



Agenda

Item 3:

Report of activities and deliverables of the Interop TF and Subgroups

ACTIVITIES EXECUTED BY THE MET/IWXXM SUBGROUP

(Presented by the Secretariat)

SUMMARY	
This working paper presents the activities carried out by the MET/IWXXM Subgroup of the Interoperability Task Force (Interop TF), since the last Meeting of the SAM Region Implementation Group (SAM/IG) to date.	
References	
- Final Report of SAM/IG/26 Meeting (Virtual, 20 to 23 September 2021); and - Summary of Discussions of the INTEROP TF/3 Meeting (Virtual, 14 to 17 March 2022).	
ICAO Strategic Objectives:	<i>A – Safety</i> <i>B – Air Navigation Capacity y Efficiency</i> <i>ASBU: AMET-B0/4 (IWXXM), ASUR-B0/1 (ADS-B), ASUR-B1/1 (SB ADS-B), COMI-B0/7 (AMHS) y FICE-B0/1 (AIDC)</i>

1. INTRODUCTION

1.1 The SAM Region Implementation Group (SAM/IG) has formed the Interoperability Task Force (Interop TF) to support and promote air navigation services modernization initiatives and ensure interoperability between automated systems used by AIM, ATM, ATFM, CNS and MET users, with a view to:

- a) facilitate the exchange of information between the systems implemented by the States, reducing the time and problems of interconnection between the systems;
- b) promote a coordinated and homogeneous transition to the new services and elements indicated in the GANP; and
- c) encourage the multidisciplinary participation of air navigation services professionals in support of the SAM Region Implementation Group (SAM/IG) for the planning and execution of the interconnection works of the systems implemented in the South American Region.

1.2 The MET/IWXXM Subgroup was formed for the purpose of testing and exchanging OPMET messages in the new IWXXM format.

2. ANALYSIS

2.1 MET/IWXXM SUBGROUP

Tests carried out with the OPMET Regional Data Bank (RODB) of Brasilia

2.1.1 The following States have already conducted tests with the Regional OPMET Data Bank (RODB) of Brasilia: Argentina, Cuba, Guyana and Venezuela. In addition, complete and successful tests have already been carried out between the RODB of Brasilia with the RODB of Brussels and Vienna.

2.1.2 The reference for the implementation of the new IWXXM format is the document *Guidelines for the Implementation of OPMET Data Exchange Using IWXXM – Fourth Edition*.

2.1.3 To facilitate understanding, an (unofficial) version in Spanish was prepared by the South American Regional Office and can be accessed through the link below:

https://www.icao.int/SAM/Documents/2022-RLA06901-GTINTEROP3/5.%20Guia%20Implem%20IWXXM_nov2020.pdf

Web Service of the Brasilia RODB

2.1.4 A letter from the SAM Regional Office was sent, communicating the guidelines for the exchange of information via web service, together with the Interface Control Document (SICD) of the system implemented in Brasilia.

2.1.5 States interested in implementing the exchange of information with the RODB of Brasilia, via web service, must request, through the SAM Regional Office, the registration of user and password to obtain the token.

2.1.6 During the INTEROP TF/3 Meeting, a representative of the company that developed the Brazilian system (Atech), made a presentation with the aim of encouraging the States of the CAR/SAM Region to develop integration with the web service of the OPMET Regional Data Bank of Brasilia.

2.1.7 On the occasion, she informed that there is a possibility, which is being discussed with DECEA, for the development of an application example to teach how to use the web service of the RODB of Brasilia. The application example would allow the use of temporary users for testing, explain the necessary configurations, create scenarios for using the web service for the search and insertion of meteorological messages and all documentation, scripts and source code would be available to interested parties.

3. SUGGESTED ACTION

3.1 The Meeting is invited to:

- a) Take note of the activities carried out in the Subgroup MET/IWXXM; and
- b) Analyze other considerations that the Meeting deems pertinent.