



**Fifth Meeting of the Programmes and Projects Review Committee (PPRC/5)**  
 Mexico City, Mexico, 16 to 18 July 2019

**Agenda Item 6: Monitoring and Reporting of the Implementation of Air Navigation in the CAR/SAM Regions**

**6.2 Other relevant air navigation implementation**

**PLANNING FOR THE IMPLEMENTATION OF THE GANP SIXTH EDITION**

(Presented by the Secretariat)

| <b>EXECUTIVE SUMMARY</b>   |   |
|--|---|
| <p>This working paper presents the proposed implementation strategy for the sixth edition of the Global Air Navigation Plan.</p> |   |
| <b>Action:</b>   | The indicated in item 3.1.  |
| <i>Strategic Objectives:</i>   | <ul style="list-style-type: none"> <li>• Safety</li> <li>• Capacity and Efficiency</li> <li>• Economic Development</li> <li>• Environmental Protection</li> </ul>   |
| <i>References:</i>   | <ul style="list-style-type: none"> <li>• ICAO Doc 9750 – <i>Global Air Navigation Plan (GANP)</i></li> <li>• NAM/CAR Regional Performance-Based Air Navigation Implementation Plan (RPBANIP)</li> <li>• SAM performance-based air navigation plan (SAMPBIP)</li> <li>• Report of the Ninth North American, Central American and Caribbean Directors of Civil Aviation Meeting (NACC/DCA/9)</li> <li>• Report of the Sixth Meeting of Air Navigation and Flight Safety Directors of the SAM Region (ANFS/6)</li> <li>• Report of the Twenty Third Meeting on the ICAO SAM Implementation Group (SAM/IG/23)</li> <li>• Reports of the Third Meeting on Projects of the CAR/SAM Planning and Implementation Regional Group (GREPECAS) Meteorology (MP/3) Programme and the Twelfth Multilateral Meeting of the SAM Region for the transition from AIS to AIM (SAM/AIM/12)</li> </ul> |

## 1. Introduction

1.1 The Global Air Navigation Plan (GANP) is the highest level document for the air navigation strategy. This plan boosts the evolution of the global air navigation system and includes as a high-level guidance, the Global Air Traffic Management Operational Concept (ICAO Doc. 9854 GATMOC) and the Manual on Air Traffic Management System Requirements (ICAO Doc. 9882). The GANP is being evolved to serve as a worldwide reference to transform the air navigation system in an evolutionary manner so that no State or Stakeholder is left behind<sup>1</sup>.

1.2 The GANP Sixth Edition has been prepared and circulated to States for review and comments. After this process and the analysis of the contribution of the States, the Air Navigation Commission recently agreed to the presentation of the GANP draft sixth edition for the approval of the ICAO Council.

1.3 The draft GANP Sixth Edition has been analysed in several CAR and SAM forums, as the NACC/DCA/9, Fifth Air Navigation Implementation Working Group (ANI/WG/5, NAM/CAR Regions), and the ANFS/6, the SAM/IG/23, MP/3 and the SAM/AIM/12 (SAM Region).

## 2. Discussion

### *Implementation Strategy for the CAR Region*

2.1 When analysing the draft 6th edition of the GANP, the ANI/WG/5 Meeting considered the Multilevel Structure<sup>2</sup>, the reference framework of the Basic Building Blocks (BBBs) and the modifications to the ASBU Framework. The meeting reviewed the web-based platform created by ICAO - GANP Portal, which contains the multilevel structure of the GANP and allows stakeholders access to standardized information and the available tools: <https://www4.icao.int/ganpportal/>.

2.2 Likewise, the NACC/DCA/9 Meeting reviewed the structure and mechanism of the 6th edition of the GANP, emphasizing the concept of Basic Building Blocks (BBBs), the web-based platform created by ICAO – the GANP Portal, and the goals under this new edition; The Meeting also considered the new version of the GASP for 2020-2022, highlighting the High Risk categories, the GASP goals and the Operational Safety Performance indicators. Finally, the Meeting considered that the new GANP and GASP could be approved during the upcoming 40th session of the ICAO Assembly, and recognized the importance of these new editions and the need for the regions and the States to align regional and national plans and prepare the necessary budgets to support this implementation. The NACC/DC/9 adopted the following Conclusion NACC/DCA/9/09:

---

<sup>1</sup> <https://www.icao.int/airnavigation/Pages/GANP-Resources.aspx>

<sup>2</sup> [https://www.icao.int/airnavigation/Documents/GANP\\_at\\_glance\\_flyer.pdf](https://www.icao.int/airnavigation/Documents/GANP_at_glance_flyer.pdf)

| CONCLUSION<br>NACC/DCA/09/09  |  | IMPLEMENTATION OF ICAO GLOBAL PLANS  |  |
|---|--|--|--|
| <b>What:</b><br>That, in order to support the alignment of the States and Regional Plans with the new global Plans (GASP and GANP), ensuring the annual budget and resources needed for this implementation, ICAO inform States, once the Global new plans are approved, the list of items critical to be considered from the Plans for States to plan the necessary budgets and National Plan's adjustments. |  | <b>Expected impact:</b><br><input checked="" type="checkbox"/> Political / Global<br><input type="checkbox"/> Inter-regional<br><input checked="" type="checkbox"/> Economic<br><input checked="" type="checkbox"/> Environmental<br><input checked="" type="checkbox"/> Operational/Technical |  |
| <b>Why:</b> to support the alignment of the States and Regional Plans with the new global Plans (GASP and GANP), ensuring the annual budget and resources needed for this implementation  |  |  |  |
| <b>When:</b> Once New Global Plans are approved   |  | <b>Status:</b> <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed  |  |
| <b>Who:</b> <input type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input type="checkbox"/> Other:  |  | ICAO NACC Regional Office  |  |

2.3 The NACC/DCA/9 Meeting reviewed the structure of the NAM/CAR ANI/WG and the need to optimize its structure to address the region's challenges. The Meeting emphasized the need for the corresponding Terms of Reference to show the expected level of efficiency and that the work program is SMART (Specific, Measurable, Attainable, Relevant and Time-bound) with respect to the formulation of tasks, goals, objectives and deliverables, aligned with the GANP, and in coordination with the GASP. The NACC/DCA/9 adopted the following Decision NACC/DCA/9/17:

| DECISION<br>NACCDCA/9/17   |  | APPROVAL OF THE ANI/WG NEW STRUCTURE  |  |
|--|--|---|--|
| <b>What:</b><br>That, with the purpose to impulse the regional strategic objectives and to improve the implementation execution times:<br>a) the new structure of the ANI/WG group implementation is approved, and<br>b) the corresponding ANI/WG Terms of Reference (ToRs) be adjusted with the level of efficiency indicated and that the current work programme is SMART in its formulation of tasks, goals, targets and deliverables, aligned to the GANP and in coordination with the GASP. |  | <b>Expected impact:</b><br><input type="checkbox"/> Political / Global<br><input checked="" type="checkbox"/> Inter-regional<br><input checked="" type="checkbox"/> Economic<br><input type="checkbox"/> Environmental<br><input checked="" type="checkbox"/> Operational/Technical |  |
| <b>Why:</b> To encourage the regional strategic objectives and improve the implementation execution times.   |  |   |  |
| <b>When:</b> NACC/DCA/10   |  | <b>Status:</b> <input checked="" type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed   |  |
| <b>Who:</b> <input checked="" type="checkbox"/> States <input type="checkbox"/> ICAO <input type="checkbox"/> Other:   |  |   |  |

2.4 The ICAO NACC Regional Office continues with the planning tasks and the reconfiguration of the implementation groups in preparation for the adoption of the resolutions resulting from the upcoming 40th session of the ICAO Assembly. The Regional Office included, in the 2020 planning, a regional workshop and working sessions with the implementation groups to guarantee the deployment of the necessary actions within the new versions of the 6th edition of the GANP and the new version of the GASP for the period 2020-2022.

2.5 The electronic Air Navigation Plans (e-ANP) organised in Volumes I and II for the CAR/SAM and NAM Regions separately, could require revisions in order to align them to the new version of the GANP. Regarding the Volume III, it is important to inform the Meeting that Canada and United States have finalized a draft of Volume III for the NAM Region, while the CAR/SAM Regions had postponed the preparation of Volume III, until the approval of the 6th GANP edition; in both cases, the development of the documents will be based on the guidelines resulting from the upcoming 40th session of the ICAO Assembly, and the modifications currently under evaluation by the ICAO Headquarters, for the adoption of a template to standardize the Volume III.

*Implementation Strategy for the SAM Region*

2.6 During SAM/IG/23, SAM/AIM/12 and MP/3 Meetings, the draft of the GANP - Sixth Edition was analysed among the participants. In these meetings, it has been highlighted that, in order for all interested parties to have easy access to the vast amount of information contained in the multi-level structure of the GANP, ICAO has created the GANP Portal. This web-based platform will ensure the congruence of the GANP content for the different levels and will offer more complete information through a single interface. See the link: <https://www4.icao.int/ganpportal/>.

2.7 In these meetings, a presentation was made to demonstrate the functionalities of the portal, highlighting that the original lines of the ASBU methodology, enablers, threads and time blocks are maintained. However, it was reported that new modules or regrouped modules are presented.

2.8 Likewise, the detailed description of the elements of each module and its enablers and interrelationships is emphasized. The concept of basic building blocks (BBB) was analysed, which are aimed at guaranteeing that, before implementing the elements and modules of the GANP, the State complies with an adequate organization of the ANS services, and that the SARPs of the Annexes have been adopted.

