



SAFE SKIES.
**SUSTAINABLE
FUTURE.**

**59th Conference of Directors General of
Civil Aviation
Asia and Pacific Region**

14-18 October 2024

Agenda Item 8: Capacity Development and Implementation
Capacity Development and Implementation Bureau



APAC Regional Challenges and Needs

Based on audit results and industry trends, ICAO sees the below areas of focus for the APAC Region.



Lack of Personnel Qualifications and Training (CE4)



Airport Design, Operations, and Certification



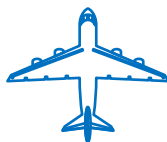
Air Navigation Services Equipment



Development of National Aviation Safety Plans and State Safety Programmes (NASP and SSP)



Oversight of the Transportation of Dangerous Goods



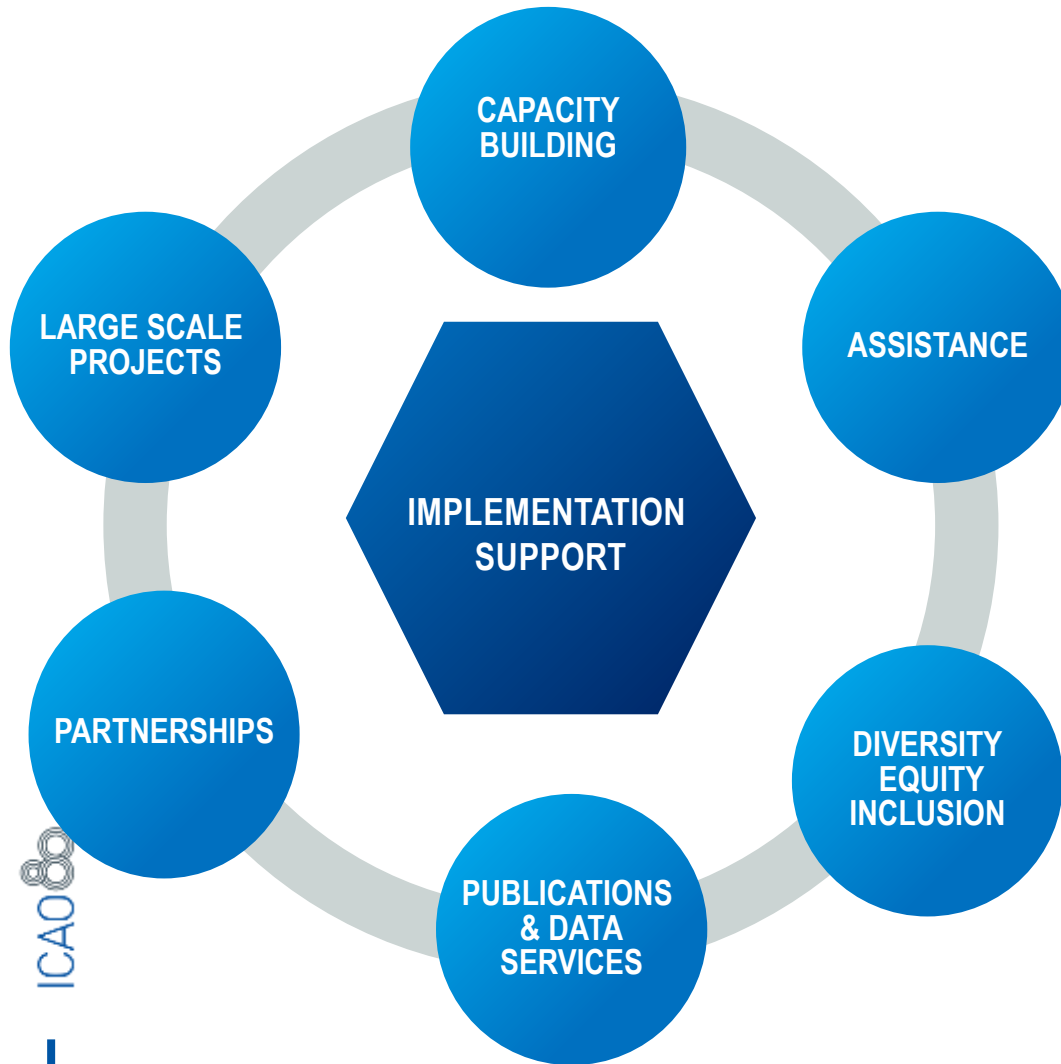
Accident/incident Data Reporting



ePassport Systems, Consultancy Services & eGates



ICAO CAPACITY DEVELOPMENT AND IMPLEMENTATION



- **Streamline of resources** to optimize implementation and capacity development in a global framework
- **New brand** supported by products, services and tools developed by ICAO, to **support Member States**



