

**INTERNATIONAL CIVIL AVIATION ORGANIZATION**



**REPORT**  
**OF THE FIRST MEETING OF THE**  
**ASIA AND PACIFIC (APAC) AIR NAVIGATION SERVICE PROVIDER (ANSP)**  
**COMMITTEE**  
**(AAC/1)**

Bangkok, 17-18 April 2023

The views expressed in this Report are those of the Meeting  
and not the Organization

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

## **INTRODUCTION**

### **1. History of the Meeting**

1.1. The 57th Conference of Directors General of Civil Aviation, Asia and Pacific Regions, which took place in July 2022 in Incheon, Republic of Korea, agreed on the Action Item 21:

“a) forming a committee of ANSPs, involving CANSO and IATA, to cooperate in the implementation of regional Air Navigation Services (ANS) initiatives including the ICAO Asia/Pacific Seamless ANS Plan;

b) coordinate with ICAO for the purposes of aligning the activities of the committee with the Asia/Pacific Seamless ANS Plan and informing APANPIRG and DGCA Conference of activities and progress”.

1.2. Consequently, to the above, the ICAO Asia and Pacific (APAC) Office hosted the First Meeting of the APAC ANSP COMMITTEE (AAC/1) at the Regional Office in Bangkok, Thailand, on 17-18 April 2023.

### **2. Attendance**

2.1. Eighty three (83) participants joined the Meeting from twenty (20) Member States/Special Administrative Regions and two (2) International Organizations. The list of registered participants is at Appendix A to this Report.

### **3. Officers and Secretariat**

3.1. Mr. Raphael Guillet, Chief of the ICAO APAC Regional Sub-Office, acted as Secretary for the Meeting, assisted by staff from the ICAO APAC Office.

### **4. Language and Documentation**

4.1. The working language of the Meeting 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/2023-AAC-1.aspx>

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## **REPORT ON AGENDA ITEMS**

### **1. Agenda Item 1: Opening of the meeting and working arrangements**

1.1. The Secretary officially opened the Meeting at 14:00 hrs in Bangkok on 17 April 2023. The ICAO APAC Regional Director, Mr. MA Tao, provided opening remarks and welcomed all participants to the Meeting.

#### **Adoption of the Agenda (WP1)**

1.2. The Meeting adopted the Agenda as shown below:

Agenda Item 1: Opening of the meeting and working arrangements

Agenda Item 2: Presentation on the key ANS implementation challenges in APAC

Agenda Item 3: Work Program

Agenda Item 4: Any other business

Agenda Item 5: Next meeting

#### **Adoption of the Terms of Reference (WP2)**

1.3. The Meeting reviewed the draft Terms of Reference (ToR) document, as circulated by the Secretariat with the Meeting invitation letter (Ref: SP 34 – AP0007/23 (RSO), 19 January 2023).

1.4. The Meeting considered proposed amendments to the draft and adopted the ToR document as shown at the Appendix B to this Report.

#### **Election of Co-Chairs of the Group**

The Meeting adopted the following arrangements:

- Chair : Mr. HAN Kok Juan, Singapore, Civil Aviation Authority of Singapore (CAAS), Director General
- Vice-chairs :
  - Mr. Nopasit CHAKPITAK, Thailand, AEROTHAI, President
  - Mr. MIAO Xuan, China, Air Traffic Management Bureau (ATMB) of Civil Aviation Authority of China (CAAC), Deputy Director General
  - Mr. Marc HOUALLA, France, French Polynesia, Director of the French Polynesia Civil Aviation Services
  - Mr. Poh Then SOH, CANSO, Director Asia Pacific Affairs

1.5. The Chairs and Vice-chairs addressed remarks to the Meeting.

### **2. Agenda Item 2: Presentation on the key ANS implementation challenges in APAC**

#### **Presentation on the key Air Navigation Services implementation challenges in APAC (SP1/Secretariat)**

2.1. The Secretary highlighted the governing bodies in the APAC region; APANPIRG

being the group reporting to ICAO Council on all ANS matters. Since the adoption of the Beijing Declaration in 2018, APAC States have made progress on their commitments' implementation but more could be done. The APAC ANSP Committee could be a forum where ANSPs will strengthen their regional collaboration to expedite the implementation of the targets of the APAC Seamless ANS plan. The review of this document has started, will be discussed in the various sub-groups of APANPIRG and the new version will be submitted to APANPIRG in November 2023 for approval.

