



International Civil Aviation Organization

The Fourth Meeting of ICAO Asia/Pacific Air Traffic Flow Management Steering Group (ATFM/SG/4)

Bangkok, Thailand, 1 – 5 December 2014

Agenda Item 5: Development of Regional ATFM Framework

THE SUGGESTIONS OF ATFM INFORMATION INTERACTION IN ASIA-PACIFIC REGION

(Presented by CHINA)

SUMMARY

This paper presents a briefing on the suggestions of cross-border ATFM information interaction which have a higher degree of dependence on the distributed multi-nodal ATFM network. China appeals to set up the mechanism of interactive information immediately and to develop the ATFM information interaction platform collaboratively.

1. INTRODUCTION

1.1 The importance of information interaction has a broad consensus in the field of civil aviation. The importance of information interaction has been verified in the process of the development of the flow management in North America, Europe and other countries and regions. With the further implementation of the CDM/AFTM framework in the Asia and Pacific Region, the operational mode of the distributed multi-node will have a higher degree of dependence on information sharing.

1.2 Information sharing and interaction makes the collaboration among countries and regions more convenient, and each ATFM unit can work under a common situational awareness. When collaborative environment changes, the parties can understand more easily, cooperate with the decision makers under the collaborative environment, and deal with the emergencies and other special situations.

2. DISCUSSION

Construction of information sharing platform

2.1 According to the *Relevant Thinking and Practices of CDM/ATFM in the South China Sea Area* submitted at the ATFM/SG/3 meeting, Sanya area of China has launched the construction work of ATFM information sharing platform planned.

2.2 According to the development process of ATFM in the Asia and Pacific Region, the information sharing platform will be divided into multiple stages to be completed. Presently, the first phase of the project is mainly to share flow control information, traffic capacity information, weather information and information issued, etc., of the Sanya FIR. The main functions of the first phase is

planned to be completed in 2015, and simultaneously corporate with the need of the first phase of the ATFM trials in the Asia and Pacific Region.

2.3 With the promoted development of ATFM in the Asia and Pacific Region and the continuous improvement of parties' participation, information sharing platform can be extended to slot time, airport AAR, dynamic monitoring, product customization, etc., on the range, it can be extended to all the participants including the mainland China.

Setting up the mechanism of interactive information immediately

2.4 In the existing distributed multi-nodal ATFM network, it will likely reduce efficiency, information chaos and other situations if every stakeholder in the face from multiple external node from the information. This is also one of the disadvantages that we need to overcome. Through the establishment of information interaction platform, the information interaction will proceed from "one-to-many" into "one to platform".

2.5 Suggesting immediately set up the ATFM information interaction conceptual framework between stakeholders which is suitable for the Asia and Pacific Region mainly including the type, content, format, and process of information interaction.

2.6 Under the preconditions of not involving security, confidential information, all stakeholders should share their ATFM relevant information as much as possible and provide reliable reference basis to collaborative decision-making of stakeholders through the establishment of a sound information interaction mechanism.

Implementing platform construction cooperation jointly

2.7 All parties participating in the information interaction provide information about themselves, and simultaneously they will also share more information. All of them are the beneficiaries in the process of information interaction. The overall benefits will be promoted to the maximum through active participation and collaboration cooperation.

2.8 The Sanya area of China has launched the relevant construction work on the preliminary studies on ATFM information sharing and interaction techniques. In order to avoid the waste of resources caused by the repeated researches, and to promote regional information interaction process as soon as possible, China appeals to all stakeholders to participate in the researches of information interaction platform, and accelerate the development of regional ATFM jointly.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) recognize the importance of the construction of ATFM information interaction platform;
- c) make suggestions on the development of ATFM information interaction platform;
- d) discuss any relevant matters as appropriate.

.....