



Summary of AFC Fall 2015 Meeting

AFC Fall 2015 – Montreal

Topics



- VDLM2 Spectrum Planning
- ACARS Migration
- FCC Regulatory fees
- Spectrum congestion and monitoring
- AFC Documentation review
- WRC-15 position
- LightSquared
- New AFC Chairmen

VDLM2 Spectrum Planning



- Draft proposal for new VDLM2 channel justification
 - Based on 95% percentile latency requirement
 - Using historical trends
- New FAA proposal for lower 136 MHz VDLM2 band plan
 - Included guidance on FAA clearance process
- Would require moving of ASRI voice users to lower 136 MHz band
 - ASRI and Harris reviewing the proposal for technical and operational reasons

ACARS Migration



- ARINC/RC and SITA migrating secondary ACARS networks
 - SITA completed 136.650 MHz in Sep 2015
 - SITA's 136.575 MHz planned for Oct 2015
 - ARINC migrated 136.800 MHz in Sep 2015
- SITA ACARS base frequency planned for 2016/2017
 - Moving to 131.725 MHz
 - Dual coverage of 136.850 MHz during transition period

FCC Regulatory Fees



- FCC attempted to raise regulatory fees
 - 17% increase over 2014
 - 100% increase in 2013
- AFC membership petition against the increase
 - 8 signatories in addition to ASRI
- FCC overturned decision
 - Actually reduced fees by 33%

Spectrum Congestion and Monitoring



- Reports from airlines that VDLM2 message traffic is not efficient on new aircraft
 - B787 singled out, but A350/A380 concerns too
 - Congestion levels pushing out airline AOC and AAC messages
- Creating additional overhead and eventual network congestion
 - Critical when in context of DataComm latency requirement and costs (end user and CSP)
- Coordinate approach to manufacturers to find a solution
 - Current and future airframes

AFC Documentation Review



- Review the AFC documentation over 2015/2016
 - Coordinated with AFC meetings
 - AFC manual approval targeted for Q1 2016
 - Other documentation will then be updated during 2016
- Review is intended to update and rationalize
 - Reflect how we would want to do it in a practical manner
 - Requires approval from ASRI BoD to finalize

WRC-15 Preparation



- ICAO presentation to AFC meeting on WRC-15
 - IATA unavailable
- 15 agenda items relevant to aviation
 - AFC planning to focus on 6 agenda items
- Minor modifications to plan from AFC comments
 - GFT
 - WAIC



- DoT developing adjacent band test plan
 - Test devices for Interference Tolerance Model (ITM)
 - Simplified plan to test for AGC overload
 - 1dB degradation in C/N measurement
 - Potential AFC comments on minor tweaks
- LS test plan in FCC
 - Separate from DoT's plan
 - Focused on KPI's rather than RF metric
- AFC may file on both test plans
 - Minor changes for DoT
 - Major concerns with LS plan

New AFC Chairmen



- Terry Gambill (PHI) finished his term
- Mr. Vytas Cerniauskas – ACG (secondary for ASA) new chairman
- Jeff Monroe (ASA) elected as new vice chair



Questions?