### **3. Agenda Item 3: Work Program**

3.1. The meeting reviewed all the following working papers. For sake of clarity, main comments have been included after each WP.

#### *Asia Pacific connected aviation through digitalization and policy recommendations to Asia Pacific Ministerial Conference (WP3, CANSO)*

3.2. The WP received the support from USA, Hong Kong China, Singapore, Japan, China, Thailand and IATA.

3.3. Regarding the establishment of an ANS digitalization start-up fund from State contributions, Hong Kong China highlighted that some ANSPs in this region have established Government rules to make similar contributions into the start-up fund, while individual ANSP making contributions should be answerable to the deliverables or outcomes of the fund. Moreover, for ANSPs adopting the ICAO's user-pay principle and recovering the contributions from en-route navigation charges, they may need to consult airspace users (e.g. IATA). Japan commented that the establishment and management of such fund should be fully discussed in the ICAO conference body, like APANPIRG.

3.4. CANSO proposed that the Declaration to be adopted at the next Ministerial Conference in New-Delhi, India on 20-21 September could include some messages related to ANS enhancements. ICAO added that a working group of DGs will be set-up by the end of April to work on the drafting of this declaration and that inputs could be forwarded to this group.

3.5. ICAO stated that a group of States can make proposal at the APANPIRG meeting to improve its structure.

#### *Creation of an oceanic working group within the APAC ANSP Committee (WP4, France)*

3.6. The WP received the support from Japan, Philippines, USA, Singapore, IATA, Hong Kong China, Indonesia and Thailand. Hong Kong China commented that the outcomes from the Oceanic Working Group will be useful for incorporation into the existing APAC Seamless ANS Plan." The meeting agreed with the proposed framework comprising three collaboration workstreams for the oceanic ICAO APAC ANSP working group: Collaboration on the ecological transition of aviation - Enhancement of ATM sustainability, Collaboration on ATM systems interoperability and contingency planning and Collaboration on enhancing capacity and safety. Several ANSPs pointed out that this new group should not overlap with existing groups.

#### *JCAB's International Cooperation Activities (WP5, Japan)*

3.7. The meeting recognised the importance of inter-regional cooperation in APAC region, which is the basic principle of Seamless ANS Plan. CANSO also asked how it would be possible to apply for projects with JICA. Malaysia thanked Japan for the cooperation.

#### *The long term vision for the future of air traffic systems of Japan (CARATS) (WP6, Japan)*

3.8. The meeting recognised the importance of further developing the field of air navigation by conducting international cooperation activities among states and promoting harmonised

development in the APAC region.

*Remote towers and remote towers center implementation in Malaysia (WP7, Malaysia)*

3.9. Singapore, Philippines, Australia, Thailand and Hong Kong China supported the use of digitalization in this example of remote tower. The meeting agreed that the APAC ANSP Committee is the right forum for ANSPs to share information on their experience and knowledge related to the introduction and implementation of remote towers and centres.

*AEROTHAI focus areas (SP2, Thailand)*

3.10. The meeting agreed that the three topics addressed in the WP, Safety, ATFM and TBO are good examples for collaboration within the committee.

*Multi-Regional TBO demonstration (WP8, Japan, Singapore, Thailand and USA)*

3.11. The meeting agreed that collaboration among several ANSPs on a specific topic like TBO could be one of the tasks of the committee.

*Common Challenges and Collaborative Solutions (WP9, China)*

3.12. The meeting supported the idea to include in a work stream a task on capacity building/ technical assistance and support through training and exchange of staff among ANSPs. Hong Kong China and Singapore supported the paper.

*Optimizing User Preferred Route implementation (WP11, Indonesia)*

3.13. Malaysia and Singapore supported the paper and are ready to collaborate. IATA pointed out that a lot of cases already exist in the region and could be expanded to other parts of the APAC region. The meeting agreed to engage on User Preferred Route (UPR) initiative in this committee.

