



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

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Item 3: Strengthening collaboration to address frequency challenges

Session 5: Regional coordination and action planning and Wrap up

Virtual Workshop on Aeronautical Frequency Management for the WACAF Region, from 4 to 5 December 2025

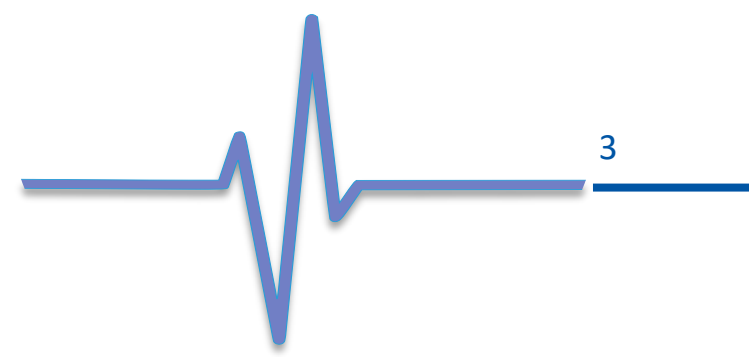
*Atelier virtuel sur la gestion des fréquences aéronautiques – Région WACAF
4 au 5 décembre 2025*

SESSION 5: REGIONAL COORDINATION AND ACTION PLANNING

ICAO WACAF Regional Office

Date: 5 December 2025

Outline



01 Challenges

02 Recommendations

03 Regional cooperation
and action planning

AASPG Infrastructure and Information
Management Sub Group CNS related
projects

1. Challenges

Following the discussions during the two-day Virtual Workshop on Aeronautical Frequency Management for the WACAF Region (4–5 December 2025), the following key challenges were identified:



Interference risks:

- ✓ States are experiencing interferences on VHF, VSAT,
- ✓ FM stations and 5G networks can pose serious threats to air safety.



Aeronautical Frequency Data verification:

- ✓ Aeronautical frequency data verification and confirmation remain pending in the WACAF Region.
- ✓ States are requested to finalize data verification and confirmation for onward transmission to ICAO HQ.



ICAO's position for WRC-27 awareness:

- ✓ States need increased awareness of ICAO's Position for WRC-27, and the Position should be shared widely.



GNSS RFI issues:

- ✓ States face GNSS interference challenges, requiring best practices, capacity-building, experience sharing, guidance materials, and dedicated workshops.

1. Challenges (cont'd)

key challenges identified (cont'd):



Training and capacity building needs:

- ✓ Additional training is required on the use of the Frequency Finder tool.
 - Frequency Finder 2 (web-based) coming in 2026



Assistance need in Regional coordination:

- ✓ Regional forum is needed to address spectrum management issues.
- ✓ Needs for Workshops and assistance mission on spectrum related matters



National coordination (CAA, National Telecom authorities, ..):

- ✓ Some States must strengthen collaboration with telecom/spectrum authorities; a template MoU was requested by several States.



C-Band protection:

- ✓ Safeguarding VSAT systems in C-Band against 5G interference and protecting C-Band used for AFI Networks remains a priority.

2. Recommendations

1. Safeguard aeronautical spectrum

- ✓ Ensure protection of aviation frequency bands from harmful interference caused by FM broadcasting and 5G deployments through proactive coordination

2. Strengthen ICAO Spectrum Global Policy alignment

- ✓ Disseminate ICAO's Position for WRC-27 widely and raise awareness through simplified materials, webinars, and targeted workshops.
- ✓ Encourage States/ to review ITU technical reports to complement ICAO guidance (and ICAO position) and support informed national positions.

3. Encourage the use of ICAO Spectrum Management Tool (Frequency Finder)

- ✓ Accelerate use of ICAO's Frequency Finder tool, supported by training and awareness campaigns.
- ✓ Ensure States update their aeronautical frequency databases promptly.

4. Build Capacity and Awareness

- ✓ Organize regular seminars and awareness sessions on aeronautical frequency spectrum management for regulators and ANSPs.
- ✓ Share best practices for GNSS interference detection and mitigation, including contingency procedures and case studies.

2. Recommendations (cont'd)

5. Improve Coordination and Reporting

- ✓ Encourage States to systematically coordinate frequency assignment and report spectrum deficiencies to ICAO Regional Offices.
- ✓ Establish a regional coordination framework for spectrum management, enabling experience sharing and joint problem-solving (*through AASPG IIM Sub group Spectrum project*)

6. Provide targeted assistance on Spectrum related issues

- ✓ Offer technical assistance missions to States, including sharing draft of MoUs with telecom authorities, updating regulatory texts, managing interference, and maintaining databases

7. Optimize Frequency coordination and validation operational processes

- ✓ Reduce delays in processing frequency compatibility requests by streamlining workflows and improving communication between stakeholders. [ICAO Regional Office]


2. Recommendations (cont'd)

8. Strengthen Regional Expertise

- ✓ Nominate qualified experts to participate in the IIM SG CNS Projects (SPECTRUM, COM), ensuring regional representation and contribution to global CNS initiatives.

Infrastructure and Information Management Sub group CNS projects : Phase 1 : 2026 -2028

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(SPEC)**



**Modernization of Air-
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Thank You

