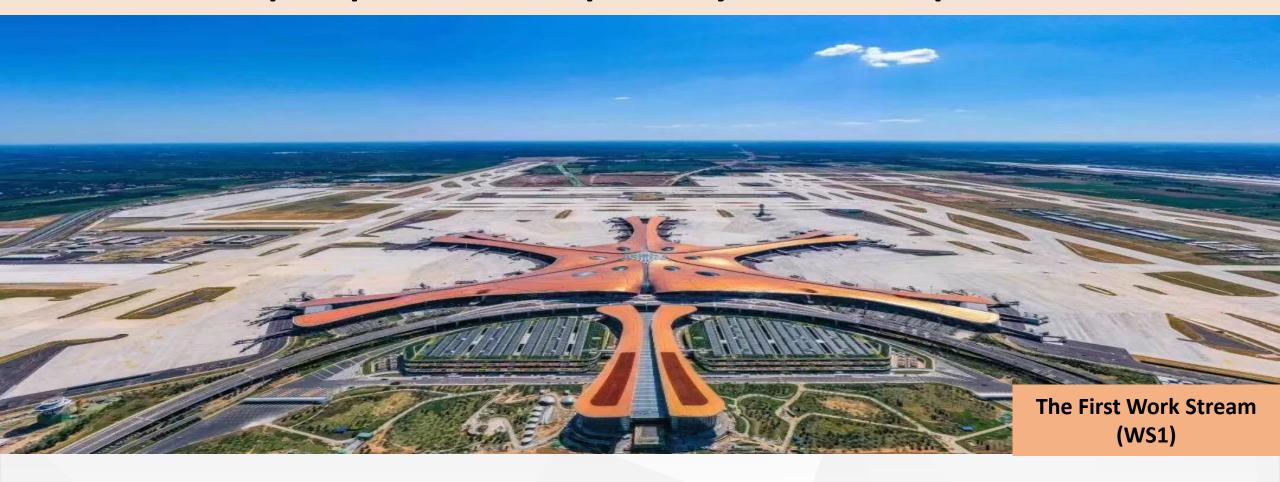
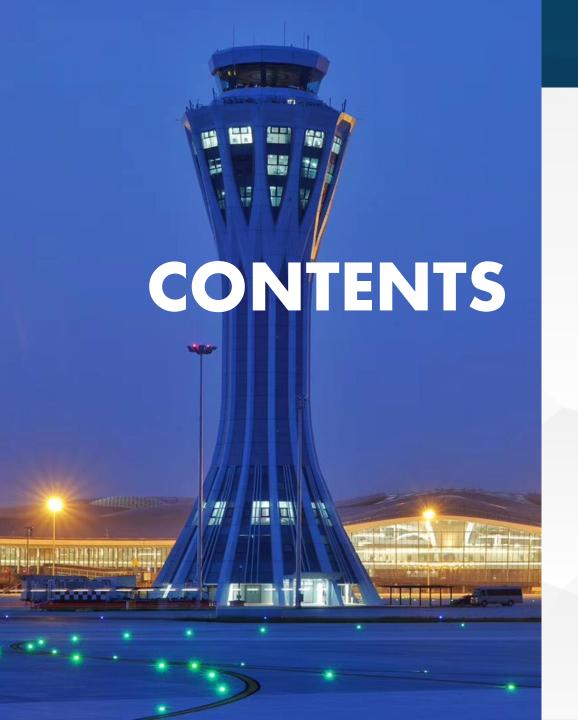
# The Collaboration Plan to Step up ANS Capacity and Capabilities





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## >> Introduction

The inaugural APAC ANSP Committee (AAC) meeting adopted a framework to organize the work of the Committee into **four work streams**, each focusing on an area of priority.

The first work stream (WS1) area of priority is "Step up investments in ANS capacity and capabilities and share requirements and best practices in the procurement of ANS systems".