Supporting States in SARPs Compliance

Products, Services and Tools provided by ICAO Capacity Development & Implementation

PROJECT MANAGEMENT



- Large Scale Implementation Support Programmes

PROVISION OF EXPERTISE



- Operational Assistance (OPAS)
- Subject Matter Experts
- National Professional Experts

AVIATION TRAINING



- Fellowships
- Development Country Training Programme

PROCUREMENT



- Technical Specifications
- International Tendering
- Long Term Agreements

LARGE
SCALE
PROJECTS

CAPACITY
BUILDING

Current Initiatives in the APAC Region

Tailored assistance projects and proposals under discussion:

Planning:

Development of Civil Aviation Master Plans, Air Navigation Plans, Airport Master Plans

ANSPs:

Procurement of equipment (Radars, Comm, ADS-B, Nav aids), consultancies for the development of technical specifications, commissioning of AIM systems

Airports & Aerodromes:

Forecasts, airport capacity study, airport feasibility study for specific type of operations, aeronautical and obstacle limitation studies, OPAS

Safety oversight:

implementation of SSP, NASP, provision of OPAS, national personnel

ARFF:

Procurement of Fire Trucks and emergency equipment

Regional Projects in APAC

Cooperative Development of Operational Safety and Continuing Airworthiness Programme – South Asia

Cooperative Development of Operational Safety and Continuing Airworthiness Programme – Southeast Asia

Cooperative Aviation Security Programme – Asia Pacific

Flight Procedure Programme – Asia Pacific

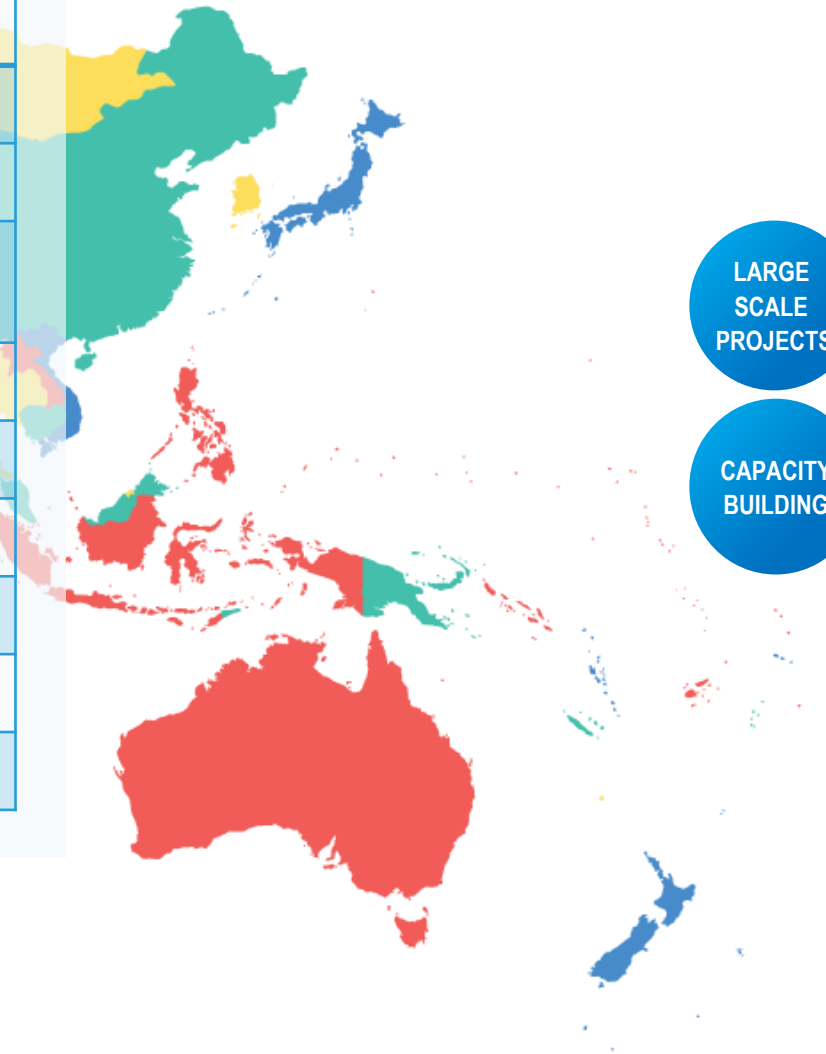
Common Regional Virtual Private Network (CRV) multinational service with a common service provider