2.9 The PPRC/5 Meeting should consider that the 40th session of the ICAO Assembly would support the GANP - Sixth Edition, an action that will involve the National Air Navigation Plan (NANP) revision with the purpose of aligning them with the new objectives outlined in the GANP in its sixth edition. Additionally, the Meeting must also consider that, with the adoption of the sixth edition, it will be necessary to review the e-ANP CAR/SAM Volumes I and II, in order to align it with this new version of the GANP.

2.10 The meeting must be informed that ICAO Headquarters is working on a template with the purpose of standardizing Vol. III of the Regional Air Navigation Plans. In this regard, after approval by the Headquarters of this template, every effort should be made to harmonize regional and intro-regional requirements in order to lay the groundwork for the future CAR/SAM Regional Plan for Air Navigation Volume III, and that is, subsequently, the basis for the State's NANP.

2.11 However, it should be remembered that, in order to standardize NNAPs, States should use the templates, which ICAO will prepare for them, in accordance with Recommendation AN/Conf-13 1.1/1 letter h), to update their NANPs and align them to the CAR/SAM e-ANP and the GANP.

2.12 The ANFS/6 Meeting had analysed this point and, in that sense, had issued the following Conclusion:

| CONCLUSION<br>ANFS/6-01   | PREPARATION OF THE NATIONAL AIR NAVIGATION<br>PLANS   |  |
|---|---|--|
| <p>That the States:</p> <p>a) support the Secretariat in the preparation of Vol. III of the CAR/SAM e-ANP related to the SAM Region and the revision of Vol. I and II of the aforementioned document to align it to the GANP - Sixth Edition, considering the catalog of KPI contained in this document;</p> <p>b) after completing the preparation and review of the three CAR/SAM e-ANP Volumes, elaborate or, if necessary, update their NANP, in order to align them to the GANP initiatives, including the requirements of all the areas that involve air navigation services;</p> <p>c) forward to the Secretariat the developed or updated NANP to the ICAO South American Regional Office. no later than the second semester of 2021.</p> <p>That the Secretariat:</p> <p>d) provide technical support to the States that request it for the development of their NANP and supervise the delivery of said plans to the ICAO South American Regional Office.</p> | <p><b>Expected impact:</b></p> <p><input type="checkbox"/> Political / Global</p> <p><input type="checkbox"/> Inter-regional</p> <p><input checked="" type="checkbox"/> Economic</p> <p><input type="checkbox"/> Environmental</p> <p><input checked="" type="checkbox"/> Technical/Operational</p> |  |
| <p><b>Why:</b> In order to align the Regional Air Navigation Plan (e-ANP CAR/SAM) to the GANP and support the preparation and updating of the National Air Navigation Plans.</p>  |   |  |
| <p><b>When:</b> Before 2022</p>   | <p><b>Status:</b> Approved in ANFS/6</p>  |  |
| <p><b>Who:</b> <input type="checkbox"/> Coordinators <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> Secretariat ICAO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Others:</p>  |   |  |

2.13 The Meeting could adopt the same conclusion, and, in addition, replace the valid conclusions of GREPECAS (C/17-8, C/18-7 and C/18-4), adding letters to the conclusion ANFS/6-01, and the proposal would be like this:

Draft Conclusion PPRC/5-XX: **PREPARATION OF THE NATIONAL AIR NAVIGATION PLANS ALIGNED TO THE SIXTH EDITION OF THE GANP**

**That the States:**

- a) support the Secretariat in the preparation of Vol. III of the CAR/SAM e-ANP and the revision of Vol. I and II of the aforementioned document to align it to the GANP - Sixth Edition, considering the catalog of KPI contained in this document;
- b) after completing the preparation and review of the three CAR/SAM e-ANP Volumes, elaborate or, if necessary, update their NANPs, in order to align them to the GANP initiatives, including the requirements of all the areas that involve air navigation services;
- c) forward the developed or updated NANP to the Secretariat of the ICAO NACC and SAM Regional Offices no later than the second semester of 2021.

**That the Secretariat:**

- d) process the approval of Vol. III of the CAR/SAM e-ANP no later than the third quarter of 2020;
- e) upon Vol III is approved, replace the Regional Air Navigation Plans based on the performance by Vol. III of the e-ANP CAR/SAM, and present it to the PPRC/6; and
- f) provide technical support to the States that request it for the development of their NANP and supervise the delivery of said plans to the ICAO NACC and SAM Regional Offices.

2.14 The Secretariat, in the SAM Region, carries out a plan to work with the Sixth Edition. Within this context, a Workshop on Indicators will be held in August of this year (from 5 to 9). Likewise, it is planned to carry out a series of regional workshops in 2020 to socialize the GANP-Sixth Edition.

**3. Suggested Action**

3.1 The meeting is invited to:

- a) consider the approval of the draft conclusion presented in item 2.13.