

# ICAO TRIP

REGIONAL SYMPOSIUM

BUILDING **FUTURE RESILIENCE:**  
THE ROLE OF **SEAMLESS**  
AND **CONTACTLESS** TRAVEL



# The ICAO Public Key Directory (PKD)

## How to Make Best Use of PKD

Ciaran Carolan

ICAO Facilitation



# Vision & Voyage



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# ePassports

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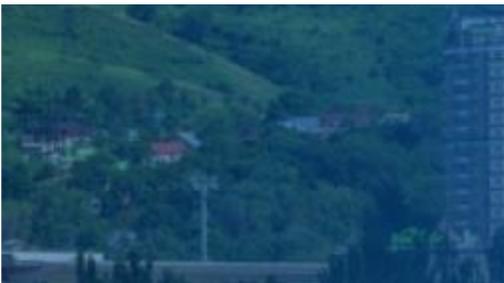
INCREASING FUTURE RESILIENCE:

THE ROLE OF SEAMLESS

CONTACTLESS TRAVEL



# Digital Travel Credentials



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AND CONTACTLESS TR

**Biometric  
Authentication**





## PKD: Key in your voyage towards seamless and contactless travel

A pillar of supporting infrastructure

The PKD facilitates full and trustworthy verification of, and use of all data (including biometrics) from:

- ePassports
- Digital Travel Credentials
- All other digitally signed ICAO documents

.....facilitating seamless and contactless travel



## Authenticity

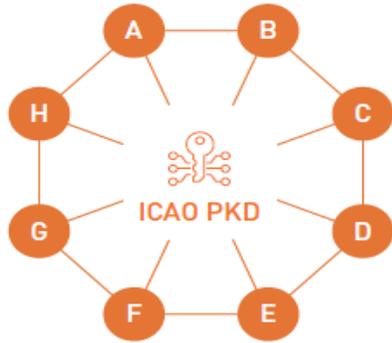
- Issuance by genuine authority

## Integrity

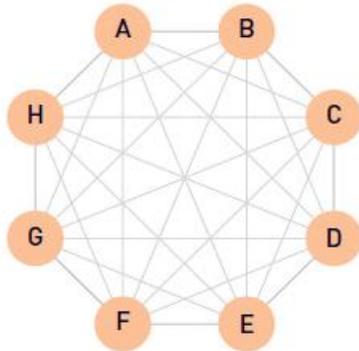
- Data hasn't been changed since issuance (including the facial image)

Achieved without physical inspection, physical contact or engagement of specialist expertise

