



Global Air Navigation Industry Symposium (GANIS)

Preparation for the Twelfth Air Navigation Conference

Workshop, Tuesday, 20 September 2011

09:00	Pre- Symposium Workshop Opening Assembly Hall
Workshop Session 1: Overview of ICAO Initiatives	
09:00 – 09:30	<p>Opening Remarks by the Master of Ceremonies:</p> <p>Vincent Galotti, Deputy Director, Safety Standardization & Infrastructure, ICAO</p> <p>ICAO Global ATM Concept & Global Air Navigation Plan</p> <p>Moderator: Tai Feng, Member of the Air Navigation Commission, ICAO</p> <ul style="list-style-type: none"> • Outline of ICAO’s current process and procedures • Speaker: Saulo Da Silva, Technical Officer, ATM, ICAO
Workshop Session 2: ATM Improvement Programmes	
09:30 – 10:00	<p>Brazil</p> <p>Moderator: Tai Feng, Member of the Air Navigation Commission, ICAO</p> <ul style="list-style-type: none"> • A brief introduction of the current ATM improvement programme in Brazil • Speaker: Luiz Cláudio Ribeiro da Silva, Head of Operational Department, DECEA
10:00 – 10:30	Coffee Break

Workshop Session 2: ATM Improvement Programmes (Cont'd)	
10:30 – 11:00	<p>China</p> <p>Moderator: Moussa Halidou, Member of the Air Navigation Commission, ICAO</p> <ul style="list-style-type: none"> • A brief introduction of China's ATM system development vision and current improvement programme • Speaker: Li Xin, Director of Science & Technology Committee Office Air Traffic Management Bureau, CAAC
11:00 – 11:30	<p>India</p> <p>Moderator: Moussa Halidou, Member of the Air Navigation Commission, ICAO</p> <ul style="list-style-type: none"> • A brief introduction of the current ATM improvement programme in India • Speaker: Anil Kumar Dutta, General Manager - Air Traffic Management, Airports Authority of India
11:30 – 12:00	<p>The Russian Federation</p> <p>Moderator: Moussa Halidou, Member of the Air Navigation Commission, ICAO</p> <ul style="list-style-type: none"> • A brief introduction of the current ATM improvement programme in the Russian Federation • Speaker: Eduard Falkov, Head of Department – Chief Designer State Research Institute of Aviation Systems (GosNIIAS)
12:00	Opening of the Exhibition
12:00 – 14:00	Lunch Break

Workshop Session 2: ATM Improvement Programmes (Cont'd)	
14:00 – 14:30	<p>Canada</p> <p>Moderator: Alexander Korsakov, Member of the Air Navigation Commission, ICAO</p> <ul style="list-style-type: none"> • A brief introduction of the current ATM improvement programme in Canada • Speaker: Rudy Kellar, Vice President, Operations, NAV CANADA
14:30 – 15:00	<p>Australia</p> <p>Moderator: Alexander Korsakov, Member of the Air Navigation Commission, ICAO</p> <ul style="list-style-type: none"> • A brief introduction of the current ATM improvement programme in Australia • Speaker: Greg Dunstone, Senior Engineering Specialist, Airservices Australia
15:00 – 15:30	<p>Collaborative Actions for Renovation of Air Traffic Systems (CARATS)</p> <p>Moderator: Alexander Korsakov, Member of the Air Navigation Commission, ICAO</p> <ul style="list-style-type: none"> • A look at the long-term vision for the future air traffic system in Japan • Speaker: Takeshi Imagome, Director, Office of Air Traffic International Affairs, Japan Civil Aviation Bureau (JCAB)
15:30 – 16:00	Coffee Break

Workshop Session 2: ATM Improvement Programmes (Cont'd)	
16:00 – 16:30	<p>Single European Sky ATM Research Programme (SESAR)</p> <p>Moderator: Adel Alaofi, Member of the Air Navigation Commission, ICAO</p> <ul style="list-style-type: none"> • A brief introduction of the current ATM improvement programme in Europe. • Speaker: Patrick Ky, Executive Director, SESAR Joint Undertaking
16:30 – 17:00	<p>Next Generation Air Transportation System (NextGen)</p> <p>Moderator: Adel Alaofi, Member of the Air Navigation Commission, ICAO</p> <ul style="list-style-type: none"> • A brief introduction of the current ATM improvement programme in the United States. • Speaker: Victoria Cox, Senior Vice President for NextGen and Operations Planning, FAA

