



AVIATION WEEK  
**NextGen**ahead

May 10-12, 2011  
Washington Marriott at Metro Center  
Washington, DC

## Air Transportation Modernization Conference

### Align NextGen Initiatives with Business Objectives - Priorities on Technology, Procedures and Benefits

- Understand the FAA's priorities, commitments and current status.
- Gather updates on White House and Congressional policy, funding and timeline.
- Examine the economics of NextGen. What financial metrics are driving decisions?
- Find out where the FAA and US stand in comparison to other countries and regions in adoption and implementation.

#### Interactive Workshops\*

Drill down into Funding & Financing, Emerging Technologies and Concepts, Future ATM and Successful Operational Trials.

\*Additional fees and subject to availability after March 11.



**REGISTER before March 11.  
Save \$600.**

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“A good forum for government officials to understand and address concerns of stakeholders.”

- Don Brown, Branch Manager, NextGen, FAA Southwest Region



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## IN-DEPTH SESSIONS DEVOTED TO

- Building the Business Case to Link Operational and Financial Goals
- Trajectory-Based Operations (TBO) – Migration of NextGen to an Automatic-Centric System
- Integration of GBAS in RNP as Part of NextGen Integration
- The New Movement of Future Air Navigation Systems (FANS)
- Mixed Performance Management
- Optimization of Airspace and Procedures in the Metroplex

## FEATURING

Matthew Hampton, Deputy Assistant Inspector General for Aviation & Special Programs, US Department of Transportation, Office of Inspector General

Margaret Jenny, President, RTCA

Rich Jehlen, Director, Planning & Performance, Air Traffic Operations, FAA

Nick Welch, Program Manager, Air Services Australia

Elizabeth Lynn Ray, VP, Mission Support Services, FAA

Glenn Morse, Sr. Director, Industry Affairs, Continental Airlines

Lillian Ryals, Executive Director, NextGen, The MITRE Corporation

*“One of the best forums for industry collaboration amongst each other and government to chart a course to a more promising future.”*

Dave Manser, Division CTO, TASC

## WHO WILL ATTEND:

VPs, Directors and Managers from Airlines, ANSPs, Airports and Regulatory Agencies, responsible for:

Flight Operations and Flight Standards

Communications

Navigation

Surveillance

Avionics

Fuel Management and Emissions Reduction

Pilot Training

Air Traffic Management

Airport Operations

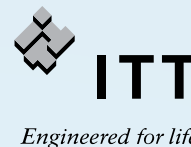


**Optimize your time at NextGen Ahead by visiting the NextGen Showcase.**

Find the right solution provider and services for your needs. The Showcase features companies that provide technologies and products to help you speed up your NextGen deployment and reap the benefits fast. Take the guesswork out of the vendor selection process and make smart investment decisions that produce immediate results.

Participating companies include:

**Accord Technology**  
location... location... location



# CONFERENCE AGENDA

## DAY ONE – Tuesday, May 10, 2011

9:00 a.m. Registration Opens

Roll up your sleeves and prepare for drill-down sessions! Discover new concepts, strategies and technologies to benefit your flight operations. Gain instruction and how-to guidance to dramatically improve performance and operations with each workshop session.\*

*\*Seating is limited in these interactive learning sessions.*

*After March 11, there will be a fee of \$195 to attend the workshop, assuming space is still available.*

1:00 p.m. **INTERACTIVE WORKSHOPS A**

### A-1 Funding & Financing for Air Transportation System Transformation Programs

- Learn alternative funding models – which is the best?
- What are current users innovatively doing to keep their operating and implementation costs down?
- What are the ROI and financial benefits for accelerating transformation (NextGen, SESAR) programs?
- Technical, funding and program challenges

**Tom Captain**, Principal, Global and US Aerospace & Defense Industry Sector Leader, Deloitte LLP

### A-2 Emerging Concepts and Technologies

- How have the technologies progressed to enable integration into existing systems?
- Impact of technologies on the culture change
- Progress updates on programs

**Gene Hayman**, Director of Business Development, Boeing ATM

2:30 p.m. Break

3:00 p.m. **INTERACTIVE WORKSHOPS B**

### B-1 The Architecture & Infrastructure of Future ATM

- Concepts associated with the functional designs of NAS
- Air traffic flow management and integration

**Gary Church**, President, Aviation Management Associates

**Chris Brinton**, President, Mosaic ATM

**Michael C. Wambsganss**, Research Scientist, Booz Allen Hamilton

**Rich Jehlen**, Director, Planning & Performance, Air Traffic Operations, FAA

### B-2 Operational Trials for Success

- Expectations on how trials are going to be operated
- Global partnerships on testing technologies and procedures
- Determining factors for the next steps and recommendations

4:30 p.m. Conclusion of Interactive Workshops

## DAY TWO – Wednesday, May 11, 2011

8:00 a.m. Registration Opens, Continental Breakfast

9:00 a.m. **Welcome Remarks**

9:15 a.m. **Keynote Address — View from the Hill**  
Updates on policies, funding and timeline from Congress

9:45 a.m. **FAA Update**

- Where are we now?
- Have we met our short-term goals?
- Are we on track?
- Based on the status of where we are, what are new challenges and hurdles?

