



| ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY

60th Conference of Directors General of Civil Aviation Asia and Pacific
Region

Agenda Item 5: Aviation Security & Facilitation

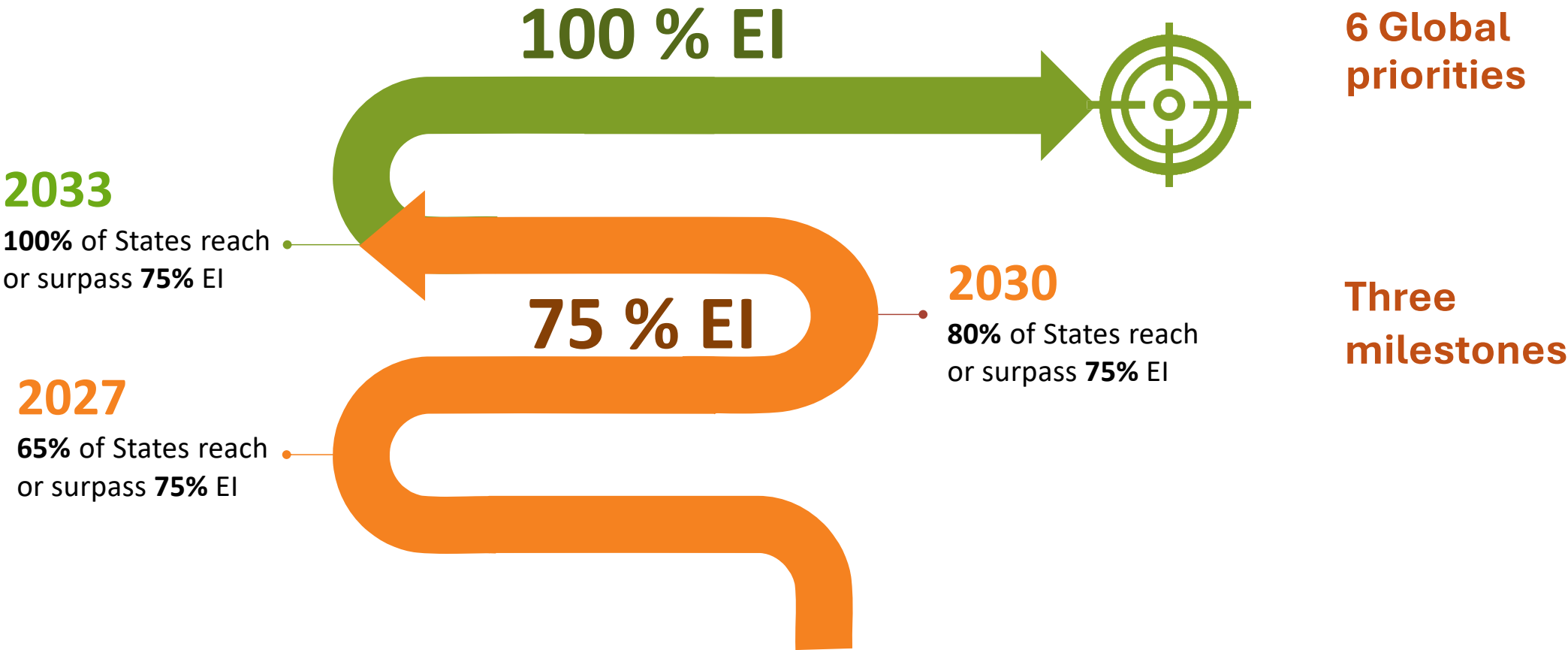
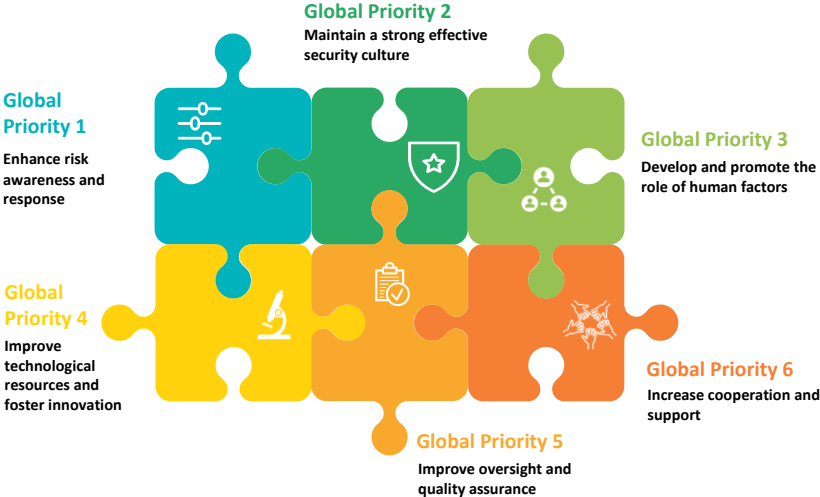
Presented by the Secretariat

