

Friends/Partners in Aviation Wx

- Segment 3 -

***Progress in Convective Wx Info
User Needs & Issues***

NBAA Convention – Atlanta

27 Sept. 2007

Co-Leaders: Tom Fahey & Mark Phaneuf

Sources of User Feedback

- Previous 2006 FPAW Meeting
- User Telcon 06 Sept 07
 - Participants: Roy Strasser, Warren Qualley, Jim Block, Rick Curtis, Joe Sherry, Randy Baker, Tom Fahey, Mark Phaneuf, Ron Westheimer, Al Homans, Mark Huberdeau
- Aviation Industry Wx Work Group: '07 Work Plan

User Needs & Issues Identified

- Increased Capability to Access Wx Data
- FAA & NWS plans for Wx Forecasts to Support ATM Decision Making
- FAA & NWS plans regarding Increased Funding to expand Automated Aircraft Reporting
 - General Plans
 - Specific Plans for Reimbursing Data Providers

Previous 2006 FPAW Meeting

- Industry's access to weather data:
 - TDWR, WSP, LLWAS-RS, 1 minute ASOS, & ITWS
 - REQUESTED ACTION: Ray Moy to provide status report to Users via Roy Strasser within by Apr07 regarding process for Aviation Users and Aviation Weather Info vendors to access these types of info

2007 Telcon Discussion

- Industry's access to weather data:
 - TDWR, TWIP, CIWS, Digital ATIS, LLWAS, and WSP data:
 - Industry would like to suggest that any early demonstrations of SWIM's capabilities are done by providing access to one or more of the above data types.
 - In the near-term industry would like complete and open access to these data types from the Volpe Data Center

Aviation Wx Workgroup 2007 Workplan

Products

Current Capability

Future

ITWS & CWIS

ITWS via Web

Raw data to integrate

One (1) Min. METARs

Avail via Phone
(Sometimes)

Raw data to integrate

Braking Action/
Rnwy Conditions

Taken by Airport Facility &
Distributed many ways

Automated Collection
Automated Distrib'n as
ICAO SNOWTAM

Wind Shear Alerts

Avail. @ ~ 45 Airports

Avail. @ other ~70

Runway Visual Range

Volpe RVR Web
(Excellent tool)

More stns & Raw Data

Previous 2006 FPAW & 2007 Telcon Meeting

- Wx Fcsts to Support ATM Decision Making
 - REQUESTED ACTION: Marilyn Wolfson & Roy Rasmussen provide a summary to Users, via Gene Wilhelm by Apr07 regarding conceptual plan for display and application of convective forecast info from a gridded database
 - It is expected that the information has been verified and rationalized and contains insights as to, for example probabilities
 - Users should not have to interpret the meaning of the information themselves; rules will be published and available related to how to utilize the information (and how not to)

Previous 2006 FPAW Meeting

- Wx Fcsts to Support ATM Decision Making
 - **CCFP**
 - Geographical Expansion (Gulf, E.Cst & Canada)
 - Expand Production Season
 - Echo Tops
 - **TRACON Product**
 - Status

Issue Raised During All Three Sources

- Increased Funding to expand Automated Aircraft Reporting
 - Water Vapor
 - Turbulence
 - Winds
 - Temperatures