



Agenda Item 3: Report on activities and deliverables of the Interop Working Group and subgroups

BRAZILIAN UPDATE ON BRAZIL'S ATS MESSAGE HANDLING SYSTEM (AMHS)

(Prepared by Brazil)

SUMMARY

This information paper presents the progress achieved by Brazil in establishing AMHS connections and AMHS traffic statistics from Aeronautical Message Handling Center - Brasília (CTMA-BR), as well as the most recent initiatives aimed at improving the operational efficiency of ATS message traffic.

References:

Thirty-Fourth Meeting of the Coordination Committee (RCC/34)

1. Background

1.1 Brazil currently maintains direct AMHS connections with 13 countries: Argentina, Bolivia, Colombia, France (French Guiana), Guyana, Paraguay, Peru, Senegal, Spain, Suriname, the United States, Uruguay, and Venezuela. In addition, the Brasília COM Centre maintains a direct connection with SITA.

2. Analysis

2.1 Within the framework of AMHS connectivity, discussions between Brazil, representatives of other States, and ICAO were initiated to establish a direct AMHS connection between Brazil and Panama through the REDDIG network. Interoperability testing was conducted in July of this year. The new connection is expected to improve the efficiency of ATS message exchange and will increase the availability of message routing options.

2.2 Recently, DECEA launched a project to modernize the hardware and software supporting the Aeronautical Message Handling Center – Brasília (CTMA-BR), with completion scheduled for 2028. This modernization initiative aims to overcome limitations of the current system, enhance information security, improve the efficiency of aeronautical

message processing, and provide advanced reporting capabilities, enabling faster traffic analysis and more effective decision-making by supervisors and operators.

AMHS Traffic Statistics

2.3 The volume of messages handled by CTMA-BR between June 2025 and July 2026 is presented in the figure below. An upward trend in the total number of messages handled over the coming years can be observed.

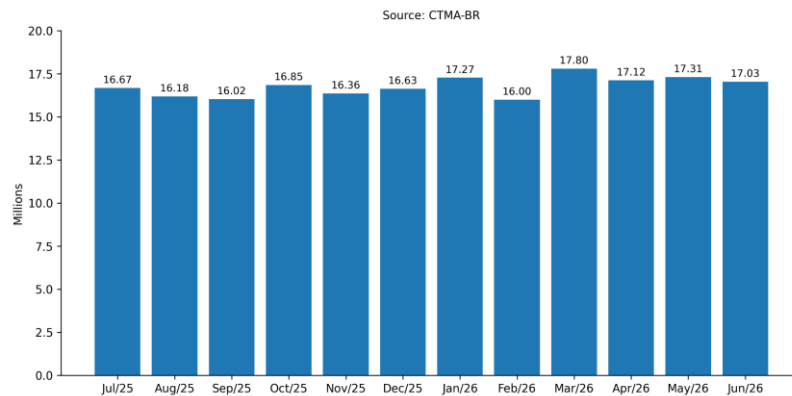


Figure 1 - AMHS Traffic Volume Distribution

2.4 Using March 2026 as a reference, a more detailed analysis of AMHS traffic shows that, out of the 17.8 million messages processed, 8.9 million were delivered locally, i.e. addressed to recipients within Brazil. A further 2.3 million messages were transferred to other States, while 6.6 million messages were received by Brazilian AMHS users. During March, the average daily traffic reached 574,253 messages, with a peak of 650,418 messages recorded on 26 March.

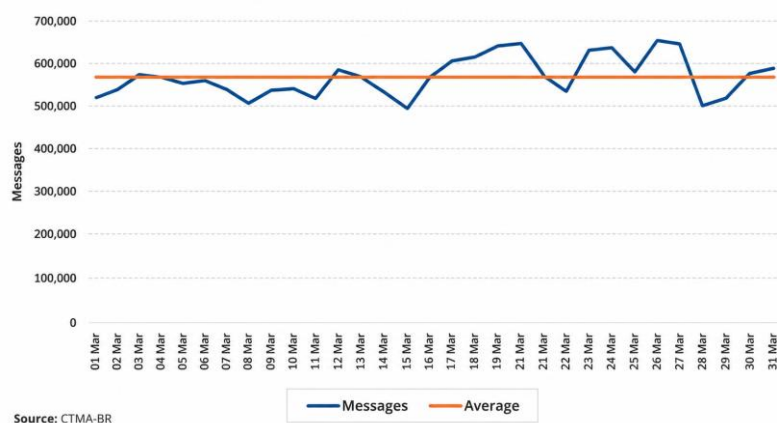


Figure 2 - AMHS Message Volume Distribution – March 2026

2.5 With regard to international AMHS traffic, the highest volume of direct messages is exchanged between CTMA-BR and Madrid, Spain, followed by CTMA-BR and Atlanta, United States.

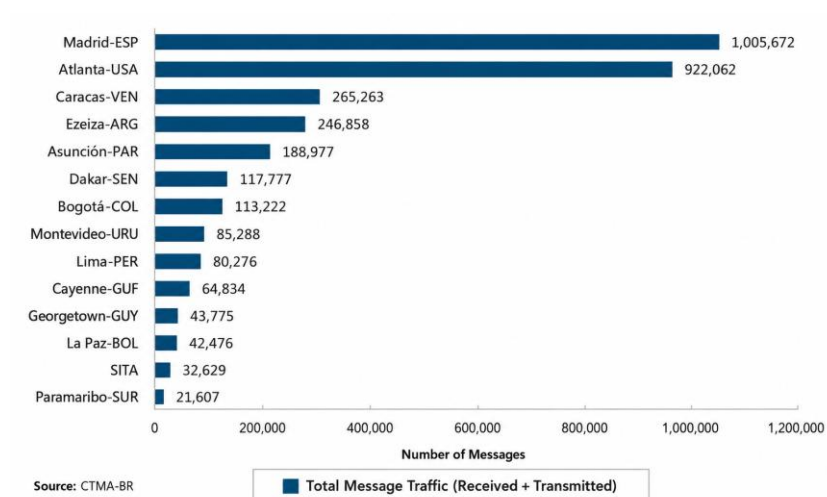


Figure 3 - AMHS/CTMA BR International Traffic Statistics

3. Suggested actions

3.1 The meeting is invited to:

- a) take note the information presented in this paper.

END