



 | ICAO **NACC/DCA**
North American, Central American and Caribbean Directors of Civil Aviation



New CAR Regional Performance-Based Air Navigation Implementation Plan (RPBANIP) Version 4.0

Secretariat



Agenda Item 6.3 - P/05

Eighth Meeting of the North American, Central American and Caribbean Directors of Civil Aviation (NACC/DCA/08)
Ottawa, Canada, 28 to 30 August 2018

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CAR Regional Performance-Based Air Navigation Implementation Plan (RPBANIP)

WHY IS RPBANIP IMPORTANT?

- The RPBANIP is the Regional Plan that establishes the Regional Air Navigation Implementation Agreements
- Reflects regional priorities in air navigation
- The current plan is applicable for 2016-2018 and the new version will be applicable for 2019-2021



Background

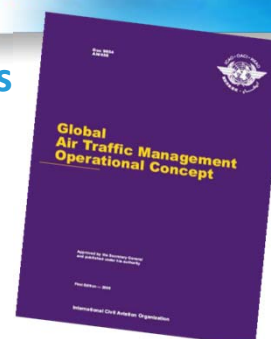
✈ DECISION NACC WG 5/24 UPDATE OF RPBANIP

- ✈ In order to update the RPBANIP with the 5th Edition of the GANP the ASBU Task Force, in coordination with the ICAO NACC Regional Office draft an update of the RPBANIP by 30 August 2017.
- ✈ ASBU TF rapporteur drafted the revised RBPANIP, which will be available at ICAO website for the RPBANIP ver. 4.0
- ✈ The final draft of the RPBANIP ver. 4.0 updated will be presented to the ANI/WG 4 Meeting.



Implementation of Air Navigation Systems

- Global ATM Operational Concept (Doc 9854) ————— Global vision
- GANP (Doc 9750) ————— Global Strategic Planning
- CAR/SAM eANP (Doc 8733)/RPBANIP ————— Regional action
- National Planning ————— National action





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Plan Regional NAM/CAR de Implementación de Navegación Aérea Basado en la Performance (RPBANIP)
v3.1 — abril de 2014
Organización de Aviación Civil Internacional

NAM/CAR RPBANIP v3.1

- ✈ **Foreword**
- ✈ **Chapter 1** Growth and Distribution of Air Traffic in the NAM/CAR Regions
- ✈ **Chapter 2** Regional Performance Objectives (RPOs)
- ✈ **Chapter 3** Aviation System Block Upgrade (ASBU) Air Navigation Reporting Forms (ANRFs)
 - ✈ **Appendix A** Aviation System Block Upgrades
 - ✈ **Appendix B** Categorization of ASBU Block 0 Modules for the NAM/CAR Regions
 - ✈ **Appendix C** Terms and Definitions

Previous Version


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CAR Regional Performance Based Air Navigation Implementation Plan (RPBANIP)

Official Plan that contains all Air Navigation Areas of implementation
(AIM, AGA, ATM, CNS, MET, SAR)

New Versión 4.0



2018




The new version 4.0 will be :

- applicable for the CAR Region
- aligned with 6th edition of GANP
- transitional until CAR/SAM eANP Vol III is approved

Note: **NAM** Region is preparing their own NAM eANP Vol. III instead of the RPBANIP

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**CAR Regional
Performance-Based Air
Navigation
Implementation Plan
(RPBANIP)**


Draft Ver. 4.0 – July 2018
International Civil Aviation Organization


CAR RPBANIP v4.0

- ✈ **PART I – Introduction**
 - ✈ 1. Background
 - ✈ 2. Regional performance framework and aviation system block upgrades (ASBUS)
 - ✈ 3. Objectives and purpose of CAR Regional Air Navigation Plan (RPBANIP)
 - ✈ 4. The Caribbean (CAR) Region



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✦ PART II – GENERAL PLANNING ASPECTS (GEN)

1. Regional Collaboration
2. Regional Priorities
3. Planning Principles
4. Planning Methodology
5. Review and Evaluation of Air Navigation Planning
6. Metrics and Targets for State ANPs, RASI ANRFs, and ASBU
7. Regional Performance Objectives (RPOs)
8. Reporting and monitoring results

- ✦ Appendix A - CAR Regional Performance Objectives (RPOs) and Completion Instructions
- ✦ Appendix B - CAR ASBU ANRF Template and Completion Instructions
- ✦ Appendix C - CAR RASI ANRF Template and Completion Instructions




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REGIONAL PERFORMANCE OBJECTIVES (RPOs)

1. Implementation of Performance Based Navigation (PBN)
2. Implementation of Flexible Use Airspace (FUA)
3. Improve Demand and Capacity Balancing (DCB)
4. Improve **SITUATIONAL AWARENESS**
5. Capacity And Efficiency of **AERODROME OPERATIONS** in the CAR Region
6. Optimization and Modernization of Communication Infrastructure (COM)
7. Implementation of Aeronautical Information Management (AIM)
8. Improve Availability of Meteorological Information (MET)
9. Improve Search and Rescue (SAR)