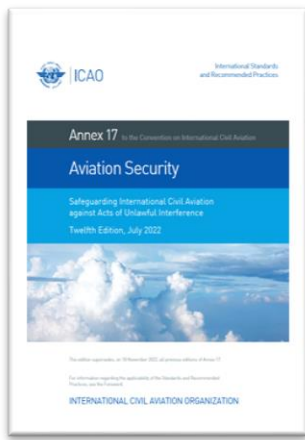
Aviation Security Policy and Aviation Cybersecurity

Global Aviation Security Plan 2nd Edition, 2024

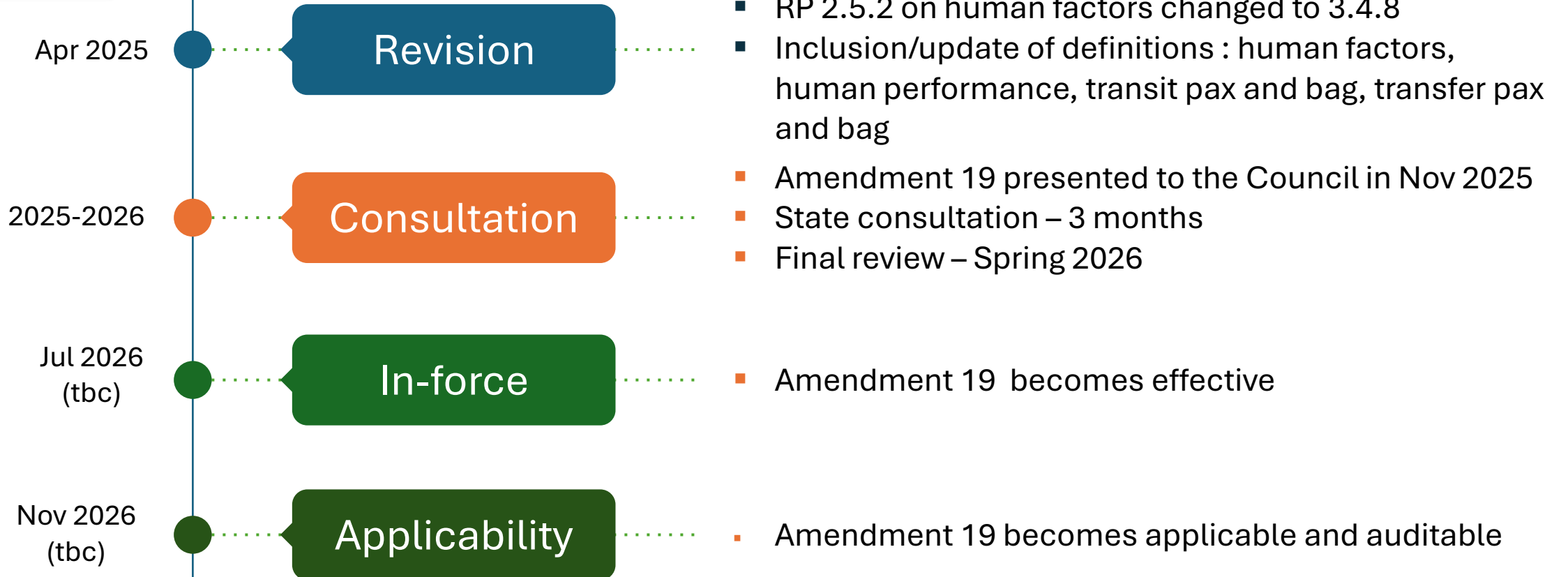
One aspirational goal

Achieve and maintain a strong global aviation security system that is underpinned by **full and effective implementation** of ICAO aviation security Standards in all Member States





Annex 17 - Amendment 19





Risks identified:

- **Attacks using cargo and mail consignments (including Improvised Incendiary devices)**
- Attacks at a distance, especially in conflict zones
- Attacks using unmanned aircraft systems (UAS)
- Threat posed by insiders
- Violent extremism, which may include politically motivated acts
- Cyber-attacks
- **Acts attributed to unrest and attacks in, or near, conflict zones**
- Attacks at airport landside areas
- Communication of false information

Risks under in-depth assessment:

- Liquids, Aerosols and Gels (LAGs)
- Cargo and Mail
- Artificial Intelligence (AI)

Aviation Cybersecurity

First deliverables of the ICAO new governance structure



- 1st and 2nd meetings of the Ad-Hoc coordinating committee on cybersecurity
- Draft ICAO work programme to address cybersecurity in a holistic and cross-cutting manner

- **First Global Cyber Risk Considerations – Doc 10213**
- **Aviation Cybersecurity Glossary**
- 24-month work programme for guidance development



