International Civil Aviation Organization
CAR/SAM Regional Planning and Implementation Group (GREPECAS)

WORKING PAPER

**Fourth GREPECAS–RASG-PA Joint Meeting and
Twenty-second Meeting of the CAR/SAM Regional Planning and Implementation Group
(GREPECAS/22)**
Virtual Phase (Asynchronous, 16 September to 11 October 2024)
In-Person Phase (Lima, Peru, 20 to 22 November 2024)

| Agenda Item 6: | Initial Review of the Current GREPECAS Work Programme and Projects |

Review on the GREPECAS Work Programme and Projects
(Presented by Secretariat)

EXECUTIVE SUMMARY	
This working document provides a review of the current GREPECAS Work Programme and Projects, submitted for approval by GREPECAS/22 meeting.	
Action:	The suggested actions are presented in Section 3
Strategic Objectives:	• Safety • Air Navigation Capacity and Efficiency
References:	• Final Report GREPECAS/21

1.   **Introduction**

1.1   The Final Report of Twentieth One Meeting of the CAR/SAM Regional Planning and Implementation Group (GREPECAS/21) approved the Decision 21/22 - Action to follow up and improve the activities of the GREPECAS Work Programme.

2.   **Analysis**

2.1   According to the Final Report GREPECAS/21, the Secretariat presented the reviews the activities and improvements to the GREPECAS Work Programme, assessing its status of implementation and proposing several adjustments/ recommended actions to optimise the work of the Regional Group and to enhance the relevance for States and the industry for the implementation of air navigation services.

2.2   The GREPECAS work programme will be developed through:

•   permanent activities that correspond to the primary functions of a PIRG: management and maintenance of the Air Navigation Plan (ANP), deficiencies, etc., as well as ensuring that the implementation of the Air Navigation Systems in the CAR/SAM regions is coherent and compatible with developments in the adjacent regions, and is in line with the

ATM Operational Concept (Doc 9854), SUPPs, GANP and the Regional Air Navigation Plan of the CAR/SAM Regions.

- Specific activities to be carried out through programmes and projects.

2.3   Appendix A to this note outlines the adjustments to optimize the work of the Regional Group, as approved by Decision GREPECAS/21/22..

2.4   Based on this, the Secretariat proposes a restructuring of the specific activities of GREPECAS within the framework of Programmes and Projects, for the following themes, in order to strengthen permanent activities and improve several focal priorities, subject to adjustments or updates in accordance with recommendations AN-CONF/14:

A) **Program for Strengthening the CAR/SAM Regional Plan (RANP) and National Plans (NANP)**
   Project A1 – Update of Vol. I and II of the CAR/SAM RANP and SUPPS 7030 – Development of Vol. III of the CAR/SAM RANP, including State capabilities for performance-based planning.
   Project A2 – National Air Navigation Plans (NANP).

B) **Air Navigation Implementation Program aligned with the GANP, ASBU Framework, and Performance Framework**
   Project B1 – Improvement of Efficiency and Capacity: Implementation of FRTO and APTA (currently NEOSPACE-1).
   Project B2 – Demand/Capacity Balance: Implementation of ATFM, including reinforcement of CDM.
   Project B3 – Improvement of CNS (facilities and services), considering the GANP roadmap.
   Project B4 – Improvement of MET: Implementation of AMET.
   Project B5 – Improvement of AIM: Implementation of DAIM and evolution to SWIM.
   Project B6- Enhanced Navigation infrastructure: GNSS implementation

C) **Air Navigation Safety Improvement Program"**
   Project C1 – Improvement of airspace and ATS services safety (contributions from the GTE, LHD reduction, monitoring, PBCS with emphasis on oceanic areas, etc.).
   Project C2 – Aerodrome certification.
   Project C3 – Cybersecurity guidances

2.5   In addition, the Secretariat proposes a Model List for the GREPECAS Work Programs and Projects (Appendix B), as well as a corresponding Model Description Template for the GREPECAS Projects (Appendix C) that are part of each of the programs described above.

2.6   Therefore, the following draft Decision is proposed to comply with the GREPECAS Decision 21/22 to improve the activities of the GREPECAS Work Programme:

DECISION GREPECAS/22/XX	Review of the Current GREPECAS Work Programme and Projects	

What:
 That,
   a) The meeting adopts the List of Work Programmes and Projects submitted by WP/14 and the Project Description Template (Appendix xx and Appendix nn to this report);
   b) The Secretariat completes the description templates for each project (Appendix nn to this report), and that they are submitted for the analysis and approval of GREPECAS/23.
   c) The Secretariat formulates a management mechanism and responsibilities for better monitoring and follow-up of these GREPECAS Programs and Projects, and present them for the analysis and approval of GREPECAS/23.
		Expected impact:
		 ☐ Political / Global
		 ☒ Inter-regional
		 ☒ Economic
		 ☒ Environmental
		 ☒ Operational/Technical

Why: The list of GREPECAS Programs and Projects available on the GREPECAS webpage has not been updated since 2021, and the objectives and goals of the Programs lack clarity. Additionally, the indicators and targets on the GREPECAS Dashboards are not aligned with the GREPECAS Programs and Projects. The projects of the SAM and CAR Regions are defined separately, without integration.		

