

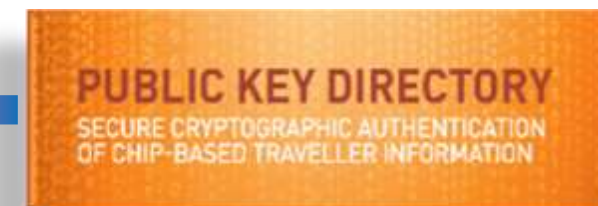


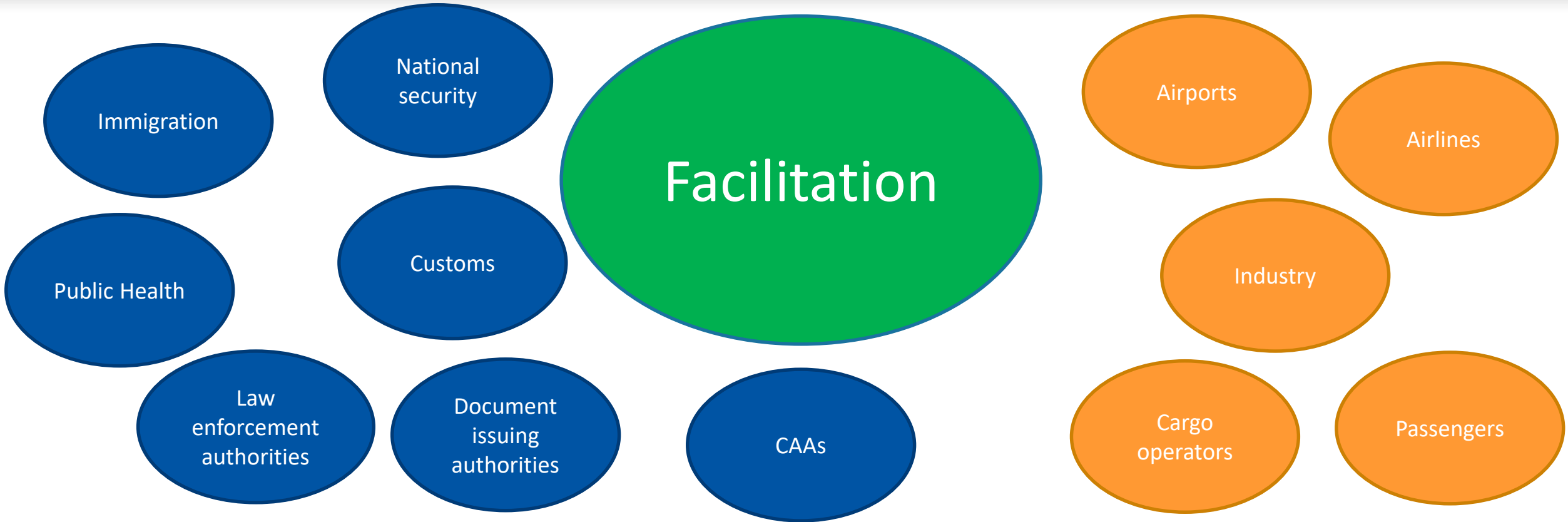
Agenda item 5: Aviation Security and Facilitation

Presented by:
Mohamed Khalifa Rahma
Director, Air Transport Bureau, ICAO



THREE INTERRELATED FACILITATION PROGRAMMES





...facilitate and expedite navigation by aircraft between the territories, ...prevent unnecessary delays to aircraft, crews, passengers and cargo, especially in the administration of the laws relating to immigration, quarantine, customs and clearance (Art 22 CC)



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ICAO Annex 9 – *Facilitation*





Implementation of Annex 9 SARPs are essential:

- ➔ To facilitate the clearance of:
 - ✓ *aircraft;*
 - ✓ *passengers and their baggage;*
 - ✓ *cargo, mail and other articles.*
- ➔ To manage challenges in border controls and airport processes to maintain both the security and the efficiency of air transport operations.
- ➔ Interagency coordination
- ➔ Other issues such as – aircraft accident victims, health, unruly passengers, passengers with reduced mobility, trafficking persons.