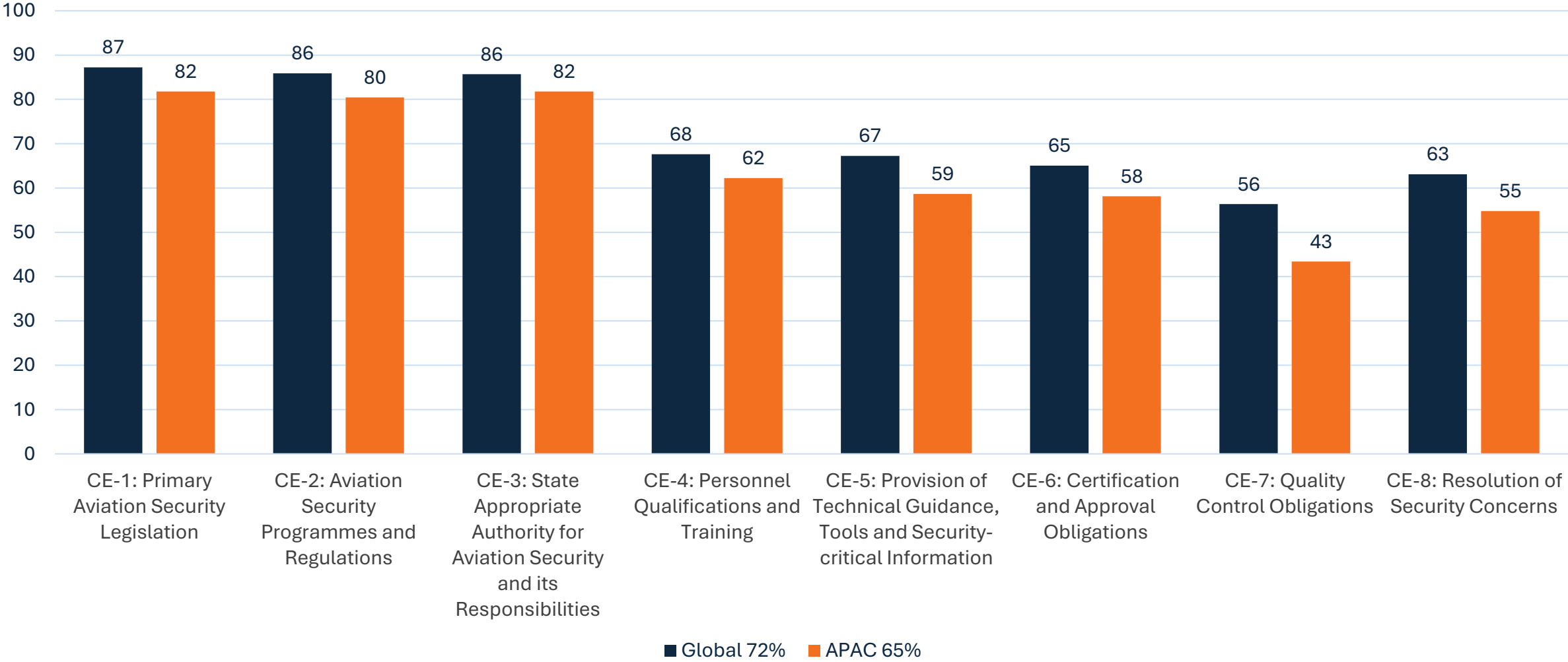
- Task Force to Develop a GAP Analysis on the need for Aviation Cybersecurity Provisions in ICAO Annexes

- Regional Awareness Seminars (all ICAO regions covered in less than 18 months !)