Symposium Day 1, Wednesday, 21 September 2011

07:30 – 9:00	<p align="center">Continental Breakfast</p> <p align="center"><i>Sponsored by AIRBUS</i></p>
09:00	<p>Opening of the Symposium</p> <p>Assembly Hall</p>
09:00 – 10:00	<p>Welcome and Opening</p> <p>Master of Ceremonies:</p> <p>Vincent Galotti, Deputy Director, Safety Standardization & Infrastructure, ICAO</p> <p>Keynote: Our Collective Challenge</p> <ul style="list-style-type: none"> • The global accident rate is currently flat but the traffic is increasing. • Accidents will also begin to increase, unless we intervene. • The global aviation system needs to evolve. • The evolution towards a future system is unclear. • Over US\$ 120 billion will be spent on new technologies/systems over the next 10 ten years worldwide. • In this session, Industry leaders share their views on the challenges ahead, with a focus on creating aviation’s future system. <p>Keynote Speakers:</p> <ul style="list-style-type: none"> • Raymond Benjamin, Secretary General, ICAO • Matthias Ruete, Director General of Mobility & Transport, European Commission • Michael P. Huerta, Deputy Administrator, FAA

Session 1: Developing Tomorrow's Aviation System...Today

<p>10:00 – 10:30</p>	<p>Creating Operational Improvements Through Aviation System Block Upgrades</p> <ul style="list-style-type: none"> • The ICAO <i>Aviation System Block Upgrades</i> concept will help develop tomorrow's system. • "Block Upgrades" provide a series operational performance improvements, organized into flexible and scalable building blocks. • They can be implemented in a State or region depending on the need and level of readiness. • This session provides an overview of the "Block Upgrades" concept and outlines of the methodology behind it. <p>Speaker:</p> <ul style="list-style-type: none"> • Nancy Graham, Director, Air Navigation Bureau, ICAO
<p>10:30 – 11:00</p>	<p style="text-align: center;">Coffee Break</p> <p style="text-align: center;"><i>Sponsored by MITRE</i></p>

Session 2: Making the Most of What We Have Today

<p>11:00 – 11:30</p>	<p>Today’s Operational Environment and The Challenges</p> <ul style="list-style-type: none"> • The renovation of ATM systems is necessary to safely and efficiently accommodate the increase in air traffic demand. • It is also crucial to respond to the needs of operators, environmental concerns and other issues. • Modernization will provide the greatest operational and performance benefits but many of those benefits could be attained today. • What is preventing us from achieving them? • In this session, Industry experts discuss the challenges associated to the current operational environment. <p>Moderator:</p> <p>Guenther Matschnigg, Senior Vice President, Safety, Operations & Infrastructure, IATA</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Steve Brown, Senior Vice President of Operations, NBAA • Craig J. Spence, Vice President, Operations & International Affairs, AOPA • Alan Stealey, Divisional Senior Vice President Flight Operations, Emirates Airline
<p>11:30 – 12:00</p>	<p>Capabilities Within Our Grasp</p> <ul style="list-style-type: none"> • How can we make the most of what is currently available? • Block “0” is the first of the Block Upgrades that can be introduced. • It optimizes current airborne technologies and provides a baseline for improvements. • This session explores the capabilities that can be implemented today, for short-term benefits. <p>Moderator:</p> <p>Guenther Matschnigg, Senior Vice President, Safety, Operations & Infrastructure, IATA</p> <p>Speaker:</p> <ul style="list-style-type: none"> • Rick Heinrich, NextGen Institute - Technical Team Member & Director, Strategic Initiatives, Rockwell Collins

12:00 – 14:00	<p style="text-align: center;">Lunch Break</p> <p style="text-align: center;"><i>Sponsored by Boeing and Jeppesen</i></p>
<p style="text-align: center;">Session 2: Making the Most of What We Have Today (Cont'd)</p>	
14:00 – 15:30	<p>Capabilities Within Our Grasp (Cont'd)</p> <ul style="list-style-type: none"> • Key players from different segments of the Industry present ways to obtain benefits from capabilities that are currently available. <p>Moderator:</p> <p>Jim Dow, Member of the Air Navigation Commission, ICAO</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Air Transport Aircraft <ul style="list-style-type: none"> ○ Didier Delibes, Senior Manager, ATM Engineering, Airbus ○ Dave Nakamura, Senior Technical Fellow – Boeing Airplane Systems, The Boeing Company • Regional Aircraft <ul style="list-style-type: none"> ○ André Gauthier, Principal Engineering Specialist – Avionics, Bombardier Aerospace • Business & General Aviation Aircraft <ul style="list-style-type: none"> ○ Greg Bowles, Director of Engineering and Manufacturing, GAMA • Ground Automation <ul style="list-style-type: none"> ○ François DeLille, Director of CNS/ATM Product and Business Strategy, Thales Group ○ Carol Huegel, Vice President of Business Development, Advanced Research and Engineering, Metron Aviation • Airport Systems <ul style="list-style-type: none"> ○ Michael Underwood, Director, Business Development, Honeywell International
15:30 – 16:00	<p style="text-align: center;">Coffee Break</p> <p style="text-align: center;"><i>Sponsored by Bombardier</i></p>

