>10:55 – 11:10</p>	<p><i>Refreshment Break (Sponsor page from CDATC)</i></p>
<p>Webinar Session-2</p>	
<p>11:10 – 12:50</p>	<p>Moderator - <i>Mr. Kwek Chin Lin</i> <i>Co-Chair of ATMAS TF</i> <i>Chief ATC Specialist (Systems Development)</i> <i>Civil Aviation Authority of Singapore</i></p> <p>5. SP201 - ATM System Interoperability - A Thales Prospect <i>Mr. Li Fei,</i> <i>Innovation Director Aviation and Air Traffic Management Specialist, Thales</i> Abstract: This presentation aims to describe the importance of ATM system interoperability and some of the new technologies which are being developed to enable better system connectivity. After a short appreciation of traditional ATM system interoperability features, the presenter will describe details and features of newer modern ATM systems. Finally, new developments are discussed, giving the audience an appreciation of how ATM systems might interact in the near future using concepts such as SWIM.</p> <p>Question and Answer</p>



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6. SP202 - Integrated AMAN/DMAN/SMAN Technologies for Enhancing ATC Operational Efficiency and Airport Security Services - Frequentis

Dr. Gotthard Ernst Boerger

Director, Products and Strategy, Frequentis

Abstract: While Arrival and Departure Managers (AMAN & DMAN) focus on flight efficiency and sustainable operations, Surface Management (SMAN) provides additional airport security support services. The presentation gives an overview of the functions, possibilities and advantages of the individual tools. The complementary benefits of an Integrated AMAN/DMAN/SMAN (IADS) solution as recommended by ICAO RSEQ ASBU Level 3 will be presented in the session. At the end of the presentation an outlook will be given how future airport operations will benefit from IADS.

Question and Answer

7. SP203 - The Journey Towards Digitalization in ATM - Saab

Mr. Fredrik Lindblom

Sales Director, Saab Air Traffic Management

Abstract: Digitalization of the ATM industry is starting to move faster than ever and it is a paradigm we need to embrace. With increase in operational data being digitized and accessible, higher level of integration and automation will be at the forefront of ATM solutions to enable higher degree in operational efficiency, safety, scalability and flexibility. This presentation introduces the necessary technologies deployed to enable this journey towards tower digitalization and automation with a range of solutions today and for the future.

Question and Answer

8. SP204 –Application of Forewarning Based on CFL – China

Mr. Zhang Jun

Senior Expert of ATMAS

Abstract: With the rapid development of civil aviation in China, the pressure of air traffic control is gradually increasing. Potential conflicts need to be found earlier, so as to have enough time to deal with potential conflicts. A new warning method has been explored to detect the possibility of conflict through more perfect horizontal and vertical model prediction, and reduce the impact of 4D trajectory uncertainty. The forewarning based on the CFL can detect the possibility of conflict in the next 3-5 minutes from the horizontal and vertical directions which can be used as a supplement means of STCA and MTCD, and provide a more powerful and perfect warning function.

Question and Answer



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Closing Session

12:50 – 13:00

Closing Remarks

Mr. Luo Yi, Regional Officer, CNS

*NOTE: This tentative programme is subject to change.
All times indicated are in Local Bangkok Time*