



ICAO

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Eleventh Meeting of the Aeronautical Communication Services Implementation Coordination Group (ACSICG/11)

Bangkok, Thailand, 19 - 22 March 2024

Agenda Item 6: Review and update the AMHS/ATN/AIDC Implementation Status
6.1 AMHS implementation Status

ATN/AMHS IMPLEMENTATION STATUS OF CHINA

(Presented by China)

SUMMARY

This paper presents information about the ATN/AMHS implementation status and plan of China.

1. INTRODUCTION

1.1 China completed the AMHS system implementation in 2008 at Beijing node. In 2017 Beijing AMHS system completed upgrade for support IP suit protocol and hardware; also, Guangzhou completed the AMHS system implementation that is backup for Beijing AMHS system.

1.2 China completed upgrade AMHS system in 2020 for support IWXXM format.

2. DISCUSSION

2.1 China AMHS system has connected to other BBIS or BIS states/administrations as follow:

- ♦ Republic of Korea put into operation in 2010, protocol X.25 and transition to IP in Q4 2022 by CRV.
- ♦ India put into operation on 27th June 2016, protocol X.25 and transition to IP in Q2 2023 by CRV.
- ♦ Hong Kong China put into operation on 13th December 2018, protocol X.25 and transition to IP in April 2021 by CRV.
- ♦ Thailand put into operation on 26th April 2018 protocol IP and plan to transition to CRV in April 2024.
- ♦ Japan put into operation in 2021 protocol IP by CRV.

2.2 China has completed Inter-Operability Test (IOT) with Macao in 2009.

2.3 China has performed Inter-Operability Test (IOT) and Pre-Operational Test (POT) with Mongolia, plans to put into operation in 2024.

2.4 With Russia and Nepal plan to conduct IOT in 2024.

2.5 The AFTN circuit from China (Beijing) to Pakistan (Karachi) had 1030 hours

interruptions in 2023, of which 917 hours were caused by issues with the circuit provider. To solve this problem, we have upgraded the circuit from SDH to IPLC in March 2024. After adopting the new circuit, the link quality has been significantly improved and the traffic availability is better than the same period in 2023. Pakistan has completed the implementation of CRV, and we are planning to start AMHS IOT over CRV. China hopes to complete the AMHS test with Pakistan in the third quarter of 2024 and cutover in the end of 2024.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) discuss any relevant matter as appropriate.