Assistance for Southwest Pacific Small Island States, regarding Aerodrome certification and SMS implementation

37 Beneficiary States

(National and Regional Projects)

Australia	India	Mongolia	Solomon Islands
Bangladesh	Indonesia	Nauru	Sri Lanka
Bhutan	Japan	Nepal	Thailand
Brunei Darussalam	Kiribati	New Zealand	Timor-Leste
Cambodia	Republic of Korea	Pakistan	Vanuatu
China	Lao PDR	Palau	Viet Nam
China (Hong Kong SAR)	Malaysia	Papua New Guinea	Tonga
China (Macao SAR)	Maldives	Philippines	
Cook Islands	Marshall Islands	Samoa	
Fiji	Micronesia	Singapore	



LARGE
SCALE
PROJECTS

CAPACITY
BUILDING

Implementation Packages (iPacks)

Standardized bundle of implementation support composed of **5 key components**



Short intervention ranging from **3 to 6 months**.



Over **201 iPacks** delivered globally since 2020, benefitting **109 States**.

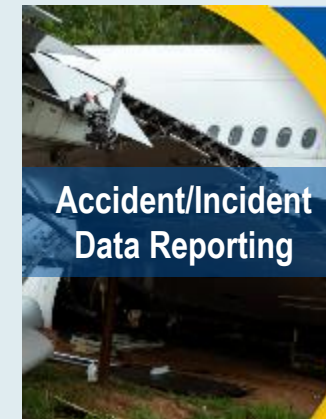
22 iPacks deployed in **APAC** benefitting **17 States**



BENEFITS: Cost-effective, one-stop shop, reliable, tailored assistance



New iPacks – Under Development



ASSISTANCE

CAPACITY BUILDING



ICAO Training

- **Global network of over 120 Training Organizations** catering to the civil aviation training needs worldwide.
- Delivery of over **350 standardized training courses** across **10 strategic areas**, supporting the implementation of ICAO SARPs.
- APAC Region
 - **27 TRAINAIR PLUS** Members and Training Partners
 - **14,104** aviation professionals trained in APAC since 2014.

ICAO Aviation Security (AVSEC) Training

- Supporting States through Regional Training Activities to **implement Annex 17 SARPs**.
- Delivery of **7 Aviation Security Training Packages** and **9 Workshops**, using ICAO certified instructors.
- **APAC Regions**
374 AVSEC Professionals trained in 2023/2024 (combined) through **24** training activities.

