



ICAO

International Civil Aviation Organization

**Seventh Meeting of the Common Aeronautical Virtual
Private Network Operations Group (CRV OG/7)**

Bangkok, Thailand, 20 – 22 January 2020

Agenda Item 5: Inter-regional CRV implementation (Bahrain and Russian Federation)

**CONNECTION TO CRV AMHS CENTRES OF THE RUSSIAN
FEDERATIONS INTERACTING WITH COM CENTRES
OF COUNTRIES OF THE ICAO APAC REGION**

(Presented by Russian Federation)

SUMMARY

This working paper proposes to consider the possibility of transition to interaction between the COM centers of the Russian Federation and the countries of the ICAO APAC region using CRV

1. INTRODUCTION

1.1 The ICAO APAC COM Coordination Meeting on the transition of the information exchange between the Communication Centres of the Russian Federation and the Countries of the ICAO APAC Region using the AMHS Protocol, held in Bangkok from May 6-7, 2019, considered the possibility of using CRV for these purposes.

2. DISCUSSION

2.1. During the discussion at the ICAO APAC COM Coordination Meeting on the transition of the information exchange between the Com centres of the Russian Federation and the countries of the ICAO APAC region using the AMHS protocol, it was determined that one of the main issues is the definition of infrastructure in the interaction between communication centres. Various options were considered:

- Using dedicated communication links between the interacting AMHS servers using TCP-IP as the carrier protocol;
- Implementation by service providers the connection between of AMHS IP VPN of the Russian Federation and the Common Aeronautical VPN IP network of the APAC region (CRV);
- Connecting Russian Com centres to CRV.

The following conclusions were drawn from the discussion:

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The Russian Federation agreed to consider connecting to CRV at three gateways in Moscow, Khabarovsk and Irkutsk, where the Russian Federation interacts with countries in the APAC region in Beijing, Fukuoka and Ulan Bator via CRV. In this regard, the ICAO regional office was invited to facilitate the organization of negotiations between PCCW Global and the Russian Federation to determine the target dates for joining the CRV. China, Japan and Mongolia were also invited to work out the deadlines for implementing CRV, including connecting to Com centres in Russia, by the end of 2019.

2.2. As a result of the meeting, interaction with the CRV provider PCCW Global was organized. The company sent questionnaires for connecting to CRV to Russian communication centres. Based on the requested data, typical schemes and bandwidth of connecting to the CRV were selected, as well as the types of requested network services. These materials were sent to PCCW Global to prepare technical and commercial proposals.

2.3. After submitting technical and commercial proposals from PCCW Global or its representatives in the Russian Federation, we will organize tender procedures provided for by the legislation of the Russian Federation, for selecting a provider for connecting Russian AMHS centres to CRV.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- discuss and comment this working paper; and
- approve the work carried out by the Russian Federation and PCCW Global to connect Russian Com centres to CRV.
