

FPAW 2011

AC 00-63 Rewrite Plan

Presented by: **Roger Sultan, FAA, AFS-430**

Date: **October 11, 2011**

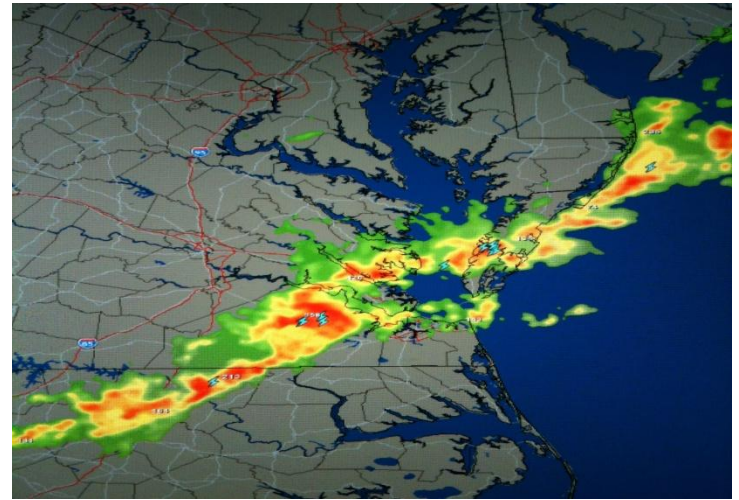


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AC 00-63 Rewrite

AFS Goal – provide easy to understand guidance for all pilots to safely and effectively use MET and AIS graphics and text in preflight and in-flight decision making

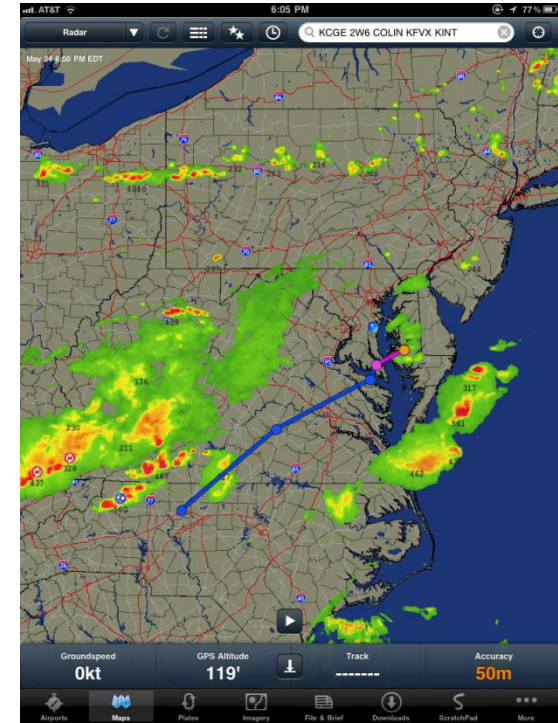
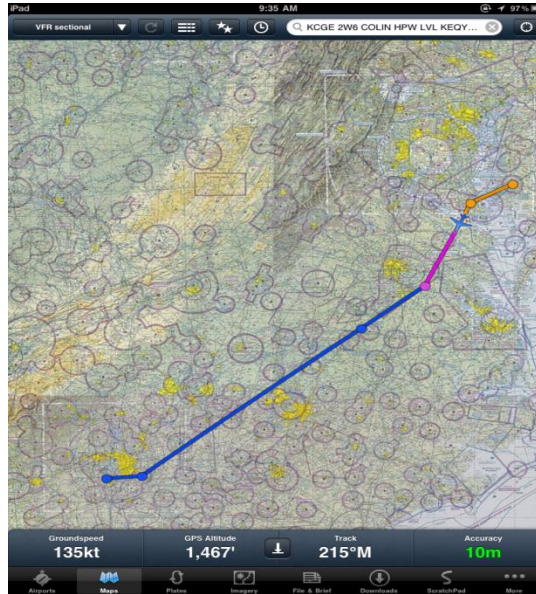


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Reason for Rewrite

- *FAA guidance outdated (e.g., FISDL)*
- *Tablets accelerating usage in air carrier flight decks*
- *Approximately 50% of GA aircraft have XM weather*



AC 00-63 Rewrite

Resources:

- RTCA's *DO-267A, DO-308 and DO-324*
- *RTCA SC-206 Concept of Use Document. (Currently in draft)*
- *SAE G-10 ARPs*
- *ARINC / AEEC*



