



18/11/22

**Twentieth Meeting of the CAR/SAM Regional Planning and Implementation Group
 (GREPECAS/20)
 Salvador, Brazil, 16 – 18 November 2022**

LIST OF CONCLUSIONS/DECISIONS

Agenda Item 3.3

CONCLUSION	
GREPECAS/20/01	SOCIALIZATION OF PART I OF DOC 8126 – AIS MANUAL
<p>That:</p> <p>a) the States to establish competency assessment procedures for AIS staff, in accordance with Appendix A of Doc. 8126 – AIS Manual; and</p> <p>b) the Secretariat to prepare seminars and workshops to socialize the new requirements introduced in Part I of Doc. 8126 – AIS Manual.</p>	<p>Expected impact:</p> <p><input type="checkbox"/> Political / Global</p> <p><input type="checkbox"/> Inter-regional</p> <p><input type="checkbox"/> Economic</p> <p><input type="checkbox"/> Environmental</p> <p><input type="checkbox"/> Operational/Technical</p>
<p>Why:</p> <p>In order that all parties involved be aware of the requirements introduced in Part I of Doc. 8126 – AIS Manual and establish a Regulatory Framework for the Competency Assessment of AIS Personnel, both of the Authority and the Service Provider.</p>	
<p>When: End of 2025</p>	<p>Status: <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed</p>
<p>Who: <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input type="checkbox"/> Other:</p>	

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CONCLUSION	
GREPECAS/20/02	GTE/MAC TERMS OF REFERENCES APPROVAL
That: RASG-PA12/GREPECAS/20 approve the Terms of Reference presented in Appendix XX to the report)	Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Operational/Technical
Why: To formalize the structure and way of working of the GTE/MAC collaboration group.	
When: Immediately	Status: <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed
Who: <input type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input type="checkbox"/> Other:	Regional Director

Agenda Item 3.1

CONCLUSION	
GREPECAS/20/03	UPDATE OF THE CAR/SAM REGIONAL GUIDANCE MATERIAL ON AIR TRAFFIC SERVICES QUALITY ASSURANCE PROGRAMMES
That: a) An ADHOC is established including States or international organizations of the CAR/SAM regions, which will be in charge of reviewing and updating the CAR/SAM regional guidance material for implementing quality assurance programs in air traffic services. . b) Urge States or international organizations to continue with the implementation of the ATS quality assurance program, or those processes that can be integrated with the SMS to improve the safety of services. c) Inform during the next GREPECAS about the results of this task.	Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Operational/Technical
Why: So that States and service providers continue or resume the quality assurance program or those processes that can be integrated into the SMS in support of safety, mainly the proficiency checks, notification, investigation of ATS Incidents, Air Traffic Incident Prevention program, and the Quality Services Improvement program.	
When: GREPECAS 21	Status: <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed
Who: <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input type="checkbox"/> Other:	

Agenda Item 3.2

CONCLUSION	
GREPECAS/20/04	NAM/CAR/NAM WORKSHOP FOR THE IMPLEMENTATION OF MITIGATION MEASURES TO AVOID INTERFERENCE IN RADIO ALTIMETERS OPERATION DUE TO 5G TECHNOLOGY
<p>That:</p> <p>The Secretariat,</p> <p>a) coordinates, together with BOEING, a workshop for the CAR/NAM States with the objective of sharing lessons learned and knowledge that helps to promote mitigation measures to avoid the interference in radio altimeters due to 5G technology;</p> <p>b) continues supporting the States in these activities; y</p> <p>c) assures that CAR and SAM States inform to the ICAO NACC and SAM Regional Offices of the monitoring systems implemented in each of their States.</p>	<p>Expected impact:</p> <p><input type="checkbox"/> Political / Global</p> <p><input type="checkbox"/> Inter-regional</p> <p><input type="checkbox"/> Economic</p> <p><input type="checkbox"/> Environmental</p> <p><input checked="" type="checkbox"/> Operational/Technical</p>
<p>Why:</p> <p>In order to mitigate safety risks due to interference in radio altimeter operations because of the operation of 5G technology and monitoring its correct operation.</p>	
<p>When: 28 February 2023</p>	<p>Status: <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed</p>
<p>Who: <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input type="checkbox"/> Other:</p>	<p>CAR and SAM States, Boeing and ICAO</p>