AMENDMENT 29 TO ANNEX 9 - FACILITATION

Contains new and revised Standards and Recommended Practices related to public health emergencies, security of travel and health proofs, relief and repatriation flights, air transport facilitation of persons with disabilities, assistance to aircraft accident victims and their families, trafficking in persons



Amendment 29 will become effective 18 July 2022 and applicable on 18 November 2022





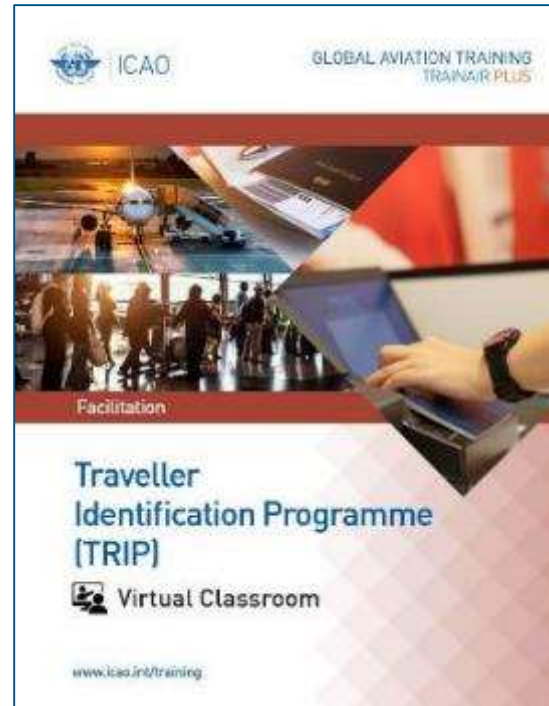
Training Courses and Workshops Developed/Integrated in iPacks



ICAO Annex 9 -
Facilitation (FAL EN)
Virtual Classroom

www.icao.int/training

ICAO Annex 9 Facilitation:
virtual & classroom course



Traveller
Identification Programme
(TRIP)
Virtual Classroom

www.icao.int/training

ICAO Traveller Identification
Programme (TRIP) Strategy:
Virtual & Classroom Course



Assistance to Aircraft
Accident Victims and their
Families (AAVF EN)
Virtual Classroom

www.icao.int/training

Assistance to Aircraft Accident
Victims and their Families



Strengthening
National Air Transport Facilitation
Committees for the Re-start and
the Resilience of Civil Aviation
Implementation Package

www.icao.int/iPack

Strengthening National Air
Transport Facilitation
Committees for the ReStart
and Resilience of Civil Aviation

Outcomes of the HLCC FAL stream

**FIVE
AGENDA
ITEMS**

79

Recommendations

Facilitation operational measures - the pandemic and beyond

Enhancing national coordination and international cooperation

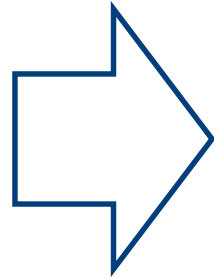
Enhancing digital data sharing for seamless/contactless processes

Future approaches – management of sustainable health-related FAL measures and implementation monitoring