*Regional Free Route Implementation forum (WP12, Mongolia)*

3.14. On the proposal of Mongolia to host a free route airspace implementation forum in Ulaanbaatar, Mongolia, in October or November of 2023, the Secretary proposed that ICAO APAC RSO would first start with a regional webinar in 2023.

*Proposed Framework and Focal Areas of the ICAO APAC ANSP Committee (WP10, Singapore and Thailand)*

3.15. After discussions of all the WPs, the APAC ANSP Committee agreed to adopt a framework to organize the work of the Committee into four work streams based on areas of priority. Working groups comprising representatives from ANSPs, CANSO, IATA and other recognised bodies of ICAO will be set up to initiate work programmes under each work stream.

3.16. The first work stream is **“Step up investments in ANS capacity and capabilities and share requirements and best practices in the procurement of ANS systems”**. The working group for this area of priority will be led by China and Thailand. Under this area, the Committee agreed also, amongst other things, to set up an Asia Pacific ATM technology collaboration framework (WP/3); and collaborate on capacity building and technical assistance which includes training and exchange of personnel among ANSPs (WP/9).

3.17. The second work stream is **“Accelerate the development and implementation of**

**Seamless ANS and collaborate on green initiatives to enhance ANS Sustainability**". The working group for this area of priority will be led by Hong Kong China, Singapore and Thailand. Under this area, the Committee agreed also, amongst other things, to review existing processes to make ANS implementation easier (WP/3); collaborate on establishing the key trajectory-based operations (TBO) building blocks, including system wide information management (SWIM) and flight and flow information for a collaborative environment (FF-ICE) to support the development and realisation of TBO in APAC (WP/8); and collaborate on the implementation of initiatives such as remote towers (WP/7), user-preferred routes (WP/11), and free route airspace (WP/12).

3.18. The third work stream is **"Collaborate on business continuity and contingency planning"** (WP/10). The working group for this area of priority will be led by Japan, Malaysia and the United States. Under this area, the Committee agreed also, amongst other things, to collaborate in areas such as training, information sharing as well as holding combined exercises that cover different aspects of the business continuity and contingency plans (WP/10).

3.19. The fourth work stream is **"Formation of an Oceanic Working Group specifically focusing on the operations of the oceanic ANSPs"**. The working group for this area of priority will be led by France, Philippines and IATA. Under this area of priority, the Committee agreed to collaborate on ecological transition and ATM sustainability; ATM systems interoperability and contingency planning; and enhancing capacity and safety (WP/4).

3.20. The Secretary proposed a Work Assignment table with a template of tasks to be defined in each working group. The Secretary will distribute this table to all APAC ANSPs and International Organizations asking for nomination of representatives by the end of April 2023. The Leads of each work stream will then convene specific online meetings in May to define and confirm the tasks.

#### **4. Agenda Item 4: Any other business**

4.1. Nothing to report.

#### **5. Agenda Item 5: Next meeting**

5.1. The meeting agreed to have an online meeting mid-June with all the Leads to review the defined tasks of their work streams and to ensure that there is no overlap among work streams. The Secretary will organize the meeting.

5.2. The next in-person meeting should take place before the next DGCA/58 on 11-15 October 2023 in Dhaka, Bangladesh. The Regional Office will approach the Host State to see if it is possible to get a room the day before. The meeting also agreed to host an online meeting in Jul/Aug if needed.

