



Agenda Item 3: Report on activities, deliverables and implementation progress of the GT Interop and Subgroups

PROGRESS AND PLANNED ACTIVITIES FOR AERONAUTICAL FREQUENCY SPECTRUM MANAGEMENT IN THE SAM REGION

(Prepared by the Secretariat)

SUMMARY

This information paper presents activities carried out and planned to strengthen aeronautical frequency spectrum management in the SAM Region. It reports on the updating and validation of aeronautical frequency assignments, use of Frequency Finder, coordination among States and activities planned for the second half of 2026, particularly the World Radiocommunication Conference 2027 (WRC-27) Workshop for the NAM/CAR/SAM Regions and the Twenty-Third Meeting of the Frequency Spectrum Management Panel Working Group (FSMP-WG/23).

References:

- Regional Project RLA/06/901
- Annex 10 - Aeronautical Telecommunications
- Handbook on Radio Frequency Spectrum Requirements for Civil Aviation - Doc 9718
- CAR/SAM Air Navigation Plan
- ICAO frequency management tools - Frequency Finder
- WRC-27 NAM/CAR/SAM Workshop, Lima, 31 August to 1 September 2026
- FSMP-WG/23, Lima, 2 to 11 September 2026

1. Background

1.1 The radio frequency spectrum is an essential resource for the operation of communications, navigation and surveillance (CNS) systems used by civil aviation.

1.2 Growing spectrum demand from different services and technological evolution requires increasingly coordinated management of bands allocated to aeronautical services.

1.3 In this context, the SAM Region has been conducting activities to improve the planning, recording and coordination of frequency assignments and to strengthen States' capabilities to protect the aeronautical spectrum.

2. Analysis

Updating frequency assignments

2.1 SAM States continue to be encouraged to review, update and validate information on frequency assignments used by aeronautical services.

2.2 Up-to-date information is essential for adequate compatibility analyses, coordination of new assignments and identification of potential harmful interference.

2.3 It is particularly important to keep information on facilities near FIR boundaries current, where coordination with one or more adjacent States may be required.

Use of Frequency Finder

2.4 Use of ICAO frequency management tools, particularly Frequency Finder, continues to be promoted as a mechanism to support planning and coordination of aeronautical assignments.

2.5 To obtain maximum benefit, States need to keep their records current and promptly communicate modifications, new assignments or withdrawals.

2.6 Support will continue for the use of these tools and for strengthening the technical capabilities of focal points responsible for frequency management in SAM States.

Regional coordination

2.7 Efficient spectrum management requires permanent coordination among civil aviation authorities, ANSPs and national administrations responsible for the radio spectrum.

2.8 At regional level, such coordination is particularly important to prevent harmful interference, facilitate the introduction of new CNS technologies and protect frequency bands required for the provision and evolution of air navigation services.

Preparation for WRC-27

2.9 The next ITU World Radiocommunication Conference (WRC-27) will address matters that may affect the use and protection of spectrum allocated to aeronautical services.

2.10 To strengthen regional preparation, a WRC-27 Workshop for the SAM, CAR and NAM Regions will be held in Lima, Peru, from 31 August to 1 September 2026.

2.11 This activity will increase States' knowledge of WRC-27 agenda items of interest to aviation and facilitate better coordination between aeronautical authorities and national telecommunications administrations.

FSMP-WG/23

2.12 Immediately following the WRC-27 Workshop, the Twenty-Third Meeting of the Frequency Spectrum Management Panel Working Group (FSMP-WG/23) will be held in Lima from 2 to 11 September 2026.

2.13 Holding these activities in the Region provides an opportunity to strengthen participation and training of SAM States in international spectrum management processes and improve regional coordination on matters affecting civil aviation.

Activities through the end of 2026

2.14 During the remaining months of 2026, work will continue on updating and validating regional assignments, using Frequency Finder, and following up matters identified during the WRC-27 Workshop and FSMP-WG/23.

2.15 Coordination will continue to be promoted between CNS/spectrum focal points of SAM States and their national telecommunications administrations, with a view to strengthening protection of aeronautical bands and regional preparation for WRC-27.

2.16 Continuous updating of frequency information, use of common tools, coordination among States and active participation of aeronautical authorities in national and international spectrum-management processes are fundamental to ensure availability and protection of frequencies required by CNS systems.

2.17 Activities planned for the second half of 2026 will strengthen the capabilities of SAM States and advance toward more coordinated regional management of the aeronautical spectrum.

3. Suggested actions

3.1 The Meeting is invited to:

- a. take note of the information presented on activities carried out and planned to strengthen aeronautical frequency spectrum management in the SAM Region;
- b. encourage States to keep information on their aeronautical frequency assignments updated and validated;
- c. continue promoting the use of ICAO frequency management tools, particularly Frequency Finder, to support planning, analysis and coordination of assignments;
- d. strengthen coordination among civil aviation authorities, air navigation service providers and national administrations responsible for the radio spectrum;
- e. promote bilateral or multilateral coordination among States when frequency assignments may affect areas near FIR boundaries;
- f. encourage participation of SAM States in activities planned during 2026 related to WRC-27 preparation and the work of the Frequency Spectrum Management Panel (FSMP); and
- g. follow up, during the remainder of 2026, the updating of regional databases, use of Frequency Finder and actions arising from regional spectrum-management meetings and workshops.

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