



ICAO

International Civil Aviation Organization  
North American, Central American and Caribbean Office

WORKING PAPER

NACC/WG/AGA/TF/2 — WP/06  
16/05/24

**Second North American, Central American and Caribbean Working Group (NACC/WG) Aerodromes and Ground Aids (AGA) Implementation Task Force Meeting (NACC/WG/AGA/TF/2)**  
Mexico City, Mexico, 15 to 17 May 2024

**Agenda Item 6: GREPECAS Project F2: Aerodrome planning and Vol III of the Regional Air Navigation Plan**

**PROJECTS TO SUPPORT AERODROME PLANNING AND VOL III RANP**

(Presented by the Secretariat)

| <b>EXECUTIVE SUMMARY</b>   |  |
|--|--|
| This working paper presents the events and projects to support aerodrome planning and Volume III of the CAR/SAM Air Navigation Plan (ANP). |  |
| <b>Action:</b>   | See section 3  |
| <b>Strategic Objectives:</b>   | <ul style="list-style-type: none"><li>• Strategic Objective 1 – Safety</li><li>• Strategic Objective 2 – Air Navigation Capacity and Efficiency</li></ul>                                |
| <b>References:</b>   | <ul style="list-style-type: none"><li>• ICAO Global Air Navigation Plan – GANP. Doc. 9750</li><li>• Handbook on the Global Performance of the Air Navigation System. Doc. 9883</li></ul> |

**1. Introduction**

1.1. The Twentieth Meeting of the Caribbean and South America Regional Planning and Implementation Group (GREPECAS/20) approved the initial version 0 of Volume III of the CAR/SAM Air Navigation Plan (ANP), formulated based on the ICAO Council Template, and aligned with recommendation of the AN-Conf 13. Subsequently, GREPECAS/21 approved version 0.1 of Volume III of the CAR/SAM ANP<sup>1</sup>, incorporating data and information from States and airports in the CAR Region.

1.2. However, Volume III of the CAR/SAM ANP is not complete and requires extensive planning to enhance the capacity and efficiency of aerodrome operations. This involves calculating GANP Key Performance Indicators (KPIs) related to aerodromes, as well as developing investment and development plans for the short, medium, and long term based on the six-step method for performance-based planning.

<sup>1</sup> [Approval of draft report to council on the new regional air navigation plan \(anp\) template and procedures for amendments \(icao.int\)](https://www.icao.int)

## 2. Discussion

2.1. To support States in the development of Volume III of the CAR/SAM ANP, ICAO has planned the following events for 2024:

- Second CAR Workshop for the Implementation of the CAR/SAM Regions Air Navigation Plan Volume III (CAR/SAM/ANP-VOL III)<sup>2</sup>, 13 - 15/02/24, ICAO NACC Regional Office, Mexico City, Mexico. (accomplished)
- Workshop on strategic planning focused on air navigation and airports, including guidance for decision-making based on cost-benefit analysis, 18 - 20/09/24, ICAO NACC Regional Office, Mexico City, Mexico. (programmed)
- Workshop on Global Air Navigation Plan Key Performance Indicators (KPIs), 28 - 31/10/24, ICAO NACC Regional Office, Mexico City, Mexico. (programmed)

2.2. Additionally, the following projects were submitted for approval through the Multi-Regional Civil Aviation Assistance Programme (MCAAP)<sup>3</sup>:

- Development of regional guidance material for States to align local Master Plans with National and Regional Plans (Appendix A).
- Workshop on the development of the Global Air Navigation Plan Key Performance Indicators Evaluation (Appendix B).
- Development of regional guidance material for support States in the cost-benefit analysis process within the GNAP six-step methodology, for the preparation of VOL III of the Regional Air Navigation Plan (Appendix C).

2.3. These projects will be analysed and approved, if possible, at the Eleventh Meeting of the RLA09801 Multi-Regional Civil Aviation Assistance Programme (MCAAP) Project Steering Committee, Placencia, Stann Creek District, Belize, July 10, 2024.

## 3. Suggested Action

3.1. The Meeting is invited to:

- a) Take note of the information presented in this WP.
- b) The AGA/TF to take action to promote the international aerodrome planning and the development of VOL III of the Regional Air Navigation Plan.
- d) Other actions that the meeting considers necessary.