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CONCLUSION	
GREPECAS/20/05	REVIEW OF AIR NAVIGATION DEFICIENCIES ASSESSMENT PROCESSES
That: a) ICAO completes the amendment of the Deficiency Assessment Process; b) International aviation organizations (IATA, IFALPA) to continue to support the evaluation in the identification and report them to the NACC and SAM Regional Offices for follow-up and joint work with the States, for their resolution.	Expected impact: <input checked="" type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Inter-regional <input checked="" type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Operational/Technical
Why: To complete the process of comprehensive review of the uniform methodology for the identification, evaluation and notification of air navigation deficiencies, in order to apply the opportunities of improvement identified, both in the database and in the process itself, in order to generate a more efficient and effective process, with greater participation of the users and with a better use of information technologies.	
When: End of 2023	Status: <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed
Who: <input type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input type="checkbox"/> Other:	

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CONCLUSION	
GREPECAS/20/06	ANC NOTAM FOR AEROSPACE OPERATIONS
<p>That:</p> <p>Considering the increase in space activity and the need for closer coordination between Aerospace Agencies and Air Navigation Service Providers to establish safe windows of operations for aviation during a launch or re-entry of space equipment into the earth's atmosphere; and</p> <p>Considering the opportunities for improvements in the dissemination of information on the launch or re-entry through aeronautical fixed systems, the Secretariat urges the ANC:</p> <p>a) to study the establishment of closer coordination between the Aerospace Agencies and the ANSPs for rocket launches and reentry into the earth;</p> <p>b) to explore the possibility of formulating a specific type of NOTAM for rocket launches and reentry into the earth.</p>	<p>Expected impact:</p> <p><input checked="" type="checkbox"/> Political / Global</p> <p><input type="checkbox"/> Inter-regional</p> <p><input checked="" type="checkbox"/> Economic</p> <p><input type="checkbox"/> Environmental</p> <p><input checked="" type="checkbox"/> Operational/Technical</p>
<p>Why:</p> <p>It is important to establish procedures for backup and wider dissemination of information on rocket launches and re-entry into the earth activities to minimize the impact on safety and continuity of operations. Additionally, a standardized procedure will increase situational awareness.</p>	
<p>When: Inform ANC/GREPECAS/20</p>	<p>Status: <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed</p>
<p>Who: <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input type="checkbox"/> Other:</p>	

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CONCLUSION	
GREPECAS/20/07	GASP-GANP AD HOC GROUP
That: <p>The Secretariat with the States proceed to create an Ad Hoc Group, with Air Navigation and Safety focal points, to analyze if these 3 KPIs are transversal in the CAR/SAM ANP and the SSP and establish coordinated work programs to evaluate the implementation of the 3 KPIs.</p>	Expected impact: <input type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Operational/Technical
Why: <p>Coordinated work between the Regional Air Navigation Group (GREPECAS) and Safety Group (RASG-PA) when analyzing the implementation of the 3 KPIs of the Safety KPA is imperative to establish transversal tasks, in order to avoid duplication of effort and optimize resources.</p>	
When: Report progress GREPECAS/21	Status: <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed
Who: <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input type="checkbox"/> Other:	

