International Civil Aviation Organization

Thirteenth Meeting of the Common aeRonautical Virtual Private Network Operations Group (CRV OG/13)
Wellington, New Zealand, 05-08 March 2025

_____

Agenda Item 10:   States CRV Implementation

STATUS OF CRV IMPLEMENTATION IN MALAYSIA

(Presented by the Civil Aviation Authority of Malaysia)

SUMMARY

This paper presents the status of CRV implementation between Malaysia and neighboring CRV States.

1.   INTRODUCTION

1.1   Official commencement date for CRV services in Malaysia has started in November 2021 and CRV Contract Agreement between PCCWG and CAAM on behalf of the Government of Malaysia was signed in Sept 2022.

1.2   The Contract Agreement for CRV services between the CRV service provider and Malaysia is a Government requirement in Malaysia.
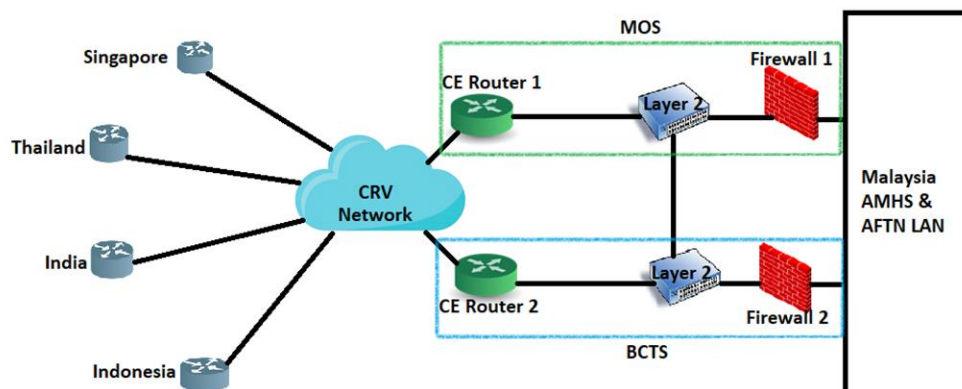
2.   DISCUSSION

2.1   Currently, Malaysia subscribes to package A with 2mbps, which connects both CRV routers located in Kuala Lumpur Air Traffic Control Center (KLATCC) to the CRV network.

2.2   The following table shows the status of CRV Implementation between Kuala Lumpur Air Traffic Control Centre (KLATCC) and neighboring CRV States:

CRV Implementation Status in Malaysia			
States	**Services**	**Timeline**	**Remarks**
Singapore	AMHS	24/05/2022	Network connectivity & AMHS testing completed

		17/04/2023	**Cut over & migration completed**
	Voice	TBD	TBD
		TBD	TBD
Thailand	AMHS	11/10/2022	Network connectivity & AMHS testing completed
		27/01/2023	**Cut over & migration completed**
	Voice	03/05/2023	Voice over CRV testing
		01/10/2024	**Cut over & migration completed**
India	AMHS	TBD	TBD
		TBD	TBD
	Voice	18/12/2023	Network Connectivity & Voice testing
		08/01/2024	**Cut over & migration completed**
Indonesia	AMHS	TBD	TBD
		TBD	TBD
	Voice	TBD	TBD
		TBD	TBD
Vietnam	AMHS	TBD	TBD
		TBD	TBD
	Voice	17/01/2025	Voice testing
		03/03/2025	**Cut over & migration completed**

CRV NETWORK DIAGRAM - KUALA LUMPUR AIR TRAFFIC CONTROL CENTRE (KLATCC)

2.3   CRV Bandwidth Utilization Rate.

2.3.1   The following table shows the informations regarding CRV bandwidth utilization for the AMHS services between Malaysia and neighboring CRV States (updated as March 2025):

Origination Site Name / Site ID	Destination Site Name / Site ID	Services	Data bandwidth (Kbps)
Malaysia KLATCC (MOS/DR) / Site ID: 60001	Singapore (Site ID: 65001) & (Site ID: 65002)	AMHS	64 Kbps
Malaysia KLATCC (MOS/DR) / Site ID: 60001	Thailand (Site ID: 66001)	AMHS & Voice (4 Channel)	64 Kbps & 448 Kbps
Malaysia KLATCC (MOS/DR) / Site ID: 60001	India (Site ID Chennai: 91441) (Site ID Mumbai: 91221)	Voice	112 Kbps
Malaysia KLATCC (MOS/DR) / Site ID: 60001	Vietnam (Site ID: 84001)	Voice	112 Kbps

2.4   CRV Operation experience.

2.4.1   Referring to the Malaysia CRV Implementation Plan schedule as paragraph 2.2 above, AMHS and Voice services migration to the CRV network only starts in Q1/2023.

2.5.2   Nevertheless, the involvement and technical assistance provided by the PCCWG representative in the initial preparations before carrying out the AMHS test activities carried out between Malaysia - Singapore and Malaysia - Thailand was very helpful and facilitated.

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

_ _ _ _ _ _ _ _ _ _ _ _