



ICAO

*International Civil Aviation Organization*

**Twelfth Meeting of the Common aeRonautical Virtual  
Private Network Operations Group (CRV OG/12)**

*Denarau Island, Fiji, 23-26 January 2024*

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Agenda Item 3: CRV OG Reference documents  
– CRV Implementation Plan

## **CRV IMPLEMENTATION PLAN – IP ADDRESS BLOCKS ALLOCATED TO CRV USERS**

(Presented by Singapore/ Civil Aviation Authority of Singapore)

### **SUMMARY**

This working paper updates the meeting the Internet Protocol (IP) address blocks allocated to CRV Users, i.e. States/ Administrations and Industries (e.g. AIREON LLC providing Automatic Dependent Surveillance – Broadcast (ADS-B) data over the CRV).

## **1. INTRODUCTION**

1.1 The Asia Pacific region IPv4 addressing scheme in the CRV Implementation Plan which was used for States/ Administrations was concluded through APANPIRG/21 Conclusion 21/22 – Asia / Pacific ATN Interim Addressing Plan.

1.2 During CRV OG/8, the meeting agreed to use one vacant /19 IP address block from the Asia Pacific region IPv4 addressing scheme for the allocation of IP addresses to CRV Users - Industries. Each CRV User - Industry can be assigned with 254, 510, 764 or 1022 usable network addresses depending on its technical specifications. This was endorsed by CNS SG/25 meeting, i.e. Conclusion CNS/SG/25/01.

## **2. DISCUSSION**

2.1 Asia Pacific States/ Administrations can access the Asia Pacific IPv4 addressing scheme uploaded in the [ICAO APAC CRV Secure portal](#) for their CRV IP addressing plan/ management.

2.2 To date, there are two (2) CRV Users - Industries providing services over the CRV, i.e. AIREON LLC and PCCW Global. Each CRV User - Industry was allocated one /24 (i.e. 254 usable network addresses) IP address block. Hence, there are thirty available /24 IP address blocks where CRV OG can assign to CRV Users - Industries.

2.3 To better manage and forecast if the existing IP address blocks are sufficient, the meeting is invited to update CRV OG if there are new CRV Users - Industries intending to provide services over the CRV that need to be assigned IP address blocks.

**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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