



ATCA

Air Traffic Control Association

56th ATCA Annual Conference and Exposition

Agenda

**Gaylord National Resort and Convention Center
National Harbor, Maryland
October 2 - 5, 2011**

SATURDAY, OCTOBER 1, 2011

11 am – 6 pm Exhibitor Registration
Convention Center Pre-Function

SUNDAY, OCTOBER 2, 2011

9 am – 1 pm Board of Director's Meeting
Fort Washington Board Room

9 am – 7 pm Exhibitor Registration
Convention Center Pre-Function

3 pm – 7 pm General Registration Open
Convention Center Pre-Function

MONDAY, OCTOBER 3, 2011

7 am – 6 pm Registration Open
Convention Center Pre-Function

7 am – 4 pm Moderators/Speakers/Coordinators Ready Room Open
Chesapeake I

7:30 am – 8 am Welcome Coffee sponsored by **IBM**
Maryland Ballroom Foyer

8 – 8:30 am **Opening Ceremony and Remarks**
Maryland Ballroom A/C
Mr. Pete Dumont, *President and CEO, Air Traffic Control Association*
Monte Belger, *Chairman, Air Traffic Control Association, and Vice President of Industry Affairs, Metron Aviation*

8:30 – 9 am **The Honorable J. Randolph Babbitt**, *Federal Aviation Administration*
Maryland Ballroom A/C

9 am – 10 am Grand Hall Opening/Break with Exhibitors
Exhibit Hall D & E
Sponsored by **NATCA**

10 – 10:15 am **State of the ATO address**
Maryland Ballroom A/C
Rick Ducharme, *Federal Aviation Administration*

10:15 – 11:30 am
Maryland Ballroom A/C

SESSION 1: Interactive Leadership Panel

Greater predictability and fewer flight delays in the air and on the ground. Improved flight paths with greater precision, enhanced with technologies and operational procedures allowing Optimized Profile Descents. Shared situational awareness and collaboration among all stakeholders to enable user preferences. Improved weather information assimilated into Decision Support Tools to reduce the impact of weather on flight operations. These and many other benefits are what the aviation community expects from NextGen. This panel will engage in a dynamic exchange with conference attendees on the progress, challenges and future outlook of the six NextGen Transformational Programs-ADS-B, CATM-T, Data Comm, NNEW, NVS, SWIM-and the seven solution sets. Come prepared with your questions!

Moderator:

- **Charlie Keegan**, *Raytheon*

Speakers:

- **Steve Bradford**, *Federal Aviation Administration*
- **Greg Burke**, *Federal Aviation Administration*
- **Matt Hampton**, *Department of Transportation*
- **Rob Tucker**, *Federal Aviation Administration*

Coordinator:

- **Kelly Shea**, *Lockheed Martin*

11:30 am – 1:30 pm
Maryland Ballroom B/D

Awards Luncheon

1:30 pm – 2 pm
Maryland Ballroom A/C

David Grizzle, *Federal Aviation Administration*

2 pm – 3:15 pm
Maryland Ballroom A/C

SESSION 2: Earthquakes, Tsunamis, Volcanoes, OH MY!

Over the past 24 months the Aviation Industry has been plagued by volcanic eruptions, earthquakes, and tsunamis; in the future it is likely we will also add radiation and space weather to this list. As a whole, these events can cost not only the aviation industry but also the general economy, who depends on aviation, upwards of Billions of dollars. This panel will recap the impact's the disruptive events had as well as look to what we are doing today to address these events in both the domestic and international communities from both an operational (CDM) and regulatory standpoint. This panel will also address what isn't being done today that should be to ensure we are prepared for the next disruptive events with the end goal in mind of making the extraordinary, ordinary.

