



**GREPECAS Programmes and Projects Committee (PPRC) Fourth Virtual Meeting
 (ePPRC/04)**

Online, 21 – 22 April 2022

Agenda Item 2: Follow-up to the Programmes and Projects of the CAR/SAM Regional Planning and Execution Group (GREPECAS)

2.1 Status of the Implementation of Air Navigation Services (ANS) in the CAR/SAM Regions through GREPECAS Programmes and Projects (Aerodromes and Ground Aids (AGA), Air Traffic Management (ATM), Aeronautical Information Management (AIM), Communications, Navigation and Surveillance (CNS), Meteorology (MET) and Search and Rescue (SAR))

CAR/SAM ANS PROJECTS UPDATE

(Presented by Secretariat)

EXECUTIVE SUMMARY

This Information Note includes the decisions taken by the PPRC and the GREPECAS Meetings, as well as the Evaluation Meeting for the update and status of GREPECAS Programmes and Projects, in the COVID-19 context, two years after its appearance, and suggests their continuous review to obtain benefits and support for their implementation in the CAR/SAM Regions.

<i>Strategic Objectives:</i>	<ul style="list-style-type: none"> • Air Navigation Capacity and Efficiency • Safety • Environmental Protection
<i>References:</i>	<ul style="list-style-type: none"> • Report of the GREPECAS/19 Meeting https://www.icao.int/NACC/Pages/meetings-2021-grp19.aspx • Minutes of the ePPRC/02 Meeting https://www.icao.int/NACC/Documents/Meetings/2020/PPRC02/ePPRC02-Minuta-REV.pdf • Minutes of the ePPRC/03 Meeting https://www.icao.int/NACC/Documents/Meetings/2021/PPRC3/ePPRC03-Minuta.pdf • Evaluation meeting to update the group's projects CAR/SAM regional planning and execution (GREPECAS) https://www.icao.int/NACC/Documents/Meetings/2020/GRP/GREPECASProjRevMinuteSP-REV.pdf

1. Introduction

1.1 The GREPECAS/19 Meeting, held online from 27 to 29 October 2021, reviewed and updated the status of each of the previous PPRC virtual meetings (01, 02 and 03), as well as the Evaluation Meeting for the update of the GREPECAS projects (November 2021), through an analysis and adoption of

valid Conclusions and Decisions. In the Appendix of IP/02, a summary oriented to the discussion and observation of the actions proposed in such Conclusions and/or decisions is provided.

2. Discussion

2.1 During the ePPRC/03 Meeting, the development of the GREPECAS Dashboard was highlighted and it was commented that with the support of this initiative for the management of Programmes and Projects it represents a mechanism for the monitoring, control and measurement of the efficiency of the Programmes and its Projects. As well as for the generation of timely reports of the Meetings of both the Committee and the CAR/SAM Regional Group, in relation to the status of the implementation of Air Navigation Services (ANS), considering the following goals for the current year 2022:

INITIAL GOALS TO THE YEAR 2022	
Goal 1)	Increase the annual percentage of effective implementation of the Projects proposed in the Working Groups
Goal 2)	Link the needs of the CAR/SAM States with the Implementation Projects of the Regions, contributing to the regional initiatives, through the Training of Human Resources
Goal 3)	Establish an effective work methodology that guarantees the continuity of the work and the fulfilment of the current and future goals
Goal 4)	Establish a program for the exchange of good practices among States, based on the objectives of the Global Air Navigation Plan (GANP) and the Global Aviation Safety Plan (GASP) of ICAO, through implementation projects of GREPECAS and the Regional Group on Operational Safety of Pan American Aviation (RASG-PA)

2.2 In addition to the integration of the CAR/SAM Air Navigation Plan (ANP) Vol. III, in relation to the Aviation System Block Upgrades (ASBU), the ANS Programmes and Projects ensure consistency and continuity of effectiveness of these Projects that serve the States and the requirements of the Users of the CAR/SAM Regions.

