



## Agenda

### Item 1: ANS context (ATM/CNS) Global and Regional level

## STATUS REVIEW OF CONCLUSIONS ADOPTED BY SAM/IG MEETINGS

(Presented by the Secretariat)

SUMMARY	
The purpose of this working paper is to allow the Meeting to review the status of implementation by SAM States of valid conclusions and pending activities made by the workshops/meetings of the SAM Implementation Group (SAM/IG).	
Reference	
<ul style="list-style-type: none"><li>• Reports of the workshops/meetings of the SAM Implementation Group (SAM/IG).</li></ul>	
<b>ICAO strategic objectives:</b>	<i>A - Safety</i> <i>B – Air navigation capacity and efficiency</i> <i>E – Environmental protection</i>

### 1. Background

1.1 The workshops/meetings of the SAM Implementation Group have produced a series of agreements, which translated into conclusions showing the actions to be taken by the Implementation Group and/or by the States, as well as activities assumed by the working groups.

1.2 This working paper contains a review of valid conclusions, as well as pending activities of the workshops/meetings of the SAM Implementation Group SAM (SAM/IG).

### 2. Discussion

2.1 Previous SAM/IG meetings formulated conclusions and adopted a series of activities aimed at the implementation of various functions to allow the Region to evolve in a sustained manner towards the application of the global ATM concept of operations.

2.2 In addition, the review of the SAM/IG conclusions allows monitoring the development of GESEA and GT INTEROP initiatives based on a harmonized annual work plan.

*Summary of the status of implementation of tasks and conclusions*

2.3 To show the status of implementation of the conclusions and action taken, an updated list has been developed, shown in **Appendix A** to this working paper. The attached information refers to information available at the Secretariat with reference to each agenda item.

2.4 The list of conclusions and actions includes:

- a) tasks to be carried out and/or the corresponding conclusion in the areas under analysis;
- b) specific tasks leading to the accomplishment of the main task;
- c) expected results of each task;
- d) completion dates;
- e) parties responsible for their implementation;
- f) members who will support the task; and
- g) status of implementation of the task and, when so required for better understanding, an explanatory note on the status of implementation.

2.5 The Meeting should review each task identified and comment on the resulting specific tasks, consider the need for modifying the completion date, and the status of implementation of each task.

2.6 The Meeting must also complete the **follow up table** indicating the tasks under responsibility of the States and their corresponding progress, therefore, it was made available to the States in Word format (Spanish and English versions), in the following link:

<https://oaci.sharepoint.com/:f:/r/sites/SAM-CAR-ANS-GESEA/Shared%20Documents/GESEA/SAMIGs/TABLAS%20CONCLUSIONES%20SAMIG?csf=1&web=1&e=Yfcs5W>

### 3. **Suggested action**

3.1 The meeting is invited to:

- a) Request the various sub-groups and working groups to analyse the tasks in their areas of expertise, as shown in **Appendix A** to this working paper, assess each task and its status of implementation, and complete the information as applicable;
- b) request States to complete the **follow up table** regarding tasks under responsibility of their respective administrations;
- c) if necessary, adopt the relevant course of action regarding each task; and
- d) discuss any other issues it may deem appropriate.

## APPENDIX A

## STATUS OF IMPLEMENTATION OF CONCLUSIONS AND/OR TASKS EMANATING FROM SAM/IG MEETINGS

(Updated at SAM/IG/28, October 2022)

No.	Tasks to be developed	Specific tasks	Deliverables (Completion date estimated)	Execution status
1-1  1	<p><b>Conclusion SAM/IG/14-6: Projects and/or action plans for PBN redesign of the main South American TMAs</b></p> <p>That SAM States:</p> <p>a) send the project and/or action plans for PBN redesign of the main TMA(s) selected by their Administration, in order to complete the SAM PBN Project that is contained in Appendix J to this part of the Report, to the SAM Regional Office by 31 December 2014;</p> <p>b) send the corresponding updates to the aforementioned project and/or plans to the SAM Regional Office as soon as possible, so as to ensure harmonisation of activities under the SAM PBN Project.</p>	<p>Designation of the airspace selected for optimisation with the implementation of PBN</p>	<p>Indicate the selected airspace for redesign or optimisation</p> <p>Report on updates</p> <p><b>SAMI/IG/25</b></p>	
1-2  2	<p><b>Conclusion SAM/IG/21-01: Objectives of harmonised PBN implementation at regional and interregional level</b></p> <p>That SAM States, organisations, users, and stakeholders, double efforts to meet regional and interregional performance-based air navigation implementation goals, based on GREPECAS projects, and contemplating the strengthening of national PBN implementation plans so that they include performance indicators and the use of recognised project management tools and methods.</p>	<p>Updating of regional PBN action plans and State action plans.</p> <p>Follow-up to PBN implementation and specific assistance to States.</p>	<p>PBN implementation plans executed</p> <p><b>SAM/IG/26</b></p>	

