International Civil Aviation Organization

ICAO

Ninth Meeting of the Common aeRonautical Virtual Private Network Operations Group (CRV OG/9)

Video Teleconference, 25 – 27 January 2022

Agenda Item 7:   States CRV Implementation and operations experience sharing

CURRENT STATUS OF CRV IMPLEMENTATION IN INDIA

(Presented by Airports Authority of India (AAI))

SUMMARY

This paper provides information on the latest progress of CRV implementation in India.

1.   INTRODUCTION

1.1   India being one of the Pioneer States is committed for implementation of CRV in Asia/Pacific region at the earliest. This paper presents the progress made by India for implementation of CRV.

2.   DISCUSSION

2.1   Presently India is having an AMHS system at Mumbai connected to various BBIS and BIS states for exchanging AFTN/AMHS/ADS-B data and Voice on IPLS circuits. The details of existing circuits connected to Mumbai are as indicated in **Annexure-I.**

2.2   Being one of the BBIS states, India have been closely monitoring the progress of other BBIS states Singapore, Thailand and China and BIS states for aligning the implementation of the CRV with them for effective utilization of the network.

2.3   India had planned to implement the CRV after the CRV trials were successful but the implementation got delayed, due to issues related to taxation and some other clauses, took quite some time to get resolved with PCCW and later on there was further delay due to the COVID-19 Pandemic.

2.4   India initially plans to have a CRV node connected with Mumbai with the existing AMHS.

2.5   India further plans to replace the existing AMHS for which the tender is already in progress. The new AMHS will have a DC at Mumbai and a Disaster Recovery site at Delhi. Another CRV node is planned at Delhi after new AMHS and the disaster recovery site at Delhi is up and running.

2.6   After several round of discussions with PCCW, the issues pertaining to legal and finance for signing the agreement has been resolved. The draft Purchase Order was also shared with PCCW to avoid any issues in future. Both AAI and PCCW are in agreement over the draft purchase order.

2.7   The process of final approval of management is under process. Purchase Order will be issued to PCCW once the final approval is in place. It is expected that India may be able to issue the purchase order by Feb, 2022.

2.8   The revised **High-Level questionnaire has been shared with PCCW.** Initial site survey at Mumbai has also been done by the Indian partner of PCCW.

2.9   M/s PCCWG has informed that lead time requirements for setup of CRV network in India may take 8 months after signing of the agreement. PCCW is requested to keep themselves in the readiness and reduce the lead-time to get the network established at the earliest after signing of the agreement.

3.   ACTION BY THE MEETING

3.1   The meeting is invited to:

a)   Note the information contained in this paper;

b)   Urge PCCW for keeping themselves in readiness for establishing the CRV node at Mumbai, India in reasonable time after the agreement is signed.

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INTERNATIONAL LEASED CIRCUITS DATA/SPEECH

S. No	BETWEEN STATIONS	SPEED	TYPE OF CIRCUIT	VOICE/DATA	BBIS/BIS/ AFTN/DSC
1	MUMBAI-KARACHI*	128KBPS	Serial Async/AFTN	VOICE	DSC
2	MUMBAI-KARACHI	64KBPS	X400 over TP0 IPS AMHS	DATA	BIS
3	MUMBAI-BEIJING	64KBPS	X400 overX.25 ATN TP4 AMHS	DATA	BBIS
4	MUMBAI-SINGAPORE	64KBPS	X400 overX.25 ATN TP4 AMHS	DATA	BBIS
5	MUMBAI-BANGKOK	64KBPS	X400 overX.25 ATN TP4 AMHS	DATA	BBIS
6	MUMBAI-COLOMBO	64KBPS	X400 over TP0 IPS AMHS	DATA	BIS
7	MUMBAI-KATHMANDU	64KBPS	X400 over TP0 IPS AMHS	DATA	BIS
8	MUMBAI-DHAKA	64KBPS	X400 over TP0 IPS AMHS	DATA	BIS
9	MUMBAI-MUSCAT	64KBPS	TCP-IP/AFTN	VOICE/DATA	AFTN
10	MUMBAI-YANGON	2MBPS	2 MBPS E1	VOICE/DATA	
11	DELHI - LAHORE	64KBPS	DSC	VOICE	DSC
12	CHENNAI-KUALALUMPUR	64KBPS	TCP-IP/AFTN	VOICE/DATA	AFTN
13	AMRITSAR - LAHORE	64KBPS	DSC	VOICE	DSC
14	MUMBAI-PARO		AMHS Over VPN/Broadband	DATA	AMHS
15	MUMBAI-NAIROBI		AMHS Over VPN/Broadband	DATA	AMHS