

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

Lead: garret.livack@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