



**Agenda Item 4: Report of activities and deliverables of the GT – Interop and Subgroups**

**BRAZIL AMHS UPDATE**

(Prepared by Brazil)

**SUMMARY**

This information paper presents the progress made by Brazil in the establishment of AMHS connections and the most recent initiatives for operational improvement in the handling of ATS messages.

**References**

- Final Report of the SAM/IG/30 Meeting (Lima, October 23 to 27, 2023)
- Workshop/Meeting of AMHS COM Center Supervisors/Operators of the SAM Region

**1. INTRODUCTION**

1.1 Currently, Brazil has connections direct via AMHS with 13 countries: Argentina, Bolivia, Colombia, United States, Spain, Guyana, French Guiana, Paraguay, Peru, Senegal, Suriname, Uruguay, and Venezuela. In addition, the COM Center of Brasilia also connects directly with SITA.

1.2 In this context, DECEA works constantly to improve the operability of the Brasilia COM Center in the face of new and continuous challenges to maintain a fast and reliable flow of ATS messages.

**2. DISCUSSION**

2.1 On 14 February 2023, the AMHS connection with Uruguay was established, after carrying out all the required interoperability tests, culminating in an important advance for the SAM region. Today, Brazil has AMHS connections with all the States that border the country in South America.

2.2 Still in February 2023, negotiations were carried out to migrate the AMHS connection with the Madrid COM Center, from the CAFSAT network to the REDDIG. The migration was carried out on 28 February, providing a considerable increase in available bandwidth and greater connection stability and service availability. The CAFSAT network is maintained as a secondary network, in case of contingencies.

2.3 Brazil opted for not advancing in the negotiations of direct AMHS connection with the COM Center of Lisbon, extra-plan, understanding that the current connection via REDDIG provides a reliable scenario for the processing of messages in the EUR/NAT and MID regions, via the COM from Madrid.

2.4 In March 2024, the AMHS Brasilia COM Center updated its Contingency Plan, which provides system supervisors with unequivocal guidance in cases of loss of connection with COM Centers in other States, according to the routing table and other relevant information available on the EUROCONTROL ATS Message Center (AMC) website.

2.5 The modernization of the hardware and software used in the Brasilia COM Center is planned for 2027. This evolution aims to correct restrictions in the current system, increase information security, increase efficiency in the processing of aeronautical messages and allow the issuance of reports and greater agility in traffic analysis and decision making by supervisors and operators.

### **3. ACTION SUGGESTED**

3.1 The Meeting is invited to:

- a) take note of the information provided in this document.

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