Moderator:

- **Norm Fujisaki**, *Metron Aviation*

Speakers:

- **Takeshi Imagome**, *Japan Civil Aviation Bureau*
- **Sigurdur Holmar Johannesson**, *Icelandic Air Traffic Controllers Association*
- **Mark Libby**, *Federal Aviation Administration*
- **John O'Sullivan**, *Harris Corporation*
- **Joe Sultana**, *EUROCONTROL*
- **Jason Tuell**, *National Oceanic and Atmospheric Administration*

Coordinator:

- **Lisa Sullivan**, *Harris Corporation*

3:15 pm – 3:45 pm
Exhibit Hall D & E

Break with Exhibitors

3:45 pm – 5 pm
Maryland Ballroom A/C

SESSION 3: Spectrum Challenges for GPS Navigation

Radio spectrum has become extremely valuable in today's highly mobile world. Personal mobile devices are becoming more and more commonplace and wireless technology is rapidly becoming the

preferred method of transport. LightSquared is a proposed wholesale-only integrated wireless broadband and satellite network to bring internet service to the United States, including rural areas. This proposed network, not only brings the internet to most areas of the US, but holds out the promise for many services to be provided by a host of new companies. The widespread use of some portions of the spectrum proposed to be used by LightSquared presents the potential for detrimental interference to GPS navigation, negatively affecting the FAA's proposed NextGen strategy. This panel will present the current state of the proposed project, the policy issues, and the policy debate over spectrum usage. Information will be provided on the work and studies both completed and planned, and technical issues underlying the potential conflict between the wireless network and GPS navigation. The panel will outline the current state of the proposed network's spectrum plan and ongoing and completed studies and testing. The impacts not only present potential problems to FAA's satellite based navigation plans but also to the general navigation industry as well.

Moderator:

- **Carlos Solari**, *CSC*

Speakers:

- **Jeff Carlisle**, *Lightsquared*
- **Chris Hegarty**, *MITRE Corporation*
- **John Hickey**, *Federal Aviation Administration*
- **Anne Swanson**, *Dow Lohnes PLLC.*
- **Jennifer Warren**, *Lockheed Martin*

Coordinator:

- **David Lantzy**, *CSC*

5 pm – 6:30 pm
Exhibit Hall D & E

Welcome Reception with Exhibitors to Honor Our International Guests
Sponsored by **Raytheon**

6:30 pm

Exhibit Hall Closes

TUESDAY, OCTOBER 4, 2011

7 am – 5 pm
Convention Center Pre-Function

Registration Open

7:00 am – 8:00 am
Maryland Ballroom Foyer

Welcome Coffee sponsored by **Selex**

7 am – 4 pm
Chesapeake I

Moderators/Speakers/Coordinators Ready Room Open

8 am – 9 am
Maryland Ballroom A/C

Captain Eric Moody, *Retired British Airways 747 Captain*

9 am – 10:15 am
Maryland Ballroom A/C

SESSION 4: Fatigue in Public Safety

Fatigue is a component of life that we all experience at different levels at different times every day. Public safety occupations carry a special importance because the ability to deliver safety and health critical services is inextricably connected to the public trust. We have been led to expect 100 percent and zero defects in the services we depend on in our daily lives. We regularly see reports in the media that point to fatigue as a contributing or causal factor in major transportation and other incidents. There is no single formula, no static fatigue profile that can be studied and remedied. It is different for every person. There are however, contributing factors, behaviors, physiology and psychology associated with fatigue that help us in our search for mitigation. This panel will discuss challenges of ensuring safety in critical occupations and offer insight into the complexities of addressing the impact of fatigue and finding workable answers.

Moderator:

- **Alan Levin**, *Bloomberg News*

Speakers:

- **Alexis Brathwaite**, *International Federation of Air Traffic Controllers Associations*
- **Jim Dougherty**, *Washington Metro Area Transit Authority*
- **Dr. Deborah Gofreed**, *Arlington Sleep Medicine*
- **Jeff Richards**, *National Air Traffic Controllers Association*

Coordinator:

- **Pat Forrey**, *Forrey Associates*

9 am
Exhibit Hall D & E

Exhibit Hall Opens

10:15 am – 10:45 am
Exhibit Hall D & E

Break with Exhibitors: Coffee sponsored by **URS-APPTIS**
Snacks sponsored by **JMA Solutions**

10:45 am – 12:15 am
Maryland Ballroom A/C

SESSION 5: NextGen Workforce Challenges

NextGen is described as a transformational undertaking of profound national importance. A transformation of this scope requires more than technology. Together, we must balance our attention to the necessary changes in the human dimensions of NextGen (including not only knowledge, skills, and abilities, but also behaviors, expectations, culture, etc.) in order to realize its potential benefits for all stakeholders. Social scientists (and experience) teach us that the most difficult elements to transform in a major system redesign are not the technical components, but rather the behavioral and cultural adjustments required by the workforce and their organizations.