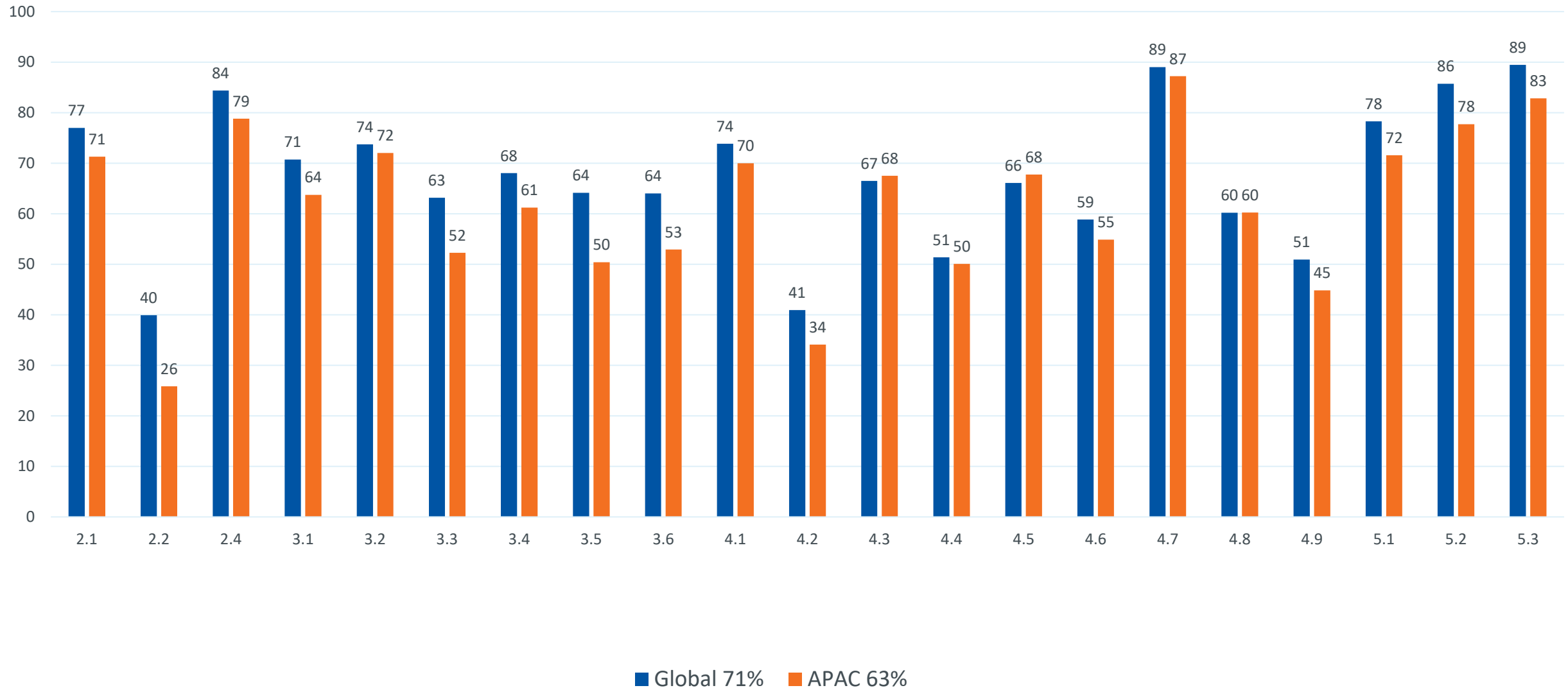
UPDATE ON THE
UNIVERSAL SECURITY AUDIT PROGRAMME –
CONTINUOUS MONITORING APPROACH
(USAP-CMA)

—

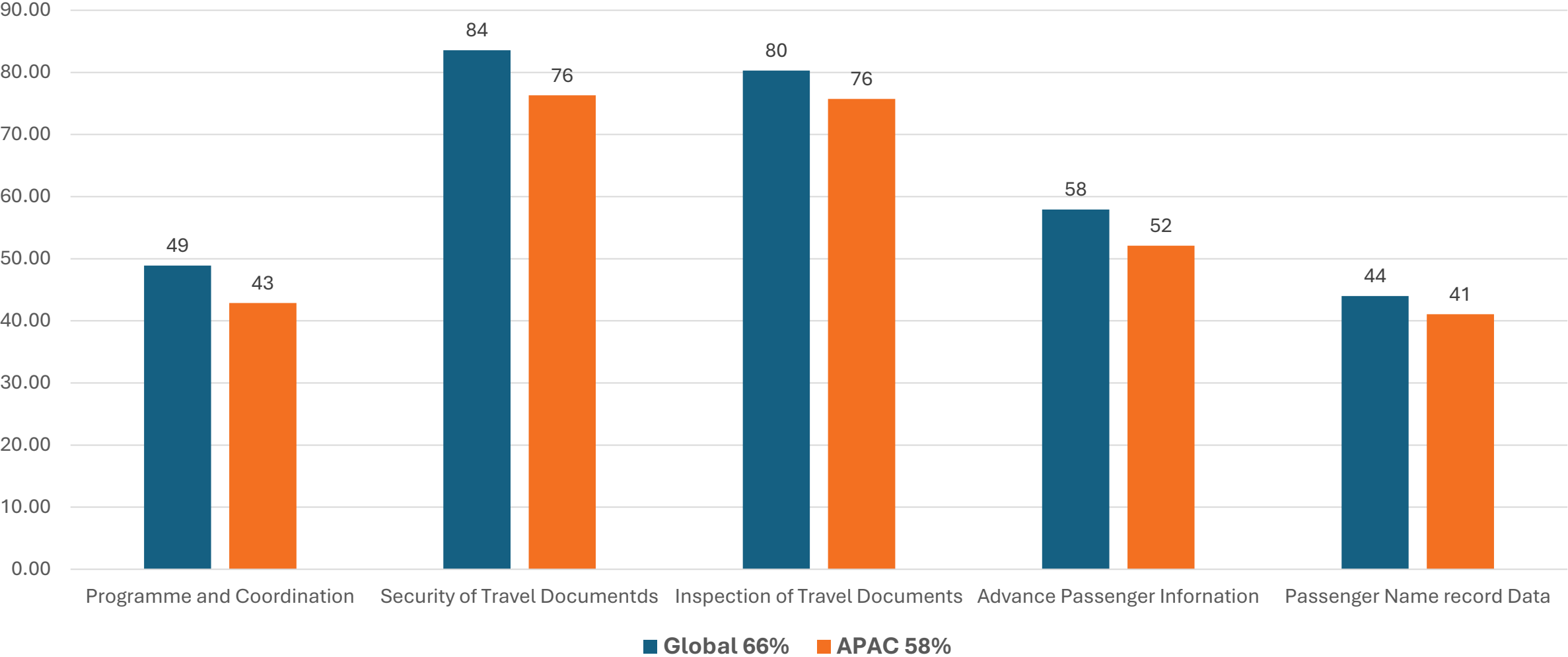
Regional Audit Results – Sustainability indicator



