



**Agenda Item 5:**

**integration of**

**Operational implementation of new ATM automated systems and the existing systems.**

**STATUS OF THE AMHS INTERCONNECTIONS IN BRAZIL**

(Presented by Brazil)

<b>SUMMARY</b>	
This working paper presents information about the state of the interconnections of the AMHS system in Brazil with the others AMHS Centers.	
<b>References</b>	
<ul style="list-style-type: none"><li>• SAM/IG/23 Final Report;</li><li>• Bogota Declaration.</li></ul>	
<b>ICAO Strategic Objectives:</b>	<i>A - Operational safety</i> <i>B - Capacity and efficiency of air navigation</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 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;
- Peru;
- Suriname;

- Uruguay; and
- Venezuela.

2.2 The following AMHS interconnections are already in operation, representing 80% of the total expected:

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

2.3 At this moment, the situation of the two pending interconnections is as follows:

- Uruguay: The tests concluded on 08/29/2017. Made the POT on the 1 and 8 September 2017, with satisfactory results. Reported by the representative of Montevideo, difficulty in the internal routing of the AFTN addresses of SUMU;
- French Guiana: successful IOT and POT tests during the period from april 08 to 11, 2019. Waiting for authorization from the French Government for definitive operational migration.

2.4 Since 08/18/2018, the AMHS/AFTN connection is in operation with the SITA Gateway in Atlanta, which enables the processing of the ATS messages of SITA users.

2.5 Since 10/25/2018, 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 In addition, after the IOT tests started earlier this year with the FAA, today this interconnection has been operational since June 2019.

### **3. Actions Suggested**

3.1 The Meeting is invited to:

- a) Take note of the information provided; and
- b) consider that the States involved analyze and endeavor for the activation of AMHS interconnections with Brazil.