



International Civil Aviation Organization

The Fifth Meeting of ICAO Asia/Pacific Air Traffic Flow Management Steering Group (ATFM/SG/5)

Bangkok, Thailand, 30 March – 3 April 2015

Agenda Item 5: Development of Regional ATFM Framework

PROPOSAL ABOUT THE ESTABLISHMENT OF APAC CROSS-BORDER CDM/ATFM INFORMATION PLATFORM TECHNICAL EXPERT GROUP

(Presented by CHINA)

SUMMARY

This paper presents the importance of the establishment of APAC cross-border CDM/ATFM information platform technical expert group of the Asia-pacific region. It is meaningful to call on all parties to actively participate in this technology research, to promote the ATFM information interaction process in this region together.

1. INTRODUCTION

1.1 Timely and reliable information interaction among the nodes is an important part to make the whole system operating efficiently in a distributed multi-nodal ATFM framework. With the advancement of cross-border ATFM in the Asia-pacific region, the existing ways are hard to meet the requirement of information interaction in the future in the whole area. Therefore, to carry out the research of ATFM information interaction platform technology in the Asia-pacific region as soon as possible can make an effective support of the cross-border ATFM which is planned to be implemented in 2018.

1.2 The participants of ATFM in the Asia-pacific region including ANSPs, airspace users and airports. However, there is still not a unified standard of cross-border ATFM information interaction among the participants. And we have to face the difficulties caused by the different standard of data interface among different countries and regions. Therefore, relatively unified information interaction technology standard is not only the foundation of the realization of coordinated decision, but also one of the core content of ATFM information interaction in the whole Asia-pacific region.

1.3 From the information interaction mode to the data exchange standard, it need sufficient research and thinking to reach broad consensus on ATFM information interaction technique in the Asia-pacific region. Therefore, the establishment of the information interaction platform technical expert group can not only fully consider the common needs of all parties concerned in the Asia-pacific ATFM information interaction in the future, but also play an important role in promoting the development of interactive information technology.

2. DISCUSSION

Purpose

2.1 Research the information interaction technology under the framework of the distributed multi-nodal ATFM in the Asia-Pacific region by the broad participation, including ANSPs, airspace users, and airports, to make the information interaction technology widely universal under the consideration of each participant's need, to promote the development of the cross-border ATFM in the Asia-pacific region.

Content

2.2 The content of information interaction. There are various ATFM information in the Asia-Pacific region, every participant can provide different information and has different needs. Technical expert group will determine the scope of information interaction in consideration of the need of cross-border ATFM in the Asia-pacific region.

2.3 The ways of information interaction. There are various ways to make the information interaction such as the open network platform, data exchange interface standard protocol, AFTN (Aeronautical Fixed Telecommunication Network), E-mail, fax and telephone. Technical expert group can research the ways of ATFM information interaction according to the actual situation of the region.

2.4 Interface control document. Research and develop the data interface control document that accepted and observed by every participant to realize the efficient and convenient data exchange between each other, and to improve the universal of information exchange.

Organization

2.5 Under the guidance of ICAO, ATFM information interaction platform technical expert group of the Asia-pacific region will be encouraged to participate in technical discussion together in the forms of technical group meetings,

2.6 Telephone video conferencing, e-mail and telephone, etc. Related research results will be submitted to the ATFM steering group meeting in the Asia-pacific region and related ATFM meetings.

Suggestion

2.7 Information interaction is becoming more and more important under the framework of distributed multi-nodal ATFM. Although E-mail, fax and other simple ways can achieve information exchange, they are difficult to meet the needs of large amounts of data if the whole Asia-pacific region implements the cross-border air traffic flow management in the future. To carry out the research of ATFM information sharing technology as soon as possible plays an important role in promoting local flow management, and it's one of the basis of the distributed multi-nodal ATFM.

2.8 The distributed multi-nodal ATFM information interaction platform will be made more perfect and more comply with the common needs of all sides under the research and participate in common. We are calling on all parties to actively participate in this technology research, to promote the ATFM information interaction process in the Asia-pacific region together.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) support the establishment of ATFM information interaction platform technical expert group of the Asia-pacific region;
- c) discuss any relevant matters as appropriate.

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