



- 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**

**AMHS INTERCONNECTIONS OF THE BRASILIA CENTRE**

(Presented by or Brazil)

<b>SUMMARY</b>	
This Working Paper presents the current status of AMHS implementation in Brazil, the status of development of the interconnections in the SAM Region and proposes measures to complete pending interconnections.	
<b>References:</b>	
<ul style="list-style-type: none"> <li>- GREPECAS/15 Meeting report</li> <li>- Guide for the operative interconnection of AMHS systems in the SAM Region</li> <li>- EUR Doc 020 EUR AMHS Manual</li> </ul>	
<b>ICAO Strategic objectives:</b>	<ul style="list-style-type: none"> <li>A - Safety</li> <li>B - Air navigation capacity and efficiency</li> </ul>

**1. Introduction**

1.1. At the end of August 2016, the Brazilian Administration completed the modernization of its Aeronautical Messages Treatment Center of Brasilia (CTMA-BR), which will be the only messenger treatment center in Brazil. As a result, the Aeronautical Messages Treatment of Manaus was suspended for international communications in September.

**2. Analysis**

2.1. The new MTA of the CTMA-BR was implemented in four servers (*nodes*) architecture in *cluster* allowing high availability and performance for the AMHS 2 System (MTA-SBBR-1). Likewise, as a component of the CTMA-BR, there is a specific server for the interconnection tests (*test platform*). **Appendix A** to this Working Paper presents the configuration of the CTMA-BR and its AMHS interconnection with the international centers.

2.2. The Brasilia Centre works 24 hours, seven days of the week, with personnel El Centro con personal fluent in Spanish and English languages. The CTMA-BR chief also is fluent in French language. Contact information of the CTMA-BR:

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2.3. By the moment the AMHS interconnection is only operative in the CTMA-BR with Lima. Arrangements with Administrations of Argentina (Ezeiza), Colombia (Bogota), Paraguay (Asunción) and Venezuela (Caracas) have being initiated. Further coordination are required.

2.4. Coordination with remaining interconnections is pending. With the purpose of meeting the dates stipulated in de Declaration of Bogota, the Administration of Brazil invite the involved administrations to schedule interconnections tests.

2.5. In addition to the interconnections in SAM Region, Brazil has a pre-operative interconnection with Spain (Madrid), and has initiate coordination with United States (Atlanta) and SITA.

2.6. Since the list of pending interconnections is long, Brazil proposes to prepare a tentative schedule during SAM/IG/18 Meeting, according to Appendix B to this Working Paper.

**3. Sugested actions**

3.1 The Meeting is invited to:

- a) Take note on the information presented in this working paper; and
- b) Prepare the tentative schedule proposed in Appendix B.

Brasilia AMHS Centre