Session 2: Making the Most of What We Have Today (Cont'd)	
16:00 – 17:00	<p>Capabilities Within Our Grasp (Cont'd)</p> <ul style="list-style-type: none"> • Panellists from key aviation segments discuss how Block 0 should be organized to prepare deployment. <p>Moderator:</p> <p>Margaret Jenny, President RTCA, Inc.</p> <p>Panellists:</p> <ul style="list-style-type: none"> • Carole Couchman, Technical Officer, IFALPA • Brigadier Luiz Cláudio Ribeiro da Silva, Head of Operational Department, DECEA Brazil • Rob Eagles, Director, Infrastructure Strategy, IATA • Steve Fulton, Technical Fellow, GE Aviation • Matthew Riley, Head of Operational Policy and Evolution, National Air Traffic Services Ltd (NATS) • Ruth Stilwell, IFATCA Representative to ICAO, IFATCA • Robert Sturgell, Senior Vice President, Washington Operations, Rockwell Collins
17:00 – 19:00	<p>Welcome Reception</p> <p><i>Sponsored by GE Aviation</i></p>

Symposium Day 2, Thursday, 22 September 2011

07:30 – 9:00	<p align="center">Continental Breakfast</p> <p align="center"><i>Sponsored by NavCanada and SEARIDGE</i></p>
<p align="center">Session 3: How Will We Create Aviation's Future System?</p>	
09:00 – 09:30	<p>Which New Technologies for Which Benefits?</p> <ul style="list-style-type: none"> In this session, speakers will discuss emerging technologies and the benefits associated to their implementation. <p>Moderator:</p> <p>Christian Schleifer, Member of the Air Navigation Commission, ICAO</p> <p>Speakers:</p> <ul style="list-style-type: none"> Dave Nakamura, Senior Technical Fellow – Boeing Airplane Systems, The Boeing Company Pierre Bachelier, Head of ATM Programme, Airbus
09:30 – 10:00	<p>The Next Step – A Detailed Look at Block 1</p> <ul style="list-style-type: none"> Each Block Upgrade contributes to four performance improvement areas: <ul style="list-style-type: none"> Greener airports Globally interoperable systems and data Optimum capacity and flexible flights Efficient flight path This session presents the modules that are introduced in Block 1 and explains how they relate to each of the areas. <p>Speaker:</p> <p>Steve Bradford, Chief Scientific and Technical Advisor for Architecture and NextGen Development, FAA, and ICAO Technical Team Member</p>

10:00 – 10:30	Coffee Break <i>Sponsored by SAE International</i>
Session 4: Exploring the Near-Term Solutions – Discussions on Block 1	
10:30 – 12:00	<p>Industry Discussion: Is this the Right Direction?</p> <ul style="list-style-type: none"> • Key players share their views on near-term solutions for the evolution of the aviation system, Block 1 of the Block Upgrades, and opportunities or issues associated with developing the needed capabilities. <p>Moderator:</p> <p>David Behrens, Member of the Air Navigation Commission, ICAO</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Air Transport Aircraft <ul style="list-style-type: none"> ○ Andrew Belotserkovsky, Expert of the Joint Stock Company “Consortium for Avionics Manufacturing”, Russian Federation ○ Didier Delibes, Senior Manager, Airbus ATM Engineering, Airbus ○ Chip Meserole, Director, Air Traffic Management Boeing Research & Technology, The Boeing Company • Regional Aircraft <ul style="list-style-type: none"> ○ Fernando Guimaraes, Product Development Manager, Embraer • Business & General Aviation Aircraft <ul style="list-style-type: none"> ○ Mike Mena, Director, Advanced Cockpit Programs, Gulfstream Aerospace • Ground Automation <ul style="list-style-type: none"> ○ Brad Culbertson, Principal Systems Engineer, Lockheed-Martin ○ Bill Lang, Vice President Air Traffic Management, Adacel Inc. • Air Navigation Service Provider <ul style="list-style-type: none"> ○ Gunnar Frisk, Team Manager ANS R&D Products and Services, LFV
12:00 – 14:00	Lunch Break <i>Sponsored by IDS Ingegneria Dei Sistemi SPA</i>

Session 4: Exploring the Near-Term Solutions – Discussions on Block 1 (Cont'd)