Proposed Timeline

Draft AC for internal
FAA coordination
01/2012

Draft AC for public
coordination
03/2012

Final AC for
publication
07/2012

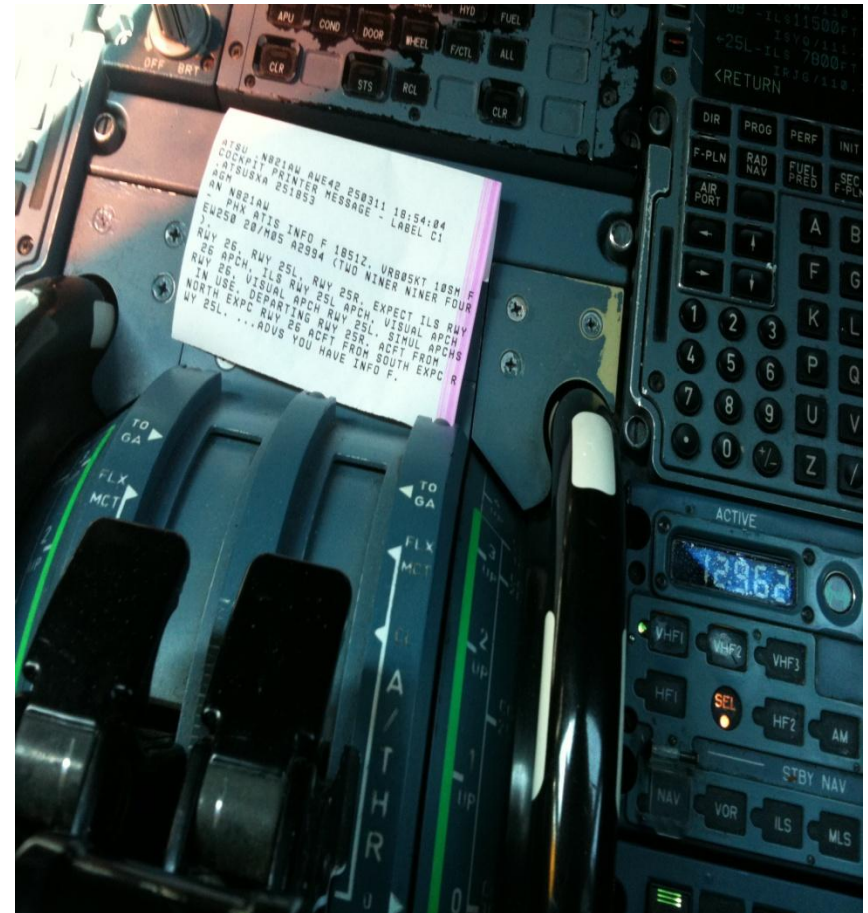
2012



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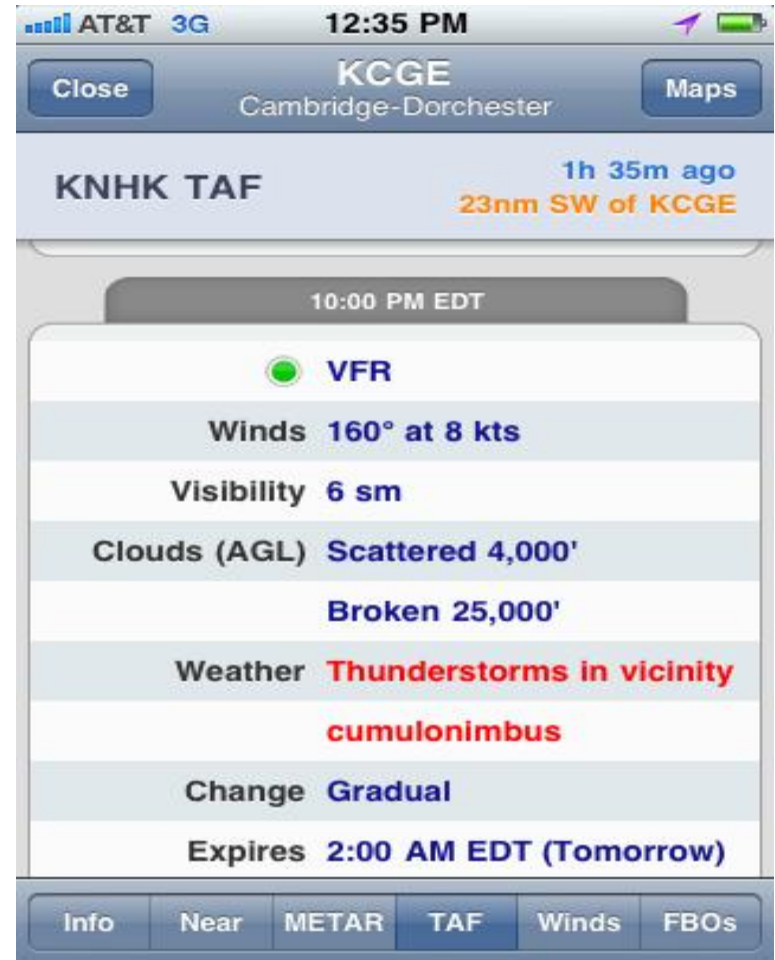
- Purpose
 - Strike all references to FISDL
 - Add more information on FIS and expand on non-FAA FIS implementations
 - Emphasize that AC scope includes both MET and AIS
- Definitions
 - Expanded glossary. (Make use of the SC-206 glossary)



