



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

b) Review of Status of Conclusions

PROGRESS IN IMPLEMENTATION OF CONCLUSIONS SAM/IG/ BY GUYANA

(Submitted by Guyana)

SUMMARY

This paper presents a progress report on the conclusions of SAM/IG/28 by Guyana.

References:

- Final Report of the Twenty-Eighth Workshop/Meeting of the SAM Implementation Group (SAM/IG/28).

1. Background

1.1 In reference to the Twenty-Ninth Workshop/Meeting of the SAM Implementation Group (SAM/IG/29), Guyana presents this Information paper summarizing the progress made for each of the Conclusions indicated in Appendix 1B of the Report of the Workshop/Meeting SAM/IG/28 (Lima, 3 to 7 October 2022).

2. Analysis

2.1 In relation to the above, **Appendix A** is presented with the report on the status of the conclusions to be reported by the Uruguayan State to the meeting.

3. Suggested actions

3.1 The Meeting is invited to take note of the information provided in the present document.

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	Conclusion SAM/IG/14-6: Projects and/or action plans for PBN redesign of the main South American TMAs That SAM States: 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; 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.	Designation of the airspace selected for optimisation with the implementation of PBN	Indicate the selected airspace for redesign or optimisation Report on updates SAMI/IG/25	<i>SYGC main TMA Concept designs created (PBN plan).</i> <i>1. Due to lack of certified PANS OPS experts, we were unable to implement fully.</i> <i>2. Officers of the ANSP and Regulator received training, however, formal OJT is outstanding.</i> <i>3. The services of IFD is currently being processed to establish a contract and completion the PBN TMA.</i>
1-2 2	Conclusion SAM/IG/21-01: Objectives of harmonised PBN implementation at regional and interregional level 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.	Updating of regional PBN action plans and State action plans. Follow-up to PBN implementation and specific assistance to States.	PBN implementation plans executed SAM/IG/26	

No.	Tasks to be developed	Specific tasks	Deliverables (Completion date estimated)	Execution status
1-3 3	Conclusion SAM/IG/25-04 Adoption of the Regional guide on the implementation of PBN visual runway procedures 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.	Adopt the Regional guide on implementation of PBN procedures for visual runways	Publish the national regulation on implementation of PBN procedures for visual runways As soon as possible	<i>Guidance Noted, Regulations under review.</i>
1-4 4	Conclusion SAM/IG/27-01 Adoption of the SAM Airspace Operational Concept 2022-2026 (EC/SAM CONOPS) 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.	Adopt EC/SAM CONOPS	Use technical references and guidance for regional ATM and ANS planning. No later than October 2023	<i>Noted.</i>
1-5 5	Conclusion SAM/IG/27-02 Adoption of the 2022–2026 Roadmap: Performance-based optimisation of SAM airspace 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	Adopt the performance-based optimisation roadmap	Use technical references and guidance for regional PBN implementation. Alignment with implementation metrics. No later than October 2023	<i>Noted.</i>



No.	Tasks to be developed	Specific tasks	Deliverables (Completion date estimated)	Execution status
1-6 6	Conclusion SAM/IG/28-01 Improvements to the ATS letters of operational agreement, with regard to their content, implementation, validity and subscription process That: 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 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.	Drafting of regional guidance material on the management of ATS operational agreements (ATS LOAs) Assistance and follow-up by the Secretariat for the review and updating of ATS LOAs.	- Regional guidance material on management of ATS LOAs - ATS LOAs reviewed and updated, if possible, once a year SAM/IG/31	<i>Noted. ATS LOA reviewed and updated with three Adjacent states.</i>
2-1 7	Conclusion SAM/IG/23-04: Procedure to be applied in case of radioactive clouds or accidental release of radioactive material 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: a) Ensure that their ATS/MET cooperation agreements include the exchange of information on radioactive material in messages exchanged between ATS and MET units; b) Foresee training for ATS staff on procedures related to receiving information from the London VAAC concerning radioactive material; c) Coordinate the inclusion of the accidental release of radioactive material or the presence of radioactive clouds in their contingency plans.	Develop and sign ATS MET cooperation agreements, including information on radioactive material in messages exchanged	ATS MET cooperation agreements signed. SAM/IG/26	<i>ATS/MET LOA includes provisions for exchange of information accordingly.</i>

No.	Tasks to be developed	Specific tasks	Deliverables (Completion date estimated)	Execution status
2-2 8	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 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.	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. SAM/IG/25	<i>40NM implemented and operational. 20NM in discussion with other states.</i>
2-3 9	CONCLUSION SAM/IG/25-01 Implementation of strategic direct routing - EDE SAM States analyse the guidance material prepared by GESEA SG1 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.	Follow-up to EDE implementation Fuel savings analysis provided by airlines.	Issuance of AIC and/or SUP AIP on EDE by States As soon as possible	<i>Implemented and coordinated with IATA and included in AIP</i>
2-4 10	Conclusion SAM/IG/27-03 Adoption of amendment 1 of the SAM ATS Contingency Framework Plan (MCATS / SAM) and alignment of national plans 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.	Follow-up to the harmonisation of ATS contingency plans	Issuance of national ATS contingency plans by States, aligned with MCATS. No later than 31 July 2022	<i>Completed</i>