14:00 – 15:00	<p>Panel Discussion on Block 1</p> <ul style="list-style-type: none"> • Panellists from key aviation segments discuss how Block 1 should be organized to prepare deployment. <p>Moderator:</p> <p>Andrew Tiede, Member of the Air Navigation Commission, ICAO</p> <p>Panellists:</p> <ul style="list-style-type: none"> • Mark Bradley, Chief Technical Pilot, Delta Air Lines • Steve Brown, Senior Vice President of Operations, NBAA • Carole Couchman, Technical Officer, IFALPA • Jean-François Grout, Director, Future Systems Architecture, Thales • Takafumi Nakada, Director, CNS Planning Office, Air Navigation Services Department, JCAB • Neil R. Planzer, Vice President – Strategy, Boeing Advanced Air Traffic Management, The Boeing Company • Eric Stefanello, CEO, Airbus ProSky
---------------	--

Session 5: Exploring The Longer-Term Solutions - Blocks 2 & 3

15:00 – 15:30	<p>Future Aviation System Performance</p> <ul style="list-style-type: none"> • Each Block Upgrade contributes to four performance improvement areas: <ul style="list-style-type: none"> ○ Greener airports ○ Globally interoperable systems and data ○ Optimum capacity and flexible flights ○ Efficient flight path • This session presents the modules in Blocks 2 & 3 and explains how they relate to each of the areas. <p>Moderator:</p> <p>Farid Zizi, Member of the Air Navigation Commission, ICAO</p> <p>Speaker:</p> <p>Bernard Miaillier, Head of Division - ATM Content Review, EUROCONTROL, and ICAO Technical Team Member</p>
---------------	---

15:30 – 16:00	<p style="text-align: center;">Coffee Break</p> <p style="text-align: center;"><i>Sponsored by Thales Air Systems</i></p>
Session 5: Exploring The Longer-Term Solutions - Blocks 2 & 3 (Cont'd)	
16:00 – 17:00	<p>Panel Discussion on the Longer-Term</p> <ul style="list-style-type: none"> • Panellists from key aviation segments discuss how Blocks 2 and 3 should be organized to prepare deployment. <p>Moderator:</p> <p>Graham Lake, Director General, CANSO</p> <p>Panellists:</p> <ul style="list-style-type: none"> • Alexis Brathwaite, President & Chief Executive Officer, IFATCA • Carlos Cirilo, Assistant Director, Infrastructure Strategy, IATA • Carey Fagan, Executive Director for International Affairs, FAA • Mark Hamy, Vice President of SESAR and NextGen Deployment, Airbus ProSky • Rudy Kellar, Vice President, Operations, NAV CANADA • Michael Standar, Chief ATM, SESAR Joint Undertaking • Geoff Shearer, Business Development Lead, Boeing Advanced Air Traffic Management, The Boeing Company
17:00 – 19:00	<p style="text-align: center;">Cocktail Reception</p> <p style="text-align: center;"><i>Sponsored by</i></p> <p style="text-align: center;"><i>Environmental Systems Research Institute, Inc. (Esri)</i></p>

Symposium Day 3, Friday, 23 September 2011

Session 6: Tomorrow's System: Justifying Spending & Financing Possibilities

<p>09:00 – 10:30</p>	<p>Building a Business Case & Exploring Financing</p> <ul style="list-style-type: none"> • How do we build a global business case to justify investments in future aviation systems? • It must bring identifiable benefits forward for a level of equipage and infrastructure costs. • This session explores possible financing methodologies to support Block Upgrades: <ul style="list-style-type: none"> ○ ICAO's current financing policies ○ Public/private partnerships ○ Other financing methods employed by States ○ Financing via development banks <p>Moderator:</p> <p>Angela Gittens, Director General, ACI</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Russell G. Chew, Managing Partner, NEXA Capital • Cyriel Kronenberg, Assistant Director, Airport & ATC Charges, IATA • Narjess Teyssier, Chief, Economic Analysis & Policy Section, ICAO • Nicolas Warinsko, Senior Policy Advisor, European Commission • Michael Standar, Chief ATM, SESAR Joint Undertaking
<p>10:30 – 11:00</p>	<p style="text-align: center;">Coffee Break</p> <p style="text-align: center;"><i>Sponsored by ACI</i></p>

Session 7: Where Do We Go From Here?	
11:00 – 12:00	<p>Focusing on the Next Steps</p> <ul style="list-style-type: none"> • Agreement on the first series of Block Upgrades is required to bring a level of certainty for all stakeholders in the aviation system and encourage efficient implementation. <p>Moderator:</p> <p>Mervyn Fernando, President of the Air Navigation Commission, ICAO</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Nancy Graham, Director, Air Navigation Bureau, ICAO
Symposium Adjourned	