



ICAO

*International Civil Aviation Organization***THE FIFTEENTH MEETING OF THE COMMON
AERONAUTICAL VIRTUAL PRIVATE
NETWORK OPERATIONS GROUP (CRV OG/15)***Mumbai, India, 15-19 June 2026***Agenda Item 9: States/Administration CRV Implementation****IMPLEMENTATION STATUS OF CRV NETWORK IN INDIA**

(Presented by India)

SUMMARY

This paper provides information on implementation and CRV Network in India.

1. INTRODUCTION

1.1 India currently operates a legacy AMHS system located in Mumbai, which is linked with various BBIS and BIS States across the APAC and other regions to support the exchange of AFTN/AMHS data and voice services.

1.2 A new Pan-India AMHS serving as a single centralized platform has been installed for the replacement of legacy AMHS system. The new AMHS system has its Data Centre (DC) at Mumbai and a fully identical Disaster Recovery (DR) site at New Delhi.

1.3 Presently, India executed a service contract with PCCW Global on 15 March 2022 for the provision of CRV services under Package-B+ with an initial bandwidth of 1 Mbps. The services were operationalized at Mumbai with effect from 16 December, 2022 onwards. Subsequently, the bandwidth was upgraded to 2 Mbps under Package-B+ w.e.f 07 May, 2025 to facilitate additional data and voice circuits on the CRV network. At present, seven international AMHS data circuits and nine speech circuits have been migrated onto the CRV network as mentioned in Para 2.1 below.

1.4 India had also hired second CRV node at New Delhi for AMHS DR site in Package C using 2 Mbps Bandwidth for facilitating seamless failover between new Data Centre (DC) at Mumbai and Disaster Recovery (DR) site at New Delhi during contingency. The delivery of this second CRV Circuits at Delhi DR AMHS site has been completed in May, 2026. This second CRV node at Delhi will serve as a backup CRV path in the event of unavailability of the AMHS DC operation or the primary CRV path at Mumbai.

2. DISCUSSION

2.1 Presently, the CRV services in India has been established with following states in APAC region for replacing International Private Leased Circuit (IPLC) circuits and current status of migration on CRV Network are as follows:

Sr. No	CRV Circuits with States	Bandwidth Configured	Services		Implemented On
1	Mumbai -Bangkok	64Kbps	AMHS		Q1 of 2023
2	Mumbai-Paro	64Kbps	AMHS		
3	Mumbai-Singapore	64Kbps	AMHS		
4	Mumbai-Kathmandu	64Kbps	AMHS		
5	Mumbai-Beijing	64Kbps	AMHS		Q2 of 2023
6	Mumbai-Karachi	64Kbps	AMHS		Q4 of 2023
		112Kbps		Voice	
7	Chennai-Kualalumpur*	112Kbps		Voice	Q4 of 2023
8	Ahmedabad-Karachi*	112Kbps		Voice	Q4 of 2023
9	Delhi-Karachi*	112Kbps		Voice	Q4 of 2023
10	Delhi-Lahore*	112Kbps		Voice	Q1 of 2024
11	Mumbai-Colombo	64Kbps	AMHS		Q2 of 2024
12	Amritsar-Lahore*	112Kbps		Voice	Q1 of 2025
13	Kolkata-Yangoon*	112Kbps		Voice	Q3 of 2025
14	Chennai -Yangoon*	112Kbps		Voice	Q3 of 2025
15	Chennai-Jakarta*	112Kbps		Voice	Q2 of 2026
	Total Occupied BW	1456Kbps			

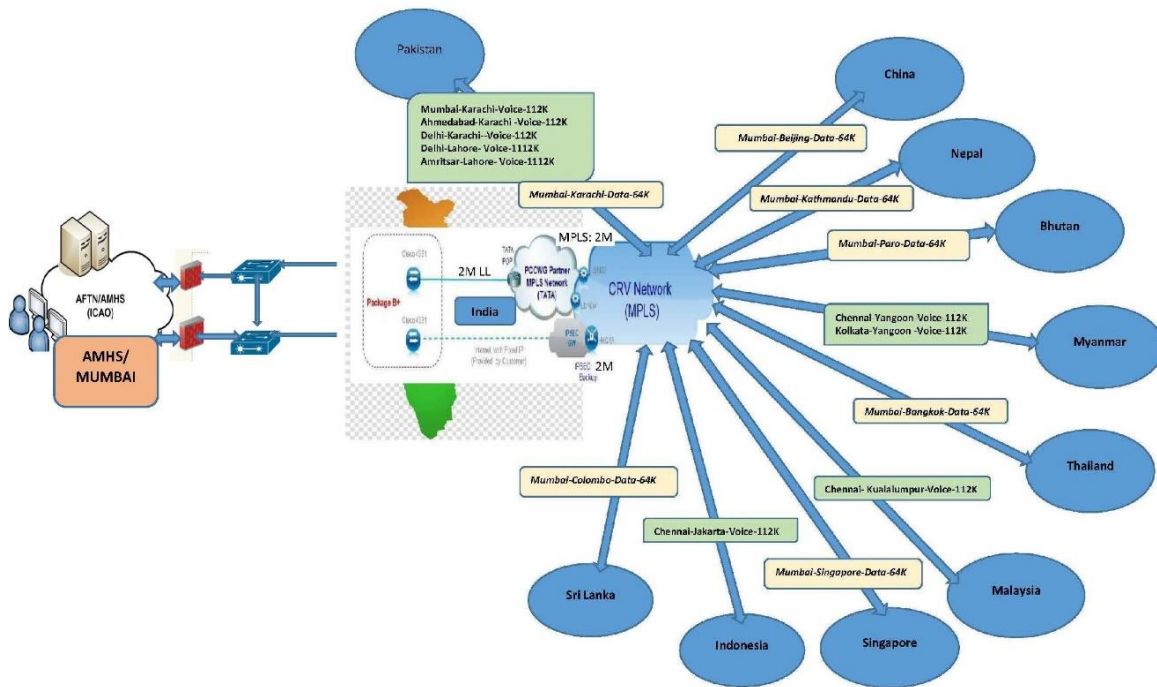
Note*: Voice circuits from Ahmedabad, Amritsar, Delhi, Chennai & Kolkata are being routed to Mumbai through AAI's Internal FTI (Futuristic Telecommunications Infrastructure) Network for onward connection to respective states through CRV Network.

2.2 The performance of CRV Network has been observed quite satisfactory as on date.

2.3 Following circuits shall be migrated on CRV network as and when counter state is ready with CRV connection at their state:

Sr. No	CRV Network with States	Bandwidth	Services		Rem
1	Chennai-Colombo	112Kbps		Voice	.Coordination with Colombo is in progress
2	Chennai-Male	112Kbps		Voice	These links shall be implemented on CRV Network once the counter part states are ready
3	Mumbai-Muscat	64Kbps	AMHS		
4	Mumbai-Muscat	112Kbps		Voice	

5	Mumbai-Dhaka	64Kbps	AMHS		
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CRV Network Diagram, India

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- note the information contained in this paper;
- urge Dhaka & Male having AMHS/AFTN/Voice connectivity with India to migrate on CRV network at the earliest.
- MID region states, particularly Oman, may be urged to join the CRV network so as to have Inter-Regional CRV connectivity with India.
- discuss any relevant matter as appropriate
