



# Introduction ICAO PKD

Higher Travel Security

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Verification devices at border control use certificates in order to prove **authenticity** and **integrity** of **ePassports**.

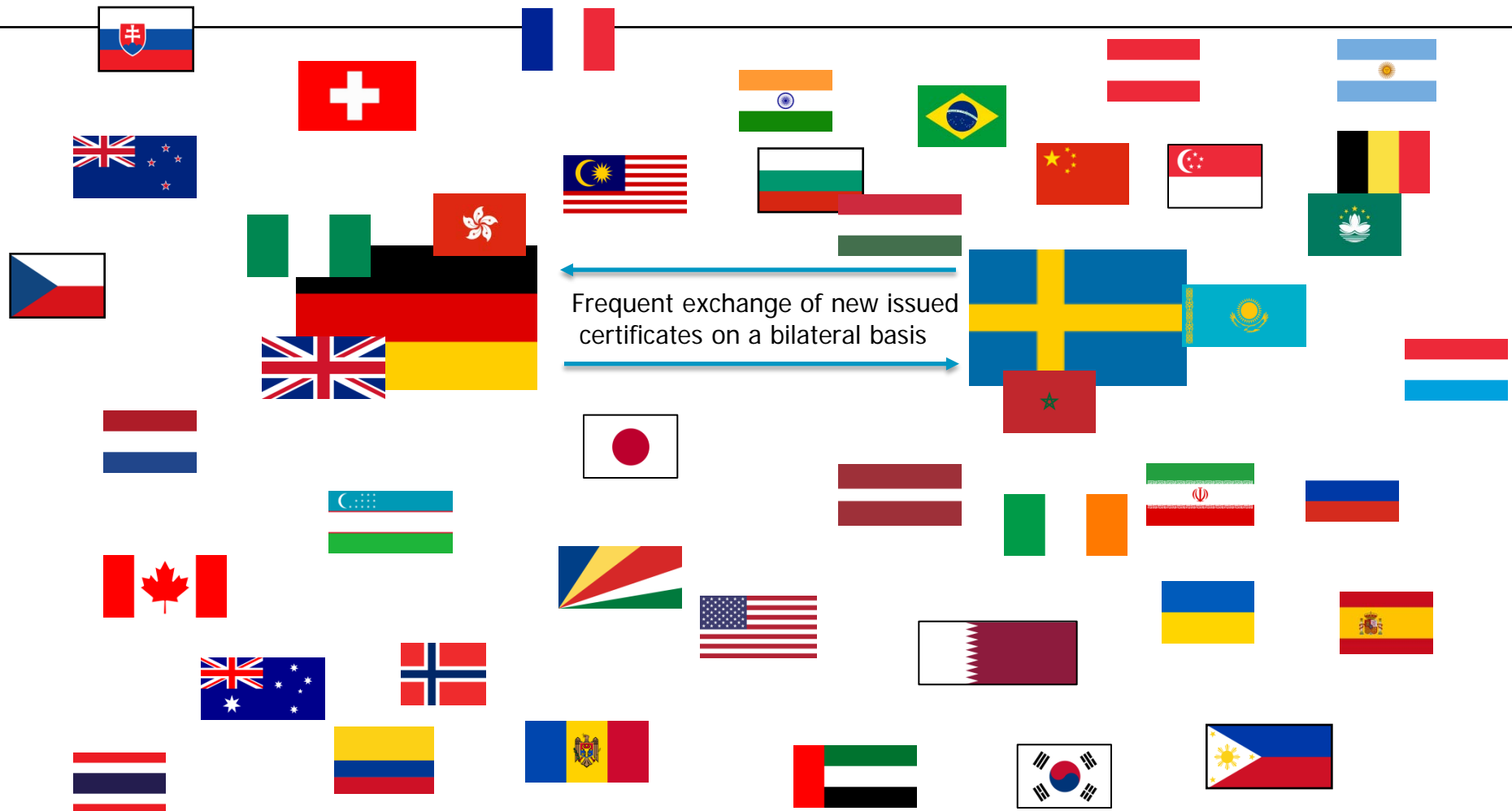
Note: e.g. SPOC has a different purpose, matching passport and passport holder

## Certificates exchanged:

- CSCA Certificates
- Document Signer Certificates
- Certificate Revocation Lists