Focusing on the aims and objective of the work stream, WS1 drafted the planned tasks, which had been approved in the online AAC meeting on June 15<sup>th</sup>.



#### Tasks of Work Stream 1

Number	Description	Lead	Participants	Priority	Deliverable	Target date
1	To formulate a scheme of collaboration on capacity building and technical assistance among ANSPs.	China, Singapore	ANSPs	I	A collaboration plan to work with ICAO APAC Regional Office to provide training (e.g installation and data exchanges) and technical assistance (e.g equipment spares)	2023
2	To handle capacity building and technical assistance among ANSPs.	China, Singapore	ANSPs	Н	A programme involving ANSPs or experts to provide the training and/or assistance according to the collaboration plan	Start from 2023
3	To explore new technology in facilitating regional ANS modernization, with the involvement of ATM technology industry.	Singapore, Thailand	ANSPs, ATM technology industry	М	Recommendation of new technology to be applied in ANS for the APAC region.	Start from 2023
4	To create collaborative platforms in new technology for cross-border trials, to facilitate regional ANS modernization, with the involvement of ATM technology industry.	China, Thailand	ANSPs, ATM technology industry	М	A platform in new technology for cross-border trials.	Start from 2023
	To gather ANSPs needs and plans for ANS systems digitalization/modernization and explore the feasibility and requirements.	China, Singapore	ANSPs	Н	A living document, capturing state/administration plans and status for ANS system digitalization/modernization.	Start from 2023
	To collaborate to organize an APAC Innovation and Capacity Building Symposium to build capacity and promulgate innovative technologies for ANS digitalization.	APAC Regional Office, Hong Kong China	ANSPs	н	A symposium.	2023
/	To encourage ANSPs to share experiences and best practices in ANS systems planning, procurement, implementation, maintenance and whole-life management.	APAC Regional Office, Thailand	ANSPs	М	ANSPs in the AAC to share their experience from system implementation in subsequent AAC forums and/or other relevant meetings or forums	Start from 2023
8	To draft a common ANS system procurement checklist for ANSP consideration in APAC region.	China, Singapore	ANSPs	М	A guiding checklist for ANS system procurement with established review cycle to maintain its relevance to current ANS requirements	Start from 2023
9	To take stock on the guidance materials available from ICAO APAC and CANSO related to ANS systems, and consolidate a library of guidance materials with classification, that could facilitate ANSPs to make reference in their planning, procurement and implementation of ANS systems.	APAC Regional Office, Hong Kong China	ANSPs	М	An e-library of guidance materials with classification.	2024



## >> The Collaboration Plan

Out of the 9 tasks of WS1, the first task has been set as high priority with a delivery targeted by of this year. The deliverable is a collaboration plan to work with ICAO APAC Regional Office to provide training and technical assistance through programmes involving ANSPs and their experts.

China and Singapore took the lead and worked closely with each other to complete the drafting of the Collaboration Plan. It had been circulated in WS1 for comments.

The Collaboration Plan (Version 0.1) is proposed to be discussed in this meeting, which has been incorporated with the feedbacks from Hong Kong China.



## >> The Collaboration Plan

Asia-Pacific Air Navigation Service **Provider Committee (AAC) Collaboration** Plan to Step up Capacity and Capability for ANS Systems

> By China and Singapore, in collaboration with Members of AAC Work Stream 1

> > Version 0.1

Date: 28 August 2023

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## >>> The Collaboration Plan – Scopes of Collaboration

Focusing on improving personnel's capabilities, and maintaining ANS systems' robustness, availability, and efficiency, the scopes of collaboration are recommended as follows:

## a) Training of Personnel

- ✓ ATM/CNS personnel quality and capability are pivotal factors to providing safe, efficient, sustainable, and resilient ANS.
- ✓ ANSPs should continue to commit resources to ensure a steady availability of training courses in the region.
- ✓ ANSPs are encouraged to share their training course in the region, including skills improving, experience sharing, new technology introduction, etc.



