

International Civil Aviation Organization



ICAO

Eighth Meeting of the Common aeRonautical Virtual Private Network Operations Group (CRV OG/8)

Video Teleconference, 17 – 19 May 2021

Agenda Item 11: Review ToR and update Subject/Task list of CRV OG

REVIEW ToR AND SUBJECT TASKS OF CRV OPERATIONS GROUP

(Presented by the Secretariat)

SUMMARY

This paper presents current ToR and Subject Task list of CRV Operations Group for review and update by the meeting.

1. INTRODUCTION

1.1 CRV OG was established by APANPIRG through Decision APANPIRG/27/33 in 2016.

1.2 The ToR was drafted by CRV TF, adopted by APANPIRG and then revised during CRV OG/5 in 2019, and adopted by CNS SG/23 through Decision CNS SG/23/2.

1.3 The development of various actions items for this group has initiated since CRV OG/1 and was consolidated as Action List during CRV OG/2 and renamed as Subject Task list in CRV OG/5.

2. DISCUSSIONS

2.1 The APANPIRG/27 meeting in 2016 noted a recommendation for creation of the Common aeRonautical VPN Operation Group (CRV OG). The initial CRV-OG rules and procedures were agreed by the CRV TF. The meeting reviewed the draft ToR of CRV OG provided in Appendix B to APANPIRG/27-WP/9. The meeting also noted the high-level outline of the ICAO APAC CRV OG Operations Manual (Appendix F to the CRV TF/5 Report). Accordingly the meeting adopted the following Decision:

Decision APANPIRG/27/33: Creation of the Common Aeronautical VPN (CRV) Operations Group (CRV-OG)

That, the Common Aeronautical VPN Operations Group (CRV-OG) is established with Terms of Reference provided in **Appendix B** to APANPIRG/27-WP/9

Expected impact:
 Political / Global
 Inter-regional
 Economic
 Environmental
 Ops/Technical

Why: CRV-OG is required for the second phase of the CRV project once the common service

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provider is selected.	
When: September 2016	Status: Adopted by PIRG
Who: <input checked="" type="checkbox"/> CNS Sub-group <input checked="" type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> APANPIRG <input type="checkbox"/> Other	

2.2 It was considered that the CRV OG shall be the guiding and co-ordinating organ for all activities conducted within ICAO concerning the Common Regional VPN for the Asia and Pacific Regions. However, it shall not assume authority vested in other ICAO bodies, except where such bodies have specifically delegated their authority to the Group. The activities of the Group shall be subject to review by the APANPIRG.

2.3 The work of groups established and meetings held within the framework of ICAO, concerned with the Asia and Pacific CRV shall be coordinated with the CRV OG to ensure full harmonization with all regional activities regarding the development and operation of the Asia/Pacific system. Based on discussion at CRV OG/4 meeting, the name of the CRV should be reconfirmed as Common aeRonautical Virtual Private Network (VPN) Operations Group (OG).

2.4 The CNS SG/23 meeting reviewed the proposed changes to the Terms of Referene of CRV OG including amendment to the title of CRV (the Common aeRonautical VPN), to undertake continuous CRV service improvements for future needs etc. and agreed to the following Decision:

Decision CNS SG/23/2 (ACSICG/6/2 - CRV OG/5/1) - Revised Terms of Reference of CRV OG	
What: That, the revised Terms of Reference of CRV OG provided in Appendix C to this Report be adopted.	Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
Why: Terms of Reference of CRV OG updated	Follow-up: <input checked="" type="checkbox"/> Required from States
When: 6-Sep-19	Status: Adopted by Subgroup
Who: <input checked="" type="checkbox"/> Sub groups <input checked="" type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:	

2.5 The CRV OG/7 meeting was informed about the revised the ToR of CRV OG through Decision CNS SG/23/2, and confirmed that CRV will be used for support of SWIM in the APAC Region.

2.6 The CNS SG/24 meeting adopted the following Conclusion:

Conclusion CNS SG/24/4 - Publishing of the CRV Operations Manual	
What: That the CRV Operations Manual provided in Appendix F to this Report be adopted as first Edition for publishing and use.	Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical

Why: Provides the information and directions required for CRV OG performance and CRV operations.	Follow-up: <input checked="" type="checkbox"/> Required from States
When: 4-Dec-20	Status: Adopted by Subgroup
Who: <input checked="" type="checkbox"/> Sub groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:	

2.7 The SG meeting appreciated contributions from Airways New Zealand to host web portal to hold updated CRV documentation, as well as Mr. Vaughan Hickford’s continuous contribution in supporting regional CRV implementation issue and drafting this manual.

2.8 The SG meeting also noted the issues related to CRV operational support at a regional level, as more and more ANSPs, service providers and service consumers have been joining CRV, various services are being implemented over CRV. States/Administrations are encouraged to share their new ideas on this issue in future meetings. **ACTION ITEM 24-2**

2.9 The Subject Task list for CRV OG was reviewed and updated by CRV OG/7 meeting in January 2020 is provided in the **Attachment B** to this paper.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) review the ToR of CRV OG provided in **Attachment A** to this paper;
- c) review and further update the Subject Task list for CRV OG provided in **Attachment B** to this paper, and the meeting is also expected to identify any new items for the work programme of CRV OG; and
- d) discuss any relevant matter as appropriate.

