



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY

RECONNECTING **THE** WORLD

CRV Governance

—
Presented by CRV OG Co-Chair (Asia)

Agenda

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About CRV Service Provide (PCCWG)

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About CRV

- ✓ A cross-border cost-effective telecommunications network for States.
- ✓ Reliable communications infrastructure for aeronautical communications.
- ✓ Enabler for the GANP ASBUs: B0-FICE, B0-NOPS, VoIP and B1-SWIM modules.
- ✓ End to end service

Brief History (1/2)

Origin of CRV OG

- ✓ APANPIRG Decision APANPIRG/24/32 established a Task Force consisting of the Subject Matter Experts (SME) to study regional virtual private network (VPN) and develop a detailed proposal by January 2016.
- ✓ APANPIRG Decision APANPIRG/ 27/33: Creation of the Common Aeronautical VPN (CRV) Operations Group (CRV-OG) in 2016.
- ✓ The first CRV OG meeting was held on 16 December 2016.



Brief History (2/2)

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 Service Provider

About CRV Service Provide (PCCWG)

A leading telecommunications provider, offering the latest voice and data solutions to multi-national enterprises and communication service providers.

Global coverage combined with local, on the ground knowledge has helped build best in class connections across the globe linking Asia-Pacific, Europe, the Americas, the Middle East and Africa.

The APAC CRV has been built leveraging PCCW Global's high-speed international IP network, with mission-critical connections running across a diversified infrastructure supporting multiple aviation-specific applications.

CRV Implementation Status



Under Operation

Australia, Bhutan, China, Fiji, Hong Kong China, India, Indonesia, Japan, Malaysia, New Zealand, Philippines, PNG, Republic of Korea, Singapore, Thailand, and USA.



Under Provisioning

Nepal, Mongolia, Vietnam



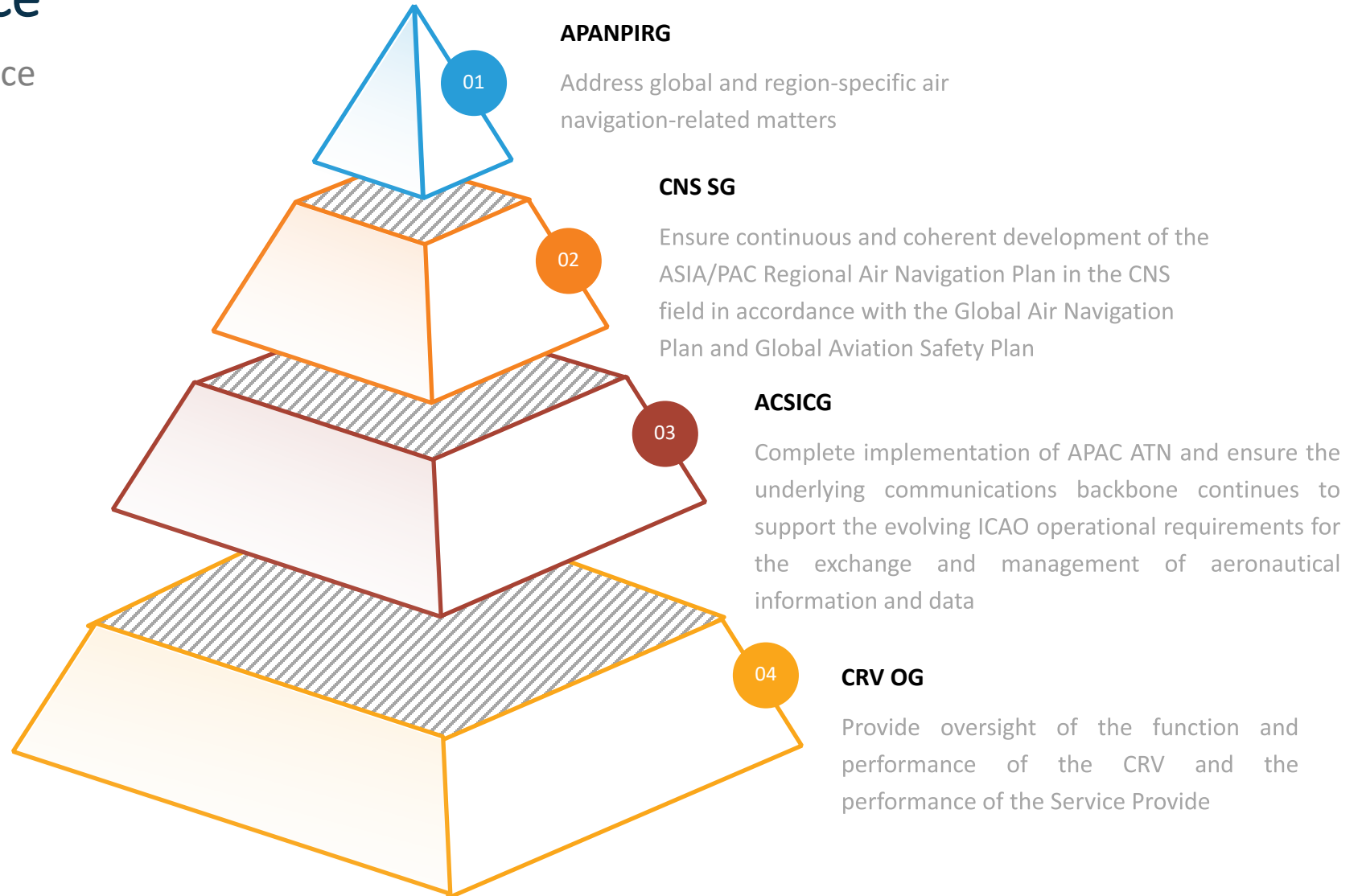
Hot Prospects in 2023

Sri Lanka , Pakistan and New Caledonia



CRV Governance

Current CRV Governance



CRV Governance

Requirements for improvement



Operations and Strategic matters:
CRV OG

More States join CRV: More
operations matters



CRV OG Ad-Hoc Expert Group: met
7 times in 2022

CRV Reference documentations

Bhutan CRV Post Implementation
Support



Strategies for Pacific Island
Interregional Interconnection
New CRV Tender

CRV Governance

Requirements for improvement

CRV Steering Group?

Role and power of CRV OG Co-Chairs?





Thank You