When: a) Immediate
           b) GREPECAS/23
           c) GREPECAS/23
	Status: ☐ Valid / ☐ Superseded / ☐ Completed	

Who: ☒ States ☒ ICAO ☐ Other:		

3.   Suggested actions:

3.1   The Meeting is invited to:

    a) Take note of the information in this Working Paper;
    b) Analise and approve the Draft Decision in paragraph 2.6; and
    c) Propose some other actions as needed.

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APPENDIX A

GREPECAS/21 APPENDIX E TO THE REPORT

APPENDIX E
ADJUSTMENTS/RECOMMENDED ACTIONS (TO OPTIMISE THE WORK OF THE REGIONAL GROUP AND TO ENHANCE THE RELEVANCE FOR STATES AND THE INDUSTRY FOR THE IMPLEMENTATION OF AIR NAVIGATION SERVICES

GENERAL:

a) Review of amendments to ICAO Annexes and Documents
b) Follow up Programme to national and regional air navigation plans aligned with the GANP
c) Participation in the Assembly and Air Navigation Conferences
d) Strengthening the Data Analysis Working Group (DAWG)

MET Area

a) Modifications in MET Documentation to include PANS-MET (Amendment 81 to ICAO Annex 3)
b) Modifications in Volcanic Ash Reporting (QVA and Sulfur Dioxide Density)
c) Creation of Severe Events Advisory Centres.

AIS Area

a) Mainly, the task is the preparation of the System Wide Information Management (SWIM) Regulatory Framework (SWIM)
b) To Improve System concerning to Airmen Notices to (NOTAM)

AGA Area

a) Implementation of ACR/PCR (2024)
b) Major changes to Obstacle Limitation Surfaces (to be reviewed by ANC)
c) Provisions for ground handling services
d) Improvements in visual aids for air navigation
e) Improved operational safety through enhanced visual aids to mark construction works at aerodromes
f) Guidance for airports in mountainous areas (new work programme)
g) Evolution of Collaborative Decision-Making concepts for aviation (Total Airport Management) (new work programme)
h) Vertiports (new work programme)
i) Global Provisions for the Design, Certification and Operations of Water Aerodromes (new work programme)
j) Airport Emergency Plans, Airport Emergency Plans and Assistance to Aircraft Accident Victims and their Families (new work programme)

ATM Area

a) Consolidation of the implementation of Performance Based Navigation (PBN), in departure/arrival segments, approaches and Terminal Area (TMA) structures. Implementation of Area Navigation (RNAV) in upper and lower regional CAR/SAM airspace
b) Optimization of the efficiency and operational safety of Continental and Oceanic airspace
c) Implementation of the Air Traffic Flow Management (ATFM) service based on the cross-border concept. Integration of CAR/SAM services
d) Harmonized planning and implementation of the Free Route Operations (FRTO) module of GANP, Block 0, based on DCT, Flexible Use of Airspace (FUA), User Preferred Routes (UPR) and Conflict Detection and Monitoring elements (new programme)
e) Concept of Operations Induction (CONOPS) on Air Traffic Management for UAS (UTM)

CNS Area

a) Review the Basic Building Blocks (BBB) for Communications, Navigation and Surveillance (CNS) according to the new version of GANP, version 7
b) Support the implementation tasks for the automation of Air Traffic Services Inter-Facility Data Communications (AIDC);
c) Support the completion of the implementation of the Air Traffic Services (ATS) Message Handling System (AMHS)
d) Provision of information to support the development of legislation for Automatic Dependent Surveillance-Broadcasting (ADS-B)
e) Management of frequencies for aviation services
f) Supporting the development of States' air navigation plans
g) Provide guidance in the regional implementation of CNS infrastructure
h) Support the implementation of Annex 10, Volume VI (Communication Systems and Procedures Relating to Remotely Piloted Aircraft Systems C2 Link)
i) Support the tasks of evaluation and implementation of cybersecurity measures for the area of air navigation.

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APPENDIX B
LIST OF GREPECAS WORK PROGRAM AND PROJECTS

PROGRAMMES				PROGRAM COORDINATOR	CORRELATED PROJECTS	
ID	Title	Objective	Meta/Goal	ICAO	ID	Title

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APPENDIX C
GREPECAS PROJECT DESCRIPTION TEMPLATE

ID: XX	PROJECT DESCRIPTION (PD)		PROGRAMME: XX	
ICAO Coordinator: ROs	**Project Title**		**Start date**	**End date**
Project Leader (State): *XXXXXX*	XXXXX		Month/Year	Month/Year
Objetive				
Scope				
Justification				
Indicators/Targets				
Resources Needed				
Main risks identified				

— A2 —

Activities/Actions	Deliverables	Delivery date	Implementation Status (SAM)	Implementation Status (CAR)	Comments
			0%	0%	
			0%	0%	
			0%	0%	
			0%	0%	

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