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CONCLUSION GREPECAS/20/08		APPROVAL OF THE TRAINING AND INSTRUCTION GUIDE FOR AIS/AIM PERSONNEL OF THE CAR/SAM REGIONS	
That: Considering the revision carried out by the Secretariat following Conclusion e-PPRC/04/02, which approved the Training and Instruction Guide for AIS/AIM personnel in the SAM Region, and to the analysis developed in correspondence with other documents available in the CAR Region and the industry: a) GREPECAS approve the Reference Guide (Appendix XX to this part of the Report) as a Guide for the CAR/SAM Regions; b) invites the Secretariat to translate it into English; and c) invites the States of the CAR/SAM Regions to use this Guide for the planning of training and instruction of AIS/AIM personnel.		Impacto esperado: <input type="checkbox"/> Político / Global <input checked="" type="checkbox"/> Inter-regional <input type="checkbox"/> Económico <input type="checkbox"/> Ambiental <input checked="" type="checkbox"/> Técnico/Operacional	
Why: The Training and Instruction Guide for AIS/AM personnel has contemplated all the contents included in the guides prepared by the CAR Region and by the industry.			
When: a) immediate b) First quarter of 2023 (PPRC/xx)		Status: <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed	
Who: <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input type="checkbox"/> Other:			

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DECISION	
GREPECAS/20/09	AMENDMENT OF THE A1 PROJECTS OF THE CAR AND SAM REGIONS ON THE IMPLEMENTATION OF THE PBN, WITH THE PURPOSE OF DEVELOPING CONCEPTS FOR THE OPTIMIZATION OF AIRSPACE.
<p>That:</p> <p>That,</p> <p>a) The Secretariat reviews and amend the A1 Projects of the CAR and SAM Regions, originally defined in GREPECAS for the implementation of the PBN, with the purpose of including in its scope the development of concepts for the optimization of airspace, based on the operational modules of the GANP for improved arrival/departure operations (APTA) and improved operations through enhanced en route trajectories (FRTO), as well as other Regional initiatives.</p> <p>b) The Secretariat will include in these revised projects the participation and contributions from organizations, users, and stakeholders.</p>	<p>Expected impact:</p> <p><input type="checkbox"/> Political / Global</p> <p><input checked="" type="checkbox"/> Inter-regional</p> <p><input checked="" type="checkbox"/> Economic</p> <p><input type="checkbox"/> Environmental</p> <p><input checked="" type="checkbox"/> Operational/Technical</p>
<p>Why:</p> <p>To address the need to optimize Regional and Trans regional airspace in terms of efficiency, capacity, safety and environmental protection, and include in the implementations the performance assessment according to the KPIs of the GANP.</p>	
When: PPRC/05	Status: <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed
Who: <input type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input type="checkbox"/> Other:	NACC and SAM Secretariat

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DECISION	
GREPECAS/20/10	STUDY ON OPERATIONAL PRIORITIES FOR ADS-B IMPLEMENTATION AND ASPECTS OF THE USE OF ADS-B BY ATC UNITS.
<p>That:</p> <p>That,</p> <p>The Secretariat, in coordination with industry, shall carry out a study on operational priorities for ADS-B implementation and on aspects of the use of ADS-B by ATC units, based on the technical guidance documentation available for the CAR/SAM Regions.</p>	<p>Expected impact:</p> <p><input type="checkbox"/> Political / Global</p> <p><input checked="" type="checkbox"/> Inter-regional</p> <p><input type="checkbox"/> Economic</p> <p><input type="checkbox"/> Environmental</p> <p><input checked="" type="checkbox"/> Operational/Technical</p>
<p>Why:</p> <p>To promote the coherent and harmonized implementation of ADS-B in the CAR/SAM Regions, within the framework of the ASUR module of the GANP, recognizing the priorities of airspace optimization and the provision of ATS services in the Region.</p>	
<p>When: GREPECAS 21</p>	<p>Status: <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed</p>
<p>Who: <input type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input checked="" type="checkbox"/> Other:</p>	NACC and SAM Secretariat

