

PROGRAMME

AND

DIRECTORY



GLOBAL AIR NAVIGATION INDUSTRY SYMPOSIUM



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GLOBAL AIR NAVIGATION INDUSTRY SYMPOSIUM

WORKSHO

WORKSHOP TUESDAY, 20 SEPTEMBER 2011

ASSEMBLY HALL (4th floor Conference Block)

Pre-Symposium Workshop Opening

Workshop Session 1: Overview of ICAO Initiatives

9:00 - 9:30

9:00

Opening Remarks by the Master of Ceremonies:

• Vincent Galotti, Deputy Director, Safety Standardization & Infrastructure, ICAO

ICAO's Vision & Global Air Traffic Management Concept

Moderator:

• Tai Feng, Member of the Air Navigation Commission, ICAO

Outline of ICAO's current process and procedures

Speaker:

•Chris Dalton, Chief, Air Traffic Management, ICAO

Workshop Session 1: Overview of ICAO Initiatives

09:30 - 10:00

The Global Air Navigation Plan

Moderator:

•Tai Feng, Member of the Air Navigation Commission, ICAO

Overview of ICAO's Global Air Navigation Plan and its concepts

Speaker:

Saulo Da Silva, Technical Officer, Air Traffic Management, ICAO

10:00 - 10:30

COFFEE BREAK

Workshop Session 2: ATM Improvement Programmes

10:30 - 11:00

China

Moderator:

 Moussa Halidou, Member of the Air Navigation Commission, ICAO
 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, CAA

| | TUESDAY, 20 SEPTEMBER 2011 (continued) |
|---------------|--|
| | Workshop Session 2: ATM Improvement Programme (Continued) |
| 11:00 — 11:30 | India Moderator: Moussa Halidou, Member of the Air Navigation Commission, ICAO A brief introduction of the current ATM improvement programme in India Speaker: TBA |
| 11:30 — 12:00 | The Russian Federation Moderator: • Moussa Halidou, Member of the Air Navigation Commission, ICAO 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 Programme (Continued)

14:00 - 14:30

Canada

Moderator:

▶ Alexander Korsakov, Member of the Air Navigation Commission, ICAO

A brief introduction of the current ATM improvement programme in Canada

Speaker:

▶ Rudy Kellar, Vice President, Operations, NAV CANADA

14:30 - 15:00

Australia

Moderator:

Alexander Korsakov, Member of the Air Navigation Commission, ICAO
A brief introduction of the current ATM improvement
programme in Australia

Speaker:

Greg Dunstone, Senior Engineering Specialist, Airservices Australia

Workshop Session 2: ATM Improvement Programme (Continued)

15:00 - 15:30

Collaborative Actions for Renovation of Air Traffic Systems (CARATS)

Moderator:

◆ Alexander Korsakov, Member of the Air Navigation Commission, ICAO

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 Programme (Continued)

16:00 - 16:30

Single European Sky ATM Research Programme (SESAR) Moderator:

▶ Daisuke Umezawa, Member of the Air Navigation Commission, ICAO

A brief introduction of the current ATM improvement programme in Europe

Speaker:

▶ Patrick Ky, Executive Director, SESAR Joint Undertaking

Workshop Session 2: ATM Improvement Programme (Continued)

16:30 - 17:00

Next Generation Air Transportation System (NextGen)

Moderator:

◆ Daisuke Umezawa, Member of the Air Navigation Commission, ICAO

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

CONTINENTAL BREAKFAST SPONSORED BY



7:30 — 9:00

9:00 - 10:00

Opening of the Symposium - Assembly Hall

Welcome and Opening

Master of Ceremonies:

 $\textbf{Vincent Galotti}, \ \mathsf{Deputy \ Director}, \ \mathsf{Safety \ Standardization} \ \& \ \mathsf{Infrastructure}, \ \mathsf{ICAO}$

Keynote: Our Collective Challenge

- ▶ 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.

Keynote Speakers:

- ▶ Roberto Kobeh González. President of the Council of ICAO
- ▶ Matthias Ruete, Director General of Mobility & Transport, European Commission
- ▶ Michael P. Huerta, Deputy Administrator, FAA

SYMPOSIUM, DAY 1 (continued)

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

10:00 - 10:30

Creating Operational Improvements Through Aviation System Block **Upgrades**

- The ICAO Aviation System Block Upgrades 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.

Speaker:

Nancy Graham, Director, Air Navigation Bureau, ICAO

10:30 - 11:00



SYMPOSIUM, DAY 1

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

11:00 - 11:30

Today's Operational Environment and The Challenges

- •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.

