

Weather Data Delivery and Display in the Cockpit

Flight Service/GA Perspective

Presented to: FPAW

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Federal Aviation
Administration



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

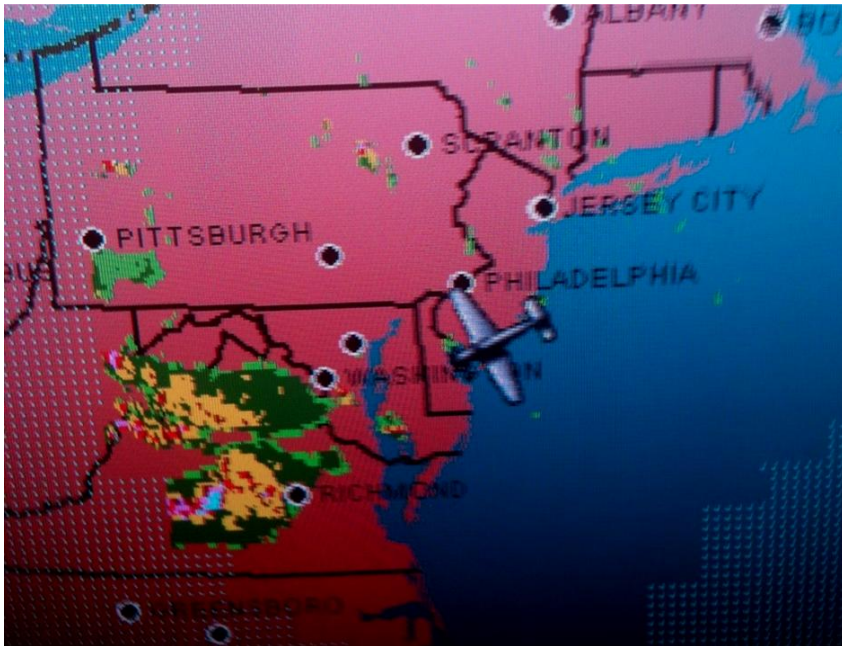


Graphic and Text

- 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*