2.3 The last GREPECAS Project Review Meeting carried out and completed a follow-up of the Projects under the guidance provided in the GREPECAS/19 Meeting see the **Appendix** to this Working Paper. The status is summarized as follows:

- a) ATM-related projects (A1, B1 and B2) remain valid
- b) Projects related to CNS, C and D continue to be valid
- c) The creation of a new Project under the F Aerodrome Program for the CAR/SAM Regions on airport CDM and SM Aerodrome maintenance and certification.
- d) The AIM-related Projects (G1 and G2) were replaced by a new Project for the implementation of the AIM Collaborative Plan
- e) For MET, the previous Projects (H2, H3 and H4) were reported as completed and no new Projects were proposed.

2.4 On the other hand, taking into account the recent Project Reviews by the PPRC, in particular in the ePPRC/03 Meeting, the following was obtained:

- a) Conclusion ePPRC/01 – Airport Collaborative Decision Making (A-CDM) Implementation Guide;

- b) Decision ePPRC/02/01 – Presentation of Revised GREPECAS Projects;
- c) Decision ePPRC/02/02 – Update of the ATFM Documentation of the CAR/SAM Regions;
- d) Conclusion ePPRC/02/03 Review of the A-CDM Implementation Plan Proposal
- e) Conclusion ePPRC/03/02 – Implementation of the Standards and Recommended Practices (SARPs) of Annex 3 – Meteorological Services for International Air Navigation;
- f) Conclusion ePPRC/03/03 – Implementation of the Digital Data Sets (DDS), from the Data Catalogs, the Aeronautical Information Exchange Model and the e-AIP; and
- g) Conclusion ePPRC/03/04 – Signing of Letters of Agreement Remotely and Effective Implementation of the SAR Service.

3. Conclusion

3.1 The ePPRC/03 Meeting considered that the ANS Projects should be reviewed to restructure, update and continue until their completion, by the respective Areas (AGA, AIM, ATM, CNS, MET and SAR), taking into account the GANP and the requirements of the ANP, as well as the new issues that are emerging with a strong impulse in the field of Industry

3.2 On the other hand, in particular, it is considered by the Secretariat that the Projects of the MET Programme should be new, under a Project perhaps for monitoring the implementations that have been pending in its Programme, in addition to perhaps new projects, focused in three main aspects:

- 1) The preparation of information related to meteorological phenomena en route that could affect the safety of aircraft operations (homogeneous SIGMET);
- 2) Implementation of the ICAO Meteorological Information Exchange Model (IWXXM); and
- 3) The preparation of meteorological messages for exchange in a SWIM environment

3.3 The Meeting is invited to take note of the information set forth in this Information Note and its Appendices A and B, and review the information contained in the Minutes of the ePPRC meetings and the follow-up of the projects of the Programmes and the GREPECAS 19 Meeting;