Moderator:

 Guenther Matschnigg, Senior Vice President, Safety, Operations & Infrastructure. IATA

Speakers:

- ▶ Steve Brown, Senior Vice President of Operations, NBAA
- Craig J. Spencer, Vice President, Operations & International Affairs, IAOPA
- ► Emirates Airline (TBA)

SYMPOSIUM, DAY 1

Session 2: Making The Most of What We have Today

11:30 -12:00

Capabilities Within Our Grasp

- •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.

Speaker:

 Rick Heinrich, Director, Strategic Initiatives, Rockwell Collins and ICAO Technical Team Member

12:00 -14:00



LUNCH BREAK SPONSORED BY



SYMPOSIUM, DAY 1 (continued)

Session 2: Making the Most of What We HaveToday (Cont'd)

14:00 -15:30

Capabilities Within Our Grasp (Cont'd)

•Key players from different segments of the Industry present ways to obtain benefits from capabilities that are currently available.

Moderator:

- Jim Dow, Member of the Air Navigation Commission, ICAO Speakers:
- Air Transport Aircraft

Didier Delibes. Airbus

Joseph McPherson, The Boeing Company

Regional Aircraft

André Gauthier, Bombardier Aerospace

Business & General Aviation Aircraft

Greg Bowles, Director of Engineering and Manufacturing, GAMA

◆Ground Automation

Francois DeLille, Thales Group

◆Airport Systems

TBA

SYMPOSIUM, DAY 1 (continued)

15:30 - 16:00

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16:00 - 17:30

Session 2: Making the Most of What We HaveToday

Capabilities Within Our Grasp (Cont'd)

•Panellists from different segments of the Industry discuss ways to obtain benefits from capabilities that are currently available.

Moderator:

•Margaret Jenny, President RTCA, Inc.

Panellists:

- *Bobby Sturgell
- •Ruth Stilwell, IFATCA Representative to ICAO, IFATCA
- *Carole Couchman, Technical Officer, IFALPA
- Singapore Airlines (TBA)
- CANSO (TBA)
- *DECEA Brazil (TBC)

17:00 - 19:00

WELCOME RECEPTION SPONSORED BY



SYMPOSIUM, DAY 2

7:30 - 9:00

CONTINENTAL BREAKFAST SPONSORED BY



Session 3: How Will We Create Aviation's Future System?

9:00 - 9:30

Which New Technologies for Which Benefits?

In this session, speakers will discuss emerging technologies and the benefits associated to their implementation.

Moderator:

- Christian Schleifer, Member of the Air Navigation Commission, ICAO Speakers:
- ◆Dave Nakamura, Senior Technical Fellow Boeing Airplane Systems, The Boeing Company

Pierre Bachelier, Airbus

SYMPOSIUM, DAY 2

Session 3: How Will We Create Aviation's Future System?(Continued)

09:30 - 10:00

The Next Step – A Detailed Look at Block 1

- Each Block Upgrade contributes to four performance improvement areas:
 - 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.

Speaker:

•Steve Bradford, Chief Scientific and Technical Advisor for Architecture and NextGen Development, FAA and ICAO Technical Team Member

10:00 - 10:30



SYMPOSIUM, DAY 2 (continued)

Session 4: Exploring the Near-Term solutions - Discussions on Block 1

10:30 - 12:00

Industry Discussion: Is This the Right Direction?

Key players share their views on near-term solutions for the evolution of the aviation system, Block 1 of the Block Upgrades, and its impact on their segment of the Aviation Industry.

Moderator:

- ◆ David Behrens, Member of the Air Navigation Commission, ICAO Speakers:
- ◆Andrew Belotserkovsky, Russian Federation
- ◆Air Transport Aircraft

Patrick Schuster. Airbus Industrie

Chip Meserole, The Boeing Company(TBC)

◆Regional Aircraft

TBA

***Business & General Aviation Aircraft**

TBA

Ground Automation

Brad Culbertson, Lockheed-Martin

- CANSO (TBD)
- Airport Systems

TBA

SYMPOSIUM, DAY 2 (continued)

LUNCH BREAK SPONSORED BY



Session 4: Exploring the Near-Term solutions - Discussions on Block 1

14:00 - 15:00

12:00 - 14:00

Panel Discussion on Block 1

Panellists from key aviation segments discuss near-term solutions for the evolution of the aviation system and provide feedback on Block 1 and its impact on States, aerodromes, manufacturers, business & general aviation and airline pilots.