**Common Regional Virtual Private Network (VPN) Operations Group (OG) of
Asia/Pacific Air Navigation Planning and
Implementation Regional Group (APANPIRG) (APANPIRG CRV OG)**

TERMS OF REFERENCE

1. Background

The establishment of APANPIRG CRV OG was proposed during the deliberations of the CRV Task Force (TF) as a dedicated group to provide oversight of the CRV operations and the performance of the CRV Service Provider. The APANPIRG CRV OG is formally established by APANPIRG Decision 27/33.

2. Terms of Reference

The Common Aeronautical Virtual Private Network (VPN) Operations Group (OG) will provide oversight of the function and performance of the CRV and the performance of the Service Provider. The following are the activities to be performed:

- a) Oversee the implementation of the CRV post Contract Award;
- b) Manage issues arising from the transition with CRV TF, if any;
- c) Co-ordinate and standardize the establishment or upgrade of CRV services as required;
- d) Co-ordinate activities with other ICAO CRV OGs, if any, to make sure that decision making and communication with CRV Service Provider is consistent and timely;
- e) Oversee the performance of the CRV Service Provider, including customer service;
- f) Oversee the performance of the CRV network;
- g) Oversee the escalation and solving by the CRV Service Provider of issues associated with the provision of the CRV, including safety and security related issues;
- h) Assist with the resolution of issues associated with the provision of the CRV among the CRV Users as required, including safety and security related issues;
- i) Assist with the migration of Aeronautical Fixed Services (AFS) onto the CRV, in line with the GANP and seamless ATM plan;
- j) Maintain CRV OG documentation associated with the function, performance and management of the CRV, including the CRV OG Operations Manual, a list of CRV users and a record of variations to the common tender package;
- k) Accept deliverables from the CRV Service Provider on behalf of the CRV Users as required;
- l) Promote the use of CRV;

- m) Undertake continuous service improvements review to ensure CRV meets future needs; and
- n) Perform any other activity as required by CRV operations.

3. Reporting

The CRV OG will report to Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG) through ACSICG and CNS SG.

4. Participation

The CRV OG will include all APAC Member States/Administrations, and any other organization as needed. Member States and/or inter-regional entry/exit Administrations in other ICAO regions may also be invited or request to participate in the activities of CRV OG.

5. Conduct of the work

It is anticipated that the CRV OG will conduct its work primarily by Web Conferences, teleconferences and other electronic means of communications. Face to Face meetings of CRV OG may be required on an annual basis.

The ICAO APAC Regional Office will provide secretariat support for the CRV OG.

6. Rapporteur

There will be two Co-Chairpersons of the CRV OG, one primarily responsible for Asia coordination and the other for Pacific coordination.

CRV OG/7
Appendix D to the Report

Reference	Who	What	Due date	Status	Completed on	Result	Comment
1	ICAO RO	after inclusion by ICAO TCB of the revised budget and procurement clauses, ICAO Regional Office to send an ICAO State letter to all Pioneer States in order to propose the draft of revised annex 1 for acceptance. CRV OG/6 made Decision OG/6/3 to develop SOW for the concrete proposal.	22-Jan-20			The revised annex 1 had been developed in CNS SG/21 report but no concrete proposal.	CRV OG/2 has agreed to first explore the possible solutions through a small working group - action postponed to 1 Dec 17. The TCB expects more concrete proposal for the 2nd phase. OG chair seeking comments from pioneers states for be reviewed at CRV OG/6 meeting
2	Vaughan Hickford, New Zealand:	to develop the flowchart to manage change requests to the common provisions and establish agreements between counterparts on CRV and integrate those flowcharts in the CRV Operating Manual	20-Apr-18	Open	10/05/2019		Flow chart had been developed by CRV OG/4 and it will be included in the CRV Operating Manual. Identify sections where to be inserted?
3	All member States	complete contract with PCCW Global by no later than 12/2020	1-Dec-20	Open	on-going		Report on the status at each CRV OG meeting & update the CRV Implementation status table
4	CRV OG co-chair (Asia) and & pioneer CRV member States	To investigate use the MSA funds to undertake the independent safety assessment and seek approval from Pioneer States	Apr.2020	Open	on-going		same as item serial no. 1-1
5	China, Nepal, PCCWG	Study on use of existing VSAT infrastructure linking with CRV	Jan-20	Open	on-going		feasibility on use the existing infrastructure
6	PCCW Global & New Zealand	Pacific solution on inter-connection with PASNET	May-20	Open	on-going		Feasibility for interconnection
7	Australia and New Zealand	Polishing draft First CRV Operations Manual	May-20	Open	on-going		get it ready for endorsement and adoption
8	PCCWG & Australia	maintain APAC dial plan and posted on CRV OG portal	May-20	Open	on-going		consolidated by PCCWG and posted on the portal
9	AFSSP WG	encouraging member states of CRV to participate	20-Apr-20	Open			Inform Administration to participate and contribute
10	Hong Kong China	SWIM demonstration over mini-CRV by HK, Singapore and Thailand	01-May	Open	on-going		present the outcome of the demo to ACSICG/7 and SWIMTF/4
11	Australia and PCCWG	High level concept for inter-regional MPLS/IP connection	21-Apr-20	Open	on-going		provide initial proposal at AFSSP WG
12	PCCWG & Australia, Fiji	Charging structure for an ANSP service provider on surveillance	20-Mar	Open	on-going		as soon as possible for cba comparison
13	ICAO RO, Australia and USA	State letter to States to remind joining CRV	Mar-20	Open			late comer may compromise the benefits