

2023 Survey on Common and/or Evolving Needs of the Asia Pacific Region

Name of State/Administration	
Name of Director General of Civil Aviation	

A. Background

1. The ICAO Asia Pacific Regional Cooperation Mechanisms Task Force (RCM TF) was established in 2018 to focus exclusively on strengthening and evolving existing regional mechanisms for regional cooperation, towards the top two regional priorities of (i) capability and capacity building and (ii) technical assistance.
2. The RCM TF¹ has developed an action plan to address the top two regional priorities, including a survey that was conducted from November 2018 to February 2019 to determine the common and/or evolving needs of the Asia Pacific region. The outcome of the survey provided valuable insights to the needs of the region and guided the ICAO Asia Pacific Regional Office and States/Administrations to consider areas of enhancement and support required to deliver the regional priorities.
3. After a two-year hiatus due to COVID-19, the RCM TF resumed its current work programme following the decision of the 57th DGCA Conference in July 2022. As part of the work programme, the RCM TF seeks to gain an updated understanding of the new needs of the Asia Pacific region, especially in the post-COVID era. As such, we invite all States/Administrations in the Asia Pacific region to submit their responses. Your responses will be collated and analysed with a view to present the findings at the 58th DGCA Conference held in October 2023.

¹ The RCM TF comprises 15 States/Administrations in 2018. The 11 original members are Australia, People's Republic of China, Hong Kong China, Japan, Malaysia, New Zealand, Pakistan, Republic of Korea, Singapore, Thailand, the United States of America, with the ICAO Asia Pacific Regional Office (APAC RO) as the Secretariat. Bangladesh, Fiji, Nepal, and Sri Lanka joined the RCM TF in 2022.

B. Instructions on completing the Questionnaire

1. Thank you for participating in this survey. Your answers will help the RCM TF to update the common and/or evolving needs of Asia Pacific States/Administrations. The survey aims to enable a better understanding of the needs of the region, especially given the impact of the COVID-19 pandemic on our aviation sectors, and aid the ICAO Asia Pacific Regional Office in exploring possible areas of enhancement and support required for the region to deliver the regional priorities.
2. The questions have been set with reference to the Commitments set out in the Asia Pacific Ministerial Declaration for Civil Aviation, in the areas of Aviation Safety, Air Navigation Services and Human Resource Development. For completeness, Aviation Security and Environment have been included in the scope of the survey.
3. Please provide your responses accordingly in the tables provided. There will also be open-ended questions for which you can provide your responses in the space provided.
4. In answering each question, we invite you to think critically about how the existing mechanisms can be enhanced in order to better support the common and/or evolving needs identified by your State/Administration.
5. Please submit your responses via the survey link by **12 May 2023**. Please contact Ms Amirah Rozaini (Amirah.Rozaini@caas.gov.sg), with Mr Parakrama Dissanayake (ddissanayake@icao.int) in copy, should you require any further clarification.

C. Questionnaire for completion

Section 1: Aviation Safety

a) Identify up to three aviation safety needs of your State/Administration and rank them accordingly (i.e. rank 1 as top priority).

Ref.	Common areas of needs	Select up to three aviation safety needs and rank them accordingly
A1	CE 1 – Primary Aviation Legislation	
A2	CE 2 – Specific Operation Regulations	
A3	CE 3 – State/Administration Civil Aviation System and Safety Oversight Functions	
A4	CE 4 – Technical Personnel Qualification and Training	
A5	CE 5 – Technical Guidance, Tools and the Provision of Safety-critical Information, such as IT systems to assist in safety oversight and obtaining of approvals, etc.	
A6	CE 6 – Licensing, Certification, Authorization and approval obligations	
A7	CE 7 – Surveillance Obligations	
A8	CE 8 – Resolution of Safety Issues	
A9	Implementation of an effective State Safety Programme (SSP)	
A10	Certification of all aerodromes used for international operations	
A11	Inclusion of aviation safety in National Development Plans and Civil Aviation Master Plans, and establishment of National Aviation Safety Plan	
A12	Identification/mitigation of risks arising from COVID-19 and the increase in intensity of operations to support air travel recovery, such as prolonged storage of aircraft, degradation of personnel proficiency, manpower shortage and degraded focus on safety management by organisations	
A13	Fostering a strong and positive safety culture in the aviation sector	
A14	Others, please specify:	

a) Does your State/Administration have an existing implementation plan for the identified need?

