

**ICAO***International Civil Aviation Organization***THE FIFTEENTH MEETING OF THE COMMON
AERONAUTICAL VIRTUAL PRIVATE
NETWORK OPERATIONS GROUP (CRV OG/15)***Mumbai, India, 15-19 June 2026*

Agenda Item 10: MPLS/IP based inter-regional connection

USE CASES FOR INTERREGIONAL CONNECTION

(Presented by the Secretariat)

SUMMARY

This paper presents use cases for interregional connections, complemented by the ICAO APAC Office for Meeting information and discussion on further action

1. INTRODUCTION

1.1 The Sixteenth Meeting of the CRV OG Ad-hoc Expert group was held online on 9 October 2025.

1.2 While discussing the agenda item on interregional connections, it was agreed that, in order to further examine the benefits of such connections, all States utilizing CRV and maintaining interregional links would share relevant use cases. This paper presents the progress made on this task.

2. DISCUSSION

2.1 Agenda item on regional interconnection is a key point of discussion in various CRV OG and ACSICG Meetings. Recently, SWIM TF Meetings have also promoted the initiative to connect various IP networks in different regions to achieve the capabilities of global SWIM.

2.2 All key Meetings of CNS under APANPIRG have requested CRV OG to escalate this project and share updates in different Meetings for information.

2.3 The CRV OG Ad-hoc Expert Group, convened in October 2025, initiated an action to compile use cases of interregional connectivity. All States with connections outside the APAC region were requested to submit relevant information to the ICAO Secretariat. This compilation was expected to provide valuable insights into the potential additional benefits that can be realized through enhanced interregional connectivity.

2.4 Since October 2025, the ICAO APAC Office has collected detailed information shared by different States/Administrations. The current compilation of use cases is as follows:

| SN | States/Administrations | Connected States/Region | Use Cases |
|-----|-------------------------------|---|---|
| 1. | Afghanistan | Iran | |
| 2. | Australia | South Africa | AMHS connection |
| | | United States | Melbourne - Salt Lake City (Use case??) |
| 3. | China | Russia (Khabarovsk) | AFTN message exchange |
| | | Kuwait | Beijing - Kuwait City (Use case??) |
| 4. | Hong Kong China | No interregional connection | |
| 5. | Fiji | United States | Nadi - Oakland centre (Use case??) Nadi - Salt Lake City Com Center |
| 6. | India | Oman in the Mid Region (Mumbai-Muscat) using a 2 Mbps leased line | AMHS DATA and Voice |
| | | Nairobi (Kenya) | AMHS |
| 7. | Japan | Russia Federation | Fukuoka – Moscow (Use case??) Fukuoka – Khabarovsk (Use case??) |
| | | United States | Fukuoka - Salt Lake City (Use case??) |
| 8. | Marshall Islands | United States | Majuro (PKMJ) - Salt Lake (Use case??) |
| 9. | Micronesia Federated State of | United States | Chuuk (PTKK) - Salt Lake (Use case??) Kosrae (PTSA) - Salt Lake (Use case??) Ponapei (PTPN) – Salt Lake (Use case??) Yap (PTYA) - Salt Lake (Use case??) |
| 10. | New Zealand | Chile | AMHS connectivity Redundant connections to Auckland and Christchurch |
| | | United States | Christchurch – Oakland, Salt Lake City, Atlanta Auckland - Oakland, Salt Lake City, Atlanta |
| 11. | Pakistan | Kuwait | Karachi - Kuwait city (Use case??) |
| | | Iran | Karachi – Tehran (Use case??) |
| | | Oman | Karachi - Muscat (Use case??) |
| 12. | Singapore | London and Bahrain | AMHS DATA and Voice |
| 13. | Thailand | Italy | AMHS DATA |

| | | | |
|-----|-----|--|----------------------------------|
| 14. | USA | MEVA (we're a major hub for the Caribbean region). | Enhance diversity and resilience |
| | | REDDIG to Lima, but is not a member of REDDIG. | |
| | | Portugal and the UK, with a separate IP network, are not a part of PENS. | |

2.5 Based on details shared by different States/Administrations, key use cases include AFTN, AMHS, voice, Data and enhanced diversity.

3. ACTION BY THE MEETING

3.1 The Meeting is invited to:

- a) note the information contained in this paper;
- b) discuss the use of compiled use cases to support interregional connectivity;
- c) add additional (missing) details in the use case compilation table; and
- d) discuss any relevant matter as appropriate
