



Agenda Item 4: Follow-up to the implementation of Digital Datasets and preparation for SWIM (e-AIP, AIXM, TOD)

IMPLEMENTATION OF DDS IN THE SAM REGION

(Presented by the Secretariat)

SUMMARY	
This Working Paper presents the status of implementation of Digital Data Sets (DDS) in the SAM Region, their evolution, the recent advances reported by the States and the actions of the Secretariat to promote their implementation as enablers of SWIM and the future FF ICE.	
References:	
<ul style="list-style-type: none">• Annex 15 – Aeronautical Information Services• Doc 10066 – PANS-AIM• Doc 8126 – Manual AIS• Conclusions GREPECAS/19 and subsequent.• SAM/AIM Reports	
ICAO Strategic objectives:	<i>A - All flights are safe and secure</i> <i>D - No Country Left Behind</i>

1. Introduction

1.1 Digital Data Sets (DDS) constitute a fundamental element of Phase 2 (Digital) of the transition from AIS to AIM, enabling data-driven management of aeronautical information.

1.2 Since the GREPECAS/19 meeting, the need for States to implement these digital datasets has been insisted on as a key requirement to enable the System-Wide Information Management (SWIM) environment and the future implementation of FF ICE (Flight and Flow Information for a Collaborative Environment).

1.3 The Secretariat has continued monitoring the implementation of these elements through SAM/AIM meetings, Working Papers and regional monitoring mechanisms.

2. Discussion

2.1 The monitoring carried out shows that, despite regional efforts, that there has been no significant progress in the implementation of DDS in the SAM Region.

2.2 Although the importance of DDS has been reiterated in multiple meetings of GREPECAS and SAM/AIM, gaps persist in the generation of structured data, the adoption of digital models (AIXM), the interoperability of information and the availability of *datasets* for users and ATM systems.

2.3 The Secretariat has noted that some States have made progress in the process, and others have reported initiatives and projects under development, including:

- ✓ **Bolivia:** progress in the preparation of the project to start the processes of digitization and planning of AIM data;
- ✓ **Chile:** development of technological solutions for data management and digital platforms requesting support from other States for the preparation of the document for the call for tenders for the acquisition of software;
- ✓ **Peru:** reactivation of projects linked to the generation of structured data;
- ✓ **Uruguay:** work on databases and preparation of systems for digital information processing with the support of other States and preparation of a project for a call for tenders for the acquisition of equipment.

These developments are still evolving and do not yet reflect full implementation of DDS at the operational level.

2.4 In 2025, the Secretariat held a regional virtual meeting to monitor the AIS/AIM transition, in which States presented their status of implementation. The meeting confirmed that the implementation of Phase 2 continues to be one of the main regional challenges

2.5 The Meeting should remember that DDS are essential for the implementation of SWIM, the automated exchange of aeronautical information, support for data-driven operations, and the future implementation of FF ICE. Without the availability of standardized DDS, the evolution towards a modern, interoperable ATM system is significantly limited

2.6 In order to promote the implementation of the DDS, the Secretariat is working on an action plan, which aims to promote the implementation of the DDS, first, through the identification of priorities and minimum elements required, in addition to a promotion of technical cooperation between States, in order to align implementation with SWIM programs in order to build an effective transition to the AIM digital environment.

2.7 The detailed status of implementation of the digital data elements related to TOD is presented in **Appendix A**, while the monitoring of implementation to DDS is presented in **Appendix B**. These tables have been prepared based on the information reported by the States and the continuous monitoring carried out by the Secretariat.

2.8 The Secretariat notes that the implementation of Digital Data Sets (DDS) continues to be a significant challenge in the SAM Region because of limited and heterogeneous progress among States. It is important to mention again that DDS are fundamental requirements for the implementation of SWIM and FF ICE.

2.9 The Meeting should recognize the need to accelerate its implementation through regionally coordinated actions.

3. Action Required

3.1. The Meeting is invited to:

- a) to take note of the information presented in this Working Paper;
- b) urge States to prioritize the implementation of the DDS;
- c) update national information in Appendix A; y
- d) consider additional actions to accelerate the transition to digital AIM