



ICAO

International Civil Aviation Organization

Third Meeting of the APAC ANSP Committee (AAC/3)

Chengdu, 8-10 July 2024

Agenda Item 3: Discussion on Working Papers

IMPLEMENTATION OF CNS&ATM WORKSHOP AND TRAINING

(Presented by WS1)

SUMMARY

This paper gives a brief introduction about the implementation of the CNS&ATM workshop and training which has been successfully accomplished in May in China.

1. INTRODUCTION

1.1 Out of the 9 tasks of the first work stream (WS1), the 2nd task, led by China and Singapore, aims to continuously deliver corresponding technical cooperation and assistance among ANSPs under the collaboration framework of AAC, for the improvement of ANS capacity and capabilities, and accelerating the implementation of the ICAO APAC Seamless ATM Plan collaboratively.

1.2 This paper gives a brief introduction of the CNS&ATM workshop and training, which was held in Nanjing, China, from May 12 to 25, it is a kick-start of task 2.

2. DISCUSSION

Preparation

2.1 In June 2023, the Air Traffic Management Bureau (ATMB) of CAAC initiated the training program with the agreement of AAC, which planned to be provided at no cost to all ANSPs in APAC region.

2.2 With the strong support of APAC Regional Office and Regional Sub-Office, the questionnaire of the training program was delivered to AAC members.

2.3 Based on the feedbacks of questionnaire, ATMB decided to implement the training program as schedule. The program was structured with one week of training, followed by one week of technical discussion.

Implementation

2.4 The workshop and training were co-hosted by ATMB and Industry of China.

2.5 There were 28 participants joined the workshop and training from 6 States/Administration, including Hong Kong China, Laos, Maldives, Singapore, Thailand, and Vietnam.

2.6 A total of 18 experts had given lectures in the workshop and training with warm discussion from participants.

2.7 23 topics had been shared in the workshop and training, including: Overview of CNS & ATM in China, Strategy and guarantee on CNS technology and equipment construction, Operation and Maintenance System of ATMB CNS Equipment, Training Framework and Competency Management of the CNS Technician, National Flow Management System of China, Application and Development of Datalink, Introduction and discussion of the ATM Automation System, GBAS, mode-S Radar/MLAT, Big Data, SWIM, TBO, AI and so on.

2.8 During the workshop sessions, participants took a visit to Qingpu ACC and Pudong Tower, location in Shanghai.

Outcomes

2.9 The workshop and training have been successfully accomplished, with the overwhelming support of APAC Regional Office and Regional Sub-Office, and AAC members. Both participants and lecturers shared the same view that it is helpful in enhancing communication and understanding among ANSPs.

2.10 The questionnaire after the program showed that all participants thought the contents of the program were helpful. Additionally, they were more interested in the following topics:

- (1) The Operation and Maintenance System of CNS, the Training Framework, and the Competency Management of CNS technician of ATMB.
- (2) The new technology, such as Digital Twin, Remote Tower, AI and 5G AEROMACS technology, which fits with the current popularity of these topics.

2.11 At the same time, all participants hoped to have more workshops and trainings, and further cooperation projects among ANSPs.

2.12 This workshop and training are a good start for the APAC ANSPs to strengthen technical exchange and cooperation under the cooperation framework of the AAC.

2.13 Participants made the project more meaningful by sharing knowledge and experience with other ANSP's representatives. Which will be helpful for ANSPs to work together, to promote the implementation of APAC Seamless ANS plan.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) It is recommended that AAC members actively involve in host and participate in subsequent workshop or training.
- c) discuss any relevant matters as appropriate.

.....