Aviation Weather Services Directorate (AJW-47)

Transition to NextGen Weather Services

Presented to:  Friends and Partners in Aviation Weather
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Weather Radar:
- WSDS
- NEXRAD
- TDWR
- WSP

Weather Sensors:
- CIWS
- ITWS
- WARP
- NWP (Planned)
- NNEW (Planned)
- ASWON
- ASOS P3I
- JAWS
- SAWS
- F-420

Aviation Weather Services Group – Transition to NextGen Weather
July 21, 2010
**Mission:** Continue acquisition management and implementation of weather services into the NAS to support the Users

- Alfred Moosakhanian (Acting)
  **Weather Observations**
  AJW-471
- Benn Deans
  **Weather Processors**
  AJW-472
- Vaughn Yates
  **Weather Dissemination**
  AJW-473

- A collection of radar and sensor systems that provide weather information to FAA controllers, commercial and general aviation pilots, and to the National Weather Service (NWS) for inputs into various models
- Improves aircraft safety by providing accurate reporting of current and future weather conditions in the National Airspace System (NAS)

**Mission:** Improve transition planning and implementation of new weather products and services

- Jacqueline Hill
  **Weather Integration**
  AJW-474
- Systems Engineering for Implementation
- Supports evolution of Weather NAS Enterprise Architecture (EA) roadmap
- Weather Requirements point-of-contact (POC)
- Weather Integration and Translation for use into Decision Support Tools
- Coordinate Integration Demos, Testing, etc.
- Investment Analysis for Weather Acquisitions
- Implementation of Net-Centric Weather Concepts
- Coordination point of Service and Project Level Agreements (SLAs/PLAs)
- Portfolio Management POC

Note: Additional programs will become part of the Aviation Weather Services Group’s portfolio
Transition Approach

• No loss of current capability
• Capitalize on research to enable timely integration into operations system
• Phased approach
  – NextGen Segment 1 by 2015
• Continue legacy systems services until NextGen weather systems are fully operational
• NextGen Network Enabled Weather (NNEW)
  – Integrated with System Wide Information Management (SWIM)
• NextGen Weather Processor (NWP)
  – Includes new NextGen weather requirements
  – Integration with Integrated Terminal Weather System (ITWS), Corridor Integrated Weather System (CIWS) and Weather and Radar Processor (WARP)