INTERNATIONAL CIVIL AVIATION ORGANIZATION

REPORT
OF THE THIRD MEETING OF THE
ASIA AND PACIFIC (APAC)
AIR NAVIGATION SERVICE PROVIDER (ANSP)
COMMITTEE
(AAC/3)

Chengdu, China, 8-10 July 2024

Approved by the Meeting
and published by the ICAO Asia and Pacific Office, Bangkok

CONTENTS

APPENDIXES

INTRODUCTION

Meeting

1.1   The third Meeting of the APAC ANSP COMMITTEE (AAC/3) was held in Chengdu, China, on 8-10 July 2024. The meeting was also coincided with the CANSO Asia Pacific Conference 2024 event scheduled from 8 to 11 July 2024 at the same venue in Chengdu, China.

1.2   On the first day, all four work streams held parallel discussions, while the full committee meeting was conducted on the second day.

Attendance

2.1   The meeting was attended by eighty nine (89) participants from Australia, Cambodia, China, Hong Kong China, Macao China, Fiji, France, Japan, Malaysia, Maldives, Mongolia, New Zealand, Papua New Guinea, Philippines, Republic of Korea, Singapore, Thailand, United States of America, Vietnam, IFATCA, CANSO, IATA, and ICAO.

2.2   A list of participants is appended at **Appendix A** to this report.

Secretariat

3.1   Mr. Raphael Guillet, Chief of ICAO APAC RSO, assisted by Ms. Ying Zhang, Deputy Chief and Mr. Xu Zhi Feng, ATM Regional Officer, acted as the Secretary for the Meeting.

Documentation and Working Language

3.2   The working language of the meeting and all documentation was English, inclusive of all documentation and this Report. The meeting documentation is available at the ICAO APAC Office website: https://www.icao.int/APAC/Meetings/Pages/2024-AAC-3.aspx

REPORT ON AGENDA ITEMS

Agenda Item 1: Opening of the Meeting

1.1   The Chair of APAC ANSP Committee, Mr. HAN Kok Juan, Singapore, Civil Aviation Authority of Singapore (CAAS), Director General opened the meeting and thanked ATMB of CAAC China for hosting the meeting; and with the Vice-Chairs: Mr. MIAO Xuan, China, Air Traffic Management Bureau (ATMB) of Civil Aviation Authority of China (CAAC), Mr. Nopasit CHAKPITAK, Thailand, AEROTHAI, President; Deputy Director General; Mr. Marc HOUALLA, France, French Polynesia, Director of the French Polynesia Civil Aviation Services and Mr. Poh Theen SOH, CANSO, Director Asia Pacific Affairs, welcomed the participants to the meeting.

1.2   The Chairman highlighted that the work of the AAC is complementary to the ICAO APAC APANPIRG and CANSO activities.

1.3   The ICAO APAC Regional Director, Mr. MA Tao, provided opening remarks and welcomed all participants to the Meeting.

<u>Adoption of the Agenda</u>

1.4   The meeting adopted the Agenda as shown below:

Agenda Item 1: Opening of the meeting
Opening Remarks by Chair, Vice-Chairs, and APAC Regional Director
Review of the Terms of References

Agenda Item 2: Presentation of the CANSO APAC ATM White Paper

Agenda Item 3: AAC Work Programme

Agenda Item 4: Discussion on Working Papers

Agenda Item 5: Any other business

Agenda Item 6: Next meeting

<u>Review of the Terms of References</u>

1.5   The meeting approved the *Terms of Reference* of the AAC as proposed in the WP2 and agreed to submit it for adoption at the upcoming DGCA 59/October 2024 / Cebu, Philippines. The committee will then be extended for two more years.