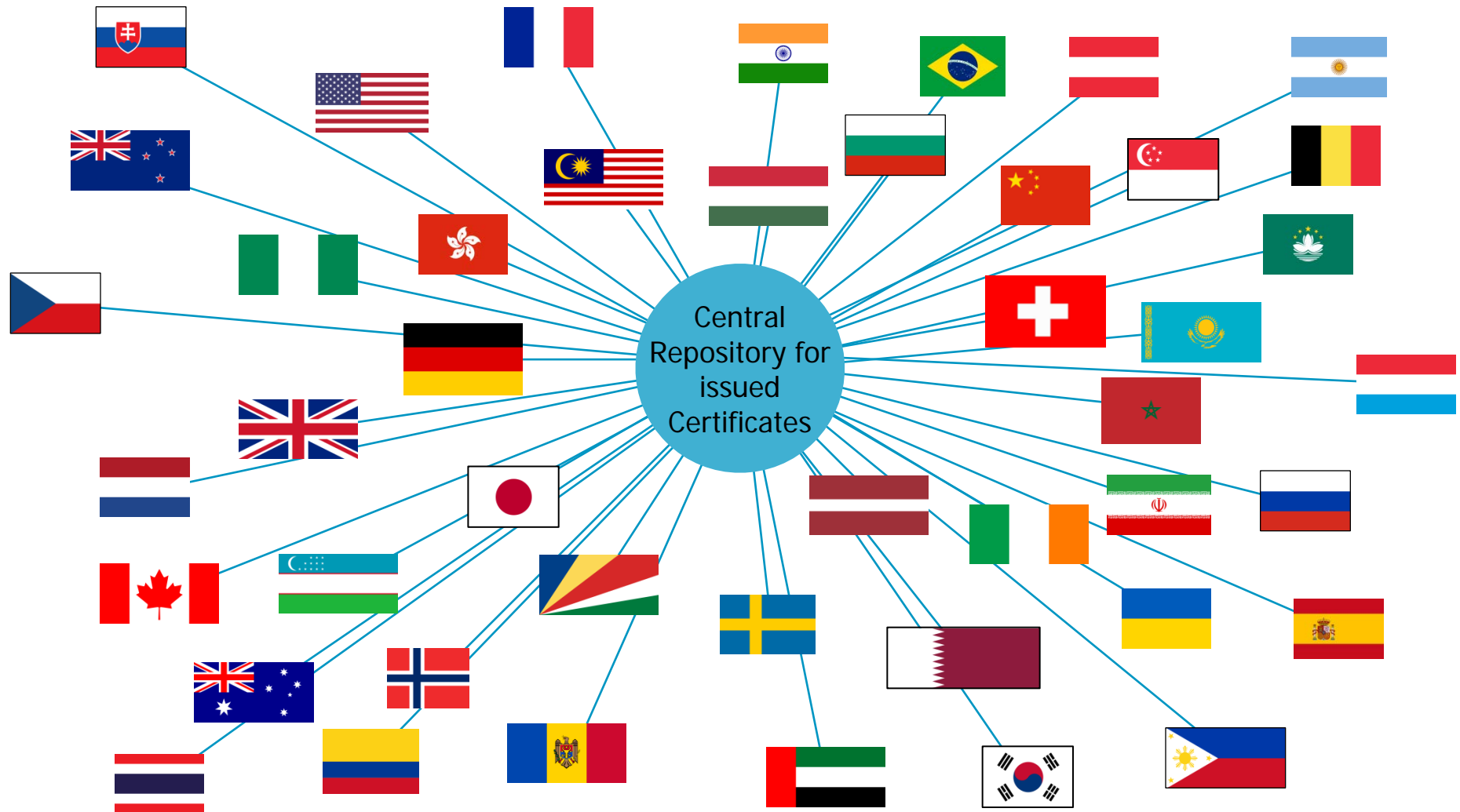


# What is the purpose of the ICAO PKD?

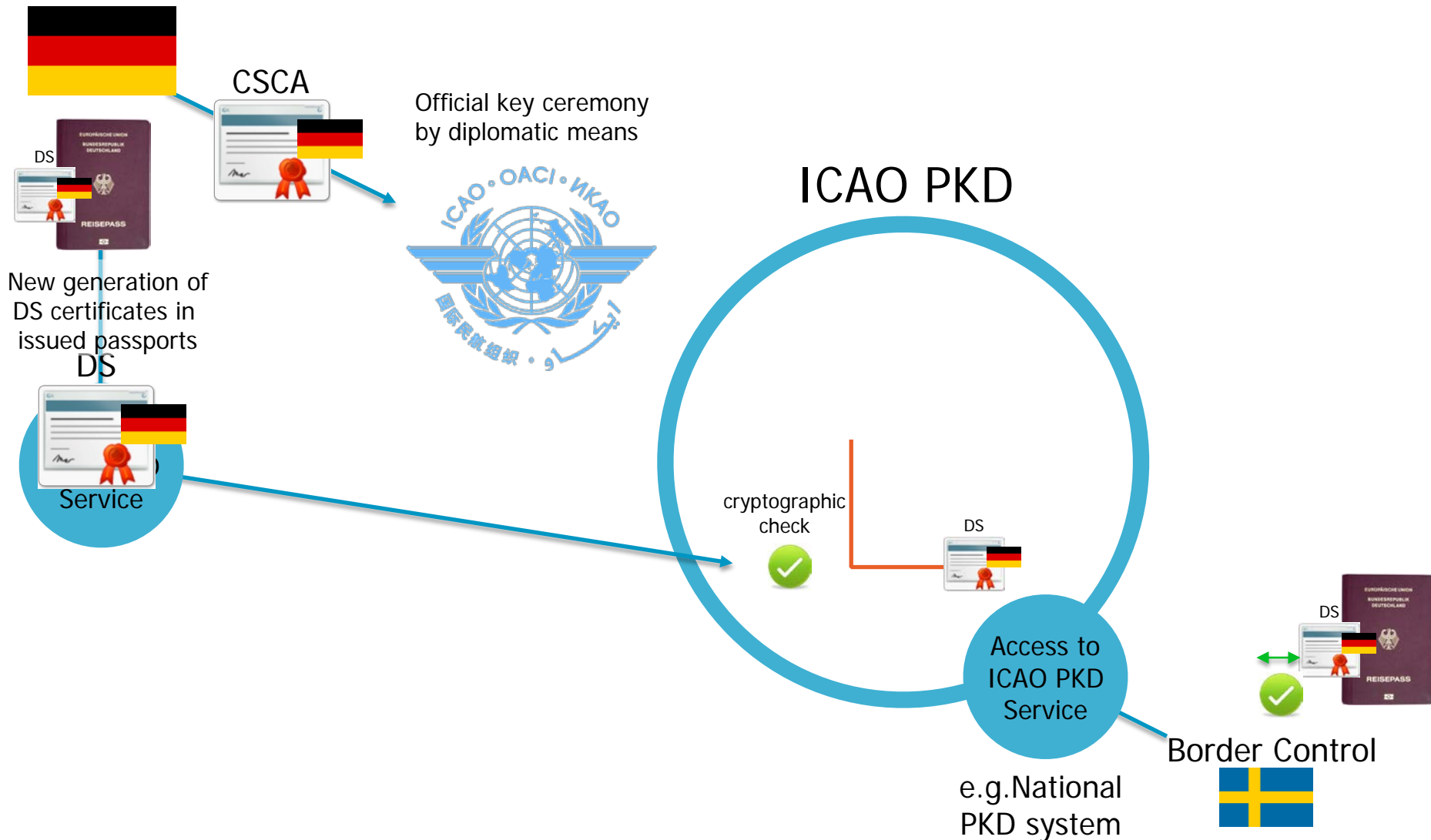


As of May 2015, the ICAO PKD Participants include Argentina, Australia, Austria, Belgium, Brazil, Bulgaria, Canada, China, Colombia, Czech Republic, France, Germany, Hong Kong SAR, Hungary, India, Iran (Islamic Republic of), Ireland, Japan, Kazakhstan, Latvia, Luxembourg, Macao SAR, Malaysia, Moldova, Morocco, Netherlands, New Zealand, Nigeria, Norway, Philippines, Qatar, Russian Federation, Seychelles, Singapore, Slovakia, Republic of Korea, Spain, Sweden, Switzerland, Thailand, Ukraine, United Arab Emirates, United Kingdom, United States, United Nations and Uzbekistan