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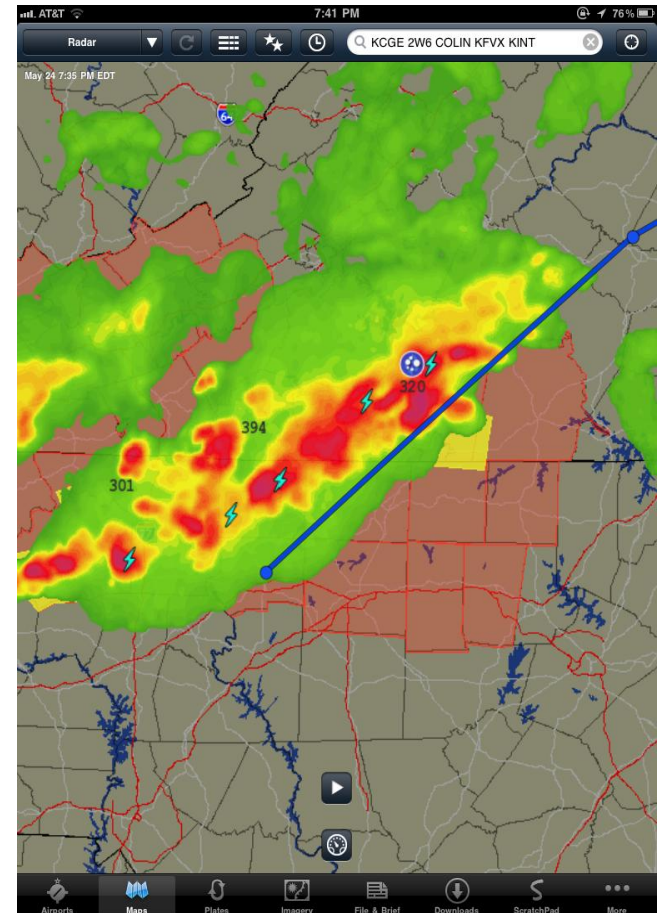
- Background

- Update with descriptions of recent data link activity
- “Primary” vs. “Advisory” (Define in context of use and in context of a specific data link)
- FIS data link categories:
 - Request / reply
 - Contract
 - Broadcast
- Describe AIS & MET data link services



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- Discussion
 - MET data link services
 - Uplink
 - Downlink
 - Crosslink
 - AIS data link services
 - Uplink
 - Operational domains:
 - Pre-flight planning
 - Airport gate and surface operations
 - Terminal area
 - Domestic en route
 - Oceanic, remote, and polar operations
 - FIS description
 - Non-FAA link FIS descriptions

