



International Civil Aviation Organization

COM CO-ORDINATION MEETING

People's Republic of China, Japan, Mongolia and Russian Federation



Shanghai, People's Republic of China, 18 – 20 October 2011

Agenda Item 5: Discuss implementation plan of ATN/AMHS between States

STATUS OF AMHS CONNECTION BETWEEN CHINA AND ROK

(Presented by China)

SUMMARY

The information paper presents the status of ATN/AMHS connection between China and Republic of Korea (ROK).

1. INTRODUCTION

1.1 The Air Traffic Management Bureau (ATMB), CAAC and the Korea Civil Aviation Safety Authority (KCASA) signed the Technical Memorandum of Cooperation (TMC) for ATN/AMHS implementation on 19 December 2008. Both sides agreed to conduct tests and initiate AMHS service between China and ROK.

1.2 In July 2010, China and ROK establish a new 64Kbps circuit dedicated to ATN/AMHS test and future operation. By the end of 2010, ATN/AMHS technical tests and operational tests were successfully completed.

1.3 According to the Operation Initiation Procedure for ATN/AMHS service signed by both countries in May 2011, the commission of ATN/AMHS operation between China and ROK commenced on 1st June 2011.

2. DISCUSSION

2.1 Since 16:00UTC 1st June 2011, the ATN/AMHS service has been used to carry all message traffic between China and ROK. More than 2000 messages was converted and transferred through the new connection per day. The original AFTN circuit is retained as a backup connection.

2.2 Working as a hub in APAC AMHS network, Beijing AMHS system not only carries messages between China and ROK, but also relays the messages between ROK-Nepal, ROK-Mongolia and ROK-DPRK. To transfer the messages from/to Nepal, Mongolia and DPRK, China and ROK configure the gateway addresses mapping table according to AMC database.

2.3 In cases of some parts of network failures, Beijing might take the responsibility to transfer messages between ROK and other countries. In order to correctly convert and transfer the messages between AFTN and AMHS, AFTN/AMHS gateway need consistent AMHS addresses information, not only local addresses, neighboring countries addresses, also addresses of other countries which have no direct connection. The consistent AMHS addresses information on a global basis is crucial for AMHS implementation, especially when more and more states start AMHS service

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the status of ATN/AMHS connection between China and ROK.
