



- 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 SITA AMHS GATEWAY INTERCONNECTIONS

(Presented by SITA)

### SUMMARY

This Information Paper aims to inform the SAM/IG/21 on the progress made in SITA AMHS Gateway inter-connections.

#### 1. Introduction

1.1 This Information Paper aims to inform the SAM/IG/21 on the progress made on SITA AMHS Gateway inter-connections and preparations for continuation of migration to AMHS in closed coordination with the AMHS Gateway COM Centres, regional ICAO offices and AMC.

#### 2. Discussion

The progress status at the time of writing this Information Paper on 2<sup>nd</sup> of May 2018 is as follows:

2.1 SITA exchanges with all ICAO EUR region countries are through AMHS active connections with Germany and Switzerland since 2016. Messages between EUR region AFS and SITA users flow successfully.

2.2 SITA transition to AMHS within APAC region with WSSS and VTBB has been completed on AIRAC Day 14 September 2017 with full cooperation of WSSS, VTBB and AMC. Messages between APAC region AFS and SITA users flow successfully.

2.3 AMHS IOT and POT are successfully completed with South Africa. Considering the limited number of user addresses and mostly AFTN connections in place and connected to South Africa we agreed to move to operational stage with South Africa and coordinating with other ICAO AFI region states where there is SITA user addresses to route to South Africa for exchanges with SITA users. Transition preparations completed with active coordination by South Africa COM Center and AMC. We have transitioned SITA-FAOR AMHS on 09APR 2018 with all AFI region nationality codes except FH and FJ which go via LSSS to EGGG.

2.4 The POT with Jordan and Lebanon are completed and coordination with the ANSPs within MID region has started. To prepare for transition Jordan is actively communicating with other ANSPs in the region for validation and appropriate set up. A SITA Working Paper was submitted to ICAO MID region and after discussions during the last ICAO MID region SG/8 meeting held in Cairo

from 26 to 28 February 2018 an action plan is agreed with the objective to complete the transition to AMHS during June AIRAC cycle.

2.5 The POT with Brazil (SBBR) is successfully completed. However, preparation for transition to AMHS was pending Argentina proper processing of XF addresses and readiness to restart the AMHS tests. Argentina informed us that necessary updates to process XF addresses have been completed and IOT is in progress. Considering the small number of SITA users within SAM region a proposal is to initiate transition to AMHS within ICAO SAM region with Brazil only and make routing updates when the AMHS IOT and POT are completed and connection with Argentina is ready for transition. The current proposed transition date as it appears in SAM region confcall minutes of 24th of January is during the 1st semester of 2018 more likely in June. This perspective also helps the activation of Brazil AMHS connection with Spain.

2.6 Network connectivity is established with FAA for AMHS testing and IOT is under work.

2.7 The involvement and actions taken by AMC are key in coordination with ANSPs in every ICAO region for the necessary addressing and routing alignments, advice to COM Centres impacted and supervision during every regional migration.

2.8 To assist transition planning information with implementation of AMHS SITA Gateway on the AFS Network a document is prepared by AMC and ICAO EUR region AFSG-Operations Group to provide guidance and AMC support to the COM centres to enable smooth integration of SITA Gateway. This document is communicated during the ICAO SAM IG/19 meeting.

2.9 SITA is keen to work closely with the AMHS gateway COM Centres, ICAO regional offices and AMC to coordinate the migration to AMHS initially with the flows related to the AMHS Gateway COM Center and progressively for the other underlying COM Centres through the AMHS gateway COM Centres following the defined interconnection topologies.

### **3. Action by the Meeting**

3.1 The SAM/IG/21 is invited to note the contents of this Information Paper and provide comment as appropriate.

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