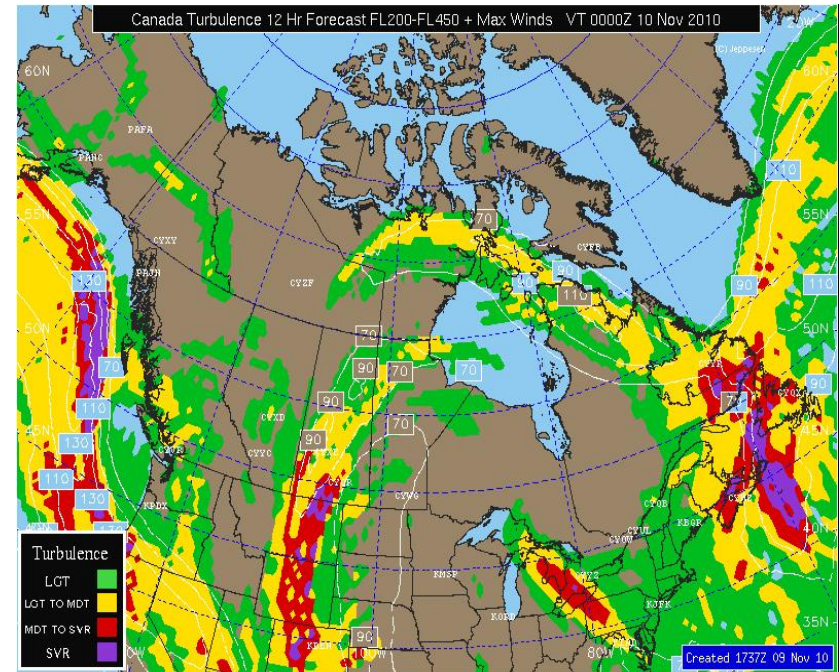


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- Discussion

- Operational use of FIS MET services

- List of MET products
- Weather product description / depictions
- Pilot decision support classifications
- Usage
- Restriction to use (if applicable)
- Pilot workload impact (flight crew vs. single pilot)



AC 00-63 Rewrite

• Discussion

- Operational use of FIS AIS services
 - List of AIS products
 - Temporality considerations
- Qualification for use of FIS
 - Similar language to current AC
- Responsible use of FIS
 - Expand on training aspects
 - Develop new written test questions
- Appendix
 - Frequently Asked Questions (FAQ)

The screenshot shows a mobile application interface for airport information. The top status bar displays "AT&T", signal strength, Wi-Fi, and the time "8:43 PM" with a 68% battery level. The app header includes a search bar with the text "Search for airport, route, tail, city". The main content area displays information for "KUZA: Rock Hill/York Co/Bryant Field", including its location, coordinates (34.99°N / 81.06°W), and sunrise/set times. A table lists flight rules (VFR), elevation (666' MSL), pattern altitude (1,666' MSL est.), fuel (Jet A, 100LL), and procedures (ILS, GPS, LOC, RNAV). A secondary table lists ASOS (120.775), clearance (126.85), UNICOM (123.05), CTAF (123.05), and approach/departure frequencies (120.05, 120.05). Below the table are tabs for Frequencies, Weather, Runways, Procedures, NOTAMs, Services, A/FD, and More. The NOTAMs tab is active, showing a list of NOTAMs for the last 30 days. The selected NOTAM is titled "NAVIGATION GPS IS UNRELIABLE AND MAY BE UNAVAILABLE WITHIN A RADIUS OF 270 NM AND CENTERED AT N31 05 35 W093 03 50 OR THE LOCATION ALSO KNOWN AS THE AEX VOR AT 251.4 RADIAL AND 30.5 NM AT FL400 AND ABOVE; DECREASING IN AREA WITH A DECREASE IN ALTITUDE TO A RADIUS OF 220 NM AT FL250; A RADIUS OF 150 NM AT 10,000FT MEAN SEA LEVEL; A RADIUS OF 110 NM AT 4,000 ABOVE GROUND LEVEL; AND A RADIUS OF 50 NM AT 50FT ABOVE GROUND LEVEL. 0000-1700 DAILY. 17 MAY 00:00 2011 UNTIL 29 MAY 17:00 2011. CREATED: 15 MAY 04:38 2011". The NOTAM includes update, effective, and expire dates. Below the NOTAM is a section for "Older" NOTAMs, with one titled "GA.. FLIGHT INSPECTION TEMPORARY AIRWAY ZTL. V5-V311-V417 NELLO, GA TO AWSON, GA". The bottom navigation bar includes icons for Airports, Maps, Plates, Imagery, File & Brief, Downloads, ScratchPad, and More.



Other Related Projects

- **AC 00-45G**
 - Remove terms such as “Primary” / “Supplementary”
 - Add new section on data linked weather in the cockpit
- **AIM Changes**
 - Chapter 7, Section 1
- **FAA Order 8900.1 Changes**
 - Includes removal of “Primary” / “Supplementary” from MET product lexicon
- **Airman written test questions**



Contact Information

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