No.	Tasks to be developed	Specific tasks	Deliverables (Completion date estimated)	Execution status
2.-5 11	Conclusion SAM/IG/25-03 Activities for the development of the SAM ATM/CNS contingency framework plan That States support GESEA activities towards a second stage of the MCATS, with a view to developing guidance material for a “SAM ATM/CNS Contingency Framework Plan”.	Prepare document for harmonised implementation of ATM/CNS national contingency plans, with interfaces to AIM, MET, airport services, etc. duly agreed with neighbouring States, including CAR States, if applicable.	SAM ATM/CNS contingency framework plan No later than October 2023	<i>Noted.</i>
3-1 12	Conclusion SAM/IG/23-01: Implementation of ATFM measures in accordance with Doc 9971, and coordination in case of ATS contingencies That: SAM States prioritise the following for their ATS and ATFM services:	Comply with the provisions of ICAO Doc 9971 and SARPs contained in ICAO Annex 11	Support for ATFM and ATC SAM/IG/25	<i>ATFM procedures developed and available but implemented due to lack of traffic demands.</i>

Tasks to be developed	Specific tasks	Deliverables (Completion date estimated)	Execution status
a) Strengthening the functions of flow management positions (FMPs) or units (FMUs), granting them powers to coordinate and support ATS services; b) Definition of the profile and skills of ATFM staff, and delivery of initial and recurrent training programmes for that staff; c) Mandating that ATFM measures be strictly based on Doc 9971 to address situations generating capacity/demand imbalances, especially in cases of ATS capacity degradation caused by unforeseen events; d) Establishment of instructions and H24 monitoring to ensure that ATFM measures have the least possible impact on international flights, and all ATFM measures are agreed with adjacent ATFM or ACC units; e) Mandating the correct application of the ATFM process, from ATM planning to the operational analysis and performance control phase; and f) Ruling out the use of flow control NOTAMs to deal with demand/capacity imbalances, with the only exception of the initial response that an ACC may require in the first 12 hours of an ATS contingency.			
Conclusion SAM/IG/26-01 Adoption of the ATFM Operations Plan (OPSAM) That States adopt the ATFM Operations Plan (OPSAM) and provide for the ongoing participation of their ATFM services in the sharing of data for the regional Dashboard of indicators and in BRISA operational teleconferences. Also, that each State encourage the participation of airlines, airports and users in OPSAM.	Adjust ATC and airport capacity to the gradual increase in demand, and contribute to the recovery and sustainability of the air transport system at regional and global level in the new projected scenario. Also, reinforce the use of KPIs in ATFM	OPSAM implemented and KPIs generated. SAM/IG/29	<i>Noted.</i>

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		and ATM in general.		
3-3 14	Conclusion SAM/IG/26-02 Adoption of the Guide for the implementation of ATFM in the SAM Region 2022- 2026 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.	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.	States applying the Guide and reaching Phase IV of implementation. December 2026	<i>Noted.</i>

No.	Tasks to be developed	Specific tasks	Deliverables (Completion date estimated)	Execution status
3-4 15	Conclusion SAM/IG/27-04 Adoption of the Manual on Calculation of Runway and ATC Sector Capacity 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.	Implementation of a common methodology for runway and ATC sector capacity calculation in the SAM Region	Runway and ATC sector capacity calculations updated. December 2026	
5-1 16	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 That States: a) Approve the ATM/FPL Roadmap and the format for flight plan acknowledgment (ACK) and rejection (REJ) messages and associated messages; and b) Adopt the guidelines and procedures of the ATM/FPL Roadmap.	Adoption of the ATM/FPL Roadmap by States.	- Roadmap implemented - Mitigate the occurrence of errors and duplication /multiplicity of flight plans, also providing feedback to the originators of FPLs and associated messages. SAM/IG/27	Implemented.
5-2 17	Conclusion SAM/IG/21-03: Activities required in the AIDC pre-operational phase to reduce migration times to the operational phase That: SAM States currently in the AIDC pre-operational phase, in order to reduce time in this phase and migrate to the operational phase: a) operate AIDC for the period of time required to acquire the skills for its operation; b) monitor AIDC operation, recording errors made during the reporting, coordination and transfer stages; c) conduct statistical measurements based on the results of b), in order to identify the most frequent errors;	Follow-up and coordination via teleconferences and meetings	AIDC operational connection achieved December 2019	Work in progress. ATM software update due this year to include AIDC.

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	d) based on the results of c), take the necessary action to mitigate errors; and 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.			
5-3 18	Conclusion SAM/IG/23-03: Adaptation of AMHS terminals of aeronautical meteorology users That, pursuant to the requirement to implement the exchange of OPMET messages in IWXXM GML format by 5 November, States: a). Adapt AMHS terminals of aeronautical meteorology users so that they may transmit and receive OPMET messages in IWXXM GML format b). Implement the necessary AMHS interconnections in order to facilitate the transmission and reception of OPMET messages in IWXXM GML format c). If in a position to do so, conduct OPMET message exchange trials in IWXXM GML format	To comply with the provisions of Amendment 78 to ICAO Annex 3.	Conduct tests and share results SAM/IG/26	<i>Implemented.</i>
5-4 19	Conclusion SAM/IG/25-07 Implementation of space-based ADS-B under a regional technical cooperation project That the Secretariat: 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; b) Initiate procedures, together with the Technical Cooperation Bureau (TCB), to enable the contracting of the service through Regional Project RLA/03/901; and	Provide the States that expressed interest in the implementation of space-based ADS-B with the necessary support for contracting the service.	Support to the States concerned and coordination with ICAO TCB No later than SAM/IG/26	<i>Noted.</i>

No.	Tasks to be developed	Specific tasks	Deliverables (Completion date estimated)	Execution status
	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.			
5-5 20	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 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; b) The Secretariat send a letter to SAM States for the nomination of participants in the CNS/ANP Subgroup; and c) SAM States nominate representatives in sufficient numbers to perform the tasks assigned to the CNS/ANP Subgroup.	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.	CAR /SAM ANP; Vol. II updated and Vol. III developed SAM/IG/29	<i>Noted.</i>