Future Flight Technologies Branch (AFS-430) Projects and Contacts

Updated January 12, 2012

Aircraft Communication Systems  thomas.parmer@faa.gov
william.adams@faa.gov
-Data Link
  -CPDLC, ACARS, FANS, Airborne Internet, GOLD, SAT-Data Link

Voice Communications,  thomas.parmer@faa.gov
william.adams@faa.gov
-VDL Mode 2, 8.33 MHz, VHF, UHF, SAT Communication

Approvals/Guidance  thomas.parmer@faa.gov
  -Division Airworthiness Issues
  -Airworthiness Avionics System Operations

Support
PARC - Communications Working Group (CWG)
RTCA SC-214 Standards to Air Traffic Data Communication Services
RTCA SC-216 Aeronautical Systems Security
Lead: william.adams@faa.gov
  thomas.parmer@faa.gov

TCAS  roger.sultan@faa.gov
  -RTCA SC-147 Traffic Alert & Collision Avoidance System
  -FAA Collision Avoidance System Steering Committee

Aviation Weather  roger.sultan@faa.gov
  -Wake Vortex
  -Volcanic Ash
  -WTIC Weather technology in the Cockpit
  -JPDO
  -AIS & MET policy guidance lead (supported by Garret Livack)
Lead: roger.sultan@faa.gov

Electronic Flight Bag
Lead: brian.hint@faa.gov
ADS-B Technology Readiness
- RTCA SC-186 Automatic Dependent Surveillance – Broadcast (ADS-B)
- Traffic Situational Awareness with Alerts (TSAA) Operation Services and Environment Definition OSED & Minimum Operation Performance Standards (MOPS)
- Flight Interval Management (FIM)

Aircraft Access to System Wide Information Management (SWIM)

(AIS & MET) Aeronautical Information Services & Meteorological Data Link Services
- RTCA SC-206 Aeronautical Information Services (AIS) Data Link
- SAE G-10 MET & AIS ARP (Aerospace Recommended Practice)
- MET & AIS Data Link Concept of Use
- MET Crosslink and Downlink Operation Services and Environment Definition (OSED)
- Physical Architectures

FAA Aeronautical Information Management (AIM) Program

Data Bases (e.g., Aerodrome, Terrain, and Obstacles) and applications
- SC-217 Terrain and Airport Databases
- DO-257A MOPS for the Depiction of Navigation Information on Electronic Maps
- DO-201A Standards for Aeronautical Information

Other Technical Standards Development
- SAE G-10 Aerospace Behavioral Engineering Technology
- AEEC Engineering Standards for Aircraft Systems
- OGC Open Geospatial Consortium