



Twentieth Meeting of the CAR/SAM Regional Planning and Implementation Group (GREPECAS/20)
 Salvador, Brazil, 16 – 18 November 2022

Agenda Item 4: Reports of the GREPECAS Contributory Bodies: Scrutiny Working Group (GTE), Latin American and Caribbean Association of Airport Pavements (ALACPA), CAR/SAM Regional Committee for Bird/Fauna Hazard Prevention (CARSAMPAF), and Analysis Working Group Data (DAWG)

SECOND MEETING OF THE GREPECAS DATA ANALYSIS WORKING GROUP (DAWG 02)

(Presented by the Secretariat)

EXECUTIVE SUMMARY	
A Summary of the progress of the Data Analysis Working Group (DAWG) is presented, in accordance with its second meeting, led by the Argentine Air Navigation Company (EANA), which will support GREPECAS for decision-making, based on data analysis. , and which is made up of a team of NACC and SAM experts with solid computational and statistical skills.	
Action:	Suggested actions are presented in Section 4.
<i>Strategic Objectives:</i>	<ul style="list-style-type: none"> • Air Navigation Capacity and Efficiency
<i>References:</i>	<ul style="list-style-type: none"> • Second DAWG Meeting (Online, 5-6 October 2022)

1. Introduction

1.1 Comprised by representatives of the CAR and SAM States, GREPECAS contributing bodies, industry and international organizations with statistical and data analysis capabilities, the DAWG is made up of expert members in Data and Information Management. GREPECAS will coordinate with the ICAO NACC and SAM Regional Offices, States, International Organizations and industry to ensure that the required support is provided to the DAWG. As a purpose the DAWG seeks the following aspects as part of its Terms of Reference and as a context:

- Definition of the problem or task
- Data Collection
- Homogenize the Data in terms of format
- Data Analysis

1.2 The ICAO Secretariat (CAR/SAM) thanks the EANA and Argentina for their valuable collaboration in this second opportunity supporting ICAO with the DAWG Rapporteurship, which was first in charge of Mrs. Sabrina Migliorino and now in substitution Mr. Claus Sebastian Hinrich.

1.3 The aviation industry generates massive data every day. Given the enormous scale of data in the civil aviation industry, the vital issue that States and GREPECAS must consider is how to manage and make use of the data and appreciate its value. Therefore, this Group represents a platform to analyze aviation data processes and airline operations in order to optimize civil aviation, including the reduction of identified risks, the optimization of operations and the services involved.

1.4 The DAWG will provide a strategic vision, direction and coordination of a Regional Data program for GREPECAS and the States, to promote the practical use of Data sources for official statistics, while finding solutions for particular challenges, and to promote the development of ANS capabilities and the exchange of experiences in this respect.

1.5 Information was provided on the progress made by the Group, such as:

Review of the progress made by the DAWG: Memorandum of Understanding (MoU);
Key Performance Indicators (KPI) oriented to Vol. III of the CAR/SAM Air Navigation Plan (ANP);
Procedure and Policies for the Control of Access to Data and Information (version 1.0 draft);
Assignment of tasks to the DAWG;
Identification of Data Sources and Points of Contact (PoC) in CAR/SAM States and International Organizations Review; Y
DAWG Work Program update

2. Discussion

2.1 Building a platform to store and analyze aviation data becomes an important task for civil aviation in the CAR/SAM regions. The edition provides independent, original and rigorous analysis in the areas of:

Advantages for GREPECAS
Significant increase in scope and coverage
Significant cost reduction
Improve accuracy, transparency and timeliness
Making the leap to more efficient technology for States without adequate statistical programs
More profitable and productive technology
High quality statistics
Reduced burden for data providers
Challenges of the GREPECAS Secretariat
Methodologies and definitions of the official statistics of the States
Perception differences
Capacity building
Cooperation

2.2 **Data** is the core of **decision-making** and the raw material for **accountability**. Without high-quality data that provides the right information about the right things at the right time; designing, monitoring and evaluating effective policies becomes difficult.

2.3 The general objectives of the DAWG were reaffirmed:

- o Support the implementation of the Global Air Navigation Plan (GANP) and GREPECAS
- o Support the management of the CAR/SAM Air Navigation Plan (ANP) Vol. III
- o Produce and maintain updated data and information on the implementation of GREPECAS ANS projects

2.4 The Group seeks to establish the Points of Contact in the States and International Organizations and identify their data sources for analysis and presentation to GREPECAS through a dashboard to be integrated. Particularly the data sources are considered as a fundamental element to be identified in consideration regarding the Data Sources:

- a) Official **State, ICAO** and **Industry** sources
- b) **ATS** information and reports from the Scrutiny Group (**GTE**)
- c) Validate received data sets for processing
- d) Submit Recommendations and/or Conclusions to GREPECAS for decision-making and actions based on data.

2.5 The Meeting also considered the assignment of various tasks to be prepared by the members of the Group, in consideration of the priorities that the Group itself determined as follows:

Main tasks of the DAWG
• review and manage data sets for statistical processes
• Satisfy the need for knowledge of topics, requirements and tasks designated by GREPECAS.
• comply with the completeness of analysis and the timeliness of the deliverable results
• review data homogeneity and formats from different sources for related analysis
• ensure the cooperation of data providers with ICAO
• Develop a Performance Dashboard for air navigation indicators.
• generate statistics for States and stakeholders
• Align the DAWG with the objectives of the GANP and the CAR/SAM Regional Air Navigation Plan (ANP).

3. **Conclusions**

3.1 The initial deliverable results of the DAWG are as follows:

Graphs and tables to the ANS regional Dashboards
Conclusions and Recommendations of the DAWG to GREPECAS or CRPP regarding their analyzes
Develop an annual report to monitor the status of the Key Performance Indicators (KPI) of the GANP to GREPECAS and associated with Vol. III of the ANP
Document and inform the CRPP of the data analysis in the form of a roadmap on how it was organized and analyzed and what results were obtained

3.2 The Group will seek to establish the Points of Contact in the States and International Organizations and identify their data sources for analysis and presentation to GREPECAS through a dashboard to be integrated.

4. **Suggested actions**

4.1 The Meeting is invited to:

- a) take note of the information contained in this Working Paper;
- b) consider the importance of the Data Analysis Working Group;
- c) CAR/SAM States are urged to provide information/data required by the DAWG; and
- d) consider other actions as necessary.