Agenda Item 2: Presentation of the CANSO APAC ATM White Paper

<u>CANSO APAC ATM White Paper</u> *(WP03, CANSO)*

2.1   CANSO presented the CANSO APAC ATM White Paper published in February 2024, which is deemed highly relevant to the APAC ANSP COMMITTEE; hence, CANSO introduced the key elements of the Asia-Pacific ATM White Paper with the purpose of improving the status quo:

- Search for what more can be done;

- New collaborations from greater digitalisation;

- New service offerings - cost-effective and easy to implement;

- Direction for a stronger regional ATM community.

Agenda Item 3: Work Program

3.1   The four Work Streams met on the first day in parallel meeting rooms to review the progress of the implementation of their tasks and reported to the meeting of the whole on the second day.

Outcomes of WS 1 *(WP04, WS1 leads)*

3.2   The WS1 leads presented the progress of the 9 tasks of WS1. Three tasks (1, 5 and 6) have been completed and the six others are ongoing. Several documents have been drafted and presented to the meeting for discussion: "The ANS System Procurement Guidance Outline", "Library of Guidance Material for Planning, Procurement and Implementation of ANS Systems".

3.3   Singapore shared its approach for Next Gen ATM system and FF ICE/R1implementation exploration, and would like to share excerpt of the FF ICE/R1 ops/system requirements that had been co developed with MITRE.

3.4   China, Singapore, and Thailand took in-depth discussions on task 4 about the new technologies for cross border trials, and reach a preliminary opinion of trial plan.

Implementation of CNS&ATM Workshop and Training *(WP05, WS1)*

3.5   WS1 gave a brief introduction about the implementation of the CNS&ATM workshop and training, co-hosted last May by ATMB and Industry of China. There were 28 participants from 6 States/Administration and the workshop addressed the following topics: Overview of CNS & ATM in China, 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.

3.6   Both participants and lecturers shared the same view that this kind of training is helpful in enhancing communication and understanding among ANSPs. It is recommended that AAC members actively involve in hosting and participating in subsequent training programs or workshops.

Outcomes of WS 2 *(WP06, WS2 leads)*

3.7   The leads of WS 2 presented the progress of the first two tasks of WS2. The first task was about the survey answered by 12 AAC members and about defining priorities. The WS2 decided 7 priorities: a. SWIM b. FF ICE c. TBO d. ATFM e. Extended AMAN f. AMAN/DMAN and proposed way forward. Regarding the second task on TBO, more information was provided in the below WP07.

3.8   Republic of Korea informed the meeting that they would like to participate in WS2.

<u>Asia-Pacific Trajectory Based Operations Pathfinder Project (WP07, WS2)</u>

3.9   Relevant States presented an update on the Asia-Pacific Trajectory Based Operations (APAC TBO) Pathfinder Project - a collaborative effort between Air Navigation Service Providers (ANSPs) from China, Indonesia, Japan, New Zealand, Philippines, Singapore, Thailand, United States of America and Viet Nam, and Ministry of Land, Infrastructure and Transport of the Republic of Korea, CANSO and IATA.

3.10   Initiated under WS2, the Asia-Pacific Trajectory Based Operations (APAC TBO) Pathfinder Project aims to harmonize and accelerate States' implementation of the ICAO global TBO concept. Through collaborative efforts to identify operational values and prioritization of operational scenarios at the regional level, the Project will provide greater clarity on the expected benefits as well as feasible roadmaps to operationalize TBO in Asia-Pacific. In collaboration with CANSO and IATA, it allows ANSPs in the APAC region and airlines to harmonize their planning and modernization efforts, and improve flight and overall air traffic management efficiency across the region.

3.11   At the kick-off meeting of the Pathfinder Project on 3-5 April 2024, participants representing the ANSPs shared information about their TBO deployment plans and its enablers, including SWIM, FF-ICE and Connected Aircraft. IATA also shared airlines' perspectives and needs. These and numerous past virtual meetings and discussions over emails culminated into an agreement for a common vision and approach.

3.12   AAC members were encouraged to continue the support of this project by ensuring availability of experts and other resources as needed to accelerate operationalization of TBO in Asia-Pacific.