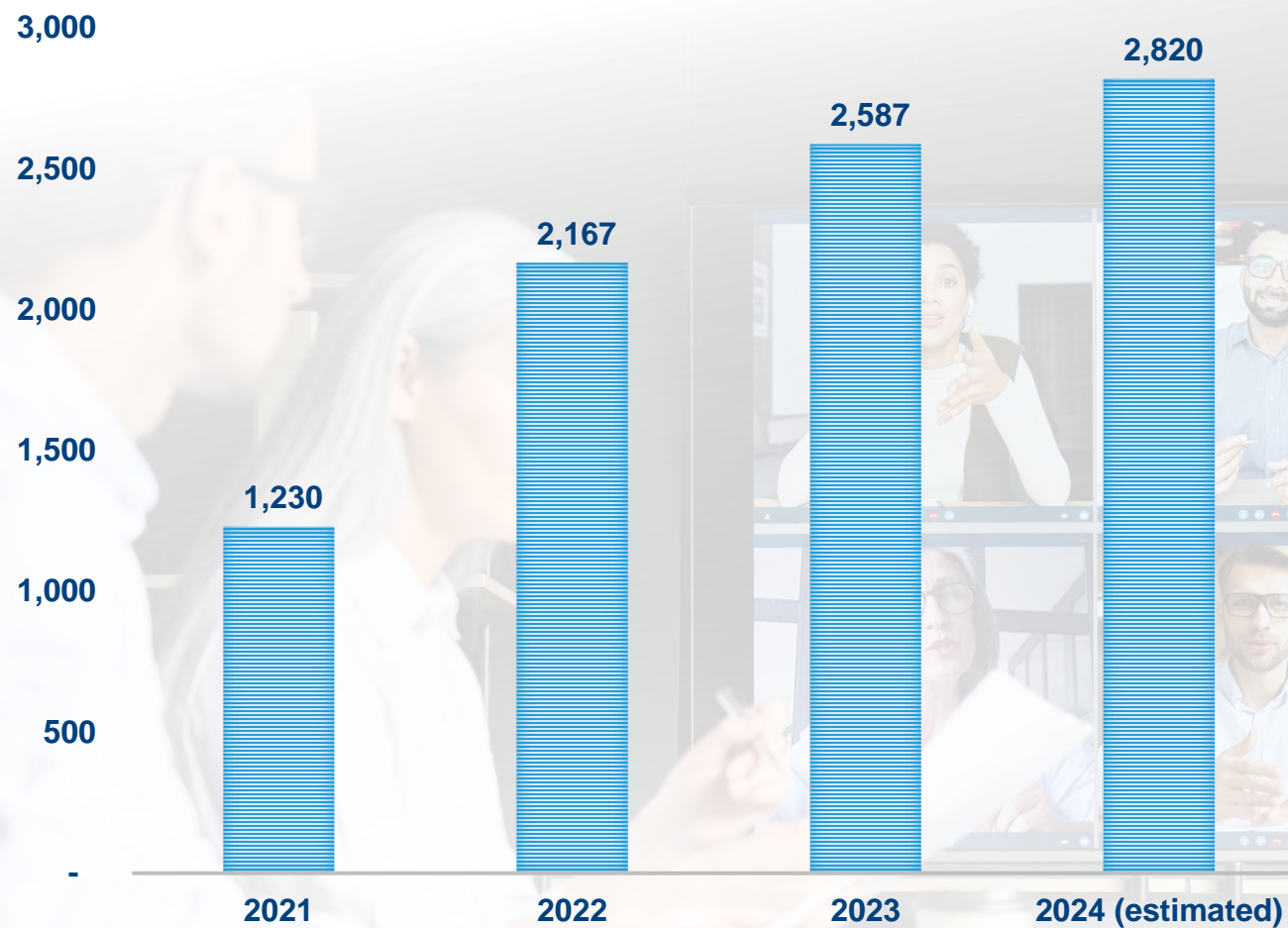
ASSISTANCE

CAPACITY
BUILDING

PARTNERSHIPS

Trainees in APAC Region (2021-2024)

TOTAL TRAINEES IN APAC REGION (2021-2024)



Trainees by Gender in APAC Region (2021-2023)