Other Facilitation-related issues



**DEVELOPMENTS IN
ASSISTANCE TO AIRCRAFT
ACCIDENT VICTIMS AND
THEIR FAMILIES**



**FIRST SYMPOSIUM ON
ASSISTANCE TO AIRCRAFT
ACCIDENT VICTIMS AND
THEIR FAMILIES**



**ELEVATION OF ANNEX 9
RP 8.46 TO A
STANDARD**

**NEW RP ADDRESSED
TO AIRCRAFT AND
AIRPORT OPERATORS
ON AAVF**

**CAPACITY BUILDING
TOOLS**





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PRIORITIES AND EXPECTED OUTCOMES FOR 2023-2025 TRIENNIUM

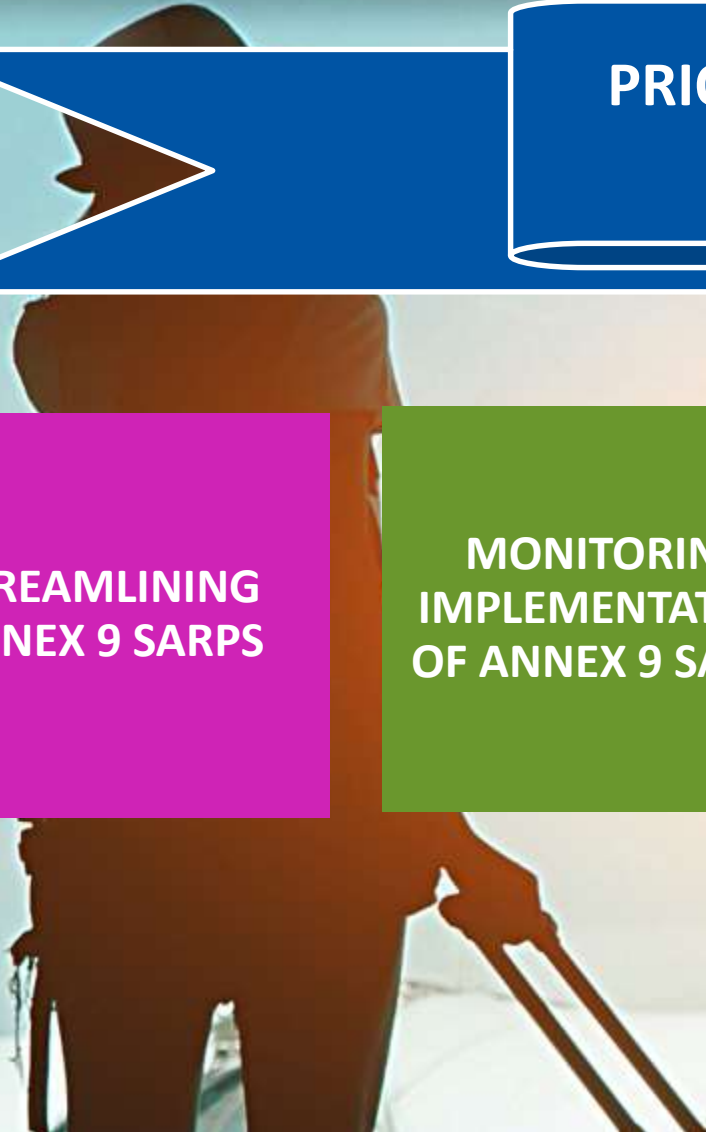
**STREAMLINING
ANNEX 9 SARPS**

**MONITORING
IMPLEMENTATION
OF ANNEX 9 SARPS**

**ASSISTANCE AND
CAPACITY
BUILDING**

**RESPONSE TO NEW
AND EMERGING
ISSUES**

**INNOVATION IN
TECHNOLOGIES**





ICAO TRIP Strategy: Building Trust in Travel Document Security





Key Concepts - ICAO TRIP Strategy





Developments in ICAO TRIP Strategy



Health QR code: *Visible Digital Seal for non-constrained environments (VDS-NC).*



Virtual forms of traveler identification: *Digital Travel Credential (DTC 1) parameters*



Guidance material: *Publication of 8th Edition of Doc 9303, MRTD*



Assistance to States: *Support API/PNR implementation (UNOCT) & ABC deployment*



2022

TRIP 2022
SEAMLESS AND CONTACTLESS
Sharing data to accelerate the recovery



2021

2020

Update of the TRIP Implementation Roadmap in line with related Annex 9 SARPs



Requirements for health proof certificates

Integrity



Could the data have been altered after issuance?

Authenticity



Can issuance by a trusted authority be confirmed?

Trustworthy/Verifiable



Are my systems capable of verifying integrity and authenticity?

Convenient to use



Will the certificate be efficiently read within existing processes and infrastructure?

Data protection



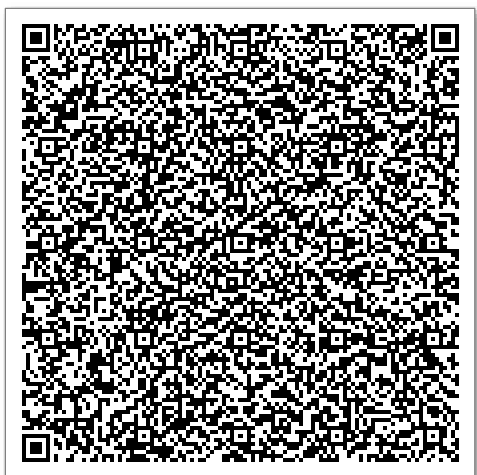
Compliant with legislation in State of use and State of nationality of the traveler

Interoperability



Will cross-border verification be possible?