- Yes
- No

If you have selected “Yes” for Question 1b), please proceed to the next section. If you have selected “No”, please continue to Question 1c).

- b) What challenges do you face in implementation? *(You may select more than one option)*
- Funding
 - Resources and expertise
 - Lack of information or access to guidance material
 - Lack of communication/access to ICAO
 - Lack of trained personnel or training in this area
 - Alignment to strategic importance by the ministry or central government
 - External factors
 - Lack of market/economies of scale
 - Unable to identify initiatives
 - Others: _____

Pls provide further information on the challenges that you have identified: _____

- c) Who is providing the existing support for your plans? *(You may select more than one option)*
- ICAO APAC RO
 - Other ICAO regional cooperation mechanisms (COSCAP, CASP-AP, RSO/APAC FPP)
 - Own State/Administration
 - Other Member States/Administrations
 - International Organizations
 - Others: _____

Pls provide further information on the existing support that you have identified: _____

- d) What support is required to address these challenges? *(You may select up to three options. Kindly rank them in order of priority (i.e. rank 1 as top priority))*
- Advisory support Choose an item.
 - Financial support Choose an item.
 - Technical expertise and support Choose an item.
 - Administrative and logistical support (e.g. Secretariat support, online platforms, interfaces) Choose an item.
 - Ministry/central government support Choose an item.
 - Information sharing and of best practices Choose an item.
 - Others: _____ Choose an item.

Pls provide further information on the support required to address these challenges: _____

e) Please provide us any further information or comments, if any.

Section 2: Aviation Security

a) Identify up to three aviation security needs of your State/Administration and rank them accordingly (i.e. rank 1 as top priority).

Ref.	Common areas of needs	Select up to three aviation security needs and rank them accordingly
B1	CE 1 – Primary Aviation Security Legislation	
B2	CE 2 – Aviation Security Programmes and Regulations	
B3	CE 3 – State/Administration Appropriate Authority for Aviation Security and its Responsibilities	
B4	CE 4 – Personnel Qualifications and Training	
B5	CE 5 – Provision of Technical Guidance, Tools and Security-Critical Information	
B6	CE 6 – Certification and Approval Obligations	
B7	CE 7 – Quality Control and Obligations	
B8	CE 8 – Resolution of Security Concerns	
B9	Identification of cybersecurity threats and formulation of mitigation measures	
B10	Identification of threats to airport landside security and implementation of mitigation measures	
B11	Implementation of mitigation measures to counter insider threats	
B12	Inclusion of aviation security in National Development Plans and Civil Aviation Master Plans, and establishment of a National Aviation Security Plan	
B13	Identification/mitigation of COVID-19 related security risks, such as challenges in identifying and screening passengers wearing personal protective equipment (PPE), including face coverings	
B14	Others, please specify:	

b) Does your State/Administration have an existing implementation plan for the identified need?