Regional Audit Results – Compliance with Annex 17

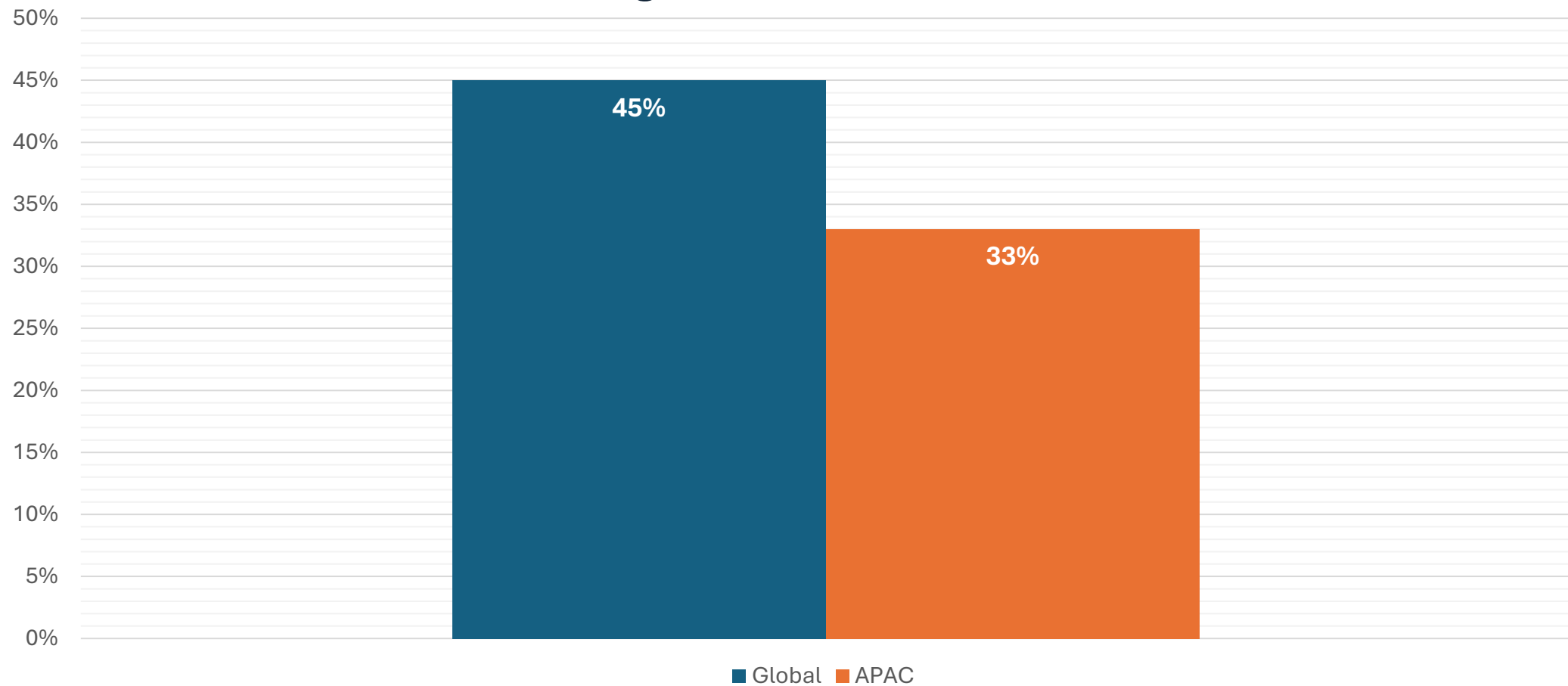


Regional Audit Results – Compliance with Annex 9 Security-related Standards



| By Year | GASep Milestones Percentage of States surpassing 75% Sustainability Indicator |
|---------|--|
| 2027 | 65% |
| 2030 | 80% |
| 2033 | 100% |

Percentage of States with EI over 75%



USAP-CMA related Activities in APAC

2024

- 9 USAP-CMA audits completed
- 4 USAP-CMA audits deferred
- 1 USAP-CMA Auditor Training and certification course in June 2024 (hosted by Fiji)

2025

- 9 USAP-CMA audits scheduled
- 1 USAP-CMA seminar scheduled in October in Bangkok



ICAO

USAP-CMA Memorandum Of Understanding (MoU)