ICAO Visible Digital Seal for Non-Constrained Environments (VDS-NC)



- Encodes minimum dataset for tests, vaccinations and recovery certificates
- Machine readable using standard barcode scanners (e.g. at check-in, bag drop, boarding gates)
- Digitally signed (optional for testing certificates), using the same infrastructure as used by more than 145 States issuing ePassports

Technical Report published

<https://www.icao.int/Security/FAL/TRIP/PublishingImages/Pages/Publications/Visible%20Digital%20Seal%20for%20non-constrained%20environments.pdf>



ICAO Traveller Identification Programme (TRIP) Strategy

PRIORITIES AND OUTCOMES FOR 2023-2025

ALL TRIP ELEMENTS:

- Follow-up the level of implementation of the ICAO TRIP Roadmap : Compliance to Annex 9 SARPs
- Enhanced recognition of ICAO leadership on the ICAO TRIP Strategy
- Promotion and communication to States of the five elements of the ICAO TRIP Strategy





PRIORITIES AND OUTCOMES PER TRIP ELEMENT FOR 2023-2025

Passenger Data exchange:
Advance Passenger
Information (API) and
Passenger Name Record
(PNR) data



Development of Best Practices and Guidance Material fro Credible evidence of identity,

- Innovation: VDS and DTC
- update of MRTDs specifications, & guidance material
- ePassport Standard Roadmap

- Development of the Doc 9303 Compliance Scheme

- ICAO Doc 9303 Compliance Programme
- Guidance on DTC for integrated border operations



- **Relevant documents and guidance materials**

 ICAO Doc 9303, *Machine Readable Travel Document*, 8th Edition;

 ICAO Annex 9 SARPs;

 ICAO *TRIP Strategy Compendium*, 2017;

 ICAO *TRIP Implementation Roadmap for Member States*;

 ICAO Guidance:

→on Evidence of Identity, 2018;

→on Border Control Management, 2018;

→for collection of best practices for acquisition of MRTD Goods and Services;

→for Roadmap for Implementation of New Specifications;

→for Assessing Security of Handling and Issuance of Travel Document;

→ICAO TAG/TRIP Technical Reports

<https://www.icao.int/Security/FAL/TRIP/Pages/Publications.aspx>





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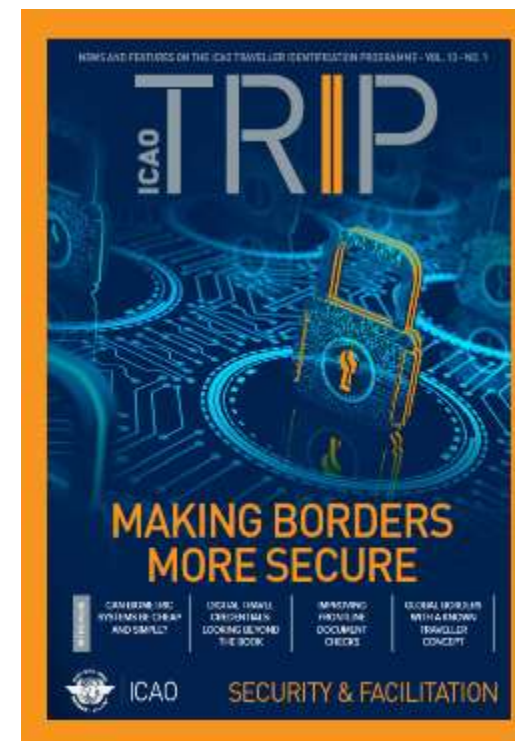
Implementing a Visible Digital Seal for Non-Constrained Environments (VDS-NC) for Travel-Related Health Proofs

The image shows the cover of a document titled "Implementing a Visible Digital Seal for Non-Constrained Environments (VDS-NC) for Travel-Related Health Proofs Implementation Package". The cover features the ICAO logo and the iPack logo. It includes a collage of images: a person wearing a face mask, a person holding a smartphone displaying a digital health proof, and an airplane on a runway. The text on the cover reads: "Security and Facilitation", "Implementing a Visible Digital Seal for Non-Constrained Environments (VDS-NC) for Travel-Related Health Proofs", "Implementation Package", and the website "www.icao.int/iPack".



