



**Twentieth Meeting of the CAR/SAM Regional Planning and Implementation Group
 (GREPECAS/20)**

Salvador, Brazil, 16 - 18 November 2022

- Agenda Item 2: Global and regional developments**
 2.4 CAR/SAM Regional Air Navigation Plan Vol. III work update and regional progress

UPDATE OF THE REGIONAL AIR NAVIGATION PLAN AND FORMULATION OF VOL. III

(Presented by the Secretariat)

SUMMARY

This working paper outlines the activities undertaken in the CAR/SAM Regions to review and update Vol. I and Vol. II of the CAR/SAM e-ANP in order to establish a solid foundation for the formulation of Vol. III. It describes the work carried out to build the basic knowledge for the formulation of the tables of Vol. III. The main enabler of Vol. III is the management of KPIs by the Administrations. The skills developed and the validation conducted in the CAR/SAM Regions of the use of the template approved by the Council in 2014 help define the next processes and tools for the development of the CAR/SAM ANP Vol. III. Based on the activities carried out by the Secretariat, an initial version of Vol. III (version 0) has been developed.

Action:	Suggested actions are presented in Section 4.
<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"> • Nineteenth meeting of the CAR/SAM Regional Planning and Implementation Group (GREPECAS/19) • Fifth meeting of the GREPECAS Programmes and Projects Review Committee (PPRC/5); • Thirteenth Air Navigation Conference (AN/Conf-13) • Doc 9750 - Global air navigation plan (GANP) – Sixth edition; and • Second and Third virtual meeting of the PPRC (ePPRC/2 and 3)

1. Introduction

1.1 The Nineteenth Meeting of the CAR/SAM Regional Planning and Implementation Group (GREPECAS/19) followed up on the CAR/SAM Regional Air Navigation Plan (CAR/SAM ANP) review and update project.

1.2 The Fifth Meeting of the Programmes and Projects Review Committee (PPRC/5) reviewed the status of Decision PPRC/4-03 and decided to replace it with Decision PPRC/05-10.

1.3 The 40th ICAO Assembly endorsed the Sixth edition of the Global Air Navigation Plan (GANP).

1.4 The Thirteenth Air Navigation Conference issued recommendations related to the development of Vol. III of the Regional Air Navigation Plans.

1.5 The template for Volume III was approved by the ICAO Council in June 2014.

2 Analysis

2.1 The Thirteenth Air Navigation Conference, in Recommendation 4.3/1, paragraph d) encouraged the regional planning and implementation groups (PIRGs) to apply a performance-based approach (PBA) to implement and adopt the six-step performance management process described in the Manual on global performance of the air navigation system (Doc 9883) by incorporating the process in Volume III of all regional air navigation plans (RANPs).

2.2 PPRC/5, through Conclusion PPRC/05-10, entrusted the Secretariat with processing the approval of Vol. III of the CAR/SAM e-ANP by the third quarter of 2020.

2.3 In early 2020, ICAO formed an interregional working group for the implementation of a standard template for Volume III of the RANPs with a performance-based approach. As a result, a pilot project was established in the CAR/SAM Regions in order to expedite the implementation of this document in all ICAO Regions.

2.4 During the 2019-2022 period, the GREPECAS Secretariat has carried out activities with States/Territories and organisations to disseminate the ICAO proposed template and reinforce the performance-based planning concepts, with the purpose of developing Volume III of the CAR/SAM Regional Air Navigation Plan (CAR/SAM e-ANP). In this process, the following was observed:

- a) The implementation of the basic building blocks (BBB), as set out in the GANP and the GASP, needs to be strengthened in several CAR/SAM States;
- b) Difficulty in standardising performance-based planning criteria;
- c) Marked difference in States' capacity to collect, keep and integrate input data, and to manage KPIs;
- d) Different interpretations of the application of the proposed template, and different key performance area (KPA) prioritisation approaches;

- e) Need to review and update Volumes I and II;

2.5 In view of the abovementioned, it was decided to create a Project to review Vol. I and II of the e-ANP and the CAR/SAM e-ANP development and management processes, in order to have a solid basis on which to build Vol. III of the Regional Air Navigation Plan.

2.6 The project prepared by the Secretariat contains the following points:

- a) Project planning;
- b) Management of the CAR/SAM Regional Air Navigation Master Plan;
- c) Analysis of the ANP with other documents;
- d) Review of Vol. I;
- e) Review of Vol. II;
- f) Assistance for the formulation and management of Vol. III of the CAR/SAM ANP
 - i) Part 1: Analysis and comparison of the CAR/SAM ANP with the GANP, Sixth edition.
 - ii) Part 2: Proposal, review and approval of template.

