Eleventh North American, Central American and Caribbean Directors of Civil Aviation Meeting (NACC/DCA/11)
Varadero, Cuba, 28-30 June 2023

Agenda Item 4: NAM/CAR Regional Safety/Air Navigation Implementation
4.2 Air Navigation Implementation Matters

NEED TO STANDARDIZE REGIONALLY/NATIONALLY THE OBTENTION OF DATA FOR THE ASSESSMENT OF KEY PERFORMANCE INDICATORS (KPIS)

(Presented by Cuba)

EXECUTIVE SUMMARY	
This Working Paper seeks to highlight the importance of having a tool that allows regional/national standardization concerning the obtention of data for the assessment of the Key Performance Indicators (KPIs). It presents an analysis and suggested actions that will help establishing the regional and national measurement mechanisms of the CAR/SAM States.	
Action:	Suggested actions are under section 3.
Strategic Objectives:	• Strategic Objective 1 – Safety • Strategic Objective 2 – Air Navigation Capacity and Efficiency • Strategic Objective 5 – Environmental Protection
References:	• 7th edition of the Global Air Navigation Plan (GANP): https://www4.icao.int/ganpportal/ • First GREPECAS Data Analysis Working Group (DAWG/1) Meeting (DAWG/1) (On-line, 24 August 2021) • Virtual workshop for the preparation of Volume III of the CAR/SAM Air Navigation Plan (ANP) for the CAR Region (CAR/SAM/ANP-VOLIII) (On-line, 14 to 18 February 2022). • Second GREPECAS Data Analysis Working Group (DAWG/2) Meeting (DAWG/02) (On-line, 5 – 6 October 2022). • Second Meeting of Rapporteurs of the North American, Central American and Caribbean Working Group (NACC/WG/RAP/02) (NACC/WG/RAP/02) (Mexico City, Mexico, 28 to 31 March 2023).

1. **Introduction**

1.1　　　KPI are quantitative means to measure past/current/expected future performance and the current progress on achieving performance objectives. In the case of Air Navigation Services (ANS), they provide information to be reviewed by the States on the performance of the service and support decision-making for operational enhancements.

1.2　　The Second Meeting of Rapporteurs of the North American, Central American and Caribbean Working Group (NACC/WG/RAP/02) made Decision NACC/WG/RAP/02/05 - SUPPORT THE DEVELOPMENT OF THE e-ANP VOL. III, identifying the need for the Rapporteurs of the NACC/WG to work actively on this development process of e-ANP Vol. III and to that end the meeting committed to implement working teams to develop the activities of data gathering and GANP KPI management as a basis to populate data of the Planning Tables of Vol. III, assisted by the Secretariat.

2. **Development**

2.1　　Regional and national air navigation plans focus on the implementation of regional goals, national performance and the ASBU framework. It is necessary to focus on complying with the Key Performance Areas (KPAs) and the Key Performance Indicator (KPIs). It is also necessary to use the form for said Plan provided by the ICAO Regional Office, through regional working groups for the implementation of air navigation, incorporating elements of national interest.

2.2　　To obtain the KPIs, it is necessary to organize data gathering in the units of the Air Traffic Services (ATS) at all levels. In the CAR Region the levels of airport traffic are very low in general, excepting the few moments of the day where it increases, and therefore it is not interesting/necessary to collect KPI-related data for decision-making on airport capacity.

2.3　　Regardless of the paragraph above, we consider that if we wish to have a KPIs reflecting our realities, it is necessary to obtain said information, regardless of the existing airport traffic. In this sense, we consider that an effective manner to gather said data would be through a tool that ensures gathering data in the ATS at all levels.

2.4　　In order to standardize regionally KPI data gathering, we suggest developing a software (Standard Automated System) allowing data gathering from the local to the regional levels, including the national level. The regional air navigation implementation groups, supported by the GREPECAS Data Analysis Working Group, should previously develop the technical task or information gathering for the software (Standardized Regional System).

2.5　　　　This software would be a free one, and the States would be provided source codes for their national personalization. Funding would be joint through a technical cooperation project of the ICAO NACC and SAM Regional Offices. To this end, experience can be used from EANA (Argentina), COCESNA or another Air navigation services provider (ANSP) o Civil Aviation Authority (CAA) concerning automation of the KPI, or directly through a bidding.

2.6   The regional offices will prepare a Plan for development and implementation in the States of the software to obtain KPI data as soon as the tool is available, and States are trained on its use.

3.   Suggested Actions

3.1   The Meeting is invited to:

   a) analyse the information provided in this working paper;
   b) assess the actions proposed under paragraphs 2.4 a 2.6; and
   c) take any other action as appropriate.

— END —