- Yes
- No

If you have selected “Yes” for Question 2b), please proceed to the next page. If you have selected “No”, please continue to Question 2c).

c) What challenges do you face in implementation? (You may select more than one option)

- Funding
- Resources and expertise
- Lack of information or access to guidance material
- Lack of communication/access to ICAO
- Lack of trained personnel or training in this area
- Alignment to strategic importance by the ministry or central government
- External factors
- Lack of market/economies of scale
- Unable to identify initiatives
- Others: _____

Pls provide further information on the challenges that you have identified: _____

d) Who is providing the existing support for your plans? (You may select more than one option)

- ICAO APAC RO
- Other ICAO regional cooperation mechanisms (COSCAP, CASP-AP, RSO/APAC FPP)
- Own State/Administration
- Other Member States/Administrations
- International Organizations
- Others: _____

Pls provide further information on the existing support that you have identified: _____

e) What support is required to address these challenges? (You may select up to three options. Kindly rank them in order of priority (i.e. rank 1 as top priority))

- Advisory support Choose an item.
- Financial support Choose an item.
- Technical expertise and support Choose an item.
- Administrative and logistical support (e.g. Secretariat support, online platforms, interfaces) Choose an item.
- Ministry/central government support Choose an item.
- Information sharing and of best practices Choose an item.
- Others: _____ Choose an item.

Pls provide further information on the support required to address these challenges: _____

f) Please provide us any further information or comments, if any.

Section 3: Air Navigation Services

a) Identify up to three air navigation services needs of your State/Administration and rank them accordingly (i.e. rank 1 as top priority).

Ref.	Common areas of needs	Select up to three air navigation services needs and rank them accordingly
C1	Transition from Aeronautical Information Service (AIS) to Aeronautical Information Management (AIM) System	
C2	Performance Based Navigation (PBN) implementation	
C3	Establishment of common ground/ground telecommunication infrastructure to support Air Navigation Services (ANS) applications	
C4	Enhanced level of civil/military cooperation	
C5	Enhanced surveillance capability including Automatic Dependent Surveillance- Broadcast (ADS-B) technology	
C6	Air Traffic Flow Management/Collaborative Decision Making (CDM) implementation for high density airports	
C7	Inclusion of air navigation in National Development Plans and establishment of National Air Navigation Plan	
C8	Addressing deficiencies identified by APANPIRG and/or its subgroups	
C9	Identification/mitigation of security risks for the provision of air navigation services, such as cyber threats and intrusion attempts into critical facilities	
C10	Others, please specify:	

b) Does your State/Administration have an existing implementation plan for the identified need?

- Yes
- No

If you have selected “Yes” for Question 3b), please proceed to the next page. If you have selected “No”, please continue to Question 3c).

c) What challenges do you face in implementation? (You may select more than one option)

- Funding
- Resources and expertise
- Lack of information or access to guidance material

- Lack of communication/access to ICAO
- Lack of trained personnel or training in this area
- Alignment to strategic importance by the ministry or central government
- External factors
- Lack of market/economies of scale
- Unable to identify initiatives
- Others: _____

Pls provide further information on the challenges that you have identified: _____

- d) Who is providing the existing support for your plans? *(You may select more than one option)*
- ICAO APAC RO
 - Other ICAO regional cooperation mechanisms (COSCAP, CASP-AP, RSO/APAC FPP)
 - Own State/Administration
 - Other Member States/Administrations
 - International Organizations
 - Others: _____

Pls provide further information on the existing support that you have identified: _____

- e) What support is required to address these challenges? *(You may select up to three options. Kindly rank them in order of priority (i.e. rank 1 as top priority))*
- Advisory support Choose an item.
 - Financial support Choose an item.
 - Technical expertise and support Choose an item.
 - Administrative and logistical support (e.g. Secretariat support, online platforms, interfaces) Choose an item.
 - Ministry/central government support Choose an item.
 - Information sharing and of best practices Choose an item.
 - Others: _____ Choose an item.

Pls provide further information on the support required to address these challenges: _____

- f) Please provide us any further information or comments, if any.

Section 4: Human Resource

a) Identify up to two human resource and training needs of your State/Administration and rank them accordingly (i.e. rank 1 as top priority).

Ref.	Common areas of needs	Select up to two human resource needs and rank them accordingly
D1	Access to quality training	
D2	Access to resources through bilateral and/or multilateral arrangements including with industry partners	
D3	Training needs analysis	
D4	Attraction/Retention of aviation professionals	
D5	Others, please specify:	

b) Does your State/Administration have an existing implementation plan for the identified need?