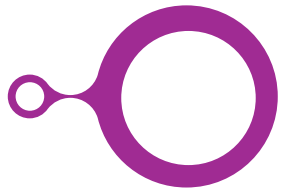
- A single MoU governs all USAP-CMA activities in a State
- 2 States in APAC have yet to sign the MoU

— Recents developments and outcomes of Secretariat Study Group on the USAP-CMA

- Training of USAP CMA Certified auditors
- External access to the Audit Manager
- Work on SSEC mechanism and definition

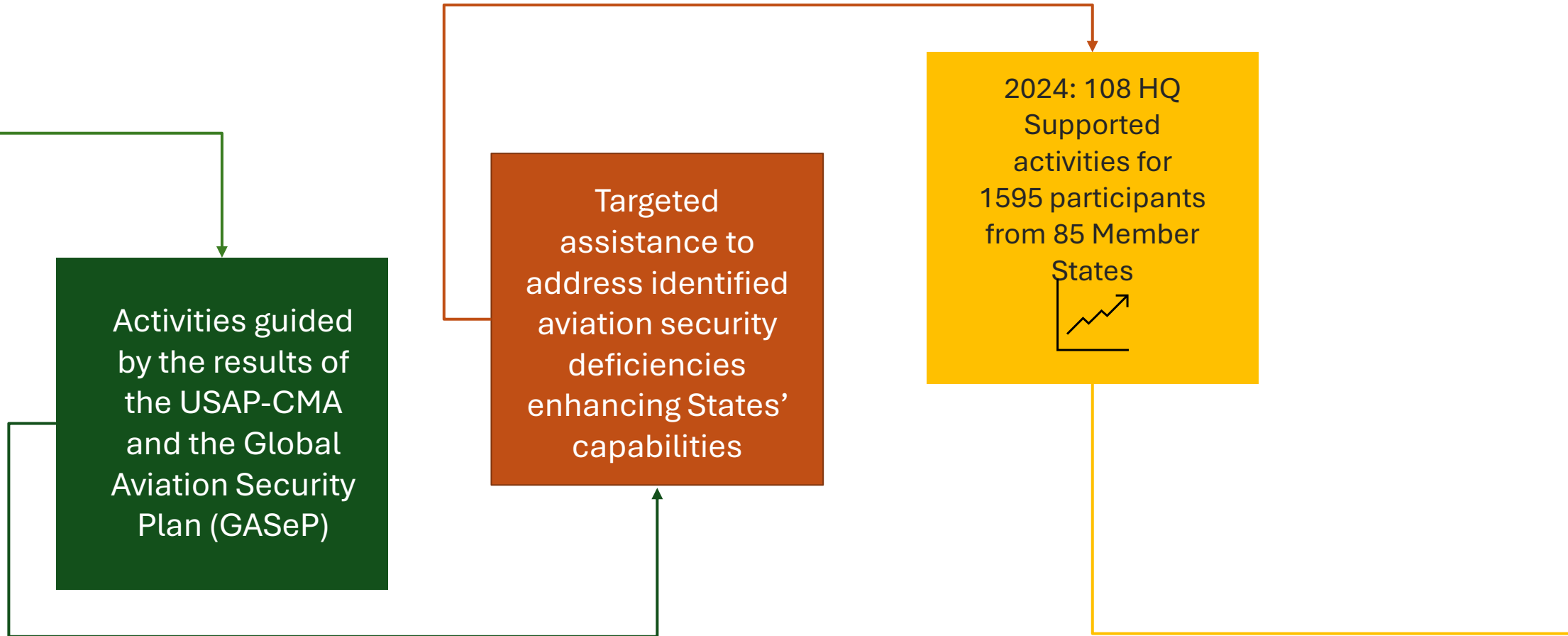
UPDATE ON THE
IMPLEMENTATION SUPPORT AND DEVELOPMENT
– SECURITY PROGRAMME
(ISD-SEC)