No.	Tasks to be developed	Specific tasks	Deliverables (Completion date estimated)	Execution status
1-3  3	<p><b>Conclusion SAM/IG/25-04 Adoption of the Regional guide on the implementation of PBN visual runway procedures</b></p> <p>SAM States adopt the Regional guide on the implementation of PBN visual runway procedures developed by GESEA and, on this basis, approve national regulations on the implementation of these procedures.</p>	<p>Adopt the Regional guide on implementation of PBN procedures for visual runways</p>	<p>Publish the national regulation on implementation of PBN procedures for visual runways</p> <p><b>As soon as possible</b></p>	
1-4  4	<p><b>Conclusion SAM/IG/27-01 Adoption of the SAM Airspace Operational Concept 2022-2026 (EC/SAM CONOPS)</b></p> <p>That States adopt document SAM Airspace Operational Concept 2022-2026 (EC/SAM CONOPS), prepared with the purpose of supporting the studies of ATM specialists and planners involved in the formulation of Volume III of the CAR/SAM ANP, facilitating the understanding of the methodology of Doc 9883 set forth in the GANP.</p>	<p>Adopt EC/SAM CONOPS</p>	<p>Use technical references and guidance for regional ATM and ANS planning.</p> <p><b>No later than October 2023</b></p>	
1-5  5	<p><b>Conclusion SAM/IG/27-02 Adoption of the 2022–2026 Roadmap: Performance-based optimisation of SAM airspace</b></p> <p>That States adopt the 2022–2026 Roadmap: Performance-based optimisation of SAM airspace, and align their national PBN implementation plan based on the metrics and deadlines set forth in the document</p>	<p>Adopt the performance-based optimisation roadmap</p>	<p>Use technical references and guidance for regional PBN implementation. Alignment with implementation metrics.</p> <p><b>No later than October 2023</b></p>	

No.	Tasks to be developed	Specific tasks	Deliverables (Completion date estimated)	Execution status
1-6  6	<p><b>Conclusion SAM/IG/28-01 Improvements to the ATS letters of operational agreement, with regard to their content, implementation, validity and subscription process</b></p> <p>That:</p> <p>a) SAM/IG and its contributory bodies promote studies and activities for the development of regional guidance material on criteria for the efficient and safe use of ATS LOAs, with regard to their content, implementation, validity and subscription process</p> <p>b) ATS service providers and/or competent ATS authorities, while implementing the recommendation of item a) above, coordinate and manage with their counterparts the review and update of inter-State ATS LOAs, if possible, once (01) a year.</p>	<p>Drafting of regional guidance material on the management of ATS operational agreements (ATS LOAs)</p> <p>Assistance and follow-up by the Secretariat for the review and updating of ATS LOAs.</p>	<ul style="list-style-type: none"> <li>Regional guidance material on management of ATS LOAs</li> <li>ATS LOAs reviewed and updated, if possible, once a year</li> </ul> <p><b>SAM/IG/31</b></p>	
2-1  7	<p><b>Conclusion SAM/IG/23-04: Procedure to be applied in case of radioactive clouds or accidental release of radioactive material</b></p> <p>That the civil aviation authority and/or ATS authorities, in coordination with meteorological authorities and/or meteorological watch offices, implement procedures related to the production of SIGMETs in order to:</p> <p>a) Ensure that their ATS/MET cooperation agreements include the exchange of information on radioactive material in messages exchanged between ATS and MET units;</p> <p>b) Foresee training for ATS staff on procedures related to receiving information from the London VAAC concerning radioactive material;</p> <p>c) Coordinate the inclusion of the accidental release of radioactive material or the presence of radioactive clouds in their contingency plans.</p>	<p>Develop and sign ATS MET cooperation agreements, including information on radioactive material in messages exchanged</p>	<p>ATS MET cooperation agreements signed.</p> <p><b>SAM/IG/26</b></p>	

