



## APPENDIX A

### ICAO SOUTH AMERICAN REGIONAL OFFICE

#### NEMOTECNIC PAPER

<b>RADIO NAVIGATION WORKSHOP FOR THE NAM/CAR/SAM REGIONS (Lima, Peru, September 2-4, 2026)</b>	
<b>General Information</b>	<p>The ICAO South American Regional Office develops regional activities aimed at strengthening the safety, capacity, efficiency and resilience of air navigation systems in the SAM Region, in alignment with the Global Air Navigation Plan (GANP), the Regional Air Navigation Plans and ICAO's ASBU initiatives.</p> <p>In this context, activities related to air navigation aids, GNSS systems, radio interference mitigation, in-flight inspection and CNS resilience are fundamental elements to ensure the safety, continuity and efficiency of air navigation services in the NAM/CAR/SAM Regions.</p> <p>The Workshop will strengthen regional coordination between States, International Organizations, Industry and CNS/ICT specialists, promoting the exchange of experiences and best practices related to GNSS-based air navigation and its associated systems.</p>
<b>ICAO's Strategic Objectives</b>	<p>A- Operational Safety; y</p> <p>B- Air Navigation Capacity and Efficiency.</p>
<b>Current situation in the NAM/CAR/SAM Region</b>	<p>The NAM/CAR/SAM Regions continue to make progress in the implementation of GNSS-based air navigation solutions and augmentation systems, in line with the GANP, Regional Air Navigation Plans and ASBU initiatives.</p> <p>At the same time, States and international organizations have expressed growing concern regarding the operational impact of radio frequency interference over GNSS (GNSS-RFI), including jamming and spoofing phenomena, which affect the continuity and reliability of air navigation services.</p> <p>There is also regional interest in strengthening capacities related to GNSS vulnerability monitoring, mitigation mechanisms, regional information exchange, and harmonized reporting procedures.</p> <p>In this context, the Workshop will provide a technical space for regional coordination to analyze the current status of implementation of radionavigation aids, GNSS augmentation systems (GBAS, ARAIM and others), GNSS-RFI monitoring capabilities, emerging trends, in-flight inspection of radio aids and regional technical cooperation mechanisms.</p>
<b>Nature of the event</b>	<p>The Workshop aims to provide a regional space to discuss challenges, share experiences and exchange best practices related to air navigation systems and GNSS-associated vulnerabilities in the NAM/CAR/SAM Regions.</p> <p>The event will address, among other topics: ICAO activities and provisions related to radionavigation; global developments associated with GNSS systems and augmentation systems; implementation and challenges associated with GBAS and ARAIM; GNSS vulnerabilities and emerging trends; operational impact of GNSS-RFI interference; perspectives of States, manufacturers and users of airspace; GNSS-RFI monitoring capabilities; in-flight inspection of air navigation aids; group activities aimed at developing regional reporting and coordination mechanisms.</p>

	<p>The Workshop will also strengthen regional technical cooperation and support future initiatives related to CNS resilience, operational continuity and regional harmonization of procedures related to air navigation.</p>
<b>Profile of the participants</b>	<p>The Workshop is aimed at: CNS and air navigation specialists from the NAM/CAR/SAM Regions; technical staff responsible for GNSS systems, air navigation aids and augmentation systems; specialists in monitoring and mitigation of GNSS-RFI interference; inspectors and specialists related to in-flight inspection of radio aids; ATM, ICT and cybersecurity specialists associated with CNS infrastructure; representatives of civil aviation authorities, ANSPs, industry, manufacturers and international organizations.</p>
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