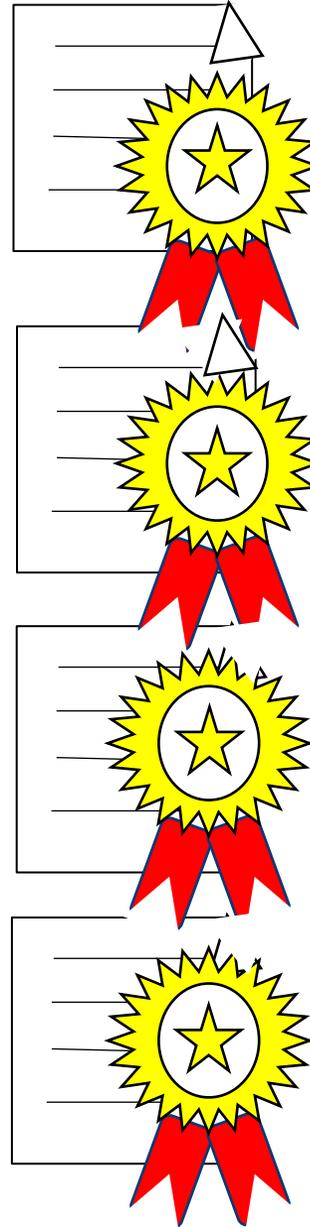
# PKD



With the PKD



Without the PKD



**CSCA  
certificates**

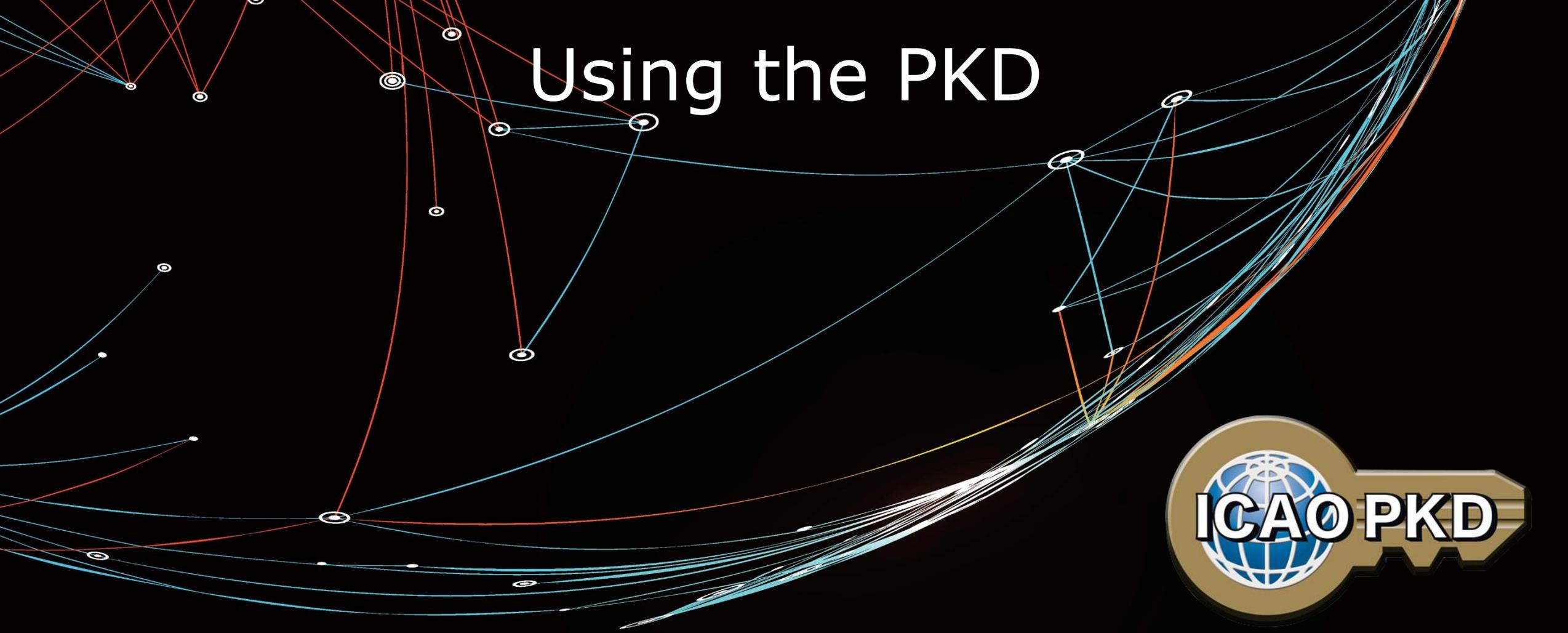
**DS and BCS  
certificates**

**CRLs**

**DLs**



# Using the PKD



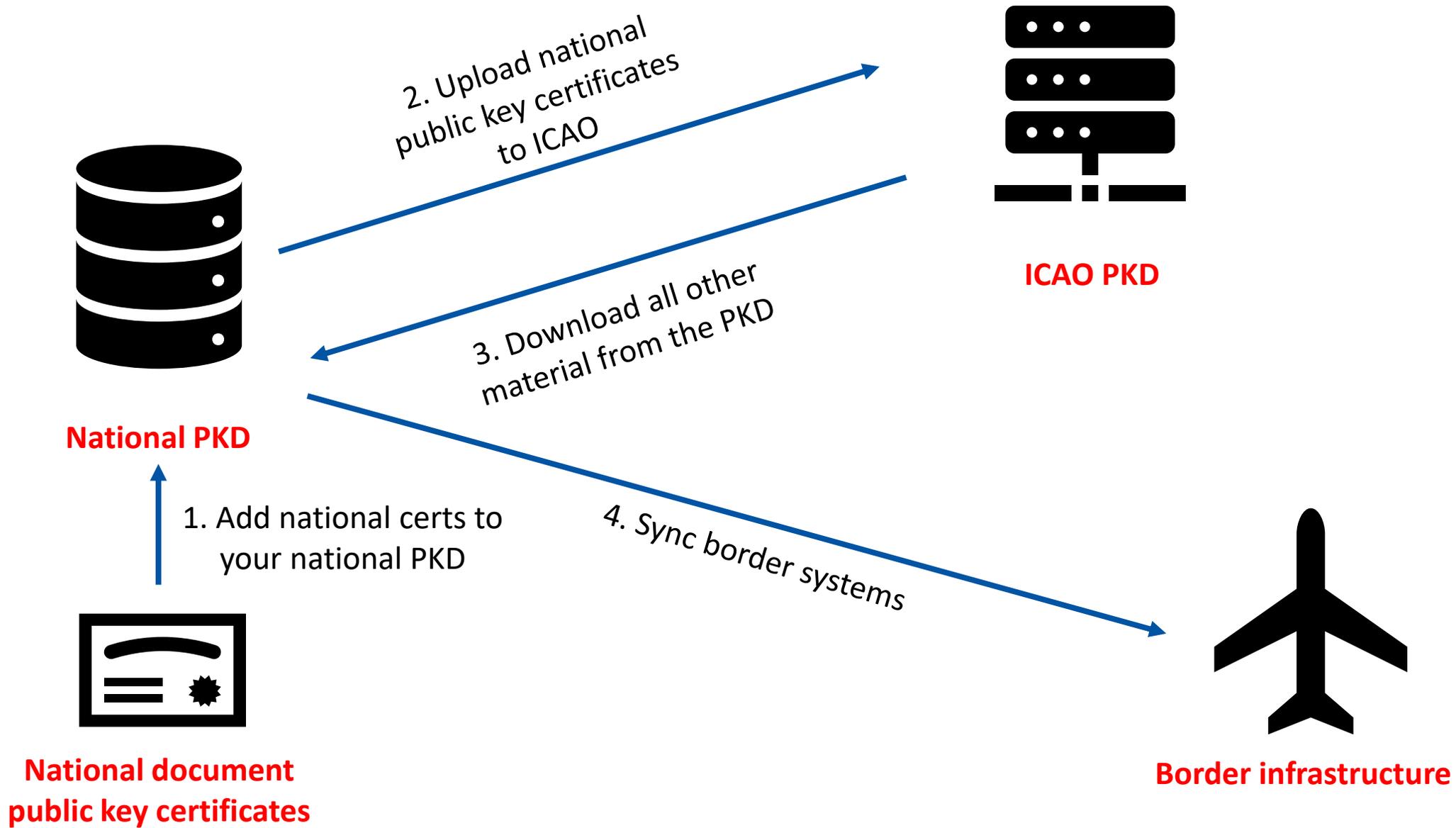
**Establish connectivity between national and ICAO PKDs**

**Establish connectivity between national and ICAO PKDs**

**Upload your material to the ICAO PKD**

**Download all PKD material to your national PKD**

**Ensure all national PKD material is available at borders**



# Vital point 1

National collaboration



Country Signing  
Certification Authority



Document Issuing  
authorities



Borders and verifying  
authorities



## Vital point 2

Leveraging community



Sharing certificates,  
breeding trust



Exchanging knowledge and  
expertise



Driving global  
interoperability



## Vital point 3

Getting ready for the future – now!



ePassports and eIDs very prevalent now



Barcodes and DTCs in the future

Practice makes **perfect**



# Thank You