—



Implementation
support

Implementation Support and Development - Security (ISD- SEC) Programme



ICAO ASTC Global Network

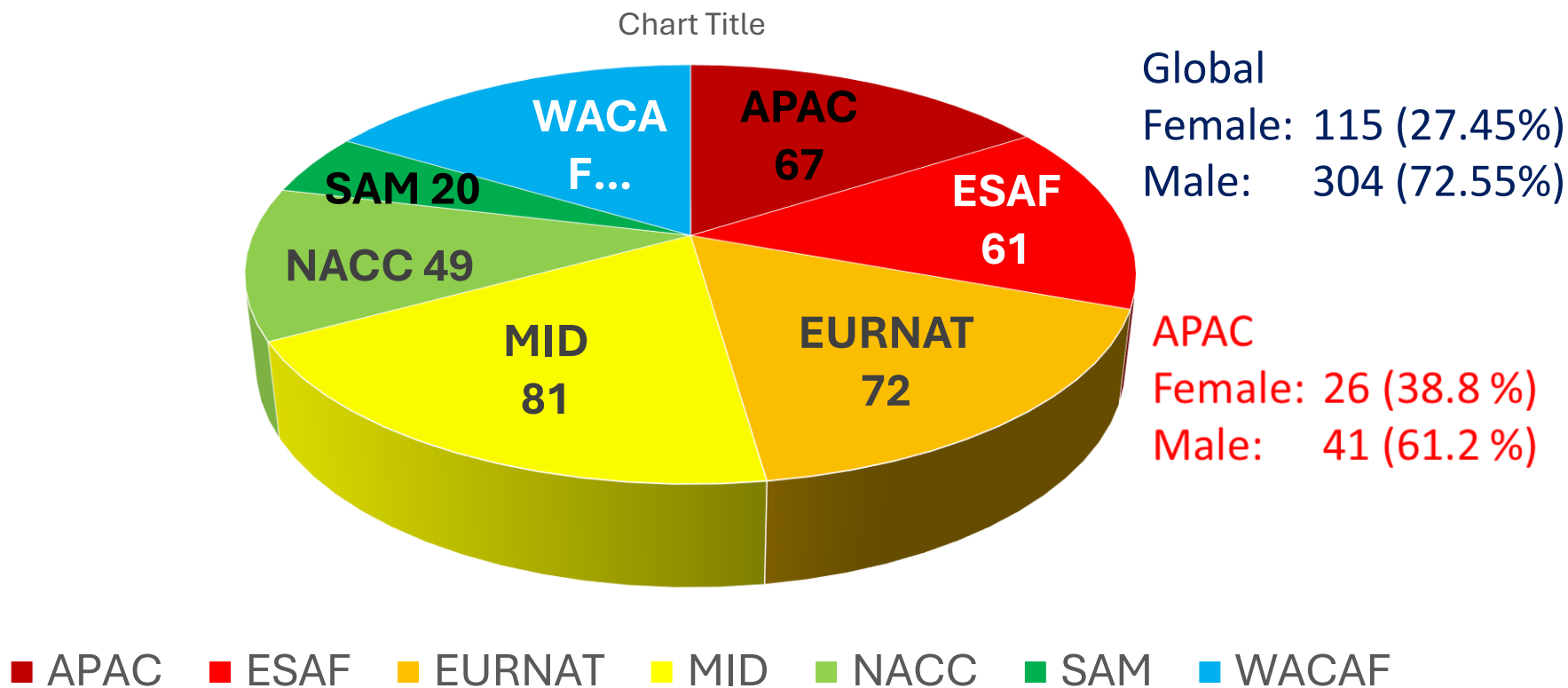


ICAO

35 active ASTCs

ICAO-certified AVSEC Instructors – by Region

Total: 419 Instructors from 112 Member States (as of May 2025)



ICAO AVSEC Training Materials

7 AVSEC Training Package (ASTP) Courses:

- Air Cargo and Mail Security *
- Airport Security Supervisors *
- AVSEC Managers *
- AVSEC National Inspectors
- AVSEC National Instructors
- Basic Aviation Security
- Behaviour Detection Course *

***Also available in virtual format**

ICAO Aviation Security Training Packages (ASTPs)



ICAO AVSEC Workshop Materials

9 Workshops:

- Airport Security Programme *
- Crisis Management *
- Insider Risk
- National Aviation Security Certification System
- National Civil Aviation Security Programme
- National Civil Aviation Security Training Programme
- National Civil Security Quality Control Programme*
- Risk Management *
- Security Culture *

*Also available in virtual format



ICAO AVSEC Training Achievements 2024

- **39** ICAO-sponsored AVSEC global training activities were conducted in 2024 via ASTCs, benefitting **602** AVSEC specialists from **101** Member States
- **431** ASTC-sponsored AVSEC regional training activities were conducted globally in 2024 at the initiative of the ASTCs, benefitting **5,950** AVSEC specialists
- Support for AVSECP WG on Training – Technical Products (e.g. Human Factor Toolkit)
- AVSEC Professional Management Courses in 2024 (33 students successfully completed)