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**List of Participants**

NAME		TITLE/ADMINISTRATION
<b>1. AUSTRALIA</b>		
1.	Mr. David James Wells	Head of Transformation Western Sydney, International Airport, Airservices Australia
<b>2. BRUNEI DARUSSALAM</b>		
2.	Mr. Mohamad Fauzi Mohamad Sidek	Deputy Director Department of Civil Aviation
3.	Mr. Hafizul Hamid	Officer Department of Search and rescue, Civil Aviation
<b>3. CAMBODIA</b>		
4.	Mr. Saichon Pingsakul	Senior Director, ATS Operation Support Cambodia Air Traffic Services
<b>4. CHINA</b>		
5.	Mr. Xuan Miao	Deputy Director General, ATMB of CAAC
6.	Mr. Fang Tian	Director, International Cooperation Division, ATMB of CAAC
7.	Mr. Yonggang Yan	Director, ATC Division of ATMB of CAAC
8.	Mr. Long Hao	Administrator, International Cooperation ATMB of CAAC
9.	Mr. Min Cui	Deputy Director ATS & AIS Division of ATRO, CAAC
10.	Mr. Ruoyuan Wang	Deputy Director, CAAC
<b>5. HONG KONG CHINA</b>		
11.	Mr. Richard Wu	Deputy Director-General Civil Aviation, HKSAR
12.	Ms. Sarah Wong	Officer Senior Evaluation, HKSAR
13.	Mr. Hung Leung Au Yeung	Assistant Director-General of Civil Aviation, HKSAR
<b>6. MACAO CHINA</b>		
14.	Mr. Yajun Geng	Airport Director, Macau International Airport Co. Ltd., Macao China

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|-----------------------|---|
| 15. Mr. Gaohong Hu    | Senior Head of ATS Division, Macau International Airport Co. Ltd., Macao China. |
| 16. Mr. Kuan Hou Chiu | Safety Officer,<br>Civil Aviation Authority – Macao, China                      |

**7. FRANCE**

- |                       |  |
|-----------------------|--|
| 17. Mr. Marc Houalla  | Director<br>French Polynesia Civil Aviation Services     |
| 18. Mr. Gil Darthenay | ATC division<br>French Polynesia Civil Aviation Services |

**8. INDONESIA**

- |                          |   |
|--------------------------|---|
| 19. Mr. Mokhammad Khatim | Director of operation<br>AirNav Indonesia           |
| 20. Mr. Wahyu Tirtaji    | Vice President ANSP Development<br>AirNav Indonesia |

**9. JAPAN**

- |                         |   |
|-------------------------|---|
| 21. Mr. Koji Takahshi   | Director-General, Air Navigation Services<br>Department, JCAB/JANS  |
| 22. Mr. Takayuki Harada | Director of the air traffic international affairs<br>office, ANSP Dept, JCAB/JANS                         |
| 23. Mr. Go Chiba        | Special assistant to the direct of CNS office,<br>ANSP Dept, JCAB/JANS                                    |
| 24. Ms. Hanae Noda      | Special assistant to the director of air traffic<br>international affairs office, ANSP Dept,<br>JCAB/JANS |

**10. LAO PDR**

- |                              |  |
|------------------------------|--|
| 25. Mr. Manasavanh Kounlath  | General Deputy Director, LANS  |
| 26. Mr. Somphavanh Kingsada  | Deputy Director, Technical division, LANS                              |
| 27. Mr. Maity Sylithammavong | Director, ATS Division, LANS   |
| 28. Mr. Sohnsacksit Khamkeo  | Director, Air Navigation Standards Division of<br>Civil Aviation, LANS |

**11. MALAYSIA**

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|-----------------------------|---|
| 29. Mr. Norazman bin Mahmud | CEO<br>Civil Aviation Authority of Malaysia |
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30. Mr. Zainul Abidin Maslan	Deputy CEO Civil Aviation Authority of Malaysia
31. Ms. Freda Elizaberth Pendi	Air Traffic Controller Civil Aviation Authority of Malaysia

**12. MALDIVES**

32. Mr. Ibrahim Thoha	Deputy Managing Director Maldives Airports Company Ltd.
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**13. MONGOLIA**

33. Mr. Odgerel Chagnaadorj	Director Air navigation and airports policy regulation, Civil Aviation Authority of Mongolia
34. Ms. Batbulgan Gombo	Director, ATSD Civil Aviation Authority of Mongolia
35. Mr. Turbayar Erdene-ochir	Air Navigation Services Department Civil Aviation Authority of Mongolia

**14. PAPUA NEW GUINEA**

36. Mr. Leonard Robert	Manager Training and Standards-ATS Government Entity/Niusky Pacific Ltd.,
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**15. PHILIPPINES**

37. Ms. Marlene Singson	Assistant Director General II, Air traffic service Civil Aviation Authority of the Philippines
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**16. REPUBLIC OF KOREA**