ICAO TRIP Strategy and the UN agenda

- Coordination with the UN Security Council (UNSC) Global Strategy: ICAO actively supports the implementation of UNSC resolutions
- ICAO is one of the 38 entities of the Global Counter Terrorism Coordination Compact Committee with a common action plan for cooperation on the implementation of relevant UNSC resolutions
- The UN Office for Counter-Terrorism (UNOCT) launched the Counter Terrorism Travel (CT Travel) Programme to respond to the Foreign Terrorist Fighters (FTF) challenge focusing on capacity-building projects
- Facilitation activities are linked to six of the 17 UN Sustainable Development Goals (SDGs)



UNSC Resolutions 2178 (2014) and 2396 (2017)

- “*noting* that Annex 9 — *Facilitation* to the Convention on International Civil Aviation, done at Chicago on December 7, 1944 (the “Chicago Convention”) contains **standards and recommended practices** relevant to the **detection and prevention of terrorist threats involving civil aviation**
- “*Further calls upon* all States to require that airlines operating in their territories provide advance passenger information to the appropriate national authorities in order to detect the departure from their territories, or attempted entry into or transit through their territories, by means of civil aircraft, of individuals designated by the Committee pursuant to resolutions 1267 (1999), 1989 (2011) and 2253 (2015)





API implementation status: 93 States
Status of API in Asia Pacific: 16 States API in force

