



Agenda Item 2: Report of activities of GESEA and Subgroups

b) ATM implementation. Progress of the Subgroups

UPDATE ON THE WORK OF THE GESEA SUBGROUP 3 (SG3 ATFM)

(Prepared by the Secretariat)

SUMMARY	
This working paper presents the status of the work carried out by Subgroup 3 (ATFM) of the Study Group for the Implementation of SAM Airspace (GESEA) with the aim of implementing and standardizing actions on influx management in the Region.	
References:	
<ul style="list-style-type: none">• Report GESEA/SG3/6;• Guide for ATFM Service implementation in the SAM Region 2021 - 2025;• Operations Plan for the SAM Region (OPSAM) 2023; and• ICAO Doc 9973 - ATFM.	
ICAO's Strategic Objectives:	To increase the capacity and improve the efficiency of the global civil aviation system through the modernisation of air navigation infrastructure and aerodromes and the development of new procedures to optimise the performance of the aviation system.

1 Background

1.1 The sixth Meeting of Subgroup 3 (SG3/6) of the SAM Airspace Study and Implementation Group (GESEA) was held on March 23 and 24, 2023 through videoconference, under the coordination of Mr. Ricardo David (Brazil).

1.2 Representatives of Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Panama, Paraguay, Peru, Uruguay and Venezuela participated in the meeting.

1.3 The matters developed (and respective conclusions) are detailed below.

2 Updates to the SG3 Task Forces

2.1 Based on the work presented by the Task Force - SAM ATFM Regional Documentation (GT DOCS ATFM) it was proposed to include a new Appendix D – ATFM Service Job Profiles for the Guide.

2.2 The ATC Sector Capacity (ATM044) and Runway System Capacity (ATM045) courses were held between April 3 and 28, organized by the Air Navigation Management Center (CGNA), in Brazil. Representatives from 10 countries were trained: Argentina, Bolivia, Chile, Colombia, Ecuador, Panama, Paraguay, Peru, Uruguay and Venezuela.

2.3 The ATM044 course aims to prepare the student for the activity of measuring the capacity of the ATC (Air Traffic Control) sector, through the collection and analysis of two data in Approach Control Centers (APP) or Area Control Centers (ACC). The ATM045 course prepares the student to measure the capacity of the runway system, from the collection and analysis of data in aerodrome control towers (TWR).

2.4 The instruction was carried out in two phases, one theoretical, through videoconference, and another practical, face-to-face. The activities took place at the facilities of the Rio de Janeiro Approach Control (APP-RJ) and at the Galeão Airport Control Tower.

2.5 The next steps of the GT DOCS include maintaining the process of monitoring the measurement and declaration of capacities in the countries of the Region, promoting and supporting it when necessary, as well as conducting a second round of the regional ATFM Survey and verifying opportunities to update the Guide and the CAP Manual (including models of Capacity Declaration, PDA and Post-Operations Report).

2.6 The DCB Monitoring Plan Task Force for the SAM Region (GT DCB Plan) presented the results of the work developed by the group since the last SG3 meeting in 2022. The Dashboard for the Summer 23 season was presented, with its new functionalities.

2.7 In the Dashboard, it was described which indicators we currently have available in the Operations Plan, as follows;

- a. Number of takeoffs and landings from major airports in the region;
- b. Runway capacity of monitored airports (GANP KPI09);
- c. Runway capacity utilization is monitored through congestion schedules; and
- d. Maximum track performance (GANP KPI10).

2.8 The Indicators' Workshop/Course to be held in Brazil, at the CGNA, between July 3 and 14, 2023, was also addressed. The instruction includes topics on ATM Performance Indicators, analysis of results based on the Brazilian experience and ATM data and information management systems and applications. The Office has already sent a letter inviting the States of the Region, with a limit of twenty students in the class for logistical reasons.

2.9 Another important event in the work programme is the second data and indicators workshop that will take place in Lima, Peru, between 18 and 22 September 2023. The working group should discuss and work on progress in the calculation of indicators in the Operations Plan, with the results already calculated and validated, develop a draft performance report to show the possibilities of the reports for those States that wish to present their data and compare the results and progress with other States.