38. Mr. Sangsoo KIM	Administrator Ministry of Land, Infrastructure and Transport
39. Ms. Soyeon Lee	Safety Officer Ministry of Land, Infrastructure and Transport
40. Ms. Kyung Shin	Air Traffic Division, Deputy Director

**17. SINGAPORE**

41. Mr. Han Kok Juan	Director-General Civil Aviation Authority of Singapore
42. Mr. Ng Tee Chiou	Deputy Director-General Civil Aviation Authority of Singapore
43. Mr. Tan Yean Guan	Director Air Traffic Management Plans and Development

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Civil Aviation Authority of Singapore

44. Mr. Zhee Loong Tho

Senior Air Traffic Control Manager  
Civil Aviation Authority of Singapore

**18. THAILAND**

45. Mr. Nopasit Chakpitak

President  
Aeronautical Radio of Thailand Ltd.

46. Ms. Sirikes Niemloy

Executive Vice President  
Aeronautical Radio of Thailand Ltd.

47. Mr. Paisan Praneetpong

Executive Vice President  
Aeronautical Radio of Thailand Ltd.

48. Ms. Pornnabpan Chootai

Vice President Business Development  
Aeronautical Radio of Thailand Ltd.

49. Mr. Chavalit Chantaharn

Vice President Standards and Safety  
Aeronautical Radio of Thailand Ltd.

50. Mr. Sunun Nimfuk

Vice President Air traffic management  
Aeronautical Radio of Thailand Ltd.

51. Mr. Piyawut Tantimekabut

Air Traffic Management Network Manager  
Aeronautical Radio of Thailand Ltd.

52. Mr. Chainan Chaisompong

Air Traffic Engineering Manager  
Aeronautical Radio of Thailand Ltd.

53. Ms. Saifon Obromsook

Acting Director Safety Management Department  
Aeronautical Radio of Thailand Ltd.

54. Mr. Chanyoot Janprasong

Senior Director  
Air Traffic Service Engineering Bureau  
Aeronautical Radio of Thailand Ltd.

55. Ms. Amornrat Jirattigalachote

Strategic Planning Manager  
Aeronautical Radio of Thailand Ltd.

56. Mr. Chonlawit Banphawatthanarak

Expert, Director Level  
Aeronautical Radio of Thailand Ltd.

57. Mr. Dhivatbodi Sivajdhanachoti

Strategic Planning Assistant Manager  
(Engineering)  
Aeronautical Radio of Thailand Ltd.

58. Mr. Arthit Tosukolvan

Executive Air Traffic Systems Engineer  
Aeronautical Radio of Thailand Ltd.

59. Mr. Sugoon Fucharoen

Executive Air Traffic Management Network  
Officer  
Aeronautical Radio of Thailand Ltd.

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60. Mr. Sakon Sinlapakun	Senior Air Traffic Systems Engineer Aeronautical Radio of Thailand Ltd.
61. Mr. Chayaphol Srivilas	Air Traffic Controller 1 (Provincial Aerodrome Control) Aeronautical Radio of Thailand Ltd.
62. Mr. Santi Wongpitak	Expert, Senior Director Level Aeronautical Radio of Thailand Ltd.
63. Ms. Viyada Sirithongkam	Acting Expert, Director Level Aeronautical Radio of Thailand Ltd.
64. Mr. Debdhanit Yupho	Senior Director, Corporate Communication, Relations and Image Management Bureau Aeronautical Radio of Thailand Ltd.
<b>19. UNITED STATES</b>	
65. Mr. Chris Carter	Director Asia Pacific Region United States Federal Aviation Administration (FAA)
66. Mr. Shayne Campbell	Senior Air Traffic Representative Asia Pacific United States Federal Aviation Administration (FAA)
<b>20. VIET NAM</b>	
67. Mr. Long Nguyen Cong	Deputy Director General Viet Nam Air Traffic Management Corporation
68. Mr. Ha Bui Thanh	Director Air Traffic Services Viet Nam Air Traffic Management Corporation
69. Ms. Uyen Vu	International Relations official Viet Nam Air Traffic Management Corporation
<b>21. CIVIL AIR NAVIGATION SERVICES ORGANIZATION (CANSO)</b>	
70. Mr. Poh Theen Soh	Director Asia Pacific Affairs CANSO - Asia Pacific
71. Ms. Juliana Goh	Technical Consultant CANSO - Asia Pacific
<b>22. INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA)</b>	
72. Mr. Blair Cowles	Regional Director OSS - Safety & Flight Ops, Asia-Pacific International Air Transport Association
<b>23. ICAO Asia/Pacific</b>	
73. Mr. Tao Ma	Regional Director