- Yes
- No

If you have selected “Yes” for Question 4b), please proceed to the next page. If you have selected “No”, please continue to Question 4c).

c) What challenges do you face in implementation? (You may select more than one option)

- Funding
- Resources and expertise
- Lack of information or access to guidance material
- Lack of communication/access to ICAO
- Lack of trained personnel or training in this area
- Alignment to strategic importance by the ministry or central government
- External factors
- Lack of market/economies of scale
- Unable to identify initiatives
- Others: _____

Pls provide further information on the challenges that you have identified: _____

d) Who is providing the existing support for your plans? (You may select more than one option)

- ICAO APAC RO
- Other ICAO regional cooperation mechanisms (COSCAP, CASP-AP, RSO/APAC FPP)
- Own State/Administration
- Other Member States/Administrations
- International Organizations
- Others: _____

Pls provide further information on the existing support that you have identified: _____

e) What support is required to address these challenges? (*You may select up to three options. Kindly rank them in order of priority (i.e. rank 1 as top priority)*)

- Advisory support Choose an item.
- Financial support Choose an item.
- Technical expertise and support Choose an item.
- Administrative and logistical support (e.g. Secretariat support, online platforms, interfaces) Choose an item.
- Ministry/central government support Choose an item.
- Information sharing and of best practices Choose an item.
- Others: _____ Choose an item.

Pls provide further information on the support required to address these challenges: _____

f) Please list the top 3 aviation training areas your State/Administration would need: _____

g) Please provide us any further information or comments, if any.

Section 5: Sustainability

- a) Identify up to two sustainability needs of your State/Administration and rank them accordingly (i.e. rank 1 as top priority).

Ref.	Common areas of needs	Select up to two sustainability needs and rank them accordingly
E1	Implementation of CORSIA SARPs	
E2	Establishment of Monitoring, Reporting and Verification (MRV) processes	
E3	Establishment of a State Action Plan (SAP)	
E4	Technical understanding of alternative fuels (i.e. sustainable aviation fuel, lower carbon aviation fuel), including global developments	
E5	Policy options and considerations pertaining to alternative fuels	
E6	Others, please specify:	

- b) Does your State/Administration have an existing implementation plan for the identified need?

- Yes
- No

If you have selected “Yes” for Question 5b), please proceed to the next page. If you have selected “No”, please continue to Question 5c).

- c) What challenges do you face in implementation? (You may select more than one option)

- Funding
- Resources and expertise
- Lack of information or access to guidance material
- Lack of communication/access to ICAO
- Lack of trained personnel or training in this area
- Alignment to strategic importance by the ministry or central government
- External factors
- Lack of market/economies of scale
- Unable to identify initiatives
- Others: _____

Pls provide further information on the challenges that you have identified: _____

- d) Who is providing the existing support for your plans? (You may select more than one option)
- ICAO APAC RO

- Other ICAO regional cooperation mechanisms (COSCAP, CASP-AP, RSO/APAC FPP)
- Own State/Administration
- Other Member States/Administrations
- International Organizations
- Others: _____

Pls provide further information on the existing support that you have identified: _____

e) What support is required to address these challenges? (*You may select up to three options. Kindly rank them in order of priority (i.e. rank 1 as top priority)*)

- Advisory support Choose an item.
- Financial support Choose an item.
- Technical expertise and support Choose an item.
- Administrative and logistical support (e.g. Secretariat support, online platforms, interfaces) Choose an item.
- Ministry/central government support Choose an item.
- Information sharing and of best practices Choose an item.
- Others: _____ Choose an item.

Pls provide further information on the support required to address these challenges: _____

f) Please provide us any further information or comments, if any.

Section 6: Any Other Comments

Please provide us any other information or comments that will contribute towards enhancing existing frameworks in the region to better address your State/Administration's needs.

– Thank you for completing the survey –