<u>Outcomes of WS 3</u> *(WP08, WS3 leads)*

3.13   WS3 has focused its efforts on the completion of task 1, 3 and 6. WS3 has developed the draft APAC Regional Contingency Framework, and come up with the contingency arrangements playbook template as part of the draft APAC Regional Contingency Framework in collaboration with WS4 and ICAO Montreal. This document was discussed at the recent ICAO APAC/MID ATM Contingency Planning Workshop at the end of June in Bangkok and will be further discussed at the ATM/SG meeting in future.

3.14   Tabletop exercises were recently conducted at APAC ATM Contingency Tabletop Exercise (28 June 2024, Bangkok) with wider participation from many APAC States, to help facilitate a higher readiness level for the region to deal with unplanned events. WS3 recommends holding in person tabletop exercises annually to validate regional plans and assess regional readiness.

3.15   The other tasks were presented. Although most of the tasks of WS3 have been completed the WS is of the opinion that continuous efforts on this subject is needed, thus the members agreed to continue working on this subject. Focus next shall be given on the utilizing of electronic platform for sharing of Operational Contingency Plans (OCPs) as well as information / documents by all ANSPs in APAC region.

<u>Outcomes of WS 4</u> *(WP07, WS4 leads)*

IATA presented the progress of the task 1 on FRA. The start of trial of end-to-end free route options (or user preferred routes) for city pairs in Southeast Asia and Oceania is scheduled for 5 August 2024.

Regarding task 2 on CDO/CCO, India is leading but could not attend the meeting. On this task, Airservices Australia indicated that they were eager to join. France then informed the meeting that task 3 (development the ATM system interoperability document) has well progressed with the version 0.15

of the interoperability document. Some tweaks have to be provided to the document to be agreed by Japan. Many countries expressed the fact that they needed this document quickly and asked France, India, Japan and New Zealand to finalize the interoperability document as soon as possible. France reminded the audience that this document will be a non-binding document for Oceanic. Task 4 regarding contingency plan has been transferred to WS3. And a new task on utilizing space based ADS B /Very High Frequency (ADS B/VHF) has been created and India will lead it. Papua New Guinea indicated that they were eager to share its experience on this subject.

3.16   The Secretariat invited all the ANSPs in the room willing to join any work stream to directly contact the leads or the Secretariat in order to ensure they receive the invitations for next online and onsite meetings.

3.17   The Secretariat invited all the Leads of work streams to update by the end of next week the AAC work assignment excel file with the list of their members and the implementation progress of their tasks.

Agenda Item 4: Discussion on Working Papers

ATM Update by the ICAO APAC Regional Sub-office *(WP10, Secretariat)*

4.1   ICAO updated the ATM activities planned in the coming months by the ICAO Regional Sub-office to facilitate the implementation of the Air Navigation Service elements in the APAC Region: Free Route Airspace (FRA) Implementation Workshop on 13 Nov, Capacity Assessment Workshop on 14 November, Civil-Military Cooperation in ATM / FUA Webinar on 20-21 November, UAS/RPAS webinar on 11 -12 December.

4.2   The AAC Member States/administrations were invited to provide feedback on the draft version of the Asia/Pacific Seamless ANS Plan V4.0; provide speakers for the upcoming Workshops/Webinars above and promote the events to the target participants.

Agenda Item 5: Any other business

4.3   Nothing was raised by participants.

Agenda Item 6: Next Meeting

6.1   The meeting agreed that each WS should keep working through online discussion. It is proposed to have an online meeting with Chair/Vice-chair & WS leads in November 2024 to discuss and synchronise the program's progress.

6.2   The time and venue for the next in-person meeting have not yet been determined but could be held in Feb/Mar 2025. States wishing to host the next AAC/4 meeting are invited to contact the Secretariat.

The Chairman concluded the meeting by thankings all participants for their efforts in progressing their

tasks. He also highlighted that several States were joining the committee for their first time and showed interest in joining some workstreams.