



**GREPECAS Programmes and Projects Committee (PPRC) Third Virtual Meeting
 (ePPRC/03)
 Online, 22 – 23 July 2021**

**Agenda Item 2: Follow-up on GREPECAS Programmes and Projects
 2.3 GREPECAS ANS Dashboard Initiative**

GREPECAS ANS DASHBOARD INITIATIVE

(Presented by Secretariat)

EXECUTIVE SUMMARY	
<p>As GREPECAS is progressing with planning for implementation for both CAR and SAM, Regions, the next step calls for a measurement of Air Navigation performance, monitoring and reporting the applied strategy. This Working Paper presents an important advance on the way and mean to report the progress of regional implementation through planned online system referred to as the Regional CAR/SAM Dashboard, which will also support the Regional Annual Air Navigation Report (Global).</p>	
Action:	Action required is at Section 5 .
<i>Strategic Objectives:</i>	<ul style="list-style-type: none"> • Air Navigation Capacity and Efficiency • Safety
<i>References:</i>	<ul style="list-style-type: none"> • Doc 9883, Manual on Global Performance of the Air Navigation System

1. Introduction

1.1 ICAO’s Planning and Implementation Regional Groups (PIRGs) undertake the development and maintenance of the regional Air Navigation Plan (ANP), with the assistance of the Regional Offices. Regional plans are derived from the Global Air Navigation Plan (GANP) based on operational needs. Major adjustments to work programmes were made at ICAO and supported by standardized online tools. Analysis of data should be carried out collaboratively and the results, which will be available through the Regional Performance Dashboard and the annual Air Navigation Report as discussed in the ensuing paragraphs, will help determine the tactical adjustments needed.

2. Data Collection

2.1 After GREPECAS adopted a performance-based approach for air navigation planning and implementation, the next step calls for establishment of measurement and reporting strategy. While GREPECAS is identifying a set of regional performance indicators and supporting their metrics, States have recognized that a measurement strategy comprising of data compilation, processing, storage and mainly reporting for the identified regional performance metrics is fundamental for the success of the performance-based approach.

2.2 A performance measurement strategy will enable complete correlation of the status and the expectations. In order to support this ongoing task of data collecting, measuring and reporting data analysis, GREPECAS consider allocating the measurement and analysis effort to an existing new group under GREPECAS structure for this purpose. The ICAO website will also allow the visualization of the status of implementation through dynamic and interactive charts and tables. This system will generate Ad-hoc reports and enable an easy transformation of the datasets into the CAR/SAM Regional Performance Dashboard and the Annual Air Navigation Report.

2.3 In addition, memoranda of understanding could be established with ANSPs, International Organisations and Industry in order to obtain information and data related to the status of implementation of the air navigation infrastructure. This information will assist in the development of CAR/SAM Regional Performance Dashboard and the annual Air Navigation Report

3. Regional Performance Dashboard

Dataset and prototype

3.1 Data and information sharing and transparency are fundamental for a safe and efficient global air transportation system. Consistent with this principle, the NACC Regional Office is planning to introduce regional ‘Performance Dashboard’ homepages for GREPECAS Membership. This dashboard will present the regional implementation status relating to the ICAO strategic objectives, approved by the ICAO Assembly in the latest Session. It is expected that it will show targeted performance at the regional level and will, initially, contain graphics and maps with a planned expansion in order to include mainly the GANP requirements and the ASBU blocks later. The new interactive online system has been in operation in other regions for more than seven years and is continually updated.

Purpose

3.2 Much like the existing Annual Safety Report (ASR) from the Regional Aviation Safety Groups (RASG), the objective of the annual air navigation report is to assist PIRGs and States in understanding which areas require special attention to improve air navigation performance in their region, as well as to help spread data and information on implementation success stories and associated best practices.

3.3 This report will provide an opportunity for the civil aviation community to evaluate progress across CAR/SAM Regions, supported by the dashboard results. This will facilitate more effective interregional harmonization and planning. The outcomes reflected in the proposed report could also help identify annual important adjustment priorities for regional work programmes as well as informing longer-term policy adjustments

Subjects to be covered

3.4 The Air Navigation Report will consist of qualitative and quantitative information and will cover Key Performance Areas (KPAs) and Key Performance Indicators (KPIs) of Air Navigation Systems (ANS). The report will cover the following subjects:

- a) regional air navigation challenges, such as the capability to ensure a safe, sustained growth, an increased efficiency and a responsible environmental stewardship;
- b) measuring against those challenges;
- c) status of operational measures for performance improvement;
- d) implementation progress, in accordance with State operational requirements, of selected GANP priorities and ASBU Blocks. The metrics or initial dataset that includes key global air navigation priorities (PBN, CDO, CCO, AIM, ATFM, among others). This initial dataset will be focused on both Regional Performance Dashboard and the Air Navigation Report; and
- e) sharing of safety initiatives and key actions

4. Conclusion

4.1 Transparency and sharing of safety information are fundamental to a safe and efficient air transportation system. Consistent with these principles, the proposed Regional Performance Dashboard will provide a view of the implementation status of safety, air navigation, efficiency, and environmental benefits for the CAR/SAM Regions. This will help ensure that the information and data are used in a fair and consistent manner, with the objective of improving safety, efficiency.

5. Action Required

5.1 The Meeting is invited to:

- a) note the plan for an online CAR/SAM Regional Performance Dashboard (under development);
- b) consider the importance of providing the information and data sets required for the Annual Air Navigation Report; and
- b) urge States to provide the requisite data and information to ICAO Regional Offices as required