GREPECAS PROJECTS – GREPECAS/19 28-10-2021

PROJECT		References	PROJECT COORDINATOR			ASSOCIATED PROGRAMME		PROGRAMME COORDINATOR
ID	Title		Names	State / Int. Org	Contact	ID	Name	
A1 CAR	Implementation of Performance-Based Navigation (PBN)	B0-APTA, B0-FRTO, B0-CDO & B0-CCO	Riaaz Mohamed	Trinidad and Tobago	rmohammed@caa.gov.tt	A	Performance Based Navigation (PBN)	Eddian Méndez, RO/ATM/SAR
B1 CAR	Improve Demand and Capacity Balance (DCB)	(B0-SEQ, B0-FRTO, B0-NOPS & B0 ACDM)	Greg Byus	Untied States	Greg.Byus@faa.gov	B	Air Traffic Flow Management (ATFM)	Eddian Méndez, RO/ATM/SAR
B2 CAR	Implementation of Flexible use of airspace (FUA)	-----	Greg Byus	Untied States	Greg.Byus@faa.gov	B	Air Traffic Flow Management (ATFM)	Eddian Méndez, RO/ATM/SAR
A1 SAM	PBN Operational Implementation	(B0-APTA, B0-FRTO, B0-CDO & B0-CCO)	Julio Pereira	IATA	pereiraj@iata.org	A	Performance Based Navigation (PBN)	Fernando Hermosa, RO/ATM/SAR
A2 SAM	Air Navigation Systems in support to PBN	(B0-APTA, B0-FRTO, B0-CDO & B0-CCO)	Julio Pereira	IATA	pereiraj@iata.org	A	Performance Based Navigation (PBN)	Fernando Hermosa, RO/ATM/SAR
B1 SAM	Improve Demand and Capacity Balance (DCB)	(B0-SEQ, B0-FRTO, B0-NOPS & B0 ACDM)	Marcos Pecanha	Brazil	pecanhmrps@cgna.decea.mil.br	B	Air Traffic Flow Management (ATFM)	Fernando Hermosa, RO/ATM/SAR
C CAR	Automation and Improved ATM Situational Awareness	(B0-RSEQ, B0-FICE, B0-SNET, B0-ASUR & B0-SURF)	Alex Rodriguez	Untied States	Alex.rodriguez@faa.gov	C	Automation and ATM Situational Awareness	Mayda Ávila, RO/CNS
C SAM	Automation and Improved ATM Situational Awareness	(B0-RSEQ, B0-FICE, B0-SNET, B0-ASUR & B0-SURF)	Hebert dos Santos	Brazil	herberths@decea.mil.br	C	Automation and ATM Situational Awareness	Francisco Almeida, RO/CNS
D CAR	Ground-ground and air-ground communications infrastructure	(B0-FICE & B0-TBO)	Layla Rodriguez	Cuba	laylarodriguez@aeronav.avi.anet.cu	D	Ground-Ground and Ground-Air Communications Infrastructure	Mayda Ávila, RO/CNS
D SAM	Ground-ground and air-ground communications infrastructure	(B0-FICE & B0-TBO)	Jorge Merino	Peru	jmerino@corp.ac.gob.pe	D	Ground-Ground and Ground-Air Communications Infrastructure	Francisco Almeida, RO/CNS
F1 CAR SAM	Aerodrome safety and certification implementation	(B0-SURF)	TBD	TBD	---	F	Aerodromes (AGA/AOP)	Jaime Calderón, Fabio Salvatierra, ROs/AGA
F2 CAR SAM	Airport Planning		TBD	TBD	---	F	Aerodromes (AGA/AOP)	Jaime Calderón, Fabio Salvatierra, ROs/AGA
F3 CAR SAM	Airport Collaborative Decision Making (A-CDM)	B0-ACDM	Sady Beaumont	Peru	Sbeaumont@mtc.gob.pe	F	Aerodromes (AGA/AOP)	Jaime Calderón, Fabio Salvatierra, ROs/AGA
G1 SAM	Implementation of the provision of Electronic Terrain and Obstacle Data (e-TOD)	DAIM-B1/3 DAIM-B1/4	Juan González	Uruguay	juancartograf@yahoo.com	G	Aeronautical Information Management (AIM)	Jorge Armoa, RO/AIM

PROJECT		References	PROJECT COORDINATOR			ASSOCIATED PROGRAMME		PROGRAMME COORDINATOR
ID	Title		Names	State / Int. Org	Contact	ID	Name	
G2 SAM	Implementation of the Standard Aeronautical Information Exchange Model	DAIM-B1/2	Karina Calderón	Peru	kcalderon@copac.gob.pe	G	Aeronautical Information Management (AIM)	Jorge Armoa, RO/AIM
G3 SAM	Implementation of Quality management system in AIM dependencies (QMS/AIM)	DAIM-B1/1	Lidia Cáceres	Paraguay	lidigca@hotmail.com ---	G	Aeronautical Information Management (AIM)	Jorge Armoa, RO/AIM
G CAR	Implementation of the AIM Collaborative Plan	DAIM-B1/1	Natasha Leonora-Belefanti	Curaçao	nleonora-belefanti@icaonacc.org	G	Aeronautical Information Management (AIM)	Raul Martínez, RO/AIM

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