— END —

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<sup>2</sup> [CAR/SAM/ANP-VOLIII/2 \(icao.int\)](#)

<sup>3</sup> [PowerPoint Presentation \(icao.int\)](#)

# MCAAP ACTIVITY PROPOSAL FORM

Rev. MAR2024

**MCAAP Proposal Activity N.**

**05 - 2024**

**Focus Area:**

**2 - Improve Regional Capacity and Efficiency**

|  |  |                                      |  |
|--|--|--------------------------------------|--|
| <b>Event/Activity title:</b>   | Development of regional guidance material for States to align local Master Plans with National and Regional Plans.   |                                      |  |
| <b>Problem statement (opportunity):</b>                                  | There is no regional guidance material to guide States on how to prepare their strategic airport development plans for the medium and long-term at a national and regional levels, in coordination with the Global Air Navigation Plan (GANP) requirements.  |                                      |  |
| <b>Proposed solution (activity):</b>                                     | Hire 2 Subject Matter Expert (SME) to develop regional guidance material for States to align Local Master Plans with National and Regional Plans, and in observance of Doc 9184 Part 1 - Airport Planning Manual and Doc 9750 GANP. Each SME will be working virtually along 25 business days (for a total of 50 workload days funded by MCAAP). | <b>Language of the event</b>         | Not applicable   |
|  |  | <b>Requires interpretation</b>       | <input type="checkbox"/>   |
|  |  | <b>Requires document translation</b> | <input checked="" type="checkbox"/>  |
| <b>Objective:</b>  | Achieve sustainable growth of the regional civil aviation system, through integrated strategic planning at the national and regional level of the airports in the CAR region.  | <b>ICAO Strategic Objectives</b>     | NACC CAP 7.10  |
| <b>Justification:</b>  | The GREPECAS Member States approved under the F2 Project on Airport Planning (PPRC/5 Meeting), 4 work packages, each one related to a product expected by the project, among which is the guidance material for States to align local Master Plans with National and Regional Plans.   |                                      |  |
| <b>If the activity is a step of a larger action, describe the action</b> | GREPECAS F2 Project on Airport Planning.   |                                      |  |
| <b>Deliverables/expected outcomes:</b>                                   | Regional guidance material to support States in the development of their strategic plans and the Air Navigation Plan, Vol III, relating to the airport component.  | <b>Follow-up actions:</b>            | Webinar for dissemination and discussion of guidance material with States.               |
| <b>States impacted by the activity:</b>                                  | All States in the CAR Region   |                                      | <b>Estimated impact on EI%:</b> 1%   |
| <b>Local (of execution of activity)</b>                                  | <b>Personnel (representing cost to the Project)</b>  | <b>Period/Duration (w/days)</b>      | <b>Estimated cost to the Project</b>   |
| Virtual  | 2 Subject Matter Expert (SME)  | 50 working days (25 per SME)         | USD 17,500 SME (considering USD 350 per day per SME)+ USD 2,500 for document translation |
| <b>Proponent</b>   | RO/AGA<br>...  | <b>approval status</b>               | Choose an item.  |