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CONCLUSION	
GREPECAS/20/11	APPROVAL OF THE GUIDE “PARAMETERS TO MONITOR THE PERFORMANCE OF ADS-B SYSTEMS”
<p>That:</p> <p>CAR/SAM States adopt the document “Parameters to monitor the performance of ADS-B systems” as a regional guide for the assessment of the performance and data quality from ADS-B stations in accordance with pre-established technical parameters.</p>	<p>Expected impact:</p> <p><input type="checkbox"/> Political / Global</p> <p><input checked="" type="checkbox"/> Inter-regional</p> <p><input type="checkbox"/> Economic</p> <p><input type="checkbox"/> Environmental</p> <p><input checked="" type="checkbox"/> Operational/Technical</p>
<p>Why:</p> <p>To facilitate ADS-B implementation in surveillance ATS systems assuring the correct data supply for Air Traffic Control activities.</p>	
<p>When: Immediately.</p>	<p>Status: <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed</p>
<p>Who: <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input type="checkbox"/> Other:</p>	CAR and SAM States, ICAO

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CONCLUSION GREPECAS/20/12		NON-AVAILABILITY OF THE ICAO GLOBAL AIR NAVIGATION PLAN (GANP) IN SPANISH	
That: Considering the non-availability of the current GANP in Spanish, as well as in other language besides English, the effective understanding and successful implementation of the Global Air Navigation Plan (GANP) requirements are greatly affected, and many States are so denied access due to language; therefore, GREPECAS requests that ANC to consider this situation as a global concern and challenge, and requests an urgent solution.		Expected impact: <input type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Operational/Technical	
Why: The ICAO GANP plays a vivid role in air navigation planning and implementation, thus, its availability in Spanish is urgently required for its understanding and implementation.			
When: To report to ANC/GREPECAS/20 report		Status: <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed	
Who: <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input checked="" type="checkbox"/> Other: Air Navigation Commission			

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CONCLUSION GREPECAS/20/13		CREATION OF AN AD-HOC GROUP FOR THE DEVELOPMENT OF A REGIONAL PROJECT FOR THE AERONAUTICAL FREQUENCIES MANAGEMENT	
That: Taking into account that the new service assignments in the use of frequencies in recent years have caused interference in the provision of air navigation services and thus a negative impact on safety, the meeting approves: a) the creation of an Ad-hoc Group for the NAM/CAR and SAM regions to develop a project aimed at regional management of air frequencies; b) establishing the terms of reference of the project no later than 28 February 2023. Note: the activities to be developed within the project do not replicate the activities developed by the ICAO FMSP panel.		Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input checked="" type="checkbox"/> Environmental <input checked="" type="checkbox"/> Operational/Technical	
Why: Radio electromagnetic spectrum is a limited natural resource in which different actors compete for the allocation of different bandwidths to provide different services. Encouraging an integrated			

regional approach by all CAR and SAM States is important to protect frequencies that are necessary for current and future air navigation aviation services before the ITU Global Conferences.	
When: 28 February 2023	Status: <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed
Who: <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input type="checkbox"/> Other:	CAR and SAM States, ICAO

CONCLUSION GREPECAS/20/14		APPROVAL OF THE INITIAL VERSION (VERSION 0) OF VOLUME III OF THE CAR/SAM ANP, AND FURTHER ACTIONS FOR THE MANAGEMENT AND DEVELOPMENT OF PERFORMANCE-BASED PLANNING	
That: GREPECAS; a) Adopt the initial version (version 0) of Volume III of the CAR/SAM ANP (Appendix XX to the report), formulated on the basis of the ICAO Council template and aligned with Recommendation 4.3/1, subparagraph d), of AN-Conf 13; and b) Approve the CAR/SAM ANP Vol III (Appendix XX of this part of the Report) management programme that allows for the sustainable implementation of performance-based planning; c) The States implement work teams to carry out data collection and GANP KPI management activities as the basis for entering data in Vol. III planning tables, with the assistance of the Secretariat.		Expected impact: <input type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Interregional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Technical/Operational	
Why: To implement the six-step approach to performance-based planning in the CAR/SAM Regions and complement the process of entering data of States/Territories and thus managing Volume III.			
When: a) immediately b) report to PPRC/05 c) report to GREPECAS/21		Status: <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed	
Who: <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input type="checkbox"/> Other:			