No.	Tasks to be developed	Specific tasks	Deliverables (Completion date estimated)	Execution status
2-2  8	<p><b>Conclusion SAM/IG/21-02: Consolidation of the implementation of 40NM longitudinal separation minima between adjacent FIRs in the SAM Region and promotion of the Action Plan for the implementation of a 20NM separation</b></p> <p>That SAM States take action and apply procedures in the ACCs to consolidate the implementation of 40NM longitudinal separation minima and give priority to the execution of the action plan for the implementation of standard 20NM separation minima between adjacent FIRs in SAM continental airspace.</p>	Follow-up to the implementation of the 40NM separation, follow-up to the Action Plan for the implementation of 20NM minima, and specific assistance to States.	Implementation of 20NM longitudinal separation minima in continental airspace.  <b>SAM/IG/25</b>	
2-3  9	<p><b>CONCLUSION SAM/IG/25-01 Implementation of strategic direct routing - EDE</b></p> <p>SAM States analyse the guidance material prepared by GESEA SGI on the strategic direct routing (EDE) concept, which has been made available to the administrations, and coordinate its implementation with IATA and international airlines, as well as with adjacent States.</p>	Follow-up to EDE implementation  Fuel savings analysis provided by airlines.	Issuance of AIC and/or SUP AIP on EDE by States  <b>As soon as possible</b>	
2-4  10	<p><b>Conclusion SAM/IG/27-03 Adoption of amendment 1 of the SAM ATS Contingency Framework Plan (MCATS / SAM) and alignment of national plans</b></p> <p>That States adopt the guidelines of the SAM ATS Contingency Framework Plan, incorporating Amendment 1 that includes Appendix E and Appendix I, in order to finalise and publish their national ATS contingency plans, and have that documentation available for regional events on optimisation of ATS coordination and contingency plans (SOUTH SAM and NORTH SAM), scheduled for the second half of 2022.</p>	Follow-up to the harmonisation of ATS contingency plans	Issuance of national ATS contingency plans by States, aligned with MCATS.  <b>No later than 31 July 2022</b>	





No.	Tasks to be developed	Specific tasks	Deliverables (Completion date estimated)	Execution status
3-3  14	<p><b>Conclusion SAM/IG/26-02 Adoption of the Guide for the implementation of ATFM in the SAM Region 2022- 2026</b></p> <p>The States adopt the Guide for the implementation of ATFM in the SAM Region 2022-2026, harmonised with the objectives of regional integration of this service and taking into account the implementation phases and deadlines foreseen.</p>	<p>SAM States to implement national or cross-border ATFM services that are suited to the air traffic flow managed by their ATS services and that duly contribute to the solution of demand/capacity imbalances in the Region.</p>	<p>States applying the Guide and reaching Phase IV of implementation.</p> <p><b>December 2026</b></p>	
3-4  15	<p><b>Conclusion SAM/IG/27-04 Adoption of the Manual on Calculation of Runway and ATC Sector Capacity</b></p> <p>States adopt the Manual on Calculation of Runway and ATC Sector Capacity, and carry out calculation activities at their airports and ATS units, recognising that it is essential to have updated data to provide efficient ATFM services.</p>	<p>Implementation of a common methodology for runway and ATC sector capacity calculation in the SAM Region</p>	<p>Runway and ATC sector capacity calculations updated.</p> <p><b>December 2026</b></p>	
5-1  16	<p><b>Conclusion SAM/IG/25-06 Approval of the ATM/FPL Roadmap and of the format for flight plan acknowledgment (ACK) and rejection (REJ) messages and associated messages</b></p> <p>That States:</p> <p>a) Approve the ATM/FPL Roadmap and the format for flight plan acknowledgment (ACK) and rejection (REJ) messages and associated messages; and</p> <p>b) Adopt the guidelines and procedures of the ATM/FPL Roadmap.</p>	<p>Adoption of the ATM/FPL Roadmap by States.</p>	<p>- Roadmap implemented</p> <p>- Mitigate the occurrence of errors and duplication /multiplicity of flight plans, also providing feedback to the originators of FPLs and associated messages.</p> <p><b>SAM/IG/27</b></p>	

