



ICAO

International Civil Aviation Organization

**The Third Meeting of the South Asia, Indian Ocean and
Southeast Asia ATM Coordination Group (SAIOSEACG/3)**

Bangkok, Thailand, 16 – 19 April 2024

Agenda Item 4: Implementation of CNS-ATM Systems

CURRENT STATUS OF CRV IMPLEMENTATION IN INDONESIA

(Presented by Indonesia)

SUMMARY

This paper presents updated information on the current status of CRV implementation in Indonesia.

1. INTRODUCTION

1.1 In early 2022, Indonesia signed a service contract with PCCW Global for the CRV project. PCCW Global is the company chosen to provide services for the CRV network.

1.2 As per the service contract, Indonesia opted for the CRV Connection Package-C. This package provides 3 Mbps of bandwidth for each of the two sites in Jakarta FIR and Ujung Pandang FIR to support both voice and data connections. The first connection was established in the first quarter of 2023.

1.3 Since the first quarter of 2023, Indonesia has been working alongside neighboring states to coordinate and establish connections for related application

2. DISCUSSION

2.1 To fully implement CRV, it's essential to complete various activities within specified timelines. These include bilateral agreements, establishing connections, conducting trial operations, transitioning to full operations and monitoring performance.

Data Connection Status

2.2 Since the first connection was established, Indonesia has conducted successful tests of the AMHS connection over CRV with Singapore since the fourth quarter of 2023. Additionally, AMHS operations over CRV have been in place since December 21, 2023.

2.3 Since early January 2024, Indonesia has also successfully tested the AMHS connection over CRV with Australia along with the commencement of AMHS operations over CRV in January 2024.

2.4 Discussions regarding other data connections utilizing CRV, such as ADS-B data sharing, will be addressed at a later stage among the participating states.

Voice Connection Status

2.5 In October 2023, Indonesia and Australia initiated voice connection testing. The testing has been successful, with the voice connection from Ujung Pandang FIR to Australia being fully operational. Although there were some issues with the voice connection from Jakarta FIR to Australia, they have been resolved at the Jakarta FIR site. The site is now prepared for further testing of voice connection with Australia.

2.6 Indonesia and Malaysia began testing voice connections over CRV in September 2023. However, some issues were raised during the testing process. The testing will continue into 2024 to address and resolve these issues.

2.7 Since September 2023, Indonesia and the Philippines have been conducting tests on voice connections over CRV. The voice connection from Ujung Pandang FIR to the Manila FIR has been successfully tested. Operational voice connections using CRV are anticipated to commence in 2024.

2.8 Indonesia and Papua New Guinea began testing voice connections over CRV in June 2023. However, certain issues arose during the testing phase. The testing will be ongoing into 2024 to address and resolve these issues.

2.9 Indonesia and the USA initiated voice connection tests over CRV in June 2023. However, several issues were identified during these tests. The testing will persist into 2024 to address and resolve these issues.

2.10 The existing voice connections between Indonesia and Singapore were tested over CRV from August 2023 to November 2023. In February 2024, Indonesia and Singapore successfully added a new voice line over CRV to support voice coordination between Indonesia and Singapore. These connections are now ready and in use for operational purposes.

CRV Connection with Other Adjacent FIRSs

2.11 Additional voice and data connections with other adjacent FIRs are expected to be established using CRV.

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.

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