RPOs contain the basic elements to be implemented for the different ASBU B0 Modules

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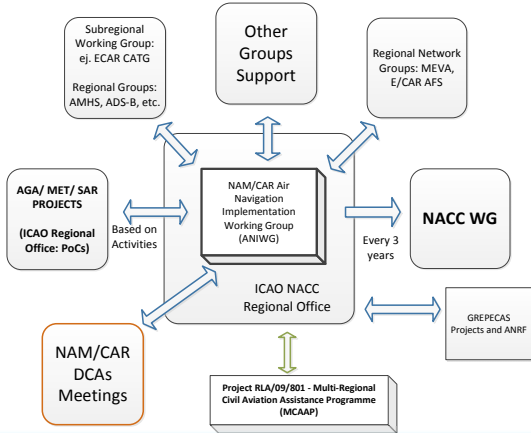
CAR RPBANIP v4.0

- ✈ **PART III – AVIATION SYSTEM BLOCK UPGRADES IMPLEMENTATION (ASBU)**
 - ✈ 1. Introduction
 - ✈ 2. CAR ASBU Block 0 Implementation Targets and Status
 - ✈ Appendix A - CAR ASBU Handbook
 - ✈ Table CAR ASBU -1 – CAR Metrics and Targets for ASBU Block 0 Elements
 - ✈ Table CAR ASBU -2 – CAR Implementation Status of ASBU Block 0 Elements

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NAM/CAR Air Navigation Implementation Working Group (ANI/WG)



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graph TD
    SWG[Subregional Working Group: ej. ECAR CATG  
Regional Groups: AMHS, ADS-B, etc.] <--> ANI[NAM/CAR Air Navigation Implementation Working Group (ANI/WG)]
    OGS[Other Groups Support] <--> ANI
    RNG[Regional Network Groups: MEVA, E/CAR AFS] <--> ANI
    AGA[AGA/MET/SAR PROJECTS  
(ICAO Regional Office: PoCs)] <--> ANI
    ANI <--> ICAO[ICAO NACC Regional Office]
    ICAO <--> NACC[NACC WG]
    ICAO <--> GREPECAS[GREPECAS Projects and ANRP]
    ICAO <--> MCAAP[Project RLA/09/801 - Multi-Regional Civil Aviation Assistance Programme (MCAAP)]
    ANI <--> DCAs[NAM/CAR DCAs Meetings]
    DCAs <--> ICAO
    ICAO <--> DCAs
    
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**CAR Regional Performance-Based Air Navigation Implementation Plan (RPBANIP)
AVIATION SYSTEM BLOCK UPGRADE (ASBU)**

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✈ **PART IV – REGIONAL AVIATION SYSTEM IMPROVEMENT IMPLEMENTATION (RASI)**

✈ **1. Introduction**

- Appendix A:– CAR RASI-1 ANRF
- Appendix B: - CAR RASI-2 ANRF
- Appendix C: - CAR RASI-3 ANRF
- Appendix D: - CAR RASI-4 ANRF

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New Concept:

✈ **Regional Aviation System Improvement Implementation (RASI)**

✈ The CAR Regional specific Elements not part of ASBU will be reported using the RASI ANRF. These Elements are:

- ✈ **Aerodrome Certification** – aerodrome-centric element
- ✈ **Aerodrome Bird/Wildlife Organization and Control Program** – aerodrome-centric element

Elements	Metrics	Targets	Progress & Remarks
1. Aerodrome Certification	Number of aerodromes to be considered: 72 a. How many States have assessed the need? 21 b. How many aerodromes need this capability? 72 c. How many aerodromes have implemented this capability? 36 implemented	B0-ACER-1. Target 1: Assess by date a. 2025 b. 2018-2021 B0-ACER-1. Target 2: Assess by date c. other 36 by 2025	



CAR/SAM eANP Vol III- Current Status

GREPECAS Decision PPRC/4-3

POSPOSTMENT OF APPROVAL OF CAR/SAM eANP VOLUME III

Considering the upcoming GANP update, 6th. Edition (2019) by ICAO and the importance of aligning the Volume III to these requirements:

- a) The Secretariat will circulate Vol III until the Sixth Version of the GANP is available
- b) States to continue using their Regional Performance-based Air Navigation Plans (SAM-PBIP y RPBANIP) for the development of their National Air Navigation Plans



The management of CAR/SAM ANP Volume III is the responsibility of the GREPECAS



- ✓ Planning: objectives set, priorities and targets planned at regional or sub-regional levels
- ✓ Implementation monitoring and reporting: monitoring of the progress of implementation towards targets planned
- ✓ Guidance: providing regional guidance material for the implementation of specific system procedures in a harmonized manner.

