



Agenda Item 4: Assessment of Operational Requirements to Determine the Implementation of Improvements in Communications, Navigation and Surveillance (CNS) Capabilities for Operations in Route and Terminal Area

STATUS OF AMHS INTERCONNECTIONS OF BRAZIL

(Presented by Brazil)

SUMMARY	
This paper presents information on the status of the interconnections of the AMHS system in Brazil with other AMHS Centers.	
References: <ul style="list-style-type: none">• SAM/IG/22 Final Report• Bogota Declaration	
ICAO Strategic Objectives:	<i>A - Operational safety B - Capacity and efficiency of air navigation C - Aviation Security and Facilitation D - Economic development of air transport E-Protection of the environment.</i>

1. Background

1.1 The implementation of AMHS systems in the SAM Region is one of the objectives established by the RLA/06/901 Project and the States have worked in attaining the goals for the implementation of AMHS systems, as well as for the activation of the interconnections between said systems.

1.2 The establishment of AMHS interconnections between the Communication Centers, according to the Declaration of Bogotá, has been a priority for the Brazilian administration.

2. Discussion

2.1. The CNS 1B table of the FASID considers that Brazil must establish the following AMHS interconnections in the SAM Region:

- Argentina;
- Bolivia;
- Colombia;
- Guyana;
- French Guyana;
- Paraguay;

- Perú;
- Surinam;
- Uruguay; and
- Venezuela;

2.2. The following AMHS interconnections are already in operation, representing 70% of the total expected:

- Argentina;
- Colombia;
- Guyana;
- Perú;
- Surinam;
- Venezuela; and
- Paraguay.

2.3. To date, the situation of the 3 pending interconnections is as follows:

- Uruguay: The tests concluded on 08/29/2017. Made the POT on the 01 and 08 set 2017, with satisfactory results. Reported by the representative of Montevideo, difficulty in the internal routing of the AFTN addresses of SUMU.
- Bolivia: On 28.08.2018 connection X400 P1 was established, for testing purposes. To wait for the most suitable date for the execution of the IOT tests.
- French Guiana: successful IOT and POT tests during the period from 08 to April 11, 2019. Waiting for authorization from the French Government for definitive operational migration.

2.4. Since August, 18, 2018 the AMHS / AFTN connection is in operation with the SITA Gateway in Atlanta, which enables the segmented processing of the ATS messages of SITA users.

2.5. Since October, 25, 2018 the AMHS interconnection with Spain is available, through the CAFSAT network, of great importance for the flow of ATS messages between the SAM and EUR Regions. However, this interconnection is not fully activated, due to problems found in some AFTN messages originated from States of the SAM Region, which are in analysis and execution of corrective actions.

2.6. Likewise, on February 21, 2019, the IOT tests with FAA will begin. To date 75% of the tests were successfully completed. The estimate is that in May 2019 such interconnection will be operative.

3. **Actions suggested**

3.1 The Meeting is invited to:

- a) Take note of the information provided; and
- b) consider other aspects deemed needed.
