Weather Data Delivery and Display in the Cockpit

Flight Service/GA Perspective

Presented to: FPAW
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Date: October 21, 2010
Weather Data Delivery - Voice

Broadcasts:

HIWAS
• Hazardous Inflight Weather Advisory Service - continuous broadcast of inflight weather advisories: AWWs, SIGMETs, Convective SIGMETs, CWAs, AIRMETs, and urgent PIREPs.

ASOS, AWOS
• Continuous broadcast of individual weather observations.

TWEB (AK)
• Transcribed weather broadcast service -- continuous aeronautical and meteorological information on L/MF and VOR facilities.
Weather Data Delivery - Voice

Upon Request:

– Whatever the Pilot Wants!

Plus....

– Whatever weather updates that are pertinent, that the pilot has not yet received.
Weather Data Delivery - Data

DUAT providers
- Weather graphics and text, to PDAs, Smartphones
- Supplement to FSS system

Fee-for-Service providers
- Weather graphics and text, to PDAs, Smartphones, EFBs, portables
ADS-B

FIS-B and TIS-B Broadcasts

- Weather and Aeronautical Information
- Traffic
Graphic and Text

- METARs
- TAFs
- AIRMETs
- SIGMETs
- Convective SIGMETs
- Winds/Temps Aloft
- PIREPs
- NOTAMs
- SUA
ADS-B FIS-B
NEXRAD

Conus

Regional
Weather Data Delivery – What’s Next?

Weather Data That Is –
• Tailored to pilot’s needs
• Tailored to aircraft position