# MCAAP ACTIVITY PROPOSAL FORM

Rev. MAR2024

**MCAAP Proposal Activity N.**

**12 - 2024**

**Focus Area: 2 - Improve Regional Capacity and Efficiency**

|  |   |                                      |   |
|--|---|--------------------------------------|---|
| <b>Event/Activity title:</b>   | Workshop on the development of the Global Air Navigation Plan Key Performance Indicators Evaluation   |                                      |   |
| <b>Problem statement (opportunity):</b>                                  | As part of the air navigation plan development process and for the development of the electronic air navigation plan (e-ANP) Vol III, it is necessary for the States to integrate into their process the performance evaluation of their operations both in the area of air traffic management and in the area of airport operations. The CAR States have begun their evaluation of the level of implementation of air navigation in their States and the Region, but to continue with the process it is necessary to evaluate their performance. |                                      |   |
| <b>Proposed solution (activity):</b>                                     | Hold a workshop to support States in the CAR Region in developing and calculating GANP KPIs. The workshop will last 4 days and will feature 4 invited experts. This proposal replaces the MCAAP Activity Proposal 14/2023 - Key Performance Indicators Evaluation for ATM.  | <b>Language of the event</b>         | Bilingual *   |
|  |   | <b>Requires interpretation</b>       | <input checked="" type="checkbox"/>   |
|  |   | <b>Requires document translation</b> | <input type="checkbox"/>  |
| <b>Objective:</b>  | Support the implementation of the CAR/SAM ANP Volume III with its KPI development.  | <b>ICAO Strategic Objectives</b>     | NACC CAP 7.4  |
| <b>Justification:</b>  | It was identified at the Second CAR Workshop for the Implementation of the CAR/SAM Air Navigation Plan Volume III, of February 2024, that the one of deficiency of States in the development of the Regional Air Navigation Plan, Vol III, is in the GANP KPI development. For this reason, it is important to hold the Workshop on GANP KPI in 2024.   |                                      |   |
| <b>If the activity is a step of a larger action, describe the action</b> | Support States the develop the CAR/SAM ANP Volume III by GREPECAS   |                                      |   |
| <b>Deliverables/expected outcomes:</b>                                   | Development of the knowledge of regional specialists and its application to the Air Navigation Plans of the CAR States and e-ANP III.   | <b>Follow-up actions:</b>            | Monitoring the CAR/SAM eANP VOL III update process with the States by GREPECAS.   |
| <b>States impacted by the activity:</b>                                  | All States in the CAR Region.   |                                      | <b>Estimated impact on EI%:</b> 1%  |
| <b>Local (of execution of activity)</b>                                  | <b>Personnel (representing cost to the Project)</b>   | <b>Period/Duration (w/days)</b>      | <b>Estimated cost to the Project</b>  |
| Mexico (NACC RO)   | 4 Subject Matter Experts (SME)  | 4 days                               | US\$18,500.00   |
| <b>Proponent</b>   | <b>Details</b>  | <b>Details</b>                       | <b>Details</b>  |
| RO/AGA<br>...  | 4 experts to carry out the Workshop   | NIL                                  | USD 15,500 (tickets+DSA for the SMEs) + 3,000 interpretation. From this total, USD 16,000 were already approved through MCAAP A P 14/2023 |

## MCAAP ACTIVITY PROPOSAL FORM

**MCAAP Proposal Activity N.**

**07 - 2024**

**Focus Area:**

**2 - Improve Regional Capacity and Efficiency**

|  |  |                                      |   |
|--|--|--------------------------------------|---|
| <b>Event/Activity title:</b>   | Development of regional guidance material for support States in the cost-benefit analysis process within the GNAP six-step methodology, for the preparation of VOL III of the Regional Air Navigation Plan.  |                                      |   |
| <b>Problem statement (opportunity):</b>                                  | There is no regional guidance material to support States on how to conduct cost-benefit analyses within the GNAP.  |                                      |   |
| <b>Proposed solution (activity):</b>                                     | Develop regional guidance material for support States in the cost-benefit analysis in air navigation planning and conduct a Workshop to capacity building of States in the CAR Region.   | <b>Language of the event</b>         | Not applicable  |
|  |  | <b>Requires interpretation</b>       | <input type="checkbox"/>  |
|  |  | <b>Requires document translation</b> | <input checked="" type="checkbox"/>   |
| <b>Objective:</b>  | Achieve sustainable growth of the regional civil aviation system, through strategic planning of air navigation based on cost-benefit analyses.   | <b>ICAO Strategic Objectives</b>     | Air Navigation Capacity and Efficiency  |
| <b>Justification:</b>  | It was identified at the Second CAR Workshop for the Implementation of the CAR/SAM Air Navigation Plan Volume III, of February 2024, that the greatest deficiency of States in the development of the Regional Air Navigation Plan, Vol III, is in the cost-benefit methodology. For this reason, the Workshop on strategic planning focused on air navigation and airports, including guidance for decision-making based on cost-benefit analysis, was programmed to end of 2024. |                                      |   |
| <b>If the activity is a step of a larger action, describe the action</b> | CAR/SAM eANP, VOL III, update process.   |                                      |   |
| <b>Deliverables/expected outcomes:</b>                                   | Regional guidance material for support States in the cost-benefit analysis in air navigation planning and a Workshop about this guidance.  | <b>Follow-up actions:</b>            | Monitoring the CAR/SAM eANP VOL III update process with the States by GREPECAS. |
| <b>States impacted by the activity:</b>                                  | All States in the CAR Region   |                                      | <b>Estimated impact on EI%:</b> 1%  |
| <b>Local (of execution of activity)</b>                                  | <b>Personnel (representing cost to the Project)</b>  | <b>Period/Duration</b>               | <b>Estimated cost to the Project</b>  |
| Virtual  | 2 Subject Matter Expert (SME)  | 40 working days total                | USD 14,000 SME + USD 2,500 translation + USD 7,000 Workshop                     |
| <b>Proponent</b>   | RO/AGA<br>RO/CNS   | <b>approval status</b>               | Choose an item.   |