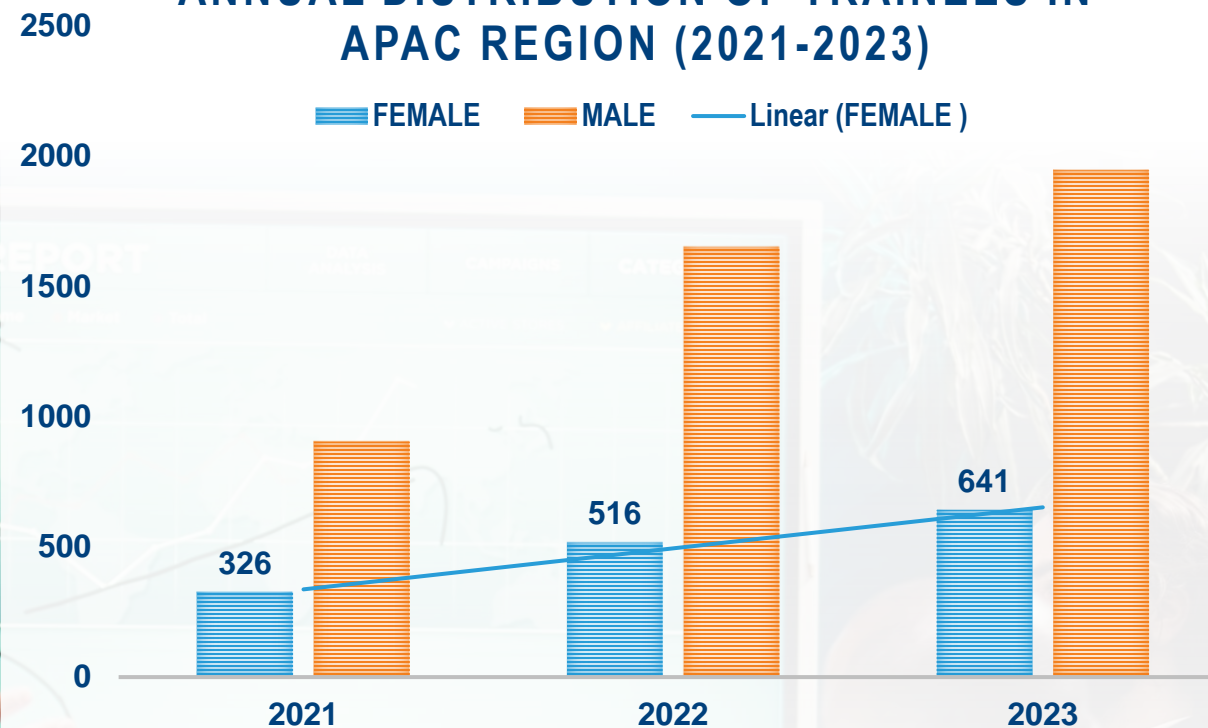


We see a clear increase in the overall female participants in the APAC region.



The percentage of female trainees has been on the rise.

ANNUAL DISTRIBUTION OF TRAINEES IN APAC REGION (2021-2023)



Training Areas in APAC Region (2023-2024)

■ Sessions 2023 ■ 2024 Sessions (estimation)

120

100

80

60

40

20

0

Flight Safety
and Safety
Management

Aerodromes

Training
Competency
Development

Air
Navigation
Services

Aviation
Law

Aviation
Management

Security

Environment

Facilitation

■ Sessions 2023

■ 2024 Sessions (estimation)

86

38

26

16

4

3

2

1

1

96

47

38

12

7

1

3

0

1

Resource Mobilization (RM)

OBJECTIVES

Aim to seek additional resources needed to support implementation, capacity building, and other activities such as the Transformational Objective.

A Implementation support activities.

B Transformational Objective of the ICAO Business Plan.

C Capacity building activities.

VOLUNTARY FUND CONTRIBUTIONS IN THE APAC REGION (2023-2024)

Donor States:

- Australia, Canada, China, France, Japan, Republic of Korea, Singapore, the United Kingdom, the United States of America

Industry Donors:

- Airbus, Boeing.

Benefiting States and Regional Organization in the following areas:

Flight Safety and
Safety
Management

Civil Aviation
Master Planning

Aerodromes

AVSEC

ASSISTANCE

PARTNERSHIPS

Publications and Data Services

Key Activities Supporting States:

- **Access to ICAO publications & data applications** through the management and maintenance of the ICAO e-Commerce store & eLibrary platforms.
- **Publications provide standardized guidance and information essential for various data services** to ensure the safety and efficiency of international air navigation
 - Establishing SARPs, disseminating Aeronautical Information, facilitating Data Exchange
- **Connected to the Civil Aviation community** producing, and publishing important information via media channels (ICAO TV, UA.com, Email Newsletters, Social Media)



PUBLICATIONS
& DATA
SERVICES

PARTNERSHIPS

ICAO

GLOBAL IMPLEMENTATION SUPPORT SYMPOSIUM

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الهيئة العامة للطيران المدني
GENERAL CIVIL AVIATION AUTHORITY



Featuring

**Global Sustainable
Aviation Marketplace**

GISS 2025 Theme: *The Next Flight:
Innovating for a Sustainable Tomorrow*

Focus: Artificial intelligence in transforming aviation operations and sustainable aviation practices

Ministerial Discussions: Engage Ministers in a series of discussions on contributions of civil aviation to economic growth, employment, and trade, as well as the challenges and opportunities to achieving sustainability

Let us Help You!



Connect with an ICAO Specialist:





Thank You!