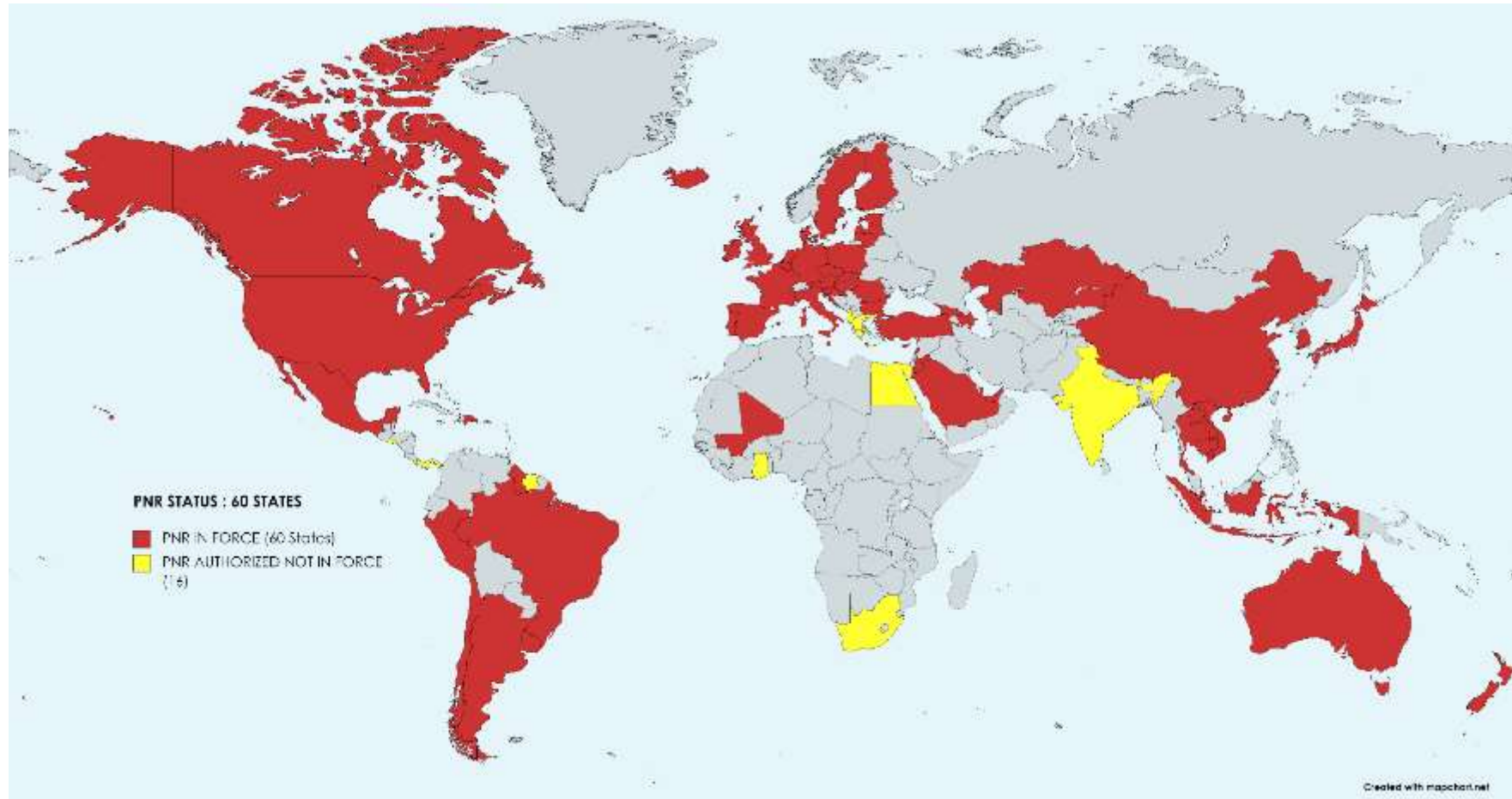


API is an Annex 9 Standard applicable since 23 February 2018

Source: IATA



Status of PNR implementation: 60 Member States
Status of PNR in Asia Pacific: 12 States PNR in force





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ICAO Public Key Directory (PKD)





Focus on the ePassport

The modern passport: digitally transformed



The ePassport 'logo', i.e.
the 'chip inside' image from Doc 9303

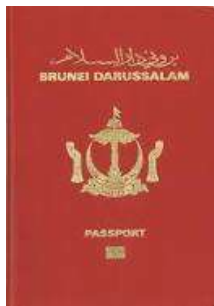
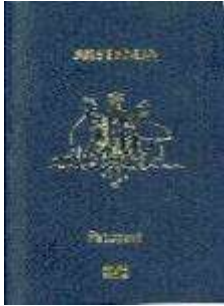


More than 145 ICAO Member States are issuing
ePassports



Asia & Pacific (APAC): 24 Member States & 2 non-State entities

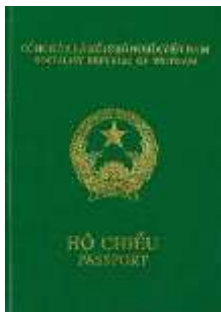
Australia Bangladesh Brunei Cambodia China DPR Korea India Indonesia Japan Laos PDR Malaysia



Maldives Mongolia Nepal New Zealand Pakistan Philippines Rep of Korea Singapore Solomon Isl. Sri Lanka Thailand Timor Leste



Vietnam



AND

Hong Kong



Macao





ICAO PKD: Key to the e-passport



The e-passport



Facilitates travel

Enables automation

Increases security

But it can only be trusted if you verify the applied digital signature...

Which requires the appropriate public keys!

ICAO Public Key Directory (PKD)

- A central broker for sharing public keys needed to validate ePassports and other electronic travel documents – enhancing cost-efficiency and overall system effectiveness for document issuers and for international border control
- Currently 82 members including **14 States and two Special Administrative entities from the APAC Region** (Australia, Bangladesh, China, Hong Kong-China, India, Indonesia, Japan, Macao-China, Malaysia, Mongolia, Nepal, New Zealand, Philippines, Republic of Korea, Singapore, Thailand and Viet Nam).
- States are urged to join the PKD (Resolution A40-16) and to upload all information needed to verify their documents (new Annex 9 Standard 3.9.2)



ICAO PKD: Increasing participation is warranted

More need for PKD capabilities



More electronic documents – ePassport, DTC, VDS etc.

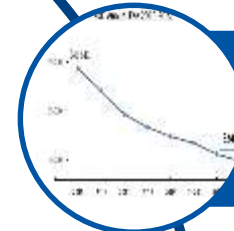


More demand for seamless/contactless travel



More need for agility in capabilities (robustness to pandemics etc.)

More value being provided at lower cost



Reduced fees



More data content, e.g. the ICAO Master List



Enhanced services and community sharing, e.g. the PKD Data Quality Coach initiative



New service 1: The ICAO Master List

A One-Stop Shop
for ePassport
Validation

CRL = Certificate
Revocation List

DL = Deviation List



Is the CSCA certificate superior to the DS certificate in some way?



New Service 2: The ICAO Health Master List

A Common International Trust Registry

- Health Public Key Cert 1
- Health Public Key Cert 2
- Health Public Key Cert 3
- Health Public Key Cert n.

- **Open** - No certificate format requirements
- **Accessible** - No dependency on PKD participation status
- **Trustworthy** - Validation based on same requirements as for the ICAO PKD





States are encouraged to provide all public key certificates necessary to validate their digital health proofs to ICAO for inclusion in the ICAO Health Master List

icao-pkd@icao.int

New Service 3: The ICAO PKD Data Quality Coach Initiative

- Participating States are mentored by an experienced coach from the PKD
- Costs of travel to support the State are borne by the PKD





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THANK YOU