2.7 Accordingly, the Secretariat assisted with a set of activities, as summarised in **Appendix A** to this working paper.

2.8 The set of activities with States/Territories and organisations has enabled the Secretariat to receive valuable feedback regarding the understanding of the six-step method contained in Doc 9883 and the management of KPIs, as well as the use of the template as a tool for managing Volume III.

2.9 Opportunities for improvement have been identified in the text of the template and the planning tables, including proposals for new columns and explanatory notes, so that they can be associated with the concepts in the GANP, as well as for facilitating the interaction between planners and the tools (tutorials, catalogues, dashboard, AN-SPA, etc.) provided on the GANP website. In the SAM Region, the need for the GANP and the CAR/SAM ANP in Spanish has been emphasised and restated.

2.10 In order to demonstrate the PBA planning sequence through the template tables, highlight the contribution of the improvement proposals to the understanding of the process, as well as present the process that CAR/SAM States will follow to enter (populate) their data in these tables, initial data from four States are included (for reference only).

2.11 The first version of Volume III of the CAR/SAM ANP is presented in **Appendix B** to this paper (English language only), including the aforementioned proposals for improvement highlighted in grey and tables with initial reference data, which allows to start the process of further filling in the tables with planning data from the CAR/SAM States/Territories, as well as to strengthen the management of Volume III.

2.12 The need to guide the activities of States regarding national air navigation plans has been identified. This issue is presented in WP/21 - GREPECAS work proposal for the triennium 2022-2025.

3 Conclusion

3.1 The basic knowledge for the formulation of the tables in Vol. III has been developed. It has been identified that the main enabler of Vol. III is KPI management by administrations. This should be a scalable process that can start with the simple collection of air traffic data, including take-off/landing time versus estimated time, off-block and in-block times, compared taxi-in and taxi-out times, flow of operations at an airport, comparison between planned flight and actual flight, etc.

3.2 The ICAO GANP has continued to improve and expand its contents. The seventh edition of the GANP addresses the “safety” KPA and the new KPIs associated with it. The assistance provided has also facilitated the forthcoming adoption of these subjects.

3.3 The skills developed with CAR/SAM planning experts, as well as the validation carried out on the use of the template approved by the Council in 2014, have made it possible to define the next processes and tools for the management of Vol. III of the CAR/SAM ANP.

3.4 GREPECAS shall address the procedure for amendment of this document in order to comply with item 7.5 of *PART C - AIR NAVIGATION PLANS, VOLUME III - Procedure for amendment of Volume III*. See WP/10.

3.5 The Secretariat and the States have worked together to review and update Vol. I and Vol. II of the CAR/SAM e-ANP in order to establish a solid foundation for the development of Vol. III. The project created by the Secretariat to assist CAR/SAM States has met the objectives set for the alignment of the CAR/SAM ANP with the GANP. Assistance activities for the development and management of Volume III of the CAR/SAM ANP have been completed, and it is recommended that work to continue the implementation of Volume III of the CAR/SAM ANP be included in the regular activities of GREPECAS.

3.6 Consequently, the following draft conclusion is submitted for consideration:

DRAFT CONCLUSION	
GREPECAS/20/xx	APPROVAL OF THE INITIAL VERSION (VERSION 0) OF VOLUME III OF THE CAR/SAM ANP, AND FURTHER ACTIONS FOR THE MANAGEMENT AND DEVELOPMENT OF PERFORMANCE-BASED PLANNING
That: GREPECAS; a) Adopt the initial version (version 0) of Volume III of the CAR/SAM ANP (Appendix B to the report), formulated on the basis of the ICAO Council template and aligned	Expected impact: <input type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Interregional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental

<p>with Recommendation 4.3/1, subparagraph d), of AN-Conf 13; and</p> <p>b) Approve the CAR/SAM ANP Vol III management programme that allows for the sustainable implementation of performance-based planning.</p> <p>States:</p> <p>a) Establish work teams to carry out data collection and GANP KPI management activities as the basis for entering data in Vol. III planning tables, with the assistance of the Secretariat.</p>	<input checked="" type="checkbox"/> Technical/Operational
<p>Why:</p> <p>To implement the six-step approach to performance-based planning in the CAR/SAM Regions and start the process of entering data of States/Territories and thus managing Volume III.</p>	
<p>When: a) immediately b) report to PPRC/XX</p>	<p>Status: <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed</p>
<p>Who: <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input type="checkbox"/> Other:</p>	

4 Suggested actions

4.1 The Meeting is invited to:

- a) take note of the information presented herein;
- b) review and, if appropriate, approve the draft conclusion presented in 3.6; and
- c) take any other action it may deem appropriate.