No.	Tasks to be developed	Specific tasks	Deliverables (Completion date estimated)	Execution status
5-2  17	<p><b>Conclusion SAM/IG/21-03: Activities required in the AIDC pre-operational phase to reduce migration times to the operational phase</b></p> <p><b>That:</b> SAM States currently in the AIDC pre-operational phase, in order to reduce time in this phase and migrate to the operational phase:</p> <ul style="list-style-type: none"> <li>a) operate AIDC for the period of time required to acquire the skills for its operation;</li> <li>b) monitor AIDC operation, recording errors made during the reporting, coordination and transfer stages;</li> <li>c) conduct statistical measurements based on the results of b), in order to identify the most frequent errors;</li> <li>d) based on the results of c), take the necessary action to mitigate errors; and</li> <li>e) report the results obtained in c) and d) and disseminate the lessons learned at events, teleconferences and AIDC implementation meetings of the SAM Region, so that they may serve as a reference for other AIDC implementations.</li> </ul>	Follow-up and coordination via teleconferences and meetings	<p>AIDC operational connection achieved</p> <p><b>December 2019</b></p>	
5-3  18	<p><b>Conclusion SAM/IG/23-03: Adaptation of AMHS terminals of aeronautical meteorology users</b></p> <p>That, pursuant to the requirement to implement the exchange of OPMET messages in IWXXM GML format by 5 November, States:</p> <ul style="list-style-type: none"> <li>a). Adapt AMHS terminals of aeronautical meteorology users so that they may transmit and receive OPMET messages in IWXXM GML format</li> <li>b). Implement the necessary AMHS interconnections in order to facilitate the transmission and reception of OPMET messages in IWXXM GML format</li> <li>c). If in a position to do so, conduct OPMET message exchange trials in IWXXM GML format</li> </ul>	To comply with the provisions of Amendment 78 to ICAO Annex 3.	<p>Conduct tests and share results</p> <p><b>SAM/IG/26</b></p>	

No.	Tasks to be developed	Specific tasks	Deliverables (Completion date estimated)	Execution status
5-4  19	<p><b>Conclusion SAM/IG/25-07 Implementation of space-based ADS-B under a regional technical cooperation project</b></p> <p>That the Secretariat:</p> <p>a) Consult Trinidad and Tobago on their interest in participating in a potential regional implementation of space-based ADS-B, together with Chile and Panama, initially;</p> <p>b) Initiate procedures, together with the Technical Cooperation Bureau (TCB), to enable the contracting of the service through Regional Project RLA/03/901; and</p> <p>c) Organise an <i>ad-hoc</i> group under Regional Project RLA/03/901, with those States interested in participating in the regional implementation of space-based ADS-B, for the drafting of the necessary documents for a potential contracting of the service.</p>	<p>Provide the States that expressed interest in the implementation of space-based ADS-B with the necessary support for contracting the service.</p>	<p>Support to the States concerned and coordination with ICAO TCB</p> <p><b>No later than SAM/IG/26</b></p>	
5-5  20	<p><b>Conclusion SAM/IG/26-03 Revision of CNS tables of Vol. II of the CAR/SAM Air Navigation Plan and support in the drafting of Vol. III of the CAR/SAM ANP on CNS topics</b></p> <p>a) That the CNS/ANP Subgroup, activated at the SAM/IG/26 meeting, review the CNS tables contained in Vol. II of the CAR/SAM Air Navigation Plan regarding information of SAM States, and provide support in the drafting of Vol. III of the CAR/SAM ANP on CNS topics;</p> <p>b) The Secretariat send a letter to SAM States for the nomination of participants in the CNS/ANP Subgroup; and</p> <p>c) SAM States nominate representatives in sufficient numbers to perform the tasks assigned to the CNS/ANP Subgroup.</p>	<p>Update the information in Vol. II of the CAR/SAM Air Navigation Plan and support the drafting of Vol. III of the CAR/SAM ANP concerning CNS planning aspects.</p>	<p>CAR /SAM ANP;</p> <p>Vol. II updated and Vol. III developed</p> <p><b>SAM/IG/29</b></p>	