



International Civil Aviation Organization

The Sixth Meeting of ICAO Asia/Pacific Air Traffic Flow Management Steering Group (ATFM/SG/6)

Bangkok, Thailand, 6 June – 10 June 2016

ATFM/SG/6-IP/02
06/06/2016 - 10/06/2016

Agenda Item 2: Review Outcomes of Related Meetings

WORKSHOPS ON ATFM/CDM

(Presented by ICAO)

SUMMARY

This paper presents the outcomes of the workshops on ATFM/CDM held in Asia Pacific Region from 2015 – 2016.

1. INTRODUCTION

1.1 The work of ICAO in supporting States in the Asia/Pacific Region in Air Traffic Flow Management/Collaborative Decision-Making (ATFM/CDM), conducted by the ICAO Asia/Pacific Regional Sub-Office (APAC RSO) supports *inter alia* APANPIRG Conclusion 26/10 – ATFM Seminars/Workshops, which is reproduced below.

Conclusion APANPRIG/26/10 – ATFM Seminars/Workshops

That, ICAO be urged to facilitate Asia/Pacific ATFM Seminars/Workshops for Asia/Pacific and trans-regional States, to:

- a) familiarize stakeholders with the Asia/Pacific Regional Framework for Collaborative ATFM;*
- b) assist implementation of ATFM; and*
- c) act as a forum for further development of the Asia/Pacific Regional Framework for Collaborative ATFM, and the associated ATFM Information Requirements document and Interface Control Document (ICD).*

1.2 With the successful conduct of the ATFM Workshop Asia Pacific 2014 held in Beijing, China from 27 – 30 October 2014, many States approached ICAO to express their interest in hosting similar ATFM/CDM workshops.

1.3 The International Air Transport Association (IATA) also kindly agreed to conduct a series of Cross-Border ATFM Workshops in cooperation with ICAO to share the importance of Cross-Border ATFM with States in Asia Pacific Region.

2. DISCUSSION

Workshop Activities

2.1 APAC RSO has conducted 3 different types of workshops to assist Asia Pacific States in their implementation of Air Traffic Flow Management (ATFM) and Collaborative Decision Making (CDM) as follows.

2.2 *Foundation ATFM Workshops*

Foundation ATFM/CDM Workshops were conducted to provide participants with a basic idea of ATFM/CDM based on the ICAO DOC 9971 (Manual on Collaborative Air Traffic Flow Management) and the Regional Framework for Collaborative ATFM. Table 1 lists the workshops that were conducted in 2015 and 2016:

Venue	Date	Participants
Yangon, Myanmar	9 – 11 February 2015	30
Ulaanbaatar, Mongolia	17 – 19 June 2015	71
Jakarta, Indonesia	29 – 31 July 2015	78
Vientiane, Lao PDR	17 – 19 February 2016	35
Seoul, Republic of Korea	19 – 20 May 2016	70

Table 1: Foundation ATFM Workshops 2015 – 2016

2.3 *Advanced ATFM Workshop*

Advanced ATFM/CDM Workshops were conducted to provide participants with an in-depth understanding of ATFM/CDM, supporting the State's needs and situation including operational constraints. Therefore, the content of this workshop aims to be State specific and may be conducted only for the State. **Table 2** lists the workshops that were conducted in 2015 and 2016:

Venue	Date	Participants
Yangon, Myanmar	3 – 5 August 2015	29
Jakarta, Indonesia	13 – 14 April 2016	60

Table 2: Advanced ATFM Workshops 2015 – 2016

2.4 *Cross-Border ATFM Workshop (IATA-ICAO partnership)*

Cross-Border ATFM Workshops were conducted by the IATA-ICAO partnership and in cooperation with Subject Matter Experts (SMEs) from States and international organizations (i.e. Australia, China, EUROCONTROL, FAA, Hong Kong China, India, Japan, New Zealand, Singapore, Thailand, AATIP and CANSO). The workshops were in the form of a seminar (classroom-based lectures) where participants got to understand the reasons for implementing Cross Border ATFM and learnt about the experience from existing Cross Border ATFM implementations in the other parts of the world. Table 3 lists the workshops that were conducted in 2015:

Venue	Date	Participants
New Delhi, India	3 – 4 September 2015	69
Jakarta, Indonesia	21 – 22 October 2015	97
Bangkok, Thailand	17 – 18 November 2015	60

Table 3: Cross-Border ATFM Workshops 2015

2.5 Cross-Border ATFM workshops were subsequently not conducted as this would require future cooperation with IATA and the various SMEs from States and International Organizations. ICAO would like to take this opportunity to express its appreciation and thanks to all who participated in the workshops as speakers, to share their ATFM implementation experiences with participants.

Outcomes of the Workshops

2.6 Upon completing the workshops, the typical outcomes captured from Foundation ATFM workshops included:

Foundation ATFM workshops

- a) The Workshop noted that CDM process is a key enabler of ATFM strategy. For successful ATFM/CDM implementation, the Workshop noted that airspace is a common resource for all users and there should be assess, equity and transparency;
- b) The Workshop noted that in its initial application, ATFM/CDM need not involve complicated processes nor systems to reach the goal of having operational information communicated to all stakeholders in a timely manner; and
- c) The Workshop gained hands-on experience on collaboration at local, national and sub-regional levels and had an opportunity to develop simple CDM processes through exercises facilitated by ICAO.

2.7 The outcomes captured from the Cross-Border ATFM workshops included:

Cross-Border ATFM workshops

- a) Capacity Enhancement/optimization is always paramount;
- b) Capacity declarations should be made for nominal and constrained conditions;
- c) ATFM is not just about capacity enhancement and management but it is about safety;
- d) ATFM is vital for recovery after contingency ATM events;
- e) Multi-Nodal Cross Border ATFM is a viable solution for the region;
- f) It is not a one-time event. It is an evolutionary process;
- g) It is a process not a tool. Tools support the process. Tools could be as simple as a clipboard and pencil;
- h) It is a facilitation systems to optimize capacity, not a delay implementation tool;
- i) Implementation of ATFM is a collaborative process of all stakeholders;
- j) Regulatory framework for compliance;
- k) Weather decision assisting tools and accurate forecasting essential for effective ATFM;
- l) FUA is an enabler for significant capacity enhancement and should be pursued; and

- m) Great resources are available to assist with implementation.

2.8 The next steps forward identified for the participants to consider as part of their role in Cross Border ATFM would be:

- a) As a State/ANSP;
- b) As an individual; and
- c) Education to Stakeholders

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information presented in this paper and discuss the outcomes of the workshops;
- b) encourage States and Administrations to participate in and host future ATFM/CDM Workshops or Seminars; and
- c) discuss any relevant matters as appropriate.

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