# What is the purpose of the ICAO PKD?



# ICAO PKD - how does it work?

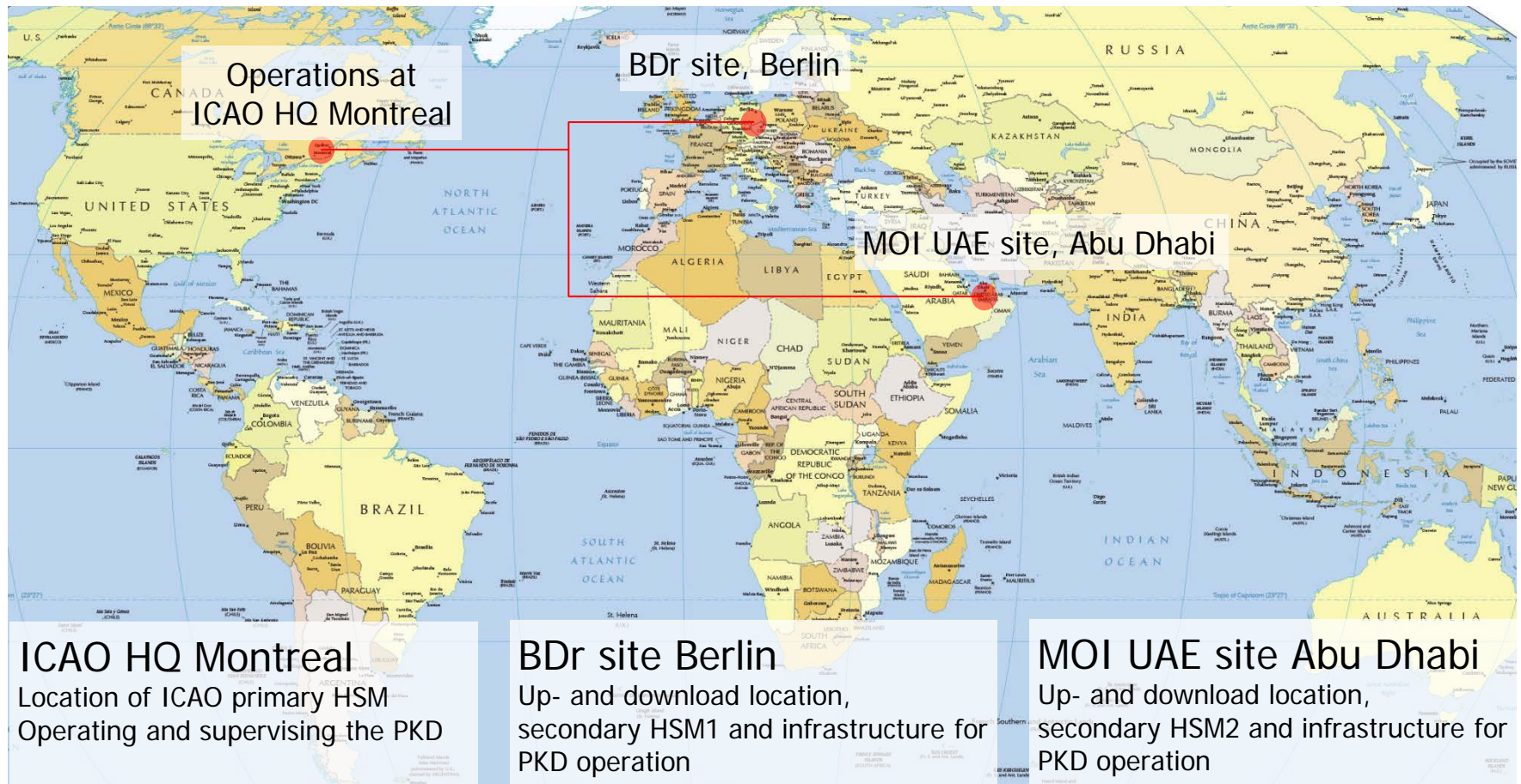


## Unique chain of trust:

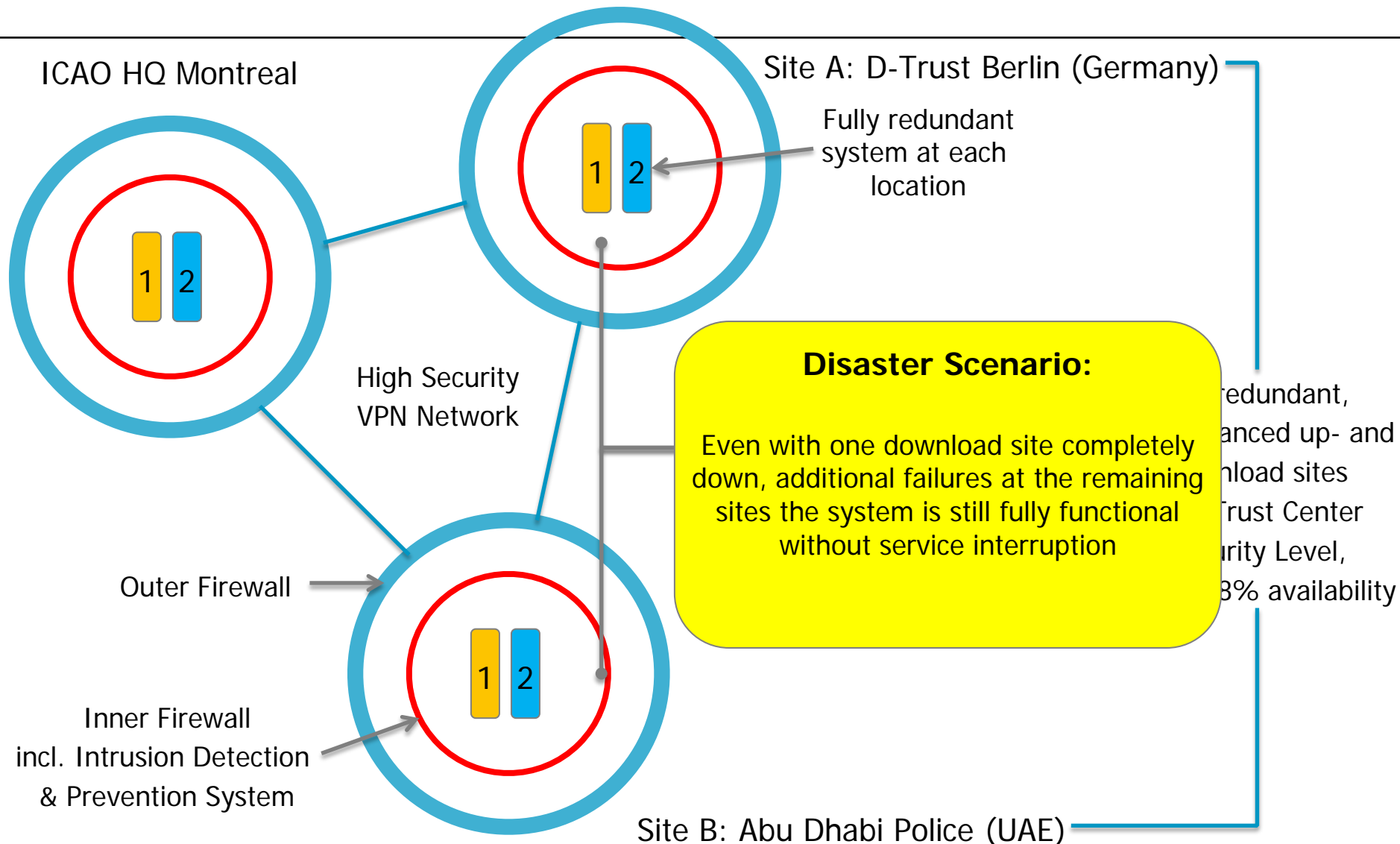
- Supervision by ICAO as supra-national institution
- Transparent and reliable processes (initial key ceremony at ICAO HQ)
- High security and high availability of ICAO PKD system, available end of 2015

## Additional advantages:

- A combination with National PKD systems (nPKD) allows for secure and automated distribution of certificates to border control stations nationwide
- Live support via phone and ticket system