Moderator:

*Andrew Tiede, Member of the Air Navigation Commission, ICAO

Panellists:

- ◆Lufthansa German Airlines (TBA)
- ◆IBAC (TBA)
- ◆Jean Francois Grout, Thales
- Neil R. Planzer, Vice President Strategy, Boeing Advanced Air Traffic Management, The Boeing Company
- Carole Couchman, Technical Officer, IFALPA
- Eric Stephanello, Airbus

SYMPOSIUM, DAY 2 (continued)

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

15:00 - 15:30

Future Aviation System Performance

Each Block Upgrade contributes to four performance improvement areas:

- Greener airports
- Globally interoperable systems and data
- Optimum capacity and flexible flights
- ◆This session presents the modules that are introduced in Blocks 2 & 3 and explains how they relate to each of the areas.

Moderator:

- ◆ Farid Zizi, Member of the Air Navigation Commission, ICAO Speaker:
- Bernard Miaillier, Head of Division ATM Content Review, EUROCONTROL, and ICAO Technical Team Member

15:30 - 16:00

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THALES

SYMPOSIUM, DAY 2

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

16:00 - 17:00

Panel Discussion on the Longer-Term

Panellists from key aviation segments discuss longer-term solutions for the evolution of the aviation system, Blocks 2 and 3 of the Block Upgrades and their impact on airline operations, manufacturers, air navigation service providers, and existing air traffic management modernization programmes.

Moderator:

Graham Lake, Director General, CANSO

Panellists:

- *Cary Fagan, Executive Director for International Affairs, FAA
- ◆SESAR JU (TBA)
- ◆Mark Hamy, Airbus
- ◆ Geoff Shearer, Business Development Lead, Boeing Advanced Air Traffic Management, The Boeing Company
- ◆Copa Airlines (TBA)
- ◆Alexis Brathwaite, President & Chief Executive Officer, IFATCA

17:00 - 19:00

COCKTAIL RECEPTION SPONSORED BY



FRIDAY, 23 SEPTEMBER 2011

SYMPOSIUM, DAY 3

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

09:00 - 10:30

Building a Business Case & Exploring Financing

- +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:
 - ICAO's current financing policies
 - Public/private partnerships
 - Other financing methods employed by States
 - Financing via development banks

Moderator:

◆Angela Gittens, Director General, ACI

Speakers:

- •Patrick Ky, Executive Director, SESAR JU
- •Russell G. Chew, Managing Partner, NEXA Capital
- ◆Ed Lohr, Chief Financial Officer, Delta Air Lines
- Cyriel Kronenberg, Assistant Director, Airport & ATC Charges, IATA
- Aircraft Leasing Perspective (TBA)
- Airline Perspective (TBA)
- Private Financing Perspective (TBA)

FRIDAY, 23 SEPTEMBER 2011

SYMPOSIUM, DAY 3

COFFEE BREAK
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11:00 - 12:00

10:30 - 11:00

Focusing on the Next Steps

◆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.

Moderator:

- ◆ Mervyn Fernando, President of the Air Navigation Commission, ICAO Speakers:
- Nancy Graham, Director, Air Navigation Bureau, ICAO
- *Raymond Benjamin, Secretary General, ICAO

SYMPOSIUM ADJOURNED



ACI

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Airports Council International (ACI) is the association of the world's airports. It is non-profit organization, whose prime purpose is to advance the common interests of airports and to promote professional excellence in airport management and operations. By fostering cooperation amongst airports, world aviation organizations and business partners, ACI makes a significant contribution to providing the travelling public with air transport system that is safe, secure, efficient and environmentally responsible.

Contact: Mr. David Gamper E-mail: dgamper@aci.aero
Website: www.aci.aero



Booth No. 3

ADACEL

Adacel is a leader in real-time air traffic management automation solutions for oceanic, en route, terminal, approach and tower domains. Adacel's Aurora ATM systems provide cost effective solutions that improve airspace efficiency, enable higher levels of service to airspace users and reduce the environmental impact of aviation. Aurora integrates all surveillance sources including radar, ADS-B, ADS-C and Multilateration with advanced conflict detection features and automation tools for the controller.

Aurora ATM includes trajectory based capabilities that are envisaged as part of NextGen and SESAR programs and is fully compliant with the new ICAO flight plan format.

Contact: Mr. Bill Lang E-mail: Bill.lang@adacel.com
Website: www.adacel.com



AERONAV INC.

Booth No. 11

The Aeronav Group specializes in Integrated Air Traffic Control (ATC) and ground-based Radio Navigation Aids (NavAids) solutions. We provide system design, integration, installation, training, maintenance services and turnkey solutions for ATC Communications Equipment, Navaids, Control Tower Design and Construction, Control Tower Cabins as well as Mobile Control Towers and systems.

Contact: Mr. Benoit Couture E-mail: info@aernavgroup.com www.aeronavgroup.com



AIRBUS S.A.S.

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Booth No. 24

Airbus is a leading aircraft manufacturer whose customer focus, commercial know-how, technological leadership and manufacturing efficiency have propelled it to the forefront of the industry. With solutions that have become world standards, Airbus has played a key role in the air transport industry's evolution.

Today Airbus is participating in ATM development and standardization through various organizations, including ICAO, EUROCAE/RTCA and as a member of the 'Single European Sky ATM Research' (SESAR) EU Joint Undertaking (JU). Airbus is actively taking a leading role in the definition of next generation Air Traffic Management which will require more interactions and cooperation between the aircraft and the ground. Airbus is an EADs company.

Contact: Mr. Marc Hamy E-mail:Marc.Hamy@airbus.com Website:www.airbus.com

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AVITECH AG

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Booth No. 10

Avitech AG is a systems and service provider for CIV/MILANSPs, Defence and Civil Aviation Authorities, and Airlines and is specialized in civil and military AIM and Data, Flight Planning, Procedure Design Integration and Messaging solution. A key component of Avitech's solutions is the interface between civil and military AIM systems and networks. Avitech develops and markets its own software products since more than 30 years. The company operates with 80 plus engineering workforce from four locations in Germany and Slovakia for more than 20 civil and military customers in more than 20 countries on 4 continents. The main product lines of Avitech are the eWiz@rd Suite for Aeronautical, Obstacle and Terrain Data, AIP/FLIP, Charts, and Aerodrome Mapping Databases (AMDB), the AviSuite AIS, Flightplanning and Aeronautical Message Handling System, the Aeronautical Data Exchange Layer (AxL) to support the SWIM Concept. The latest product developments are the AIM and Briefing Portal solutions. Avitech products are available as ruggedised solution for deployment and usable for mission planning.

Contact: Peter Rudolph E-mail: Peter.Rudolph@avitech-ag.com Website: www.Avitech-AG.com www.eAIP.info



THE BOEING COMPANY AND JEPPESEN

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Booth No. 14 and 15 The Boeing Air Traffic Management team is working with the Federal Aviation Administration (FAA), Joint Planning and Development Office (JPDO) and international air traffic management agencies to improve the world's air traffic system. Objectives are to make flying safer and more secure, increase capacity, dramatically reduce congestion and delays, and keep aviation affordable and accessible. The Boeing ATM concept has several defining features: precision aircraft trajectories, system-wide information management architecture, network-enabled operations; and global interoperability

Contact:.Mr. Geoffrey Shearer E-mail: geoffrey.l.shearer@boeing.com www.boeing.com

For over 75 years Jeppesen has made it possible for pilots and their passengers to safely and efficiently reach their destinations. As the world's largest publisher of aviation data and the leader in charting and aviation data management, Jeppesen enables safe, efficient flight through a portfolio that includes navigation solutions; airspace and procedure design, analysis, simulation and modeling; training; crew and fleet scheduling; and optimization solutions.

Jeppesen delivers proven, industry leading solutions enabling evolution to support the NextGen & SESAR vision, including procedure design, certification and consulting services; simulation and modeling tools and obstacle evaluation services..

A subsidiary of The Boeing Company, Jeppesen operates from nearly 50 offices worldwide.

Contact:. Mr. Matthew Ream E-mail: matthew.ream@jeppesen.com www.jeppesen.com/qia

BOMBARDIER

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Headquartered in Montreal, Canada, Bombardier Aerospace is the world's third largest civil aircraft manufacturer, with engineering and manufacturing operations based in the United Kingdom, United States, Mexico and Canada. Recognized as the leader in the business jet and commercial airliner segments, Bombardier is currently proceeding as scheduled with the design and development of three all-new aircraft platforms the CSeries single-aisleairliner family, the Learjet 85 midsize business jet, and the large long-range Global 7000/8000 aircraft. Bombardier Inc. is a global corporation headquartered in Canada. Its revenues for the fiscal year ended January 31, 2011, were \$17.7 billion, and its shares are traded on the Toronto Stock Exchange (BBD). Bombardier is listed as an index component to the Dow Jones Sustainability World and North America indexes. News and information are available at www.bombardier.com or follow us on Twitter @BombardierInc.

Contact: Mr. Leo Knaapen E-mail: leo.knaapen@aero.bombardier.com Website: www.bombardier.com



Booth Nos. 26 and 27

CANSO - THE CIVIL AIR NAVIGATION SERVICES ORGANISATION

CANSO the Civil Air Navigation Services Organisation is the global voice of the companies that provide air traffic control, and represents the interests of Air Navigation Service Providers worldwide. CANSO Members are responsible for supporting over 85% of world air traffic, and through our Workgroups, members share information and develop new policies, with the ultimate aim of improving ANS on the ground and in the air. CANSO has an extensive network of Associate Members drawn from across the aviation industry, and we represent our members' views in major regulatory and industry forums, including at ICAO, where we have official Observer status.

Contact: Mr. Eugene Hoeven Mr. Rob Hutchison

E-mail: Eugene.Hoeven@CANSO.org Robert.Hutchison@canso.org



EUROPEAN AVIATION SAFETY AGENCY (EASA)

The European Aviation Safety Agency is the centrepiece of the European Union's strategy for aviation safety.

Our mission is to promote the highest common standards of safety and environmental protection in civil aviation.

Air transport is one of the safest forms of travel. As air traffic continues to grow, a common initiative is needed at the European level to keep air transport safe and sustainable. The Agency develops common safety and environmental rules, monitors the implementation of standards through inspections within Member States and provides the necessary technical expertise, training and research. EASA works hand-in-hand with the national aviation authorities, which continue to carry out many operational tasks such as the certification of individual aircraft or the licensing of pilots.

Contact: Mr. Jeremie Teahan E-mail: communications@easa.europa.eu Website: www.easa.europa.eu

Booth No. 18



Booth Nos. 12 and 13

ESRI

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Esri is a leader in geographic information systems (GIS). Civilian and Military organizations demand standardized products and automation, Esri brings our Aeronautical Solution, 3D Analyst and Tracking Server technology with the ArcGIS platform and cloud environment that addresses these challenges. With ArcGIS you can manage your aeronautical information and produce data while interoperating with TERPS tools, PANSOPS and AIP applications. Utilities are provided to exchange data in formats including AIXM. Defense agencies, aviation authorities and contractors, civil aviation authorities as well as commercial chart producers turn to Esri solutions and web services for visualization, analysis and production of their aeronautical information worldwide.

Contact: Mr. Eric Westreich E-mail: ewestreich@esri.com Website: www.esri.com/aero



Booth No. 16

EUROCONTROL

EUROCONTROL, the European Organisation for the Safety of Air Navigation, is an intergovernmental organisation made up of 39 Member States and the European Community.

Founded in 1960, EUROCONTROL is a civil-military organisation that supports its member States to achieve safe, efficient and environmentally-friendly air traffic operations across the whole of the European region.

The Agency plays a pivotal role in Europe by working together with all aviation partners to help to deliver the safety, capacity and performance challenges of European aviation in the 21st century.

EURCONTROL has recently been restructured to make sure its activities are tailored towards working with the European Union on the Single European Sky that will deliver the air traffic management performance required for the twenty-first century and beyond.

Contact: Ms. Kyla Evans E-mail: kyla.evans@eurocontrol.int Website: www.eurocontrol.int



Booth No. 21

FAA ACADEMY

The Federal Aviation Administration's Academy and Aeronautical Navigation Products Directorate partnership program provides a full scope of instrument flight procedures training. Courses are available in ICAO PANS-OPS and FAA TERPS criteria. This training focuses on all aspects of flight procedures, covering everything from short overviews to detailed training on RNAV/RNP.

Contact: Mr. Steve Blue E-mail: Steve.blue@faa.gov Website: www.academy.faa.gov/internationaltraining

FREQUENTIS

FREQUENTIS AG

The core business of Frequentis are highly-available communication and

Booth No.19

information solutions for the civil air traffic management market. Frequentis is the global market leader in communication systems for air traffic control. smartAIM, the smart aeronautical information management solution from Frequentis, is used by CAAs, ANSPs and military organisations around the world to manage aeronautical static and dynamic information and to provide this information to their clients - e.g. airlines, private pilots or data integrators. smartAIM manages information about aeronautical infrastructure, weather, flight plans and any other events relevant for airlines and other aircraft operators.

Contact: Mr. Hannes Bernd Brunner E-mail: Hannes.Bernd.BRUNNER@frequentis.com Website: www.frequentis.com



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GE AVIATION

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GE Aviation's Systems business is pushing the boundaries of aviation with pioneering solutions in next-generation Air Traffic Management. Building on the knowledge gained from nearly a century of aircraft engine manufacturing, we're using fresh, creative thinking to build total system optimization. Our dedication to the industry is demonstrated by our mission to find innovative ways to make aviation more efficient and environmentally responsible. With a broad range of integrated mechanical, power and avionics systems, GE is bringing the future of flight to today's aircraft.

Contact: Mr. Neil Siddons E-mail: Neil.siddons@ge.com Website: www.qeaviation.com



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IDS is an independent system engineering company operating in both defence and civilian fields with its staff of three hundred, mostly graduated in electronics, electromagnetic and aerospace engineering. IDS has been providing high technology engineering consultancy and integrated software and hardware system solutions since it was founded in 1980. The company is organised into four business lines, focused on:

NAVAL DIVISION: Supports and advises navies, shipyards and the naval industry in optimising the electromagnetic (EM) performance of naval platforms. AERONAUTICAL DIVISION: Provides aeronautical industries and defence ministries with comprehensive engineering support including software tools and consultancy services.

AERONAVIGATION DIVISION: Supports civil and military aviation agencies and air navigation service providers with integrated systems for instrument flight procedure design and ground validation.

GEORADAR DIVISION: designs, manufactures and sells its comprehensive suite of Ground Probing Radar equipment for performing non- destructive investigations for surveying utilities buried under roads, buildings and bridge structures and archaeological sites.

Contact: Mr. Alberico Parente E-mail: s.petrini@ids-spa.it Website: www.idscompany.it



IRIDIUM COMMUNICATIONS INC.

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Only the Iridium network offers real global coverage, presenting the opportunity to extend and enhance the terrestrial ADS-B infrastructure to provide continuous coverage over oceans and Polar Regions. The Iridium network also compliments terrestrial coverage in remote areas with redundancy and lower altitude operations. Iridium voice and data products provide superior communications solutions that allow global companies, government agencies and individuals to stay connected everywhere. With a unique, global ecosystem of partners, Iridium continues to create new, high-value capabilities that are leading the world into a new era of communication.

Contact: Dr. Om P. Gupta E-mail: Om. Gupta@iridium.com Website: www.iridium.com

MITRE

MITRE

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The MITRE Corporations Center for Advanced Aviation System Development is a world-class, independent, not-for-profit research and development center dedicated to improving the capacity, safety, security and efficiency of aviation worldwide. MITRE has worked closely with the FAA and international customers for over 50 years. MITRE's aviation work focuses on advancing global harmonization, solving challenging operational problems, assisting with aviation infrastructure development, and prototyping new technology. Additionally, MITRE works on measures to increase airport and airspace capacity, while minimizing environmental impacts, and conducts collaborative research with the aviation industry.

MITRE's expansive laboratory capabilities combine the newest technology with sophisticated modeling and simulation to help solve customer challenges.

Contact: Mr. Bob Humbertson

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Website: www.mitre.org





Booth No. 20

NAVCANatm AND SEARIDGE TECHNOLOGIES INC.



NAVCANatm technology solutions provide fast, reliable access to critical airport, tower and terminal information, offering a high level of functionality and ease of use. The NAVCANsuite automation system transforms tower operations making it safer and more efficient. NAVCANlink applications give a near real-time view of radar, traffic, weather, lighting and navaid status. It's used by airport and airline operations and others for analysis and collaborative decision making.

The integrated Searidge Technologies Intelligent Video solution with radar-like tracking provides a clear view of aircraft and vehicles on the ground, helping to effectively manage traffic with a high degree of confidence.

Contact: Mr. Rob Cook E-mail: Rob.Cook@navcanatm.ca Website: www.NAVCANatm.ca

SPONSORS AND EXHIBITORS



SAE International



Booth No. 25

A legacy of standards development, administration, and harmonization with direct and related experience in air traffic management, SAE publisher of the internationally accepted AS, AMS, AIR and ARP documents is uniquely positioned to support industry in the evolving ATM arena, especially in the area of human factors and cockpit interface.

Contact: Ms. Laura Feix E-mail: Ifeix@sae.org
Website: www.sae.org

SESAR Joint Undertaking



The SESAR programme is one of the most ambitious research and development projects ever launched by the European Community. It is the technological and operational dimension of the Single European Sky (SES) initiative to meet future capacity and air safety needs.

Given its complexity, a legal entity was founded by the European Commission and Eurocontrol, to coordinate and concentrate all relevant research and development efforts in the Community.

Booth No. 17

The mission of the SESAR Joint Undertaking is to develop a modernised air traffic management system for Europe. This future system will ensure the safety and fluidity of air transport over the next thirty years, will make flying more environmentally friendly and reduce the costs of air traffic management.

Contact: Mr. Patrick Ky

E-mail: info@sesarju.eu

Website: www.sesarju.eu

SPONSORS AND EXHIBITORS



SkyGuide

Booth No. 8

Swiss air navigation service provider SkyGuide specialises in providing simple and solid solutions for both civil and military customers. Based on expertise in the field of ATM, AIM and CNS skyguide helps you identify your requirements and develop customised solutions from a single source.

Our experience in managing complexity will be played to your advantage in four different fields:

Operational solutions to cope with upcoming challenges; technology solutions with SkySoft-ATM to combine human performance and technical eloquence; training solutions to provide the aviation community with high-quality service and business solutions for an effective and successful interaction among the systems.

Contact: Mr. Mathias Burtscher E-mail:atmsolutions@skyguide.ch Website: www.skyguide.ch

SPONSORS AND EXHIBITORS

THALES

THALES AIR SYSTEMS

BRONZE SPONSOR

Booth No. 9

Thales is world leader in both ATM systems and avionic solutions for the commercial aerospace market.

In the ATM domain, Thales offers integrated gate-to-gate solutions, from pre-flight to landing, ensuring airport safety, efficient traffic handling operations, data sharing on aircraft and seamless handover operations between territories.

In the Avionics domain, Thales provides its customers with all systems, subsystems, equipment, support and services for: flight management, navigation, communication, surveillance, electrical systems, cabin furnishing with "floor to floor" solutions, In-Flight Entertainment systems, training and simulation equipments.

Thales plays a leading role in the most ambitious global aerospace programmes such as SESAR, NEXTGEN and CLEANSKY.

Thales has a unique position in covering all segment activities: Ground, Air and Space.

Contact: Mr. François Delille E-mail: françois.delille@thalesgroup.com Website: www.thalesgroup.com



MEDIA PARTNERS



Air Transport News (ATN)
Website: www.airtransportnews.aero



Airportdata.aero Website: www.airportdata.aero



Anna.aero Website: www.anna.aero



ATC Global www.atcglobalhub.com



Just4Airlines.com Www.just4airlines.com



SUPPORTING ORGANIZATIONS



Airports Council International (ACI) www.aci.aero



CANSO - The Civil Air Navigation Services Organisation Website: www.just4airlines.com



European Aviation Safety Agency (EASA) Website: www.easa.europa.eu



EUROCONTROL Website: www.eurocontrol.int



Flight Safety Foundation Website: www.flightsafety.org



International Air Transport Association (IATA) www.iata.org

SUPPORTING ORGANIZATIONS



The International Business Aviation Council (IBAC) www.ibac.org



The International Coordinating Council of Aerospace Industries
Associations (ICCAIA)
www.iccaia.org



International Federation of Air Line Pilots' Associations (IFALPA)
Website: www.ifalpa.org

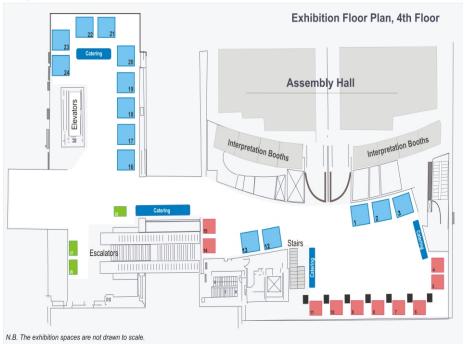


International Federation of Air Traffic Controllers' Associations (IFATCA)
Website: www.ifatca.org

EXHIBITION FLOOR PLAN



Global Air Navigation Industry Symposium, ICAO Headquarters, Montréal, 20-23 September 2011



LIST OF EXHIBITORS

- 1.
 GE Aviation
 15. The Boeing Company and Jeppesen

 2.
 GE Aviation
 16. EUROCONTROL

 3.
 Adacel
 17. SESAR

 4.
 IDS Ingegneria
 18. EASA

 5.
 IDS Ingegneria
 19. Frequentis A.G.
- 6.
 7. Iridium Communications Inc.
 8. SkyGuide
- SkyGuide
 Thales Air Systems
 Avitech AG
 Aeronay Inc
- 11. Aeronav Inc
 24. Airbus S.A.S

 12. ESRI
 25. SAE International

 13. ESRI
 26. CANSO
- 14. The Boeing Company and Jeppesen 27. CANSO

22.

23.

20. NAVCANatm and Searidge

Technologies Inc.

21. FAA Academy

Registration of Participants

All participants are required to register. Upon registration, participants will be issued an ICAO security pass which will be needed to access the Conference Centre.

Identification of Participants and Security

The ICAO security pass must be worn visibly at all times while on the premises. Security guards have strict instructions not to allow access to the ICAO premises or to the conference rooms to persons not wearing a pass. Although special care should be taken not to lose these passes, registration personnel will provide replacements upon proper identification.

Meeting Arrangements

Presentations

Presentations will be posted on the ICAO Global Air Navigation Industry Symposium Web site (http://www.icao.int/GANIS).

Languages

Facilities for simultaneous interpretation from and into Arabic, Chinese, English, French, Russian and Spanish will be available.

Technical support

Technical support for the configuration of participants' portable computers will be provided by ICAO's Information Technology staff.



Wireless Internet Access WiFi

Access to a public wireless network is available throughout ICAO's facilities. Using the public wireless network, users with computer equipment compatible with WiFi 802.11b/g/n will get access to the Internet

Below are the specifications for ICAO's public wireless network:

Wireless network: Public@Intl. Civil Aviation

UserID: Guest Passphrase: GANIS

Under normal circumstances, users of Windows 2000 and XP will not have to set any special

configuration parameters. For technical assistance call extension 8248.

Smoking

Smoking is not permitted at ICAO Headquarters.

Ancillary Services Provided by ICAO

Lost and Found

Lost articles should be reported to the office of the Chief, Conference and Office Services Section, telephone extension 8227. Any articles found should be handed to the Security Desk.

Medical Services

The Medical Consultant's office is located on the fourth floor, Room 4.25, telephone extension 8212. A nurse will be on duty at that location from 0830-1630 for the duration of the event. If an emergency occurs and if the nurse cannot be reached, the Social Security and Welfare Unit, also located on the fourth floor, Room 4.35.28, telephone extension 8236 or 8237, will take appropriate action to obtain medical assistance. Participants seeking medical attention can obtain from their hotel management the location and telephone number of a doctor in their hotel or nearby. The closest hospital to the ICAO premises is the McGill University Health Centre, telephone 514-934-1934.

Most hospitals have an emergency service open 24 hours a day.

Ambulance service may be obtained through a doctor or Urgences-Santé, telephone 911.

Telephone Services

The ICAO general telephone number is 514-954-8219.

Telephones for use within the Organization and for local calls in the Montreal area may be found on each level of the Conference Centre. When calling an extension within the Organization the four-digit extension may be dialled directly. When making a local call outside the building, "9" must be dialled before the outside number. The internal telephones located in the Conference Centre cannot be used for direct long-distance calls. Long-distance calling cards may be purchased from the telephone operator on the fourth floor.

The use of cellular phones is prohibited in all conference rooms.

Other Services

Banking Facilities

The following banks are conveniently located relatively close to the ICAO premises:

National Bank of Canada 600 de la Gauchetière West 514-394-4385

Canadian Imperial Bank of Commerce 1155 René-Lévesque West 514-876-2323

Royal Bank of Canada 1 Place Ville-Marie 514-874-7222

TD Canada Trust 500 Saint-Jacques West (corner of McGill) 514-289-0799

City Bus and Metro Services

Public transportation by bus and metro is operated as an integrated system within the city limits and transfers may be made at designated points. Individual tickets as well as one-day and three-day passes can be purchased in advance at metro stations (not on the bus). All buses are the "pay-as-you-enter" type with the exact fare demanded (no change is given) or a ticket /pass. Route and fare information may be obtained by calling 514-288-6287.

Newspapers and Magazines

Indigo Bookstore, located at 1500 McGill College Avenue, off Sainte-Catherine Street, carries a wide range of international newspapers, magazines and other publications, including street maps. The ICAO Library subscribes to major aviation-oriented magazines and periodicals. Participants are invited to avail themselves of the ICAO Library facility located in the lobby.

Tourist Information

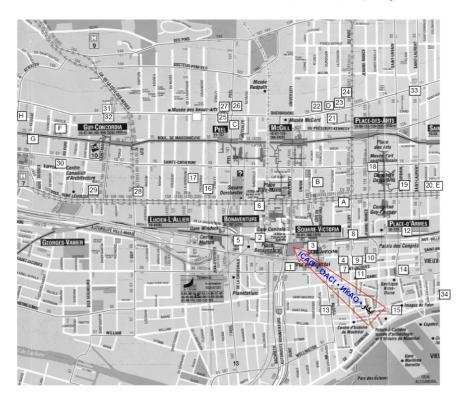
All major hotels provide tourist information on points of interest in Montreal and vicinity, excursions, cultural and sporting events and other activities. Tourisme Québec, located at the Centre Infotouriste at 1001 Square Dorchester (between Peel and Metcalfe Streets, one street south of Sainte-Catherine Street) offers tourist information for Montreal as well as for the entire province. It can be reached at 514-873-2015 every day from 09:00 17:00 or via its website: http://www.tourisme.gouv.gc.ca.

Transportation to Pierre Elliot Trudeau Airport (Dorval)

Special bus service from major downtown hotels is available from 05:00 23:00. Arrangements can be made and prices obtained through the hotel management.



MONTRÉAL DOWNTOWN — CENTRE-VILLE — CENTRO DE LA CIUDAD — ЦЕНТР ΓΟΡΟДА — وسط المدينة





International Civil Aviation Organization



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