ICAO Update

ICAO Update

- Frequency Spectrum Management Panel (FSMP)
  - 6-16 Sep, Montreal

- European Frequency Management Group (FMG)
  - 8-10 June, Paris

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FSMP

- Main focus was to complete the initial ICAO position for the ITU-R WRC-19
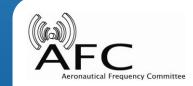 - 1.10 – GADSS

Function	Spectrum Category
Normal Tracking	any type of spectrum properly allocated, on a primary basis, for the function being performed
Surveillance Tracking	only protected aeronautical safety spectrum can be used.
Distress Tracking	only protected aeronautical safety spectrum, or protected distress spectrum (e.g., 406.1 MHz), can be used
Data Retrieval (not used for real-time functions)	any type of spectrum properly allocated, on a primary basis, for the function being performed

- Radio altimeter and WAIC
  - Operational Scenarios to study
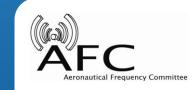
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FSMP #2

- UAS over FSS
  - ITU Liaison Statements from RPAS panel
  - Beyond Line of Sight Operation
- ICAO Handbook updates
  - Spectrum strategy

What is the Frequency Management Group (FMG)?

- The Frequency Management Group (FMG)
  - ICAO sponsored group, established by the European Air Navigation Planning Group (EANPG)
  - Pursue aeronautical frequency spectrum management in support to the relevant ICAO Objectives
  - Membership includes European States as well as Eurocontrol, IAOPA and IATA
  - Observers include datalink service providers and ASRI

FMG to vote on proposed VDL Frequency plan

- Proposed frequency spectrum for VDL 2 sub-band
  - 136.700 to 136.975 MHz.

- 2 VDL Mode 2 On-Airport alternate frequencies
  - may be operated in a co-site environment along with the Common Signaling Channel as long as the required 18.3m separation is observed.

- En-route assignments require a minimum of 1.6 km of separation between the transmitter antennas providing for the CSC and two VDL alternates.

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Proposed VDL Frequency Plan

VHF Frequency (MHz)	Allocation	Notes
136.975	Common Signalling Channel (CSC)	VDLM2
136.950	Guard Band Channel	Unused
136.925	VDLM4 CSC	VDLM4 (>1.6 km separation)
136.900	Guard Band Channel	Unused
136.875	VDL SITA On Airport	VDLM2 Co-Site (18.3 m)
136.850	Guard Band Channel	Unused
136.825	Enroute VDL RC Off Airport	VDLM2 (>1.6 km separation)
136.800	Guard Band Channel	Unused
136.775	Enroute VDL SITA Off Airport	VDLM2 (>1.6 km separation)
136.750	Guard Band Channel	Unused
136.725	VDL RC On Airport	VDLM2 Co-Site (18.3 m)
136.700	Guard Band Channel	Unused

Upcoming FMG meeting

- Next FMG Meeting November 14-18 at ICAO Paris