2.10 The ATFM Crossborder Task Force (GT XB) presented the progress of the work developed by the group whose objectives are the elaboration of an ATFM XB Manual for the SAM Region, which establishes general principles and rules to optimize the provision of the ATFM Service at the Cross-Border level in the region, and the establishment of a model ATFM XB Letter of Agreement that contemplates and describes the procedures to coordinate the provision of the ATFM service between SAM States.

2.11 The rapporteur of GT XB presented the first draft of the ATFM LoA Model for the SAM Region, explaining the details of each point, including: the need to determine which unit provides the ATFM Service in each State and its hours of operation; the importance of Information Exchange; the need to consider all ATFM regulations in order to reach ATFM XB Agreements; recognition of the need to establish efficient and reliable means of communication for ATFM XB coordination; and the Role of ATFM in Contingencies.

2.12 To improve information management and support ATFM coordination in the Region, the SG3 meeting discussed a proposal submitted by Brazil for the development by GESEA of an ATFM Portal for the SAM Region, which will be the subject of a specific Study Note.

3 **SG3 working plan for 2023**

3.1 Meeting dates have been updated and the agenda for this year has been organized, removing conflicts with other meetings, As shown in **Appendix A** to this working paper.

4 **Suggested actions**

4.1 States participating in the Meeting are invited to:

- a) Take note and analyze the information provided; and
- b) approve the SG3 work plan for 2023.

APPENDIX A

Schedule 2023 for the SG3 ATFM

Activities	Dates	Objectives/Deliverables
Meeting GESEA SG3 ATFM GESEA/SG3/6	Virtual, 23 - 24 March	Continuation of scheduled studies. Monitoring of implementation activities and optimization of the ATFM service.
Runway System and ATC Sector Capacity Course ATM044 and ATM 045	<ul style="list-style-type: none"> Phase 1; virtual del 3 to 14 April; Meeting Phase 2: practice, face, Rio de Janeiro, 17 to 28 April 	Participants trained in performance-based demand and capacity monitoring of the ATC and airport sectors
GT DOCS ATFM	Virtual, 10 April	
GT XB ATFM	Virtual, 17 to 18 April	
GT PLAN DCB ATFM	Virtual, 20 April	
GT DOCS ATFM	Virtual, 8 May	
SAM/IG/29 Air navigation implementation priorities considered in GREPECAS, VOL III ANP Regional programs and Regional initiatives.	Lima, 15 al 19 de May FACE	Monitoring of the activities of Implementation and execution and optimization under the studies of GESEA. Support for the Management of the Regional Plan ANP CAR-SAM Vol. III.
GT PLAN DCB ATFM	Virtual, 5 June	
GT DOCS ATFM	Virtual, 12 June	
GT XB ATFM	Virtual, 22 a 23 June	
ATM Performance Indicators Course	Rio de Janeiro, 3 to 14 July	It will also address the methodology and application of the GANP ATM performance indicators.
GT XB ATFM	Virtual, 19 - 20 July	
GT PLAN DCB ATFM	Virtual, 31 July	
GT DOCS ATFM	Virtual, 14 August	
GT XB ATFM	Virtual, 16 - 17 August	
SG3/7 ATFM	4 - 5 September	
GT DOCS ATFM	Virtual, 11 September	
2nd Workshop/Meeting on ATFM Data Management and Regional Indicators	Lima, 18 - 22 September	Standardization of ATFM data. Analysis of demand forecasts and indicators. Power BI app for regional and country analytics.

GT PLAN DCB ATFM	Virtual, 2 de October	Virtual
Workshop/Meeting of the Working Group on ATFM Crossborder SAM (GT XB)	Lima, 9 to 13 October	Planning of the implementation of the Crossborder ATFM, according to SAM Implementation Guide, based on intra-regional scenarios. Analysis of deliverables of the GT XB.
GT DOCS ATFM	Virtual, 16 October	Virtual
SAM/IG/30 Air navigation implementation priorities considered in GREPECAS, VOL III ANP Regional programs and Regional initiatives	Lima, 23 to 27 October	Monitoring of the activities of Implementation and execution and optimization under the studies of GESEA. Support for the Management of the Regional Plan ANP CAR-SAM Vol. III.
GT DOCS ATFM	Virtual, 13 November	
GT PLAN DCB ATFM	Virtual, 27 November	
GT DOCS ATFM	Virtual, 11 December	