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74. Dr. Manjit Singh	Deputy Regional Director
75. Mr. Raphael Guillet	Chief Regional Sub-Office
76. Mr. Shane Sumner	Regional Officer, Air Traffic Management
77. Mr. Takata Hiroyuki	Regional Officer, Air Traffic Management
78. Mr. Luo Yi	Regional Officer, Communications, Navigation and Surveillance
79. Ms. Soniya Nibhani	Regional Officer, Air Navigation Systems (CNS) Implementation
80. Mr. Derek S.L. How	Regional Officer, Communications, Navigation and Surveillance
81. Mr. Weng Kit YING	Regional Officer, Air Traffic Management
82. Ms. Wenhan Zhong	Regional Officer, Communications, Navigation and Surveillance
83. Ms. Anchalee Gulati	Administrative Officer

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APPENDIX B

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**TERMS OF REFERENCE**

*Adopted at the APAC ANSP Committee /I,  
Bangkok, Thailand, 17-18 April 2023*

**1. Name and establishment of group**

1.1. The DGCA 57 Conference decided in its action item 21 to form a committee of ANSPs, involving CANSO and IATA, to cooperate in the implementation of regional Air Navigation Services (ANS) initiatives including the ICAO Asia/Pacific Seamless ANS Plan; and to coordinate with ICAO for the purposes of aligning the activities of the committee with the Asia/Pacific Seamless ANS Plan and informing APANPIRG and DGCA Conference of activities and progress.

1.2. It is then proposed to establish the APAC ANSP Committee.

**2. Membership and appointment**

2.1. The size of the group should be commensurate with the need for expeditious and efficient handling of group's business.

2.2. Members should be at the level of Chief of ANSPs of States, accompanied by nominated delegates, as well as representatives from International Organizations recognized by ICAO, including CANSO and IATA.

2.3. The term of the group will be for two years. However, the terms may be extended by the DGCA Conference as necessary.

2.4. ICAO will undertake role of Secretariat of the Committee for the first meeting. States/ANSPs/CANSO are invited to volunteer Secretariat Resource (s) for the subsequent meetings of the Committee.

**3. Chairing**

3.1. The group shall elect a Chairperson and Vice Chairpersons from experts nominated by the members at its first meeting.

**4. Frequency of meetings and quorum**

4.1. The group will determine an appropriate frequency and schedule for its meetings.

4.2. A simple majority of members is required for the group to carry a motion.

**5. Record of meetings**

5.1. The group will record key discussion and outcomes of each meeting in the form of a progress report.

5.2. The Secretariat will be responsible for the records of the group's meetings.

**6. Reporting mechanism**

6.1. The Chair will deliver oral and/or written progress reports to the DGCA Conferences, ICAO and other key stakeholders as necessary.

**7. Functions and delegated authority**

7.1. The purpose of the group is to cooperate in the implementation of regional Air Navigation Services (ANS) initiatives.

7.2. The key functions of the group are the following:

1. Initiate collaboration between ANSPs of States and other stakeholders to develop and implement regional ANS initiatives including the ICAO APAC Seamless ANS Plan;
2. Identify opportunities for collaboration between ANSPs of States, CAAs and other stakeholders for regional ANS;
3. Deliberate and recommend optimal solutions that constitute building blocks for the Seamless ANS Plan, priorities and timelines of their implementation;
4. Update ICAO and APAC States on the Committee's activities through forums such as APANPIRG and the DGCA Conference, with a view to synchronising implementation efforts across the APAC region; and
5. Information sharing and capacity building.

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