Moderator:

- **David Sweet**, *Consultant for The Boeing Company*

Speakers:

- **Rick Ducharme**, *Federal Aviation Administration*
- **Bruce Freedman**, *SRA International*
- **Paul Rinaldi**, *National Air Traffic Controllers Association*
- **Robert Torn**, *International Federation of Airline Pilots Associations*
- **Mike Wambsganss**, *Crown Consulting Inc.*
- **Abe Zwany**, *Booz Allen Hamilton*

Coordinator:

- **Pat Forrey**, *Forrey Associates*

12:15 am – 1:45 pm
Maryland Ballroom B/D

Keynote Lunch Featuring: Scott Altman, *NASA Astronaut*
and ATCA Membership Meeting sponsored by **SRA International**

1:45 pm – 3:00 pm
Maryland Ballroom A/C

First ICNS Session Moderator: Mike Harrison, ICNS Executive Committee, Aviation Management Associates

"Alternate Position, Navigation and Timing – The Need for Robust Radionavigation"
Mitch Narins, Federal Aviation Administration

"Graphical Data Linked TFRs and NextGen"
Gary S. Livack, Federal Aviation Administration

"Applications Survey for the Future aeroMACS"
Chris Wargo, Mosaic ATM.

"Satellite Based Voice Communications for Air Traffic Management and Airline Operations"
Dieter Eier, Frequentis USA

"GBSAA Radar with Altitude Processing Supporting UAS in the NAS"
Robert Stamm, Raytheon

3 pm – 3:45 pm
Exhibit Hall D & E

Ice Cream Break with Exhibitors sponsored by **Midwest ATC**

3:45 pm – 5 pm
Maryland Ballroom A/C

Second ICNS Session Panel Moderator: Chip Meserole, ICNS Executive Committee,
The Boeing Company

"A Validation Study of Merging and Spacing Techniques in a NAS-Wide Simulation"
Patricia Glaab, NASA

"Tower Flight Data Manager Decision Support Tools"
Mary Ellen Miller, Mosaic ATM

"Surface Conformance Monitoring in a NextGen Timeframe"
Paul A. Diffenderfer, Federal Aviation Administration

"A Fully-Dynamic Network Flow Model of the NAS"
Tim Myers, Metron Aviation.

5 pm
Exhibit Hall Closes, Open Evening

WEDNESDAY, OCTOBER 5, 2011

7 am – 2 pm
Convention Center Pre-Function

Registration Open

7 am – 4 pm
Chesapeake I

Moderators/Speakers/Coordinators Ready Room Open

7:30 am – 8:30 am
Maryland Ballroom Foyer

Welcome Coffee sponsored by **Engility Corporation**

8 am – 8:30 am
Maryland Ballroom A/C

Keynote: **Nancy Graham**, *International Civil Aviation Organization*

9 am
Exhibit Hall D & E

Exhibit Hall Opens

8:30 am – 9:45 am
Maryland Ballroom A/C

SESSION 6: Global Harmonization

The proliferation of new technology and aviation capabilities is rapidly expanding across the globe. NextGen and SESAR represent two of the major aviation system changes ongoing throughout the world. Both initiatives are seemingly farther ahead than most other world aviation systems, and has brought about a growing concern throughout the aviation industry, from manufacturers to operators, on the compatibility of airborne systems and ground infrastructure. Global harmonization and interoperability of new technology has risen to the level of concern enough for ICAO to begin addressing the concept of uniformity through the development of Aviation System Block Upgrades (ASBU), in an attempt to encourage harmonization of new technology through the use of a "roadmap" to facilitate ANSP's, manufacturers and operators when upgrading their ATM system. The United States and the European Union have signed an agreement to work closely together in the development and deployment of their respective systems, to ensure that these systems are compatible to system users. However, there are several other States and ANSP's that are in the process of developing new upgraded systems that may or may not be compatible to what NextGen and SESAR are implementing. The Global Harmonization Panel will briefly describe what some of the major ANSP's worldwide are currently developing and implementing, and how they will achieve harmonization with other systems. Discussion will include the challenges and barriers to global harmonization of technology and the steps that are being taken - or need to be taken - to achieve a unified approach.

Moderator:

- **Nancy Graham**, *International Civil Aviation Organization*

Speakers:

- **Steve Bradford**, *Federal Aviation Administration*
- **Bob Humbertson**, *MITRE Corporation*
- **Neil Planzer**, *The Boeing Company*

Coordinator:

- **Pat Forrey**, *Forrey Associates*

9:45 am – 10:30 am
Exhibit Hall D & E

Coffee Break with Exhibitors sponsored by **URS-APPTIS**

10:30 am – 12 pm
Maryland Ballroom A/C

SESSION 7: How Long Should We Maintain Two NASs?

The promise of NextGen is a National Airspace System (NAS) that looks and acts very differently from today. While we are making progress, the NAS today still relies on ground-based systems while the NAS of tomorrow relies on satellite systems for navigation and surveillance. The inventory of performance-based procedures is growing and the deployment of satellite surveillance is underway but they exist alongside an extensive ground-based infrastructure. Panelists will discuss the challenges and potential solutions associated with transforming to NextGen in the face of continued reliance on our legacy ground-based infrastructure. How long should we maintain two NASs?

Moderator:

- **Elizabeth L. Ray**, *Federal Aviation Administration*

Speakers:

- **Joe DeVito**, *JetBlue*
- **Amr ElSawy**, *Noblis*
- **Trish Gilbert**, *National Air Traffic Controllers Association*
- **Jack Kies**, *Metron Aviation*
- **Steve Pennington**, *Department of Defense*
- **Craig Spence**, *Aircraft Owners and Pilots Association*

Coordinator:

- **Stephanie Fraser**, *Metron Aviation*

12 pm
Exhibit Hall D & E

Exhibit Hall Closes

12 pm – 1:45 pm
Maryland Ballroom B/D

Networking Luncheon (*Exhibitors Invited*)

2 pm – 3:15 pm
Maryland Ballroom A/C

SESSION 8: Future Aviation Advisory Committee

The Aviation Advisory Committee will provide information, advice, and recommendations to the Secretary of Transportation on ensuring the competitiveness of the U.S. aviation industry and its capability to address the evolving transportation needs, challenges, and opportunities of the global economy. The committee will assess fundamental changes in the following areas below, and identify the drivers of such change and the challenges and opportunities presented by industry developments:

- Addressing environmental challenges
- Balancing the industry's competitiveness and viability
- Ensuring a world-class workforce necessary for a robust aviation industry
- Ensuring safety in aviation
- Securing stable and sufficient funding for our aviation systems

Moderator:

- **Susan Kurland**, *Department of Transportation*

Speakers:

- **Sue Baer**, *NY/NJ Port Authority*
- **Dave Barger**, *JetBlue*
- **Ana McAhron-Schultz**, *Air Line Pilots Association*
- **Bill McGee**, *Travel and Aviation Consultant for Consumers Union*
- **Daniel McKenzie**, *Hudson Securities*
- **Anthony Willett**, *Future Aviation Advisory Committee*

Coordinator:

- **Paul Planzer**, *Air Traffic Control Association*

3:15 pm – 3:30 pm
Maryland Ballroom A/C

Closing Remarks:

Mr. Pete Dumont, *President and CEO, Air Traffic Control Association*
Monte Belger, *Chairman, Air Traffic Control Association, and Vice President of Industry Affairs, Metron Aviation*

6 pm – 7 pm
Maryland Ballroom A/C

Glen A. Gilbert Memorial Award Reception
Sponsored by **The Boeing Company**

7 pm – 9 pm
Maryland Ballroom A/C

Glen A. Gilbert Memorial Award Banquet
Sponsored by **The Boeing Company**