10:15 a.m. Break

10:45 a.m. **Global Harmonization**

What are the strategies and procedures for global interoperability and harmonization of various international ATM Improvement Programmes? What are the “action plans” to ensure that US aircraft are equipped properly to function and immerse in international air traffic environments? How is the US comparable to the global transition for ATM?

**Rob Eagles**, Director Infrastructure Implementation and Airports, IATA  
**Dr. Ruth Stillwell**, International Federation of Air Traffic Control Associations (IFATCA)

11:30 a.m. **Building the Successful Business Case for NextGen**

A successful NextGen business case clearly communicates the rationale for making an investment to transform your flight operations, but it also involves many key internal departments analyzing and determining pertinent ROI dollars. Getting more parties involved increases the risk of things not happening, but in this case, how can you not? Discover how Delta aligned its NextGen operational initiatives and financial cost-benefit analysis to move forward on its fleet transformations.

**Captain Mark Bradley**, Chief Technical Pilot, Delta Air Lines  
**Ed Lohr**, Director, Fleet Strategy, Delta Air Lines

12:30 p.m. Luncheon

2:00 p.m. **TRACK SESSIONS C**

**C-1 Updates on US Airways’ Global Partnerships**

In 2009, US Airways partnered with the FAA on early adoption of NextGen. Now, as they are progressing in CAVS (CDTI Assisted Visual Separation) procedures with FAA, they are also partnering with Eurocontrol to enable In-Trail Procedures (ITP) using ADS-B across the Atlantic. In this session, hear updates on operational progress, and also decision-making strategies for equipage, training, and implementation.

**Ron Thomas**, Managing Director Flight Technical Operations, US Airways

**C-2 The Impact of Unmanned Aircraft System in the NAS**

As they become part of the National Airspace System (NAS), what procedures will be needed to accommodate UAS and how will requirements affect civil aviation?

2:45 p.m. **TRACK SESSIONS D**

**D-1 Airport Implementation Case Study**

**D-2 Trajectory-Based Operations (TBO) – Migration of NextGen to an Automatic-Centric System**

With the full integration of the air traffic system, including cockpit and ground automation, what factors must be considered to develop efficient procedures? What will be the new roles of pilots and controllers?

**Aslaug Haraldsdottir**, Sr. Technical Fellow, The Boeing Company

3:30 p.m. **TRACK SESSIONS E**

**E-1 Integration of GBAS in RNP as Part of NextGen Integration**

Differential or Augmented GPS is a cornerstone of the Performance Based Navigation (PBN) movement. The first Ground Based Augmentation Station (GBAS) was certified for precision landings in 2009 for Category I minimums and autoland. Each year, the number of airports implementing GBAS grows as they capture the benefits of safety, reliability, efficiencies not available in any other navigation system. Discover what major global aviation markets are equipping with GBAS, the advanced certification process towards Category II/III, the fusion of RNAV/GLS approaches and many other developments in this fast moving segment of the PBN community.

MODERATOR: **Chris Baur**, President, Hughes Aerospace Corporation  
**David Jensen**, Product Manager for Precision Landing Systems and GNSS, Honeywell Aerospace  
**Glenn Morse**, Sr. Director, Industry Affairs, Continental Airlines  
**Nick Welsh**, Program Manager, Air Services Australia

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### E-2 The New Movement of Future Air Navigation Systems (FANS)

When discussing CNS technologies, often the focus is on Navigation, while communications and surveillance are overlooked. FANS (Future Air Navigation Systems) is a protocol for direct link of voice and data between ATS and AOC communications. Satellite-based voice and data communications are increasing the aircraft participation in FANS communications across the NATS, the Pacific and the Polar regions. With Link 2000 on the horizon in Europe, many operators are concerned about the cost of compliance, benefits and solutions available.

