



## ICAO SOUTH AMERICAN REGIONAL OFFICE

### MNEMONIC NOTE

<b>Workshop on Generative Artificial Intelligence Basics for Civil Aeronautics Inspectors</b> (Lima, Peru, October 20-23, 2026)	
<b>Regional Strategy for Implementation in the Area of Air Transport</b>	<ul style="list-style-type: none"> <li>- Competitiveness</li> <li>- Innovation</li> </ul>
<b>ICAO's Strategic Objectives</b>	<ul style="list-style-type: none"> <li>- All flights are safe and secure</li> <li>- No Country Left Behind</li> </ul>
<b>Objective of the Meeting</b>	<p>Train the inspectors of the Civil Aviation Authorities of the SAM Region in the responsible integration of Generative Artificial Intelligence. The aim is to optimize safety oversight and administrative management by taking advantage of the latest technological developments, always ensuring human oversight, transparency and alignment with ICAO's global strategic framework.</p>
<b>Activities carried out by the SAM Region</b>	<p>The SAM Regional Office has led an initial diagnostic phase by identifying technological innovation needs in the AACs of South America. Coordination has been maintained with ICAO headquarters in Montreal to align regional efforts with the Report of the 42nd Assembly, which highlights artificial intelligence as the central axis of aeronautical innovation. Likewise, the consolidation of a network of focal points has begun to centralize digital transformation efforts in the region.</p>
<b>Current situation of the SAM Region</b>	<p>At present, SAM Region States have growing interest in adopting AI-based productivity tools; however, there is a lack of an overarching strategic framework and harmonized governance guidelines. The current implementation is fragmented, which creates challenges in terms of data protection, information security and the standardization of surveillance processes. There is an urgent need to unify criteria to avoid technological gaps between Member States.</p>

<p><b>Nature of the event</b></p>	<p>The event is of a technical-practical and training nature. It combines theoretical knowledge transfer sessions with hands-on workshops. The workshop fosters a collaborative learning environment where solving real problems of aeronautical surveillance is prioritized, using simulation environments to ensure that technological adoption is safe, ethical and measurable.</p>
<p><b>Competitions that the event will generate</b></p>	<p>By the end of the workshop, participants will have developed the following competencies at a basic level:</p> <ul style="list-style-type: none"> <li>- Context Engineering: Ability to structure complex technical requirements that generate accurate and validated results.</li> <li>- AI risk management: Ability to identify vulnerabilities, biases, and limitations in language models within the regulatory environment.</li> <li>- Optimization of surveillance processes: Proficiency in the use of IAGen tools for the automation of draft reports, minutes and checklists.</li> <li>- Ethical criteria and transparency: Faculty to apply the principle of "human in command" in technology-assisted decision-making.</li> </ul>
<p><b>Profile of the participants</b></p>	<p>The workshop is designed for AAC staff who perform roles in the following areas:</p> <ul style="list-style-type: none"> <li>- Safety Inspectors: Specialists in airworthiness, operations, licenses, air navigation or aerodromes who seek to optimize their surveillance tasks and improve their knowledge on the use of basic generative artificial intelligence tools.</li> <li>- Administrative and Technical Staff: Responsible for document management, technical writing or certification support.</li> </ul>
<p><b>Next steps in strategy development</b></p>	<p>Following the conclusion of the workshop, the regional strategy will focus on:</p> <ul style="list-style-type: none"> <li>- Consolidation of the SAM Community of Practice: Establishment of a formal channel for the exchange of success stories and lessons learned on the responsible use of AI.</li> <li>- Contribution to the Global Framework: Collaboration with ICAO headquarters in collecting regional data and experiences to feed into the future global strategic framework.</li> <li>- Language expansion: Preparation and launch of the edition of the workshop for English-speaking States during the first half of 2027.</li> </ul>
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