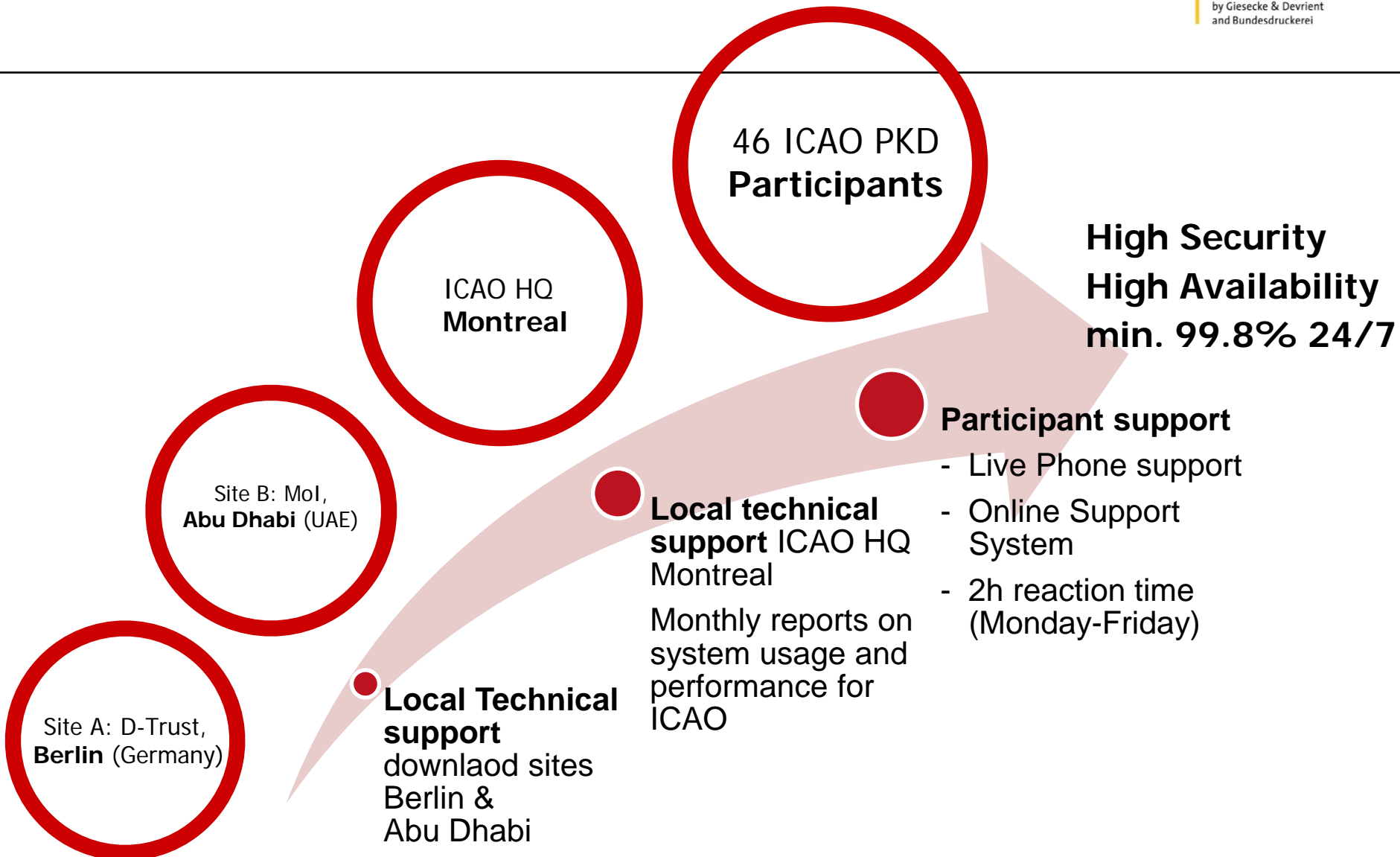




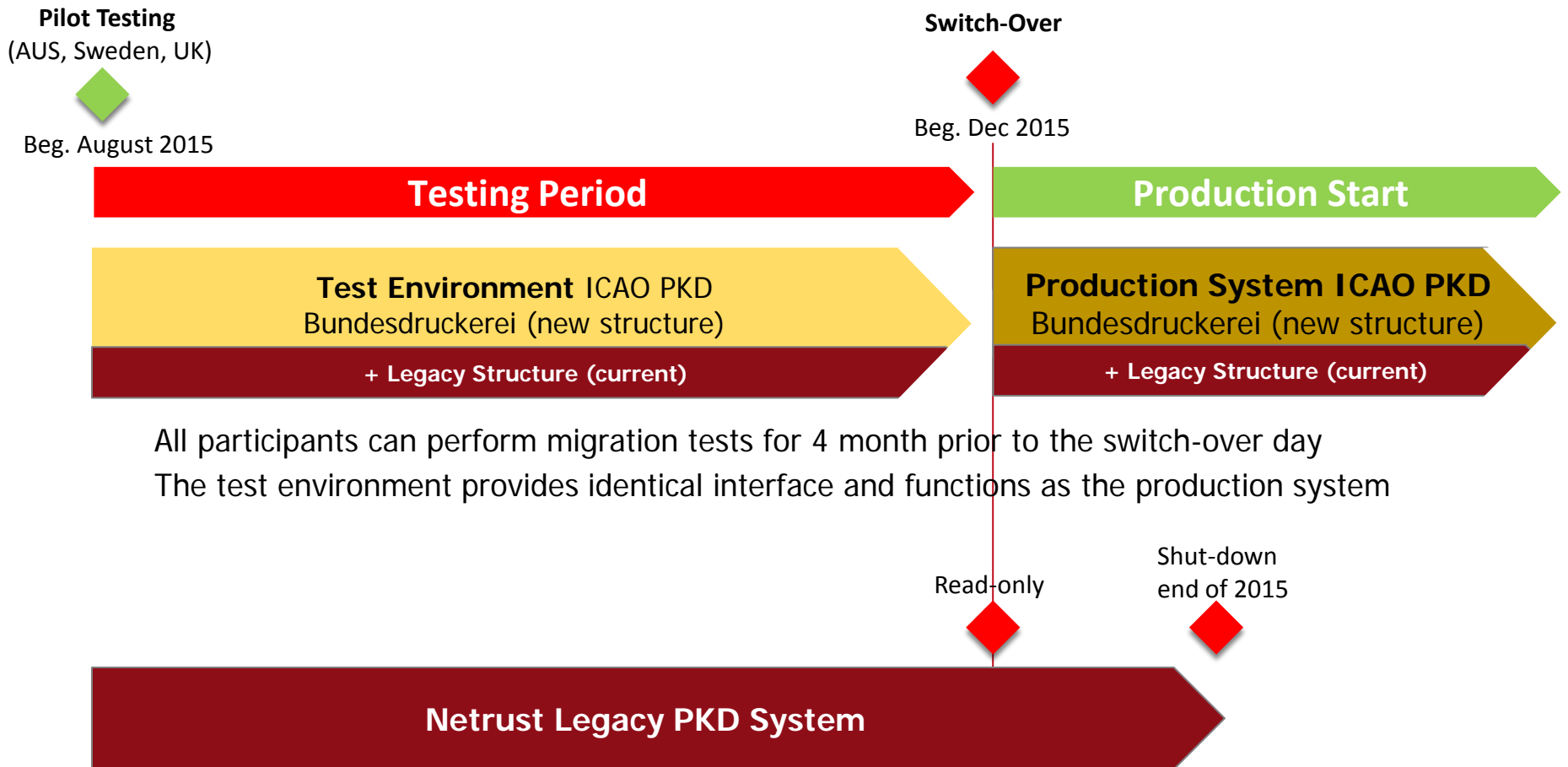




# Support for ICAO PKD by Veridos/BDr



# Schedule & Transition to new ICAO PKD



# Project Setup – involved companies

## ICAO



Customer and ICAO PKD system principal

## Bundesdruckerei



Prime Contractor Bundesdruckerei GmbH

**D-TRUST**  
REGISTERED  
TRADEMARK OF  
BUNDESDRUCKEREI

## D-Trust

IT operations ICAP PKD  
Housing the ICAO PKD  
System – Site Berlin  
Local service Berlin



## Abu Dhabi Police GHQ

Housing the ICAO PKD  
System - Site Abu Dhabi

الشركة الإماراتية للأمن  
التطبيقات الأمنية لأبوظبي  
Emirates German Security Printing Ltd

## EGSP

Local service  
Abu Dhabi

**VERIDOS**  
IDENTITY SOLUTIONS  
by Giesecke & Devrient  
and Bundesdruckerei

## Veridos

Service Management  
ICAP PKD System  
Local service Montreal

# Thank you for your attention!



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