



**Nineteenth Meeting of the CAR/SAM Regional Planning and Implementation Group  
 (GREPECAS/19)  
 Online, 27 – 29 October 2021**

**Agenda Item 6: GREPECAS administrative and coordination activities  
 6.1 Follow-up to GREPECAS Conclusions**

**PROGRESS IN THE IMPLEMENTATION OF THE CURRENT CONCLUSIONS OF GREPECAS**

(Presented by Secretariat)

**EXECUTIVE SUMMARY**

This Note presents to the Meeting an executive summary and an Appendix that includes the status of validity of the conclusions and still valid decisions of the previous CAR/SAM Planning and Implementation Regional Group (GREPECAS) and Programmes and Projects Review Committee (PPRC) Meetings.

<b>Action:</b>	Under Section 3.1
<i>Strategic Objectives:</i>	<ul style="list-style-type: none"> <li>• Air Navigation Capacity and Efficiency</li> <li>• Safety</li> </ul>
<i>References:</i>	<ul style="list-style-type: none"> <li>• Report of the GREPECAS/18 Meeting</li> <li>• Report of the PPRC/05 Meeting</li> <li>• Reports from ePPRC Meetings 01, 02 and 03</li> </ul>

**1. Introduction**

1.1 During the previous GREPECAS/18 Meetings (Punta Cana, Dominican Republic, 9-14 April, 2018), PPRC/5 (Mexico City, Mexico, 16-18 July, 2019), ePPRC 03 (Online, 22 – 23 July 2021) still have some valid Conclusions or Decisions that need to be reviewed by this Meeting.

1.2 In this sense, the GREPECAS Secretariat invites the Meeting to consider that in 2020 and part of 2021, COVID 19 caused a significant impact on the aviation industry, which is why many priorities have been modified in the areas of Air Navigation Service (ANS).

1.3 The Secretariat requests the States to review the status of validity of the conclusions and decisions of the meetings cited in paragraph 1.1 and that are included in the **Appendix** to this Note for the Meeting's reference, indicating which ones continue to be valid for observation. and monitoring

## 2. Analysis

2.1 Carrying out an evaluation of the information in the Appendix to this Note, it is obtained that from the GREPECAS 18 Meeting, 1 valid Conclusions and **no valid Decision** are maintained. From the PPRC 05 Meeting, there are 1 valid Conclusions and 1 valid Decision. From the ePPRC/01 and for the ePPRC/02 Meetings, there are no valid Conclusions/Decisions.

## 3. Action required

3.1 The Meeting is invited to:

- a) take note of the valid conclusions and decisions presented in detail in the Appendix;
- b) take the necessary actions to Complete or Supersede the Conclusions and Decisions that are still valid; and
- c) discuss any other course of action that allows updating the information