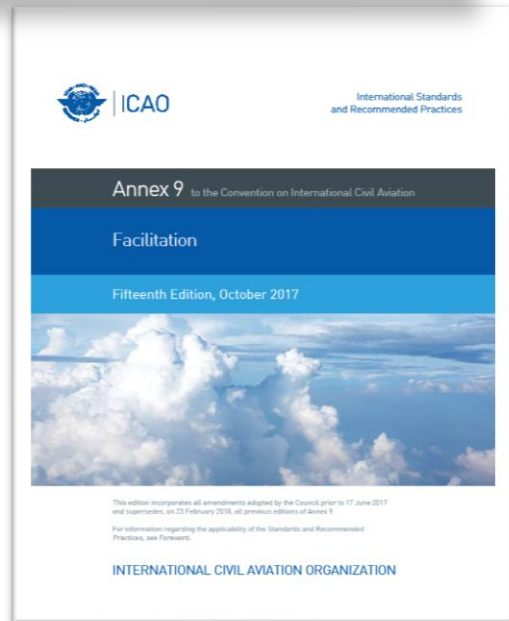
AVSEC Technical Assistance Summary 2024

- 13 States actively involved in Aviation Security Improvement Plans (ASIPs), following USAP-CMA Audit Results and CAPs
- Requested assistance and partnership activities based on the prioritized needs of States and funded by the ICAO AVSEC/FAL Fund
- APAC Combined Action Team - AVSEC (CAT-AVSEC) – Bhutan, Cambodia, Solomon Islands
- Partnership with Australia Department of Home Affairs 2024: Crisis Management WS for Vietnam and Sri Lanka, AVSEC Managers Course for Thailand
- Partnership with Transport Canada 2024: AVSEC Quality Control Workshop (on screening) with the provision of Improvised Explosive Device (IED) infiltration test kits for Vietnam, Indonesia, Philippines and Thailand

UPDATE ON THE FACILITATION PROGRAMME



THREE INTERRELATED FACILITATION PROGRAMMES



Key Developments Annex 9 – Facilitation

- **Amendment 30 to Annex 9 - Facilitation**
- **ICAO Doc 9957 *Second Edition***
- **FAL Capacity Building**



FACILITATION
CONFERENCE
(FALC 2025)

14 to 17
April 2025
Doha, Qatar

High-level Ministerial Segment

17 April 2025

High-level attendance by 53 Ministers

Adopted Doha Declaration on
Facilitation of International Civil
Aviation

“Facilitating the Future of Air Transport: Collaboration, Efficiency, and Inclusivity.”

Important new standards (Amendment 30 to Annex 9) related to MRTD implementation



❑ The Fourth Meeting of the TAG/TRIP (TAG/TRIP/4)

- The TAG/TRIP was held from 11 to 13 October 2023 in Montréal
- The TAG/TRIP endorsed amendments to technical specifications that will be incorporated in Doc 9303 and forwarded proposals for Amendment 30 to Annex 9, related to Borders

❑ Harmonization of the passport type indicator:

- ⇒ When Contracting States issue passports with a secondary document type indicator they shall be in accordance with the specifications of Doc 9303 no later than 1 January 2026

❑ Migration of biometrics data encoding:

- ⇒ Contracting States issuing eMRTDs shall update their facial image encoding by 1 January 2030 at the latest.

❑ Enhancing data protection measures for eMRTDs:

- ⇒ Contracting States issuing eMRTDs shall implement Password Authenticated Connection Establishment (PACE) as of 1 January 2026.

ICAO Public Key Directory

International sharing of data needed to verify electronic travel documents



Recipients must verify the digital signature on electronic documents to ensure:

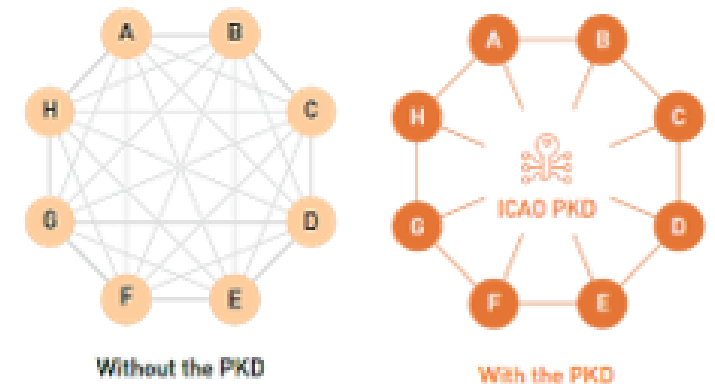
Authenticity

- Issuance by genuine authority

Integrity

- Data hasn't been changed since issuance (including the facial image)

The PKD facilitates international sharing of the data needed to verify the digital signature.



The ICAO PKD – an Opt-In Programme



Participation continues to grow, albeit in other regions more than APAC (16 States and 2 non-State entities in APAC participate, as it was in 2024)

Doha Declaration:

Urge States to....

- **Improve passenger travel experience** and cargo facilitation by **enhancing efficiency** of the movement of aircraft, passengers, crew and cargo;
- Support the **ICAO Public Key Directory (PKD)** and its **active use internationally**, advocating for its use in both governmental and private sectors to provide **the foundation for the verification of travel documents and related digital credentials globally**;





A New ICAO PKD System

Go-live March 2026

- New data capabilities and services
- More user-friendly access and connectivity
- Improved statistics reporting and user feedback mechanisms
- Lower costs

In a world of widespread issuance and use of electronic passports, and in readiness for new possibilities such as the Digital Travel Credential (also verifiable using PKD data), the ICAO PKD is a critical resource. Connect to and use the PKD now, to increase security and facilitation now and to ensure readiness for future key developments.

Thank You

