



ICAO

**THE FIFTEENTH MEETING OF THE COMMON
AERONAUTICAL VIRTUAL PRIVATE
NETWORK OPERATIONS GROUP (CRV OG/15)**

Mumbai, India, 15-19 June 2026

Agenda Item 9: States/Administrations CRV Implementation

PSIDS CRV Implementation Update and Challenges

(Presented by Fiji)

SUMMARY

This paper presents the update of the PSIDS CRV Implementation to date and the challenges faced with alternative solutions for PSIDS that cannot implement CRV.

1. INTRODUCTION

1.1 CRV Package D+ was agreed at the CRV OG/13 meeting held in New Zealand in 2025 on the recommendation by PCCWG, as the preferred CRV package solution for PSIDS planning to implement CRV and support high service reliability.

1.2 CRV will be the physical network layer used by ANSP in the SWIM implementation for ATM services that will support the implementation of the FF-ICE Flight plan format that has been mandated by ICAO for implementation by 2034.

2. DISCUSSION
PSIDS CRV Implementation Status Update

2.1. The table below summarizes the CRV implementation of the PSIDS that consists of 14 Pacific Island States:

#	PSIDS Name	CRV Package	Implementation Status	Alternative Solution in Joining CRV	Remarks
1	Cook Islands	D	Implemented December 2025	N/A	Service supported TBD
2	Federated States of Micronesia	Not Implementing	Not Implementing	Secured VPN connection over Internet to USA	Low traffic flight movement against high cost in implementing CRV
3	Fiji	B+ (1Mbps)	Implemented 2019	N/A	Support Voice and AMHS services

4	Kiribati	D+	In Progress	N/A	Work in progress with Fiji support to implement CRV in Q4 2026
5	Nauru	D+	In progress	N/A	Prospect for 2026 (PCWWG)
6	Niue	D	Implemented January 2026	N/A	Service supported TBD
7	Palau	Not Implementing	Not Implementing	Secured VPN connection over Internet to USA	Low traffic flight movement against high cost in implementing CRV
8	Papua New Guinea	C (2 x 640Kbps)	Implemented 2021	N/A	Support Voice, AMHS & Aireon Space ADS-B services
9	Marshall Island	Not Implementing	Not Implementing	Secured VPN connection over Internet to USA	Low traffic flight movement against high cost in implementing CRV
10	Samoa	D+	In progress	N/A	Prospect 2026 (PCCWG)
11	Solomon Islands	D+	In progress	N/A	Under provisioning (PCWWG)
12	Tonga	D	Implemented May 2026	N/A	Service supported TBD
13	Tuvalu	Not Implementing	Not Implementing	Secured VPN connection over Internet to Fiji	Low traffic flight movement against high cost in implementing CRV
14	Vanuatu	D+	In progress	N/A	Work in progress with Fiji support to implement CRV in Q4 2026

2.2. It is expected that 10 of the listed PSIDS will implement CRV in 2026, and the other 4 PSIDS are considering other alternative solutions like secured VPN over internet connection as indicated in the table above. The requirement in exchanging the new FF-ICE flight plan over SWIM will require PSIDS to implement the CRV that ICAO has mandated for ANSP to support SWIM.

2.3. With the CRV to support the SWIM services for AIXM/FIXM/IWXXM and the FF-ICE new Flight Plan using FIXM, which ICAO mandates to be supported from 2034, this is expected to be a significant investment for some PSIDS that are implementing CRV and will require the CRV OG discussion and guidance in progressing the implementation of the new CRV 2.0 from 2029.

2.4. PSIDS Challenges in the CRV Implementation and Alternative Solution for PSID to Implement CRV.

2.5. With the ICAO mandate for the implementation of CRV to support SWIM from 2030, some PSIDS see this as a significant investment that will require guidelines from ICAO for implementation.

2.6. With the existing proposal from PCCWG on a special rate for the CRV Package D+ at a monthly rental of USD 2K and an estimated cost of USD 24K annually with an expected total cost of USD 72

K up to 2028 before CRV 2.0 is operational, PSIDS is seeking the CRV OG on a better cost arrangement for CRV 2.0 that will allow PSIDS to join and noting the extra significant investment cost to support SWIM & the new FF-ICE Flight Plan format using FIXM.

2.7. PSIDS is seeking CRV OG to consider the challenges faced by PSIDS in relation to the high cost in the implementation of implementing CRV to support SWIM services against the low flight traffic movement and small ANSP economy that will require PSIDS to implement an alternate reliable solution to meet its operational requirement in terms of flight movement forecast and investment capability to support the ICAO ASBU and APAC regional plan.

2.8. In view of these ongoing challenges by PSIDS in meeting the ICAO ASBU and APAC regional plan in support of these new initiatives like CRV and SWIM, the paper presents this draft Conclusion to be discussed in the CRV OG/15 meeting in ensuring the ICAO No Country is Left Behind initiative is realised in the plans.

Conclusion XX/XX - ALTERNATIVE SOLUTION FOR PSIDS TO SUPPORT CRV AND SWIM SERVICES		
What: In view of the ongoing challenges faced by PSIDS in the implementation of CRV in terms of the operational requirement against the investment cost, the CRV OG is required to study and provide guideline for PSIDS on an alternative solution to support CRV & SWIM.		Expected impact: ☒ Political / Global ☐ Inter-regional ☒ Economic ☐ Environmental ☒ Ops/Technical
Why: To ensure a fit for purpose solution that meets the PSIDS operational requirement and investment capability in the implementation of the CRV & SWIM.	Follow-up: ☒ Required from States	
When: 15-Jun-26	Status: Subgroup	Draft to be adopted by
Who: ☒ Sub groups ☒ APAC States ☐ ICAO APAC RO ☐ ICAO HQ ☐ Other: XXXX		

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
- c) adopt the proposed draft conclusion
