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**AGENDA ITEM 8: CAPACITY DEVELOPMENT
AND IMPLEMENTATION**

CHINA LEADS MULTIPLE KEY TASKS UNDER WS1 OF AAC

(Presented by the People's Republic of China)

INFORMATION PAPER

SUMMARY

The first Work Stream (WS1) of the APAC ANSP Committee (AAC) is co-led by China and Thailand. Since 2023, China has taken the lead in drafting nine tasks for WS1 and organized multiple key tasks.

CHINA LEADS MULTIPLE KEY TASKS UNDER WS1 OF AAC

1. INTRODUCTION

1.1 To strengthen cooperation and exchange among Air Navigation Service Providers (ANSPs) in the Asia-Pacific (APAC) region, and accelerate the implementation of the APAC seamless ATM plan, AAC adopted a framework to organize the work into four work streams based on areas of priority. The objective of the first Work Stream (WS1) is "Stepping up investments in ANS capacity and capabilities and sharing requirements and best practices in the procurement of ANS system", co-led by China and Thailand.

1.2 Focusing on the areas of WS1 priority, members of the WS1 formulated 9 tasks. The tasks were formally approved at the AAC online meeting in June 2023, and China has taken the lead in multiple key tasks under WS1 ever since.

2. DISCUSSION

2.1 Out of the 9 tasks under WS1, the 2nd task, co-led by China and Singapore, aims to "pursue sustained technical cooperation including expert lectures and on-site technical assistance in line with the Asia-Pacific Cooperation Plan for Capacity Building and Capacity Enhancement". The task targets the improvement of ANS capacity and capabilities, and accelerates the implementation of the ICAO APAC Seamless ATM Plan collaboratively. Over the past two years, China has already held two technical workshops.

2.2 The first CNS/ATM workshop and training session of 2024 was held in Nanjing from May 12 to 25. A total of 18 experts gave lectures and participants engaged in vigorous discussions. There were 28 participants from 6 States/Administration, including Hong Kong China, Laos, Maldives, Singapore, Thailand, and Vietnam.

2.3 Topics of the first workshop were listed as follows: overview of CNS & ATM, 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 Technicians, National Air Traffic Flow Management 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.

2.4 Post-event questionnaire results indicated that all participants deemed the training content highly beneficial. Participants showed particular interest in Operation and Maintenance System of CNS, Training Framework and Competency Management of CNS technician, as well as emerging technologies including Digital Twin, Remote Tower, AI and 5G AEROMACS, which align with current industry development trends.

2.5 The second CNS/ATM workshop and training session of 2025 was held in Chengdu from Nov. 3 to 14. A total of 15 experts gave lectures in the workshop and participants engaged in vigorous discussions. There were 24 participants from 5 States/Administration, including Hong Kong China, Malaysia, Singapore, Thailand, and Vietnam.

2.6 Based on the feedback collected from the questionnaire of the first workshop, the topics arranged for the second workshop cover Training Framework and Competency Management of the CNS Technician, A/G Communication Application, Navigation System, Remote Digital Tower, Tower ATM Automation System, Digital Twin & AI Technologies, Total Airport Management System, Comprehensive Solution for the Complex Electromagnetic Environment of Aeronautical Radio Aids.

2.7 Out of the 9 tasks of WS1, the 8th task aims to draft ANS System Procurement Guideline, to guide ANSPs in the Asia-Pacific region in relevant equipment procurement and project implementation. Co-led by China and Singapore, the “ANS System Procurement Guideline” has been drafted and reviewed during WS1 group meeting of AAC3. China and Singapore have submitted the working paper to CNS SG/30 in 2026.

2.8 The ANS system procurement procedures might be divided into six stages: planning, site-selection, budgeting and approval, tendering, implementation, operation. This guideline specifies key work items, technical considerations and management experience for each phase.

3. ACTION BY THE CONFERENCE

3.1 The Conference is invited to note the information contained in this Paper.

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