AC 00-63 Rewrite Plan

Presented by: Roger Sultan, FAA, AFS-430
Date: October 11, 2011
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.
AC 00-63 Rewrite

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• FAA guidance outdated (e.g., FISDL)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
AC 00-63 Rewrite

• 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)
AC 00-63 Rewrite

• 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
AC 00-63 Rewrite

• 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
AC 00-63 Rewrite

• 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)
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

• Roger Sultan
  • FAA / AFS-430
  • roger.sultan@faa.gov
  • Ph. (202) 385-4320