

Bulletin on Technological Events

54th APAC DG Conference - July 7 to 11, Ulaanbaatar, Mongolia

Day 4, 10 Aug; 1100 to 1200

'Runway Safety Solutions Technological Event'

Title: Boeing's approach to enhancing runway safety

Speaker: Capt. Robert Aaron, Senior Safety Pilot, The Boeing Company (25 minutes presentation, 5 mins Q time)

Capt. Robert Aaron, will provide an overview of Boeing's approach to enhancing runway safety through Runway Situational Awareness Tools (RSAT). RSAT represents a suite of tools designed to combat runway excursions, which continue to be a major contributor to commercial aviation accidents. The briefing will cover the RSAT technologies being currently installed on the 737 MAX, as well as retrofit considerations for other Boeing fleets. Capt. Aaron will also address operational strategies that airlines can adopt today to confront the issue and mitigate the threat of runway excursions.

Title: Airbus's runway safety philosophy

Speaker: Dr Logan JONES, Runway Safety Specialist, Airbus – NAVBLUE (25 minutes presentation, 5 mins Q time)

The presentation will cover Airbus's runway safety philosophy which includes in-flight landing distances, Airbus' patented Runway Overrun Prevention System (ROPS) and aircraft as a sensor technology for estimating runway slipperiness. The presentation as a whole elaborates: knowing the right runway condition, performing an in-flight landing distance assessment with the right information, and then ROPS as a safety net.

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'Aviation Security Solutions Technological Event'

Title: SMART SECURITY : An IATA and ACI initiative to enhance security, facilitation and operational efficiency (20 minutes)

Speaker: Mr SL Wong, Head - Technical & Industry Affairs, Airports Council International

Smart Security is a joint ACI/IATA initiative aimed at enhancing operational efficiency of the passenger and cabin baggage security checkpoint based on a risk-based screening method, the smart application of screening technology and process reengineering. This presentation will focus on the applications of screening technology and process reengineering.

Title: ACIs Capacity Building Efforts in Security (10 minutes)

Speaker: Mr SL Wong, Head - Technical & Industry Affairs, Airports Council International

ACI is supportive of ICAO's "No Country Left Behind" initiative. The reason is simple: in a world closely knitted together with a network of international air services, an airport left behind will potentially become the weakest link unravelling the system. The speaker will briefly explain a three-pronged approach that ACI adopts to helping its members in improving standards in airport management, especially in the areas of aerodrome safety and aviation security.

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'ATM Solutions Technological Event'

Title: Benefits of the ASIA PACIFIC AERONAUTICAL NETWORK, CRV. (20 minutes)

Speaker: Frederick Chui, Senior Vice President, Global Data Sales & Pre-Sales, PCCW Global

Presentation will provide an overview of CRV which is a turnkey and reliable IP based network for aviation services. It covers benefits for all States to join the CRV project and highlights the performance, security and safety of the CRV.

Speaker: Erdenebaatar Davaasuren, IFAIMA-APAC Regional Director (10 minutes presentation, 5 min Q time)

The presentation will cover Quality Managed Transition of Aeronautical Information from Legacy Aeronautical Information Services to Digital databases of Aeronautical Information and ensuring the quality of legacy aeronautical information. He will also highlight the importance of transition from legacy aeronautical information into database based aeronautical information as a quality managed manner, challenges that APAC States have faced and proposed solutions.

Title: Aeronautical Information Management (AIM) solutions and ICAO AIXM Compliance (15 Minutes)

Speaker: Norman Nunn – Vice President Avitech GmbH

This 15 minute presentation will provide an overview of Avitech's AIM solution for transitioning to a centralized ICAO required AIXM compliant database of national aeronautical data for use in the automatic publication of the AIRAC cycle AIP, Flight Plan and NOTAM generation and validation, Precision Based Navigation (PBN) solutions and Aeronautical Data Quality.

'UAS Traffic Management Situation'

Andrew Nabarro, ATM Operational Expert, Thales Australia (15 minutes presentation, 5 mins Q time)

The presentation will cover the topic associated to UTM pertaining to the UAS functional and operational domains for civil authorities. It will address the associated considerations required to enable UAS operations in different environments and interaction across different stakeholders. Concluding with a consideration of a high level UAS/UTM operational roadmap.