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## APPENDIX

<b>GREPECAS/18 CONCLUSIONS AND DECISIONS</b>		
<a href="https://www.icao.int/SAM/Documents/2018-GREPECAS18/1GRP18_Final%20Report.pdf">https://www.icao.int/SAM/Documents/2018-GREPECAS18/1GRP18_Final%20Report.pdf</a>		
<b>CONCLUSIONS</b>	<b>Title</b>	<b>Validity Status</b>
18/1	<p>ACTIONS FOR ATFM IMPLEMENTATION IN THE CAR REGION</p> <p>That, States and Territories of the CAR Region, in their ATFM implementation projects:</p> <p>a) implement as soon as possible, ATFM Positions (FMP) or ATFM units (FMU) in order to avoid an imbalance between capacity and demand, either by scheduled or by unforeseen events; and</p> <p>b) ICAO NACC Regional Office take the corresponding actions to develop a proposal for amendment to Doc 7030 concerning ATFM procedures and ATC minimum separation for aircraft transfer between adjacent Control Centres (ACC) counting with overlying radar coverage, as applicable, informing PPRC/4 meeting on the progress of such actions.</p>	<p><b>Completed</b> New criteria are being prepared for the implementation of ATFM in the CAR Region, which will entail a new project for GREPECAS.</p>
18/2	ESTABLISHMENT OF A WORKING GROUP TO OBTAIN BETTER AMHS OPERATIONAL USE	Completed
18/3	<p>REVISION OF THE MET PROGRAMME AND ITS TASKS</p> <p>That, a) QMS/MET implementation be measured by certification, through a QMS certifying firm on aeronautical meteorology services;</p> <p>b) States that have obtained QMS/MET system certification, submit a copy of their certificates to the Secretariat;</p>	<p><b>Completed</b> The only thing missing is the sending by the States of the ISO certificates corresponding to the QMS MET. See page 22 of the report at: <a href="https://www.icao.int/SAM/Documents/2018-GREPECAS18/1GRP18_InformeFinal.pdf">https://www.icao.int/SAM/Documents/2018-GREPECAS18/1GRP18_InformeFinal.pdf</a></p>
18/4	DEVELOPMENT OF AIR NAVIGATION PLANS ALIGNED WITH THE GANP AND THE REGIONAL PERFORMANCE-BASED AIR NAVIGATION PLANS	Superseded – new actions and follow-up adopted with the new planning of the ANP CAR/SAM Vol III
18/5	IMPROVED DATA COLLECTION PROCESS FOR THE TREATMENT OF DEFICIENCIES REPORTED BY IFALPA AND IATA	Completed
18/6	<p>RESOLUTION OF AERONAUTICAL METEOROLOGY DEFICIENCIES</p> <p>That, in order to resolve aeronautical meteorology deficiencies associated to its personnel, and in order to have in their staff aeronautical meteorologists that meet the training requirements of the World Meteorological Organization, CAR/SAM States and Territories that present this deficiency:</p> <p>a) develop and conduct professional training courses for aeronautical meteorologists, aligned with the BIP-M</p>	<p><b>Completed</b> It was considered completed when referring to the qualification and competencies of aeronautical meteorology personnel</p> <p>See page 23 of the report at: <a href="https://www.icao.int/SAM/Documents/2018-GREPECAS18/1GRP18_InformeFinal.pdf">https://www.icao.int/SAM/Documents/2018-GREPECAS18/1GRP18_InformeFinal.pdf</a></p>

	<p>contained in WMO Publication No. 1083, in partnership with universities, CATCs or tertiary non-university training institutions that meet education quality standards;</p> <p>b) create cooperation links with the permanent representatives of their States to the WMO in order to have access to WMO-approved personnel remote training courses offered by universities and international institutes;</p> <p>c) develop and implement a programme to link university meteorological staff or technical personnel with the aeronautical meteorology units of air navigation services in the short and medium term; and</p> <p>d) inform the respective ICAO Regional Offices at GREPECAS/18 about their plans to develop and conduct aeronautical meteorology training courses aligned with the BIP-M contained in WMO Publication No. 1083.</p>	
18/7	POSTPONEMENT OF THE APPROVAL OF VOL. III OF CAR/SAM EANP	Superseded - new actions and follow-up adopted with the new planning of the ANP CAR / SAM Vol III
18/8	GREATER SUPPORT FROM STATES TO AGA ISSUES AND PROJECTS	Completed-
18/10	FOLLOW-UP TO THE IMPLEMENTATION OF A39 RESOLUTIONS RELATED TO AIR NAVIGATION	Completed
18/13	<p>SAFETY MANAGEMENT IMPLEMENTATION</p> <p>That, in order to support the implementation of safety management, CAR/SAM States, international and regional organisations share tools and examples that support effective safety management implementation, to be posted on the Safety Management Implementation (SMI) website.</p>	<p><b>Valid</b></p> <p>States and international organizations support the implementation of safety management by sharing tools and examples in Safety Management Implementation (SMI) on the Website, it is specified that this conclusion is an action for States. Additionally, the Website and the new edition of Doc 9859 (Safety Management Manual) were deliverables of the “ICAO Safety Management Program” in 2018, the year of GREPECAS 18</p>
18/14	ENHANCEMENT OF SOUTH ATLANTIC (SAT) GROUP STRUCTURE	Completed
18/15	INTERFACE CONTROL DOCUMENTS FOR AIDC IMPLEMENTATION	Completed
18/16	SHORT-TERM IMPLEMENTATION BY THE STATES OF AIDC FUNCTIONALITY	<p>Completed</p> <p>During 2021, the AIDC task force for the NAM / CAR region updated its work plan and the status of implementation of the AIDC connections.</p> <p>In addition, workshops were held to implement flight plan error mitigation measures.</p>

