



ICAO

International Civil Aviation Organization

Eleventh Meeting of the Aeronautical Communication Services Implementation Coordination Group (ACSICG/11)

Bangkok, Thailand, 19 - 22 March 2024

Agenda Item 6: Review and update the AMHS/ATN/AIDC Implementation Status

CURRENT STATUS OF AMHS IMPLEMENTATION IN JAPAN

(Presented by Japan)

SUMMARY

This paper presents the status of the transition from AFTN to AMHS between Fukuoka and Moscow.

1. INTRODUCTION

1.1 Japan has been progressing the AMHS over CRV implementation in Asia Pacific region. AMHS between Fukuoka and Salt Lake City has transited CRV connection in 2019, and after that, Japan has implemented AMHS over CRV as follows. Currently, Fukuoka (RJJJ) and Moscow (UUUU) communication centers still operate with AFTN connection.

Connections	Cut-Over
Fukuoka/Salt Lake City	AMHS implementation in 2005 and over CRV in FEB 2019
Fukuoka/Hong Kong	AMHS over CRV implementation in SEP 2020
Fukuoka/Singapore	AMHS over CRV implementation in DEC 2020
Fukuoka/Beijing	AMHS over CRV implementation in MAR 2021
Fukuoka/Taipei	AMHS over CRV implementation in MAR 2022
Fukuoka/Seoul	AMHS over CRV implementation in DEC 2022

1.2 Russian Federation considered to join CRV at CRV OG/5 held in May 2019. After the meeting, Japan and Russia coordinated to aim the transition from AFTN to AMHS/CRV in 2021.

1.3 Japan and Russia readjusted the transition plan for several times because the contractual arrangements of Russia have not been finalized due to restrictions on the use of Cisco equipment. At CRV OG/11 held in February 2023, Russia proposed the dedicated L2VPN provided by Rostelecom (Russian telecommunication provider), Japan answered to Russia that Japan can wait for contract with PCCW of Russia.

1.4 In February 2024, Russia informed us that AFTN circuit will be disbanded after July 31, 2024, because Moscow's equipment supporting the AFTN/X.25 protocol has run out of life this year and the International Private Leased Circuit between Fukuoka and Moscow will be closed. Therefore, Japan and Russia are coordinating the interim action until AMHS connection over CRV.

2. DISCUSSION

2.1 Japan is basically waiting for CRV connection with Russia because the contract with Rostelecom is very difficult due to the domestic legal matter. However, AFTN circuit between Fukuoka and Moscow plays an important role of inter-regional connection with Asia Pacific region and Europe region. Japan proposed the alternate plan that is AMHS connection over the dedicated IP-VPN provided by Japanese telecommunication provider and another Russian telecommunication provider to contribute stable and efficient Aeronautical fixed service. Currently, we are considering to conducting the alternate plan, but the concrete date of transition is to be coordinated.

2.2 If the above plan could not be achieved, Japan will start to consider another alternate plan to progress inter-regional information exchange with Asia Pacific region and Europe region. Japan will participate for New Pan-European Network Service (NEW PENS) and make AMHS connection with other communication center in Europe region. It is one of effective plan, however, it is necessary for coordination of the routing change between ICAO APAC regional office and European and North Atlantic regional office.

2.3 Furthermore, if AFTN circuit is disbanded after August 1, 2024, the alternate routing of “U” is needed until the interim connection above mentioned is in operation. Japan will ask cooperation to coordinate the routing change for relevant communication center, especially Beijing and Hong-Kong.

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.
