



**Fifth GREPECAS–RASG-PA Joint Meeting (GREPECAS-RASG-PA/5) and
 Twenty-Third Meeting of the CAR/SAM Regional Planning and Implementation Group
 (GREPECAS/23)**

Virtual Phase (Asynchronous, 19 January to 17 February 2026)

In-Person Phase (Mexico City, Mexico, 4 to 6 March 2026)

Agenda Item 8: CAR/SAM Air Navigation Implementation

SAM ATFM PORTAL

(Presented by Brazil)

EXECUTIVE SUMMARY

This paper presents the proposal submitted by Brazil within Subgroup 3 (ATFM) of the SAM Airspace Planning Study Group (GESEA) concerning the development of a web-based tool aimed at the exchange of data and information with the international ATM community and at the standardization of ATFM message exchange to support the coordination of cross-border ATFM solutions among participating States. The SAM ATFM portal has already been developed and tested and is currently undergoing implementation and operational trials by States of the Region.

<p>Actions:</p>	<ul style="list-style-type: none"> a) encourage States to actively participate in the exchange of operational, planning, and performance-related data through the ATFM Portal, with a view to strengthening cross-border ATFM coordination, enhancing regional situational awareness, and improving the effectiveness of collaborative ATFM solutions in the SAM and CAR Regions; and b) Encourage States to utilize the CAR/SAM ATFM Portal in support of the Air Traffic Flow Management activities associated with the FIFA World Cup 2026.
<p><i>Strategic Objectives 2026-2050:</i></p>	<ul style="list-style-type: none"> • Every flight is safe and secure • Aviation is environmentally sustainable • Aviation delivers seamless, accessible, and reliable mobility for all • No country left behind • The International Civil Aviation Convention and Other Treaties, Laws and Regulations Address All Challenges • The Economic Development of Air Transport Assures the Delivery of Economic Prosperity and Societal Well-Being for All
<p><i>References:</i></p>	<ul style="list-style-type: none"> • Guidance for ATFM Service Implementation in the SAM Region 2021–2025; • South American Operations Plan (OPSAM) 2023; and • ICAO Doc 9971 — Air Traffic Flow Management (ATFM)

1. Introduction

1.1 On 22 June 2021, GESEA approved the creation of an ATFM Subgroup (SG3), as participants identified several regional needs related to the consolidation of a more integrated and robust ATFM service in the South America Region.

1.2 GESEA's SG3 has contributed to the delivery of some regional products, such as the SAM Operations Plan (OPSAM), the South American ATFM Operational Briefings (BRISA), and the Guidance for ATFM Service Implementation in the SAM Region 2021–2025, among others.

1.3 In 2022, SG3 approved the creation of a Cross-Border ATFM Working Group (XB WG), with the objective of standardizing and establishing tools to support ATFM coordination among States of the Region.

1.4 In this context, in May 2023, during SAM-IG/29, and with the objective of supporting the implementation of cross-border ATFM in the Region, Brazil presented the proposal to develop the SAM ATFM Portal, a web-based tool produced within GESEA and intended to serve as the foundation for South American cross-border ATFM services (NE/2.7 – SAM ATFM Portal).

1.5 In July 2023, the ICAO Lima Regional Office conducted a consultation with Member States regarding the SAM ATFM Portal initiative. In August 2023, the development of the SAM ATFM Portal was approved with the participation of interested States.

1.6 In October 2023, the SAM ATFM Portal Development Group (GADHOC ATFM SAM) was established within GESEA/SG3/ATFM Cross-Border, under the coordination of Brazil, to support the continued development of the Portal.

2. Analysis

2.1 The SAM ATFM Portal is a collaborative web-based application designed to enable interaction and information exchange among SAM States on matters related to cross-border ATFM operations.

2.2 The SAM ATFM Portal is an initiative of GESEA Subgroup 3, and its development, enhancements and maintenance are being carried out collaboratively by the States of the SAM Region, with facilitation by the ICAO SAM Regional Office (Lima).

2.3 The main objective of the Portal is to promote communication, collaboration and coordination among all relevant stakeholders through shared information, with the aim of improving the efficiency of air operations in the SAM Region airspace, through functionalities that include, but are not limited to:

- a) promoting regional ATFM integration;
- b) real-time exchange of messages between ATFM units (chat functionality);
- c) monitoring air traffic demand and declared ATC capacity;
- d) monitoring ATFM performance metrics;
- e) monitoring meteorological phenomena affecting airspace operations;
- f) monitoring events with significant impact on traffic flow;
- g) standardized production and publication of the Daily ATFM Plan;
- h) publication of ATM performance indicator results; and
- i) other related functionalities

2.4 The SAM ATFM Portal provides information of interest to the international ATM community in English, Spanish and Portuguese, enhancing accessibility and regional interoperability.

2.5 The updated implementation timeline of the SAM ATFM Portal includes the following project milestones:

- a) on-site workshop and meeting in Lima, Peru (ICAO), for training ATFM specialists on the use of Portal tools and functionalities, and planning of operational trials in May 2026; and
- b) progressive operational use of the tool by participating States through October 2026.

2.6 The SAM ATFM Portal utilizes servers provided under Project RLA/06/901, with coordination among States for its development and eventual maintenance.

2.7 Through a secure environment (user authentication with username and password), flow managers from participating States are able to exchange messages related to the application of ATFM measures. These messages are published in the external area of the Portal and stored in a database for traceability, analysis and future reference.

2.8 It should be highlighted that, given its defined data structure, the SAM ATFM Portal also functions as a historical regional database, supporting consultations, studies and analyses by all participating States.

2.9 Participating States may define the airports for which information will be made available in the SAM ATFM Portal, in a manner harmonized with OPSAM. Accordingly, data related to demand, capacity, infrastructure degradation, application of ATFM measures, relevant NOTAMs, among others, are made available to the international ATM community through the Portal.

2.10 Participating States may also provide strategic and pre-tactical (future), tactical (current), and post-operations (historical) information related to air traffic demand, declared capacities, significant events, works and infrastructure degradation at monitored airports.

2.11 The development of the tool, including its functionalities, design and related decisions, is carried out within the scope of the XB Working Group of GESEA SG3.

2.12 The Portal includes a tool description document, a general user manual, and a specific data input manual. In addition, a management manual for States is under development, enabling ATFM managers to administer users, control access and passwords, and manage monitored airports, including the inclusion or exclusion of aerodromes of interest at national or regional level.

2.13 The SAM ATFM Portal may be accessed through the web address <http://portalatfm.navisam.aero/> by users worldwide. However, for security and ATFM control reasons, and to ensure the proper functioning of the tool, certain functionalities are restricted to authenticated users.

2.14 The SAM ATFM Portal is integrated with the OPMET database, providing real-time meteorological information to airspace users, and is also connected to the ICAO NOTAM database, allowing organized presentation of NOTAM information by airport.

3. Suggested Actions

3.1 The Meeting is invited to:

- a) Encourage States to actively participate in the exchange of operational, planning, and performance-related data through the ATFM Portal, with a view to strengthening cross-border ATFM coordination, enhancing regional situational awareness, and improving the effectiveness of collaborative ATFM solutions in the SAM and CAR Regions; and
- b) encourage States to utilize the CAR/SAM ATFM Portal in support of the Air Traffic Flow Management activities associated with the FIFA World Cup 2026.

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