**Bruce DeCleene**, Manager Avionic Systems, FAA

**Raul Segredo**, President, Avionica

4:15 p.m. Break

### 4:30 p.m. Day Two Closing Session — Creating Financial Options for Achieving NextGen Capabilities

- Breaking down the economics of NextGen
- Where should the funding for aircraft equipage come from?
- Updates on government-assisted programs/options (tax breaks, loans, grants, etc.)
- Balance with use of tax-payer dollars and benefits
- What are the numbers that are driving the decisions?
- Innovative strategies through private-public partnerships

MODERATOR: **John Kefaliotis**, VP NextGen Air Transportation System, ITT Corporation

5:30 p.m. Cocktail Reception

## DAY THREE – Thursday, May 12, 2011

8:00 a.m. Registration Opens, Continental Breakfast

8:30 a.m. Keynote Address

9:15 a.m. RTCA NextGen Updates

**Margaret Jenny**, President, RTCA, Inc.

10:00 a.m. Break

### 10:30 a.m. Mixed Performance Management

Policies, practices, and procedures by which the industry navigates through the transition period from contemporary CNS (Communications, Navigation, and Surveillance) to the prospective NextGen environment, addressing the challenges and dynamics of aircraft mixed equipage, infrastructure installation, airplane performance differences, variations in business case analysis practice, and other critical success factors. The intention is to enhance the economic advantage to early adopters of NextGen technologies while minimizing the disenfranchisement of later equippers, and focus on migration from a “first come, first served” to a “best equipped, best served” operational paradigm.

MODERATOR: **Ronald Stroup**, Chief Systems Engineer, Air Traffic Organization (ATO), NextGen Integration & Implementation, FAA

**Captain Stephen M. Dickson**, SVP Flight Operations, Delta Air Lines, Inc.

**Mel Davis**, NATCA National NextGen Representative, FAA

**Peter Morton**, Senior Consultant, Systems Engineering & Technology, LLC

### 11:15 a.m. Optimization of Airspace and Procedures in the Metroplex

- Strategies, progress, and lessons learned from initial metroplex teams
- Quantifying benefits and risks
- Connectivity between Metroplexes – improving efficiency throughout the NAS
- Challenges and hurdles that must be overcome to deliver desired capabilities

MODERATOR: **Lillian Ryals**, Executive Director, NextGen, The MITRE Corporation

**Elizabeth Lynn Ray**, VP, Mission Support Services, FAA

**Matthew Hampton**, Deputy Assistant Inspector General for Aviation & Special Programs, US Department of Transportation, Office of Inspector General

12:00 p.m. 2011 NextGen Conference Concludes

# GENERAL INFORMATION

## ADVANCE REGISTRATION

Register online at [www.aviationweek.com/events](http://www.aviationweek.com/events). Select the NextGen Ahead logo and proceed to registration.

## ON-SITE REGISTRATION

All badges and pertinent conference materials will be available at the registration area located at the Washington Marriott at Metro Center during the following hours:

Tuesday, May 10	9:00 a.m. – 4:30 p.m.
Wednesday, May 11	8:00 a.m. – 5:30 p.m.
Thursday, May 12	8:00 a.m. – 12:00 p.m.

## VENUE

Washington Marriott @ Metro Center  
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Discounted hotel accommodations have been arranged at the Washington Marriott. To secure your room please contact the hotel directly. Ask for the Aviation Week NextGen rate. Reference: M2YB5L5. Rate: \$269 single/double + applicable taxes. Cut-off date of Friday April 15, 2011.

Conference Cancellation and Credit Card Authorization Policy: Cancellation must be submitted in writing via e-mail ([events@aviationweek.com](mailto:events@aviationweek.com)) or fax (+1.212.904.3334), and must be dated on or before March 15, 2011 will receive a refund less a processing fee of USD \$300 (standard registration);

\$100 on Military/Government. No refunds will be given for no-shows or cancellation after March 15, 2011. However, a substitute may be sent and any fees not paid by original registrant will be applied to substitute's fees. Full payment must accompany your registration form. Credit card payment must be included for online and faxed registrations. Check payment will only be accepted with mailed forms. Registration fees will be shown on credit card statements as Aviation Week Conferences. By submitting this registration, you authorize The McGraw-Hill Companies to invoice you for any unpaid portion of your registration fees.

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## CONFERENCE FEES

	By 3/11/2011 <i>(Includes workshops)</i>	After 3/11/2011 <i>(Workshops not included)</i>	Onsite
Single Pass	\$1,195	\$1,495	\$1,595
3+ from Same Company	\$995	\$1,295	\$1,595
Govt./Active Military*	\$595	\$795	\$995
Workshops**	Included	\$195	\$295
Press	FREE	FREE	FREE

\*Government/Military: Rate applies only to active, guard and reserve military and civil service personnel. ID Required.

\*\*Workshops: Seating is limited and subject to availability.



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