



**ORGANIZACIÓN DE LOS ESTADOS AMERICANOS
ORGANIZATION OF AMERICAN STATES**

**Comisión Interamericana de Telecomunicaciones
Inter-American Telecommunication Commission**

**46 MEETING OF PERMANENT
CONSULTATIVE COMMITTEE II:
RADIOCOMMUNICATIONS
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RECOMMENDATION PCC.II/REC. XXX (XLVI-25)

**RECOMMENDATION ON THE USE OF THE BAND 117.975-137 MHz BY THE
AERONAUTICAL MOBILE-SATELLITE ROUTE SERVICE**

The 46 meeting of Permanent Consultative Committee II: Radiocommunications,

CONSIDERING

- a) that Resolution 406 from WRC-23 entered into force on December 15, 2023, which includes:
 - i) that the optimization of air traffic management (ATM) over oceanic and remote areas necessitates appropriate aeronautical surveillance and communication means, in order to meet the required communication performance for reduced aircraft separation minima;
 - ii) that the allocation of the frequency band 117.975-137 MHz to the aeronautical mobile satellite (R) service (AMS(R)S) is intended for the relay via satellite of VHF communications under the aeronautical mobile (R) service (AM(R)S), in order to complement terrestrial communication infrastructures when aircraft are operating in oceanic and remote areas;
 - iii) that the AM(R)S VHF channels have become congested in certain regions, and AMS(R)S systems must be operated in a way that does not limit or interfere with the effective use of AM(R)S VHF systems.
- b) that AM(R)S and AMS(R)S represent two distinct radiocommunication services operating within the frequency band 117.975–137 MHz, utilizing the same onboard cockpit avionics system for aeronautical VHF communications to support both ground-based and satellite-based communications;
- c) that in-band coexistence between the AM(R)S and AMS(R)S and adjacent-band coexistence between the ARNS (aeronautical radionavigation service) and AMS(R)S around 117.975 MHz needs to be ensured through frequency planning and coordination work;

RECOGNIZING

- a) that the frequency band 117.975-137 MHz is allocated on a primary basis to the AM(R)S and is used by air-ground, air-air and ground-air systems operated in accordance with ICAO standards and recommended procedures (SARPs), providing critical voice and data communications for ATM on a global basis;
- b) that Annex 10 to the Convention on International Civil Aviation contains SARPs for safety aeronautical radionavigation and radiocommunication systems used by international civil aviation,
- c) that before AMS(R)S satellite services become operational, both ICAO's SARPs and frequency channel plans must be finalized and implemented to ensure safe, effective, and compatible use of the band;

RECOMMENDS

- 1) that CITELE member states consider initiating the regulatory and technical processes necessary to allocate use of the 117.975-137 MHz band for AMS(R)S in a timely manner and taking into account ICAO's ongoing development of SARPs and frequency channel plans, so that the AMS(R)S allocation and associated operational frameworks will be ready for timely deployment once ICAO SARPs and frequency channel plans are finalized;
- 2) that aviation experts within CITELE member states actively follow and engage in ICAO activities related to the use of the frequency band 117.975-137 MHz for the AMS(R)S, including participation in the Frequency Spectrum Management Panel (FSMP) and the Space-Based VHF Correspondence Group, or through their designated ICAO representatives, to ensure aviation interests are effectively represented and incorporated;
- 3) that, in compliance with Resolution 406 adopted by WRC-23, electromagnetic compatibility with existing aeronautical and non-aeronautical systems operating in the band continue to be ensured.