18/17	MEASURES TO REDUCE FLIGHT PLAN ERRORS	Completed
18/19	AERODROME CERTIFICATION PLAN	Completed
18/20	MODIFICATION OF THE GREPECAS PROCEDURAL HANDBOOK	Completed
18/21	<p>SUPPORT TO GTE AND CARSAMMA ACTIVITIES TO IMPROVE THE ANALYSIS OF INFORMATION ON DEVIATIONS IN RVSM AIRSPACE</p> <p>Following actions be carried out in order to improve the analysis of information on deviations in RVSM airspace:</p> <p>a) States/international organisations and CARSAMMA, in coordination with ICAO Regional Offices, carry out activities to improve the reception and processing of information on deviations in RVSM airspace;</p> <p>b) CARSAMMA and the GTE exchange information and closely coordinate with the implementation groups coordinated by ICAO Regional Offices, in order to strengthen implementation activities that will help reduce LHD occurrences in CAR/SAM FIRs;</p> <p>c) States/international organisations, in coordination with CARSAMMA and ICAO Regional Offices, take the necessary measures to avoid the operation of non-RVSM aircraft, and coordinate with the relevant parties for proper flight plan completion for the operation of State aircraft in RVSM airspace; and</p> <p>d) GTE submit the plans for the aforementioned activities and their status of implementation at the PPRC/5 meeting.</p>	<p>Valid</p> <p>An update of the Contact Points Manual will be presented to CARSAMMA, formalizing changes in the processes that have been addressed in the GTE meetings. After the presentation and approval of the aforementioned Manual, we will evaluate if we consider it concluded</p>
18/22	APPROVAL OF THE AMENDMENT TO CARSAMMA TERMS OF REFERENCE AND OF THE GUIDANCE MANUAL FOR POINTS OF CONTACT (POC)	Completed
<b>DECISIONS</b>	<b>Title</b>	<b>Validity Status</b>
18/9	AD HOC GROUP TO ANALYSE GREPECAS - RASG-PA COORDINATION IMPROVEMENTS	Completed
18/11	CHARTING DEFICIENCY STRATEGY	Completed
18/12	RNAV TO RNP CHARTING TRANSITION	Completed
18/18	MERGING OF PROJECTS F1 AND F2 INTO A NEW PROJECT F1	Completed

<b>PPRC/05</b>		
<a href="https://www.icao.int/NACC/Documents/Meetings/2019/PPRC5/PPRC05DraftReport.pdf">https://www.icao.int/NACC/Documents/Meetings/2019/PPRC5/PPRC05DraftReport.pdf</a>		
<b>CONCLUSIONS</b>	<b>Title</b>	<b>Validity Status</b>
05/01	FOLLOW-UP TO AIR NAVIGATION DEFICIENCIES PROCEDURE AND EFFECTIVENESS OF THE GANDD	Completed
05/02	PROPOSAL FOR IMPROVEMENTS TO GREPECAS	Completed
05/03	USE OF NEW ICAO GANP PORTAL	Completed
05/04	GAP ANALYSIS FOR COMPLIANCE WITH THE 6TH EDITION OF THE GANP	Completed
05/09	SUPPORT TO THE ACTIVITIES OF THE GTE AND OF ICAO TO IMPROVE SAFETY IN THE RVSM AIRSPACE OF THE CAR/SAM REGIONS	Completed
05/10	<p>DEVELOPMENT OF VOLUME III OF THE CAR/SAM GANP IN PREPARATION OF NATIONAL AIR NAVIGATION PLANS</p> <p>That, in Coordination with the NACC and SAM Regional Offices,</p> <p>a) the States support the Secretariat in the preparation of Vol. III of the CAR/SAM e-ANP and the revision of Vols. I and II of the aforementioned document to align it to the GANP - Sixth Edition, considering the catalogue of KPI contained in the GANP;</p> <p>b) the States, in coordination with the NACC and SAM Regional Offices, after completing the preparation and revision of the three CAR/SAM e-ANP Volumes, elaborate or, if applicable, update their NANP, in order to align them to the GANP initiatives, including the requirements of all the areas that involve air navigation services;</p> <p>c) the States forward the developed or updated NANP to the ICAO NACC and SAM Regional Offices by the second semester of 2021;</p> <p>d) ICAO process the approval of Vol. III of the CAR/SAM e-ANP by the third quarter of 2020;</p> <p>e) ICAO, once Vol. III is approved, replace the Regional Air Navigation Plans based on performance by Vol. III of the CAR/SAM e-ANP, and present it to the PPRC/6; and</p> <p>f) ICAO provide technical support to the States that request it for the development of their NANP and supervise the delivery of said plans to the ICAO NACC and SAM Regional Offices.</p>	Superseded new actions and follow-up adopted with the new planning of the ANP CAR / SAM Vol III

05/12	EXTRAORDINARY TELECONFERENCE FOR THE REVIEW OF THE ADJUSTMENT PROPOSAL OF GREPECAS AND COORDINATION WITH RASG-PA	Completed
05/13	INCLUSION OF THE AERONAUTICAL REQUIREMENT OF TROPICAL CYCLONE ADVISORY INFORMATION FOR THE WESTERN SOUTH ATLANTIC	Valid
	<p>That, considering the occurrence of tropical cyclones in the Western South Atlantic, and given the absence of SIGMET by tropical cyclones for this event due to the lack of advisory information on tropical cyclones, ICAO,</p> <p>a) in coordination with the World Meteorological Organization, take the necessary actions for the designation of a Tropical Cyclone Advisory Centre (TCAC) to cover the area between Equator and the 30° South parallel, limited by the continental blocks of Africa and South America by GREPECAS/19; and</p> <p>b) once the designation of the new Tropical Cyclone Advisory Centre has been approved, proceed with the amendment of the CAR/SAM e-ANP, Vol. I.</p>	
<b>DECISIONS</b>	<b>Title</b>	<b>Validity Status</b>
05/05	APPROVAL OF THE CONOPS ATFM CAR/SAM AMENDMENT	Completed
05/06	NEW PROJECTS UNDER THE AERODROME F PROGRAMME FOR THE CAR AND SAM REGIONS	Completed
05/07	REVIEW OF THE AIM PROGRAMME AND ITS PROJECTS	Completed
05/08	REVIEW OF MET PROGRAMME AND ITS PROJECTS	<p><b>Completed</b></p> <p>According to results of eCRPP / 02 and CRPP / 03, conclusion eCRPP / 03/02 See page 4 in:</p> <p><a href="https://www.icao.int/NACC/Documents/Meetings/2021/PPPR3/eCRPP03-Minuta.pdf">https://www.icao.int/NACC/Documents/Meetings/2021/PPPR3/eCRPP03-Minuta.pdf</a></p>
	<p>That, Coordinators of the Programme H Projects assess the status of the Programme and send the results to the PPRC by 30 November 2019, identifying improvement opportunities and additional implementation strategies.</p>	
05/11	REFORMULATION OF GREPECAS PROGRAMMES AND PROJECTS	Completed

<b>ePPRC/01</b>		
<a href="https://www.icao.int/NACC/Documents/Meetings/2020/CRPP01/ePPRC01-Minute.pdf">https://www.icao.int/NACC/Documents/Meetings/2020/CRPP01/ePPRC01-Minute.pdf</a>		
<b>DECISIONS</b>	<b>Title</b>	<b>Validity Status</b>
01/01	<p>STATUS OF IMPLEMENTATION OF THE AUTOMATED MANAGEMENT SYSTEM OF GREPECAS</p> <p>That, with the aim of reporting on the status of implementation of the GREPECAS Automated Management System and of inviting the States that wish to be part of the ongoing activities for this implementation, the Secretariat and the GREPECAS Chairman send by 26 June 2020, to GREPECAS Member States, a communication detailing this information and the need for involvement for the prompt implementation of the System.</p>	<b>Completed</b>
01/02	IMPROVEMENTS TO PANDEMIC OR EPIDEMIC CONTINGENCY PLANS IN THE CAR/SAM REGIONS	Completed
01/03	<p>REVIEW OF THE CURRENT PRCC PROGRAMMES AND PROJECTS</p> <p>That, considering the new overview foreseen for civil aviation due to the restrictions imposed by the States to avoid spread of the COVID-19 and before the new scenario in which GREPECAS projects are developed, the Secretariat shall:</p> <p>a) assess GREPECAS programmes to determine if they can still be justified under the new scenario in the CAR/SAM Regions (questions and Projects matrix);</p> <p>b) work on the implementation of air navigation in line with guidelines established or to be established by the groups created by ICAO, at a global and regional level, for reactivating and the recovery of civil aviation;</p> <p>c) review the objectives, targets and implementation dates of the different current on-going Programmes and Projects, and make them suitable for the requirements established by the new horizons determined by the COVID-19 crisis; and</p> <p>d) present a report by 30 November 2020, with the restructuring of the targets, objectives and dates of the reviewed Projects.</p>	<b>Completed</b>
01/04	ON-LINE FOLLOW-UP MEETINGS AND NEXT GREPECAS FACE-TO-FACE MEETING	Completed

<b>ePPRC/02</b>		
<a href="https://www.icao.int/NACC/Documents/Meetings/2020/PPRC02/ePPRC02-Minute-REV.pdf">https://www.icao.int/NACC/Documents/Meetings/2020/PPRC02/ePPRC02-Minute-REV.pdf</a>		
<b>CONCLUSIONS</b>	<b>Title</b>	<b>Validity</b>
02/03	<p>REVIEW OF THE A-CDM IMPLEMENTATION PLAN PROPOSAL</p> <p>That, considering the new CAR/SAM Project F3 on Airport Collaborative Decision Making (A-CDM) under the Aerodrome Program, the States:</p> <p>a) endorse the first version of the A-CDM Implementation Plan proposal included in the Appendix of WP/05,</p> <p>b) send their comments to the A-CDM Implementation Plan proposal by 8 February 2021.</p>	<b>Completed</b>
02/05	<p>RASG-PA/GREPECAS COORDINATION</p> <p>That, in order to achieve the timely participation and preparation of the States, and in coordinated work between RASG-PA and GREPECAS, it is approved to hold an annual coordination meeting between the RASG-PA and GREPECAS work teams, at the beginning of every year (calendar), urging that the GREPECAS Working Groups support this effective coordination.</p>	<b>Completed</b>
02/06	<p>GREPECAS 2021 MEETINGS PROGRAMME</p> <p>That, in order to achieve the timely participation and preparation of States in the air navigation planning and implementation activities for the CAR/SAM regions, the States approve the planning of GREPECAS 2021 events/meetings as proposed in P/01.</p>	<b>Completed</b>
<b>DECISIONS</b>	<b>Title</b>	<b>Validity</b>
02/01	<p>PRESENTATION OF REVISED GREPECAS PROJECTS</p> <p>That, considering all the comments and guidelines provided by the PPRC to the GREPECAS Programme and Project Coordinators, the alignment of the Projects with the GANP, the prioritization of Projects according to the current CAR/SAM regional aviation context and financial resources prevailing as a result of COVID-19, Project/Programme Coordinators submit their revised and valid version to the PPRC by 8 February 2021.</p>	<b>Completed</b>
02/02	<p>CAR/SAM REGIONS ATFM DOCUMENTATION UPDATE</p> <p>That, considering the publication of ICAO Doc 9971 and its different updates, as well as the development of the Guide for the implementation of the ATFM service and a runway capacity and Air Traffic Control (ATC) sector calculation manual in the SAM Region in 2019,</p> <p>a) the elimination of the CAR/SAM ATFM Manual is approved, considering that ICAO Doc 9971 provides the necessary reference to support the implementation of the ATFM; and</p> <p>b) the amendment proposal for the CAR/SAM ATFM CONOPS contained in the Appendix of WP/02 of this meeting is approved.</p>	<b>Completed</b>

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02/04	COORDINATION FOR THE IMPLEMENTATION AND ASSISTANCE TO THE STATES IN UAS/RPAS AND CYBERSECURITY	<b>Completed</b>
	That, considering the subject of UAS/RPAS as cybersecurity, as non-exclusive multidisciplinary topics to be dealt with in GREPECAS, the GREPECAS Secretariat coordinate the definition of activities and responsibilities to support the implementation of these issues with the regional implementation groups in Aviation Security, the Regional Group on Aviation Security and Facilitation (AVSEC/FAL) CAR/SAM, as well as the Regional Aviation Safety Group–Pan America (RASG-PA) by ePPRC/03..	

— END —