

International Civil Aviation Organization

ICAO

**Eighth Meeting of Aeronautical Communication Service
Implementation Co-ordination Group of APANPIRG
(ACSICG/8)**

Video Tele-Conference, 21 – 23 June 2021

- Agenda Item 5:** Review and update the AMHS/ATN Implementation Status
5.1 Update status of AMHS implementation

ATN/AMHS/CRV IMPLEMENTATION STATUS IN INDIA

(Presented by Airports Authority of India)

SUMMARY

This paper presents a summary of current state of ATN/AMHS/CRV implementation in India and urges BBIS and BIS states to resolve the bilateral issues on priority basis for effective use of the AMHS/CRV network and the resources invested in by the states.

1. INTRODUCTION

1.1 This paper presents the current status of ATN/AMHS/CRV implementation in India with BIS and BBIS states.

2. DISCUSSION

2.1 In line with ICAO Asia/Pac Regional ATN/AMHS implementation plan, the AMHS connectivity is successfully implemented between Mumbai and three BBIS (viz. Singapore, Bangkok and Beijing) and with five BIS (viz. Karachi, Colombo, Dhaka, Kathmandu and Paro (Bhutan).

2.2 Bottlenecks or Difficulties in AMHS implementation with pending states:

2.2.1 AMHS connectivity trials over VPN were carried out between Mumbai and Nairobi (Kenya) in Sept./Nov-2020 but without success due to compatibility issues with different AMHS.

2.2.3 AMHS test trials between Mumbai and Muscat were planned in July-2020 but were postponed due to technical issues at Muscat end. AMHS connectivity trials between Mumbai and Muscat (Oman) are commenced and presently in progress.

2.3 CRV implementation plan with BBIS and BIS states

India is one of the pioneers in ICAO APAC's CRV Implementation. India is committed to join the CRV and is in coordination with service provider M/s PCCW Global for finalizing the modalities for signing of MOU and for CRV installation, test trials at Mumbai, India. The implementation task has been slightly delayed in arriving at an agreeable term with M/s PCCW Global's proposed tax regime and prevailing Covid-19 pandemic in India. The proposed CRV implementation plan with different states is as follows:

Agenda Item 5.1

21 – 23/06/21

| S.No | BBIS / BIS | Present connectivity speed | Proposed connectivity over CRV | Features to be used over CRV | Proposed CRV migration date |
|------|------------------|----------------------------|--|------------------------------|-----------------------------|
| 1 | Singapore (BBIS) | 64 kbps | As decided by AAI based on requirement i.e. 1Mbps or 2Mbps | AMHS | Q4/2021 |
| 2 | Bangkok (BBIS) | 64 kbps | -do- | AMHS | Q1/2022 |
| 3 | Beijing (BBIS) | 64 kbps | -do- | AMHS | Q4/2021 |
| 4 | Colombo | 64 kbps | -do- | AMHS | Q1/2022 |
| 5 | Kathmandu | 64 kbps | -do- | AMHS | Q1/2022 |
| 6 | Karachi | 64 kbps + 128 kbps | -do- | AMHS/AI DC/ VOICE | 2022 |
| 7 | Dhaka | 64 kbps | -do- | AMHS | 2022 |
| 8 | Paro (Bhutan) | Broadband/V PN | -do- | AMHS | Q4/2021 |
| 9 | Muscat (Oman) | 64 kbps | -do- | AMHS/AI DC/ VOICE | 2022 |
| 10 | Nairobi (Kenya) | Broadband/V PN | -do- | AMHS | 2022 |
| 11 | Yangon (Myanmar) | 2 MBPS E1 | -do- | VOICE/ ADS-B | 2022 |

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
