Next Generation Air Transportation System Joint Planning and Development Office

#### NextGen Weather Demonstration Team: "Weather Demonstration Coordination"

Steve	Paul	TBD
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NOAA/NWS	FAA	Lead





# **Presentation Outline**

- Goals and responsibilities of the Demo Team
- Team composition
- Building a comprehensive demonstration inventory
- Outreach strategy
- Developing demo section of NextGen Weather Plan





**Goals and Responsibilities** 

# Demo team organized by the JPDO Weather WG to:

- Identify, categorize, and document the existing NextGen weather demonstrations
- Identify, categorize, and document NextGen demonstrations that may require or benefit from weather assimilation
- Become the recognized coordination body that provides guidance and assistance on future demonstrations
- Provide guidance and assistance on Initial Operating Capability (IOC) demonstrations to ensure they are meeting IOC requirements





#### **Goals and Responsibilities**

- Facilitate communication between agencies and organizations to support the inclusion of weather, at the appropriate time, into future demonstrations
- Facilitate communication between agencies and organizations to urge compatibility between subsequent demonstrations
- Update the NextGen Weather Plan with a detailed demonstration strategy

The demo team will not:

- allocate resources
- evaluate demonstrations
- suggest industry partners





#### **Team Structure**

- Team size is approximately 20 members
  - Mix of industry and agency participants including NOAA, FAA, NASA, DOD, Harris, MITRE, NGC, and others...
- FAA and NWS co-lead team. Industry lead yet to be named
- Identify lead contacts from other agencies within the JPDO structure to minimize effort and maximize response





# **Demo Inventory**

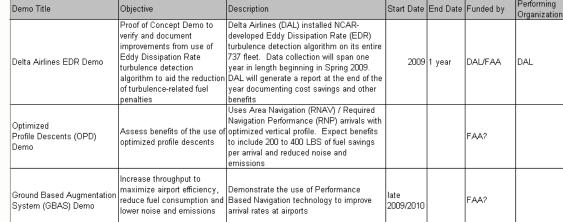
- The top short term priority of our team is to build a comprehensive library and database which detail:
  - demonstrations of new or improved weather capabilities
  - other demonstrations where assimilation of weather information is required for improved operational decision making
  - Examples could include: forecast process techniques, net-centric data exchange capabilities, or trajectory based operation solution sets





# **Demo Inventory**

- At a minimum, the demo inventory will detail the following information:
  - Demo Title
  - Objective
  - Description
  - Start and End Dates
  - Funded source(s)
  - Performing Organization
  - Location
  - Wx Phenomena
  - Is the Output Format Net-Enabled?
  - POC E-mail and Phone #









- We need your help to spread our message!
- Outreach letter to be distributed through the JPDO to help build our inventory

Our Goal:

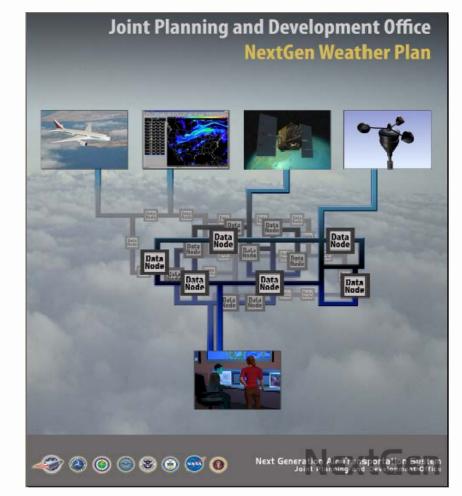
Become the one-stop shop for weather demo information





#### Adding a Demo Section to the NextGen Weather Plan

- Demo Team asked to develop "Section 5" of the NextGen Weather Plan
  - Tie elements of the 4-D Weather Data Cube and Weather Integration sections in the Plan to support identified operational demonstrations
- Title will be "Weather Demonstration Coordination" to ensure understanding of our mission
- The current plan is available at <u>http://www.jpdo.gov/newsArticl</u> <u>e.asp?id=113</u>



#### **Proposed Schedule of Activities**

•	Distribute outreach letter	Jul 09
•	Collect demo info from agencies/industries	Jul 09
•	Outline Wx Demo Coordination section	Aug 09
•	Draft Wx Demo Coordination section	Sep 09
•	Agency review period	TBD
•	Update Plan based on Agency comments	TBD
•	EC (NEWP?) Approval	TBD
•	Integrate Wx Demo Coordination into NextGen Weather Plan	TBD
•	Explore interfaces with relevant teams	TBD



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- Manageability of data How do we keep this library representative and up to date
- Categorizing types of Demos Team has had several discussions about best way to categorize/organize demos (IT, Meteorological, chronological, etc...)
- Receiving needed input Taking the time to send us the information
- Team participation dedicated input from team members to do the real work







- JPDO Weather WG sponsored Demo Team building a comprehensive database/library of NextGen weather demonstrations
- Demo Team will also highlight other demos where weather might be integrated
- Become a "one-stop shop" of weather demo information
- Team will add a "Weather Demonstration Coordination" section to the NextGen Weather Plan





#### Contacts

Please forward questions or information to:

- Steve Abelman, NWS <u>steve.abelman@noaa.gov</u>
- Paul Strande, FAA <u>paul.strande@faa.gov</u>



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# BACKUPS



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### **Multiple Path Approach**

