

# Airports Working Group Update JPDO All Hands Meeting June 18, 2008

Tom Browne, Trillion Aviation  
Industry Co-Chair

# Agenda

- Airports Working Group and Executive Committee Membership
- Review of NextGen Vision for Airports
- The Importance of Airports in NextGen
- Challenges Facing Airports, NextGen Partners
- AWG Accomplishments and Taskings
- Next Steps

# Airports Working Group Membership

- Over 60 members, representing:
  - Airport Operators (commercial and GA)
  - Airport Planners (local, regional, state)
  - Users: Airlines, GA, business aviation
  - Airport Consultants
  - Trade Groups
  - FAA and other Government Agencies

# Airports WG Executive Committee

## Industry Co-Chair

Tom Browne, Trillion Aviation

## Commercial Airport Operator

Jim Wilding, Retired MWA CEO,  
Chair of ACRP Oversight Committee

## Airport Planning and Development

Gregg Wollard, Metropolitan Washington  
Airports Authority

## State Aviation

Randy Burdette, Virginia Department of  
Aviation

## Airline

Neil Maxfield, Continental Airlines

## Government Co-Chair

Charles Everett, FAA

## Secondary/Reliever Airport Operator

Steve Williams, Delaware River and Bay  
Authority

## Metropolitan Planning Organization

Roger Moog, Delaware Valley Regional  
Planning Organization

## General Aviation

Jeff Gilley, NBAA

## Airport Trade Association

Dick Marchi, ACI-NA

# NextGen Airports Vision

- Anticipated future growth in aircraft operations will be accommodated through the improved utilization of existing infrastructure and the construction of new infrastructure, for both Commercial Service and General Aviation (GA) airports
- NextGen must facilitate the optimum and balanced utilization of airside, terminal, and landside infrastructure, as well as support ground access
- A diverse network of airports must be preserved throughout the nation in the best interest of an efficient national air transportation system

# Airport Operators are Key Decision Makers

- Following the tradition of airport development in the United States, the actual implementation of many NextGen concepts will be accomplished through a local decision-making process, *in a cooperative effort* between the airport operator, users, and neighboring communities, with support from local, state and Federal governments
- IWP is meant to guide the development of available services, programs, and technologies that that can be adopted by airports as dictated by their needs and missions
- Effectively, the development or transformation of an airport hinges on the efforts and decisions of the communities and users that it serves

# Key Decisions Drive What Airport Operators

## Have in Their "Tool Box"

- Decisions made by the Aircraft, ANS, Security, Environmental, and Safety WGs and stakeholders have a significant impact on airport plans, including facility development, sustainability, and finance.
- What is the impact, and how to we address, the time between when a NextGen technology/ procedure improvement is available (e.g., parallel runway standards) and its expected implementation at an airport, 5 to 10 years later?
- Beyond the WGs, FAA efforts (such as "FACT-2 Next Steps") and research initiatives such as SMAD Test Case, ACRP, and others, are key to getting tools into airport operators' hands.
- The critical issue is **timing!**

# Many Complex Issues Drive NextGen/Airport Success

- Airfield and passenger terminal capacity continues to be a significant challenge for commercial airport operators
- Increasing demand and complexities associated with runway/ramp operations, security, airline operational changes, and regulatory requirements need innovative solutions
- Within the IWP, the airport functional area addresses the complex factors that affect day-to-day airport operations and support functions not directly involved with air traffic management
- IWP focuses on improving surface operations, passenger flow, severe weather operations, airport resource management, airport advocacy/preservation, and airport facility development

# AWG Accomplishments to date

- A diverse ExComm that is representative of airport interests and users
- Taskings under way:
  - Airport Advocacy White Paper
  - Airport Capacity Analysis
- Ongoing IWP Review
  - Airport Privatization Position Paper
- Messaging, Communications and Outreach

# Airport Advocacy Tasking

- This effort is focused on the development of a robust airport advocacy and sponsorship program, intended to help airport operators, local governments, users, and local communities to understand the importance of long-term airport preservation and capacity enhancement.
- The tasking includes:
  - Defining airport advocacy as it relates to the development, sustainability, protection, and preservation of past and future airport infrastructure investments.
  - Proposing a stronger Federal role for airport advocacy (e.g., proactive, public support for airport preservation and capacity projects), to include program goals, policies, and actions.
  - Reviewing current Federal programs and recommend alignment for long-term airport preservation and maintenance of a functional national system of airports.
  - Propose coordination mechanisms with regional governance and transportation systems (e.g., Metropolitan Planning Organizations).
  - Propose outreach and communication efforts
- Lead: Roger Moog, Delaware Valley Regional Planning Organization

# Airport Messaging

- It is important to help airport operators, their governing bodies, communities (business and civic alike) and other stakeholders understand:
  - the importance of their airport for access to the air transportation system, business development, and emergency response.
  - their roles, and the benefits they might derive, from a successful NextGen transformation
- Outreach efforts will encourage local decision makers in prioritizing systematic airport needs for their community, region, and nation.

# Airport Capacity Analysis Tasking

- This group will coordinate JPDO and external studies related to airport capacity constraints and identification of potential solutions.
- Some of the tasks include:
  - Evaluating ongoing work being conducted by JPDO partner organizations and Divisions, and external organizations, relative to airport capacity constraints (i.e., airfield, terminal, and landside).
  - Providing expertise, data, and peer review to help quantify potential NextGen capabilities, benefits, and costs.
  - Supporting ongoing JPDO work to develop metrics for assessing baseline airport conditions and potential NextGen airport benefits.
  - Synthesizing existing, ongoing research efforts (e.g., ACRP) that are applicable to NextGen Airports.
  - Proposing recommendations on programmatic, transformational solutions for consideration by the JPDO, including the integration of recommendations into the JPDO IWP, ConOps, and Enterprise Architecture.
- Leads: Dick Marchi, ACI-NA and Marc Schoen, Boeing

# A Sampling of Research Initiatives Under Way

- Highlighted R&D efforts within 2009 – 2013 period:
  - Improve Passenger and Baggage Flows: Applied research on off-airport passenger and baggage processing to support alternatives section and decisions on capabilities supporting increased passenger and baggage throughput
  - Airport Planning: Applied research on efficient ramp operations during winter weather conditions, including sustainable environmental practices
  - Multimodal Transportation and Connections: Applied research to inform a national policy with respect to multimodal travel behavior and the impact of travel demand on high-density travel corridors linking mega-regions on the east and west coasts
- Additional airport research is being conducted through the TRB's Airport Cooperative Research Program (ACRP)

# Next Steps for the Airport Working Group

- Round out participation in the Capacity Analysis tasking - (under way)
- Complete the Airport Advocacy paper - (goal: 9/08)
- More robust coordination with key WGs that have airport-specific taskings under way
- Full Airport Working Group will meet July 22-23 in DC
- AAAE “ADS-B and Beyond”, August 5-7, Louisville

# Questions?

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