

ICAO 

2024 **TRIP**
ICAO
SYMPOSIUM

MONTRÉAL , CANADA | NOVEMBER 13-15



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Co-Chair – ICAO Digital Travel Credentials Policy Sub-Group

Chairperson – ICAO Implementation and Capacity Building
Working Group (ICBWG)

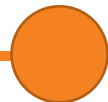
Director – International and Product Strategy Department of
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DIGITAL TRAVEL CREDENTIAL

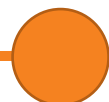
DTC



Passports Timeline: Transformation



1985
Machine-readable



2005
ePassports



2023
Digital Travel
Credentials

And LOTS
of other
credentials



DIGITAL TRAVEL CREDENTIAL

DTC

What is?
What isn't?

VOTE: Is this a travel document?



Or document that can be used for travel in some circumstances?

Digital credential

Verifiable credential

Could be used for travel
or in the travel
continuum but...



ICAO Digital Travel Credential (DTC)

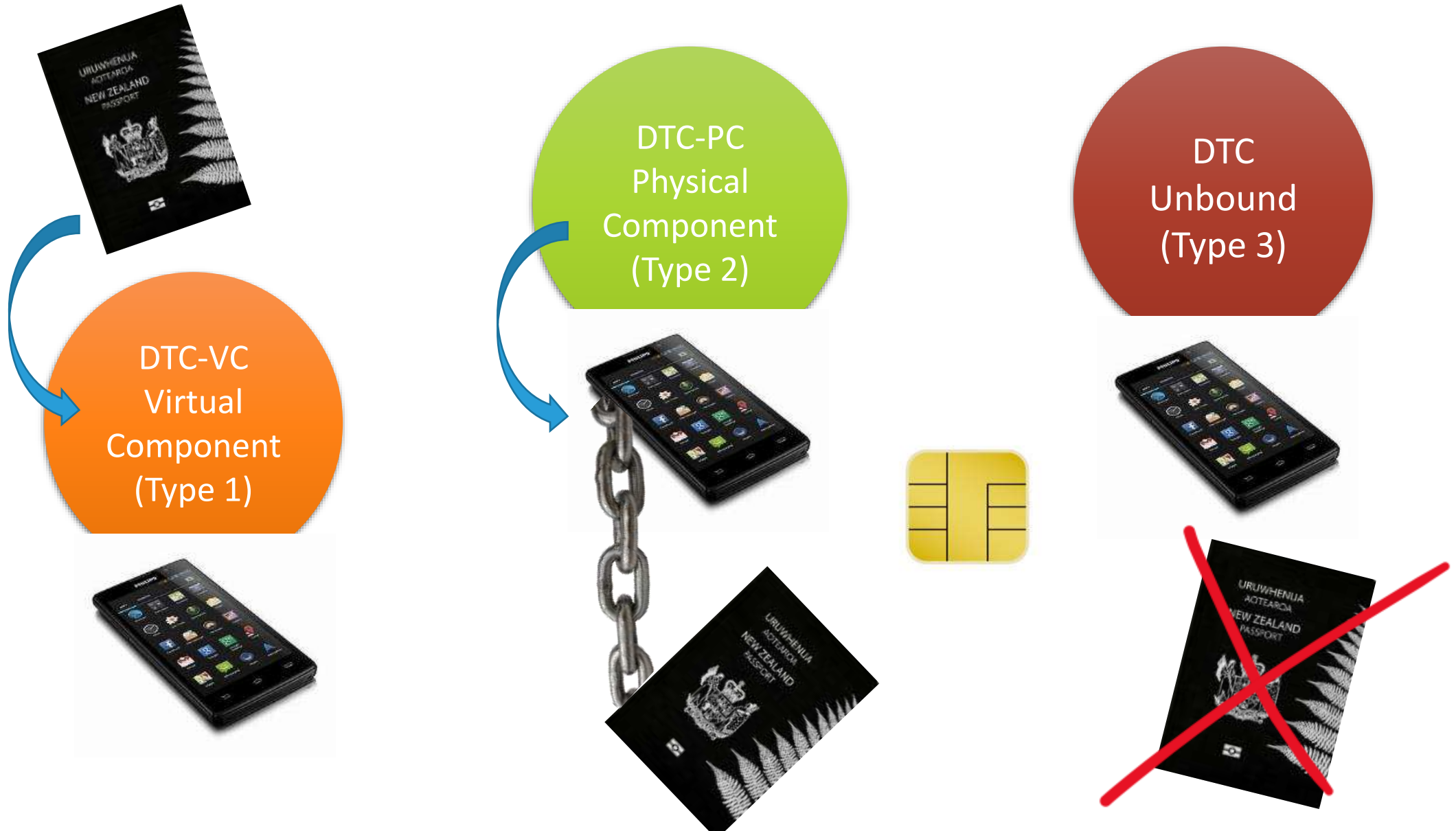
From ePassport to the ICAO DTC-VC and DTC-PC (Hybrid Model)



An ePassport can be viewed as a combination of:

