

*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 6:** Review and update the AMHS/ATN Implementation Status table and the APAC CRV Implementation Table

**CONNECTING RUSSIAN COMMUNICATION CENTERS TO CRV**

(Presented by Russian Federation)

**SUMMARY**

This working paper presents the status on connecting COM centres of the Russian Federation to CRV and suggest considering ways to accelerate this process.

**1. INTRODUCTION**

In May 2019, the ICAO APAC Office organized Com Coordination Meeting between Japan, China, Mongolia, and Russia in Bangkok on the transition of information exchange using AMHS procedures. As a result of this meeting, the Russian Federation agreed to consider the possibility of connecting to the CRV at three locations, namely Moscow, Khabarovsk and Irkutsk, which will allow interaction between the Russian Federation and the States of the APAC region in Beijing, Fukuoka and Ulaanbaatar through the CRV. In this regard, the ICAO Regional Office was invited to facilitate the organization of negotiations between PCCW Global and the Russian Federation on joining the CRV.

**2. DISCUSSION**

2.1 Following the decisions of the Japan-China-Mongolia-Russia Com Coordination Meeting, active cooperation with PCCW Global began to work out issues on connecting Russian Com centres to the CRV. After selecting the network connection method and bandwidth, PCCW Global sent the main documents (CONOPS, TERMS & REFERENCE, etc.) to the Russian side.

2.2. The participants of the CRV OG/7 meeting, held in Bangkok in January 2020, unanimously approved the connection of Russian Com centres to the CRV. To clarify the technical details of the organization of the last mile, it was necessary to conduct a survey in each Com centre. This work was carried out by the partners of PCCW Global in Russia.

2.3. Unfortunately, the survey took a long time due to the difficulties associated with the COVID19 coronavirus pandemic. Taking this into account, the Russian side decided to limit itself at the initial stage to connecting only Com centres in Moscow and Khabarovsk.

**Agenda Item 6**

17-19/05/21

2.4. The draft technical and commercial proposals by PCCW Global were formed and sent in February 2021. However, as we have already informed PCCW Global, these proposals can only be considered by sending an official letter to the CEO of State ATM Corporation. Also, to conduct the tender procedures, we will need to submit a letter from ICAO APAC Office stating that PCCW Global is the official provider of the regional Air Navigation Virtual Network (CRV) based on the IP protocol for the APAC region.

2.5. In March-April of this year, we discussed with the Japanese side (JCAB) the possibility of switching to interaction under the AMHS procedures. We could not clearly determine the timing of the transition, as the timing of the connection of Moscow Com centre to the CRV is not defined, and the possibility of interaction via a dedicated line does not suit JCAB.

2.6. The situation with the transition to AMHS between the Com centres of Beijing and Khabarovsk is slightly better. The satellite communication circuit has been replaced with a terrestrial one. The first interoperability tests were conducted between the Com centres.

2.7. It should be noted that since November 2020, meteorological information in the IWXXM format is transmitted between ROC and IROC using AMHS procedures. The European ICAO region AST TF eOG-4 meeting held in April this year asked to speed up the connection of Russian centres under AMHS procedures to the APAC Com centres to provide a bypass in the event of a connection failure between the IROCs of London and Singapore

2.8. Given that the APAC centres are connected to the CRV, in order to solve the problems associated with the transition to interaction under the AMHS procedures between the Com centres of Moscow and Fukuoka, Khabarovsk and Beijing, it is necessary to speed up the submission of official commercial and technical proposals for connecting Russian Com centres to the CRV.

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) discuss and comment this working paper; and
- b) approve the proposals set out in clause 2.8.

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