## >>> The Collaboration Plan – Scopes of Collaboration

## b) Technical assistance

- ✓ On-site technical assistance is encouraged among ANSPs as it is a more impactful means for the sharing and transmission of expertise.
- ✓ The pooling of knowledge of experts also paves the way for collective advancement and growth.
- ✓ Technical assistance to ANSPs can include providing on-site support in ANS systems troubleshooting, data adjustment, flight check, equipment installation, etc. Concurrently, secondment of experts can also be considered.



## >> The Collaboration Plan – Scopes of Collaboration

## c) Spare parts support

- ✓ Most life cycles of ANS systems' spans for more than 10 years, production of components and spare parts maybe discontinued when the system is still in service.
- ✓ As ANSPs upgrade their systems, there might be opportunities for ANSPs to share their spare part stockpiles of the decommissioned systems.
- ✓ This sharing enhances resources management and contribute to the solidarity of AAC family.



## >> The Collaboration Plan – Scopes of Collaboration

## d) Procurement support

- ✓ Investments in ANS systems are significant capital expenditure and require in-depth knowledge and rigorous studies to find the most cost-effective solutions.
- ✓ ANSPs are encouraged to work together to share requirements and best practices in the procurement of ANS systems.
- ✓ ANSPs are also encouraged to co-ordinate to procure ANS systems together to achieve potential benefits, such as cost savings, smoother integration and avoiding vendor lock-in.



## The Collaboration Plan – Roles of Stakeholders

The successful collaboration relies on the goodwill contributions of 3 main groups of stakeholders.

#### a) Asia-Pacific ANSP Committee (AAC)

- -- Provide direction and guidance of collaboration scope and implementation.
- -- Assess offers and requests of ANSPs with the support of secretariat team.
- -- Monitor and review collaboration progress and accomplishments.

#### b) Asia-Pacific ANSPs

- -- Provide resources and expertise to support the collaboration plan.
- -- Request support under the collaboration plan.

#### c) ANS System Vendors

-- Provide technical advice and support, where applicable, under the collaboration plan.

## >> The Collaboration Plan – Implementation Process

### **Planned Collaboration Programmes**

#### a) Assistance/requests programmes submission

- -- The requesting ANSPs are to submit their assistance request(s) with details to the AAC in advance.
- -- ANSPs planning to offer assistance, such as training course, technical, etc. should furnish the details.
- -- It is recommended the ANSPs introduce its assistance/requests programmes in the annual AAC meeting, which have been passed evaluated by the assessment team.

#### b) Assistance/requests programmes assessment

-- It is recommended that a secretariat team be set up within the AAC to; collate, preliminarily classify, filter the assistance/requests programmes, and support the AAC in decision making.

#### Assistance/requests programmes approval

-- The AAC with assistance from the secretariat team will formulate and endorse the planned collaboration programmes for the coming year.



## The Collaboration Plan – Implementation Process

## **Ad-hoc Collaboration Programmes**

- -- The ad-hoc collaboration programmes are mostly requests for ad-hoc on-site technical assistance or spare parts support.
- -- Considering the convenience and efficiency, it is encouraged that the requesting ANSP collaborate directly with their desired assisting ANSP and inform AAC.



## The Collaboration Plan – Summary of Collaboration

## **Annual Review**

- -- In order to conclude and share the whole-year collaboration achievements among ANSPs, it is recommended that a wrap up of the collaborations programmes accomplished, including quantities, experiences and suggestions, etc. be incorporated into the agenda in the annual AAC meeting.
- -- The wrap up of the collaborations programmes would be valuable for the assessment of the effectiveness of the programmes as well as identification of any rooms for enhancement.



# Action by the meeting

## The meeting is invited to:

- -- Note the progress of the work of the first work stream;
- Discuss the Collaboration Plan (Version 0.1) and provide any recommendation.

