



Air Navigation: Flying through Congested Skies A Worldwide Symposium



27 to 29 September 2006
ICAO Headquarters
Montréal, Canada

PROGRAMME



ASSOCIATES



THE INTERNATIONAL AIR TRANSPORT ASSOCIATION



THE WORLD BANK

A Worldwide Symposium
Finance, Technology, Regulation and Policy
of Air Navigation



Air Navigation: Flying through Congested Skies

WEDNESDAY, 27 SEPTEMBER

17:30 - 20:00 Registration

18:30 - 20:00 Welcome Reception – ICAO Delegates' Lounge – Sponsored by:



THURSDAY, 28 SEPTEMBER

07:30 - 16:00 Registration

08:30 - 08:45 INTRODUCTION AND WELCOMING REMARKS

Taïeb Chérif — Secretary General, International Civil Aviation Organization

Paul Stephen Dempsey — Director, McGill University Institute of Air and Space Law

08:45 - 09:15 CONGESTION

SETTING THE STAGE: THE CHALLENGE OF OPERATIONAL SAFETY, EFFICIENCY & ECONOMY IN CONGESTED AIRSPACE

Chair:

Carol J. Carmody — Director, Transportation Initiatives at the National Academy of Public Administration

Speakers:

Victor M. Aguado — Director General, Eurocontrol

Russell Chew — Chief Operating Officer, Air Traffic Organization, U.S. Federal Aviation Administration

- What is the projected growth of air traffic?
- Where are the most congested corridors?
- What are today's constraints on growth?
- How do we maintain and improve safety?
- How do we reduce congestion, cost, fuel burn and delay?

09:15 - 10:30 TECHNOLOGY

WHAT ARE THE OPPORTUNITIES OF NEW TECHNOLOGY?

Chair:

Robert A. Pearce — Deputy Director, NGATS, Joint Planning and Development Office, FAA

Speakers:

Michael S. Lewis — Director, Business Development, Advanced Air Traffic Management, Boeing

Peter Potocki de Montalk — Director, Air Traffic Systems, Airbus

Capt. Miguel A. Mariñ — Chairman, Air Traffic Services Committee, IFALPA

David Russell — Vice President, Airline Operations and AIRCOM Services, SITA Inc.

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- ▶ How can technology improve operational efficiency and expand capacity while maintaining high levels of safety?
- ▶ How do we meet the challenge with our current satellite and ground-based technology?
- ▶ What shall be the role of GPS and other space based navigation systems?
- ▶ What are the benefits of satellite vs. ground-based communications?
- ▶ What potential safety hazards will a growing number of space launches pose for air navigation?
- ▶ How can ANS help reduce fuel burn?
- ▶ Do we need a legal framework governing CNS/ATM systems including GNSS?

REFRESHMENT BREAK - Sponsored by:

10:30 - 10:45

K R E I N D L E R & K R E I N D L E R L L P
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EFFICIENCY, SAFETY & SERVICE PROVISION

10:45 - 12:15

Chair:

Siew Huay Tan — Legal Director, Civil Aviation Authority of Singapore

Speakers:

Glen J.D. McDougall — President, MBS Ottawa Inc.

Steve James — General Manager of European Development, NATS

Wrenelle Stander — Chief Executive Officer, Air Traffic and Navigation Services Company, South Africa

Capt. Murray Warfield — General Manager, Regulatory and Industry Affairs, QANTAS Airways Ltd.

- ▶ What is the ANSPs role in the air transportation value chain?
- ▶ What is the room for a "business approach" of ANS and how to implement it?
- ▶ How do we evolve towards a customer oriented approach of ANS?
- ▶ How do we achieve ANSP interoperability?
- ▶ Shall there be competition, cooperation or consolidation of air service providers?
- ▶ What is the current status of air space management?
- ▶ How much air space separation is needed?
- ▶ How can private, military and commercial flight coexist safely in the same airspace?
- ▶ How can congestion relief reduce environmental degradation?
- ▶ Case studies: Europe, Asia, Africa, USA
- ▶ Who should determine the performance targets for ANSPs?



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12:15 - 13:45 LUNCH / KEYNOTE ADDRESS ICAO Delegates' Lounge

Guenter Matschnigg — Senior Vice President, Safety Operations & Infrastructure,
International Air Transport Association

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13:45 - 15:00 REGULATION AND AIR SPACE MANAGEMENT: PANEL DISCUSSION

Chair:

Kenneth P. Quinn — Pillsbury Winthrop Shaw Pittman; General Counsel, Flight
Safety Foundation

Speakers:

Ruwantissa Abeyratne — Air Transport Bureau, ICAO

Rob Eagles — Acting Director, Safety Operations & Infrastructure, IATA

Ben van Houtte — Head of the Unit, Air Traffic Management & Airports, European
Commission

Richard Janda — Associate Professor, McGill University Institute of Air & Space Law

Ashley Smout — Chief Executive Officer, Airways New Zealand

- ▶ Should scarce resources be efficiently allocated through congestion-based pricing, slot auctions, or average aircraft size restrictions?
- ▶ What are the pro's and con's of the regulator being separated from the operator?
- ▶ What should be the appropriate funding responsibilities among commercial, business, and general aviation?
- ▶ What are the regulatory impediments to the implementation of a seamless global ATM concept?
- ▶ How to address political interference in ANS?
- ▶ Is consolidation of regulators desirable/necessary?
- ▶ Are regulators fit and equipped to address the challenges of future safety oversight?
- ▶ Do ICAO, IATA, FAA, and other safety audits adequately address safety issues, particularly for the controller workforce?
- ▶ How does the industry perceive the regulatory framework and the regulators?
- ▶ How are conflicts to be resolved between state sovereignty over airspace vis-à-vis cross-border air navigation services?

15:00 - 15:15 REFRESHMENT BREAK - sponsored by: **AIR CANADA**



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LIABILITY

15:15 - 16:30

WHEN THINGS GO WRONG: ISSUES OF SAFETY, LIABILITY AND INSURANCE

Chair:

Francis Schubert — Corporate Secretary, Skyguide, Swiss Air Navigation Services Ltd.

Speakers:

Roderick van Dam — Head, Legal Services, Eurocontrol

Gerard Forlin — Barrister, Chambers of Anthony Scrivener, Q.C.

James P. Kreindler — Partner, Kreindler & Kreindler

Mark MacKeigan — Legal Services, IATA

- What is the potential liability of ANS managers and providers?
- What is the government's potential liability?
- What is the potential liability for manufacturers?
- Is the insurance market adequate to the task?

RECEPTION - ICAO Delegates' Lounge - sponsored by:



17:30 - 19:30

FRIDAY, 29 SEPTEMBER

BREAKOUT SESSIONS AND ROUNDTABLE DISCUSSION OF THE PROBLEMS, AND POTENTIAL SOLUTIONS

FINANCE

08:30 - 10:00

FINANCING AIR NAVIGATION INFRASTRUCTURE AND OPERATIONS: HOW WILL WE PAY FOR, AND PROVIDE IT, AT LOWEST COST?

Chair:

Charles A. Hunnicutt — Partner, Troutman Sanders L.L.P.

Speakers:

Östen Magnusson — Air Transport Bureau, ICAO

Robin Padgett — Emirates Airlines

Robert Poole — Director of Transportation, Reason Foundation

Charles Schlumberger — Principal Air Transport Specialist, The World Bank

John Strong — Professor, School of Business Administration, The College of William & Mary

- How is today's aerospace system financed?
- How will international communications, navigation, surveillance and air traffic management systems be financed and managed?
- What role can user fees play, and how should they be set?
- What are the alternatives to a cost recovery system?
- How can developing countries finance essential infrastructure?
- What are the alternative governance models, and how have they performed?



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10:00-10:15 REFRESHMENT BREAK- sponsored by:



10:15-12:00 BREAK-OUT SESSIONS

OPPORTUNITIES FOR POLICY IMPROVEMENT

FOCUS ON THE IDENTIFIED PROBLEMS, POSSIBLE SOLUTIONS, AND ADVANTAGES AND DISADVANTAGES

SESSION A — CONGESTION, EFFICIENCY & SAFETY

Chair: Carol J. Carmody — Director, Transportation Initiatives at the National Academy of Public Administration

SESSION B — TECHNOLOGY

Chair: Robert A. Pearce — Deputy Director, NGATS, Joint Planning and Development Office, FAA

SESSION C — FINANCE & ECONOMIC PERFORMANCE

Chair: Charles A. Hunnicutt — Partner, Troutman Sanders LL.P.

SESSION D — REGULATION

Chair: Kenneth P. Quinn — Pillsbury Winthrop Shaw Pittman; General Counsel, Flight Safety Foundation

SESSION E — LIABILITY AND INSURANCE

Chair: Francis Schubert — Corporate Secretary, Skyguide, Swiss Air Navigation Services Ltd.

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LUNCH / KEYNOTE ADDRESS ICAO Delegates' Lounge
Alexander ter Kuile — Secretary General, Civil Air Navigation Services Organization

12:00-13:30

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ROUNDTABLE DISCUSSION OF THE EXPERTS

13:30-15:00

OPPORTUNITIES FOR POLICY IMPROVEMENT

Each break-out session chair will identify the most salient problem his group discussed, potential solutions, and their advantages and disadvantages

Moderator: Paul Stephen Dempsey — Director, McGill University Institute of Air & Space Law



REFRESHMENT BREAK - sponsored by:



15:00-15:15

ROUNDTABLE DISCUSSION OF THE EXPERTS (Continued)

15:15-16:15

Closing Remarks

Michael Milde — Emeritus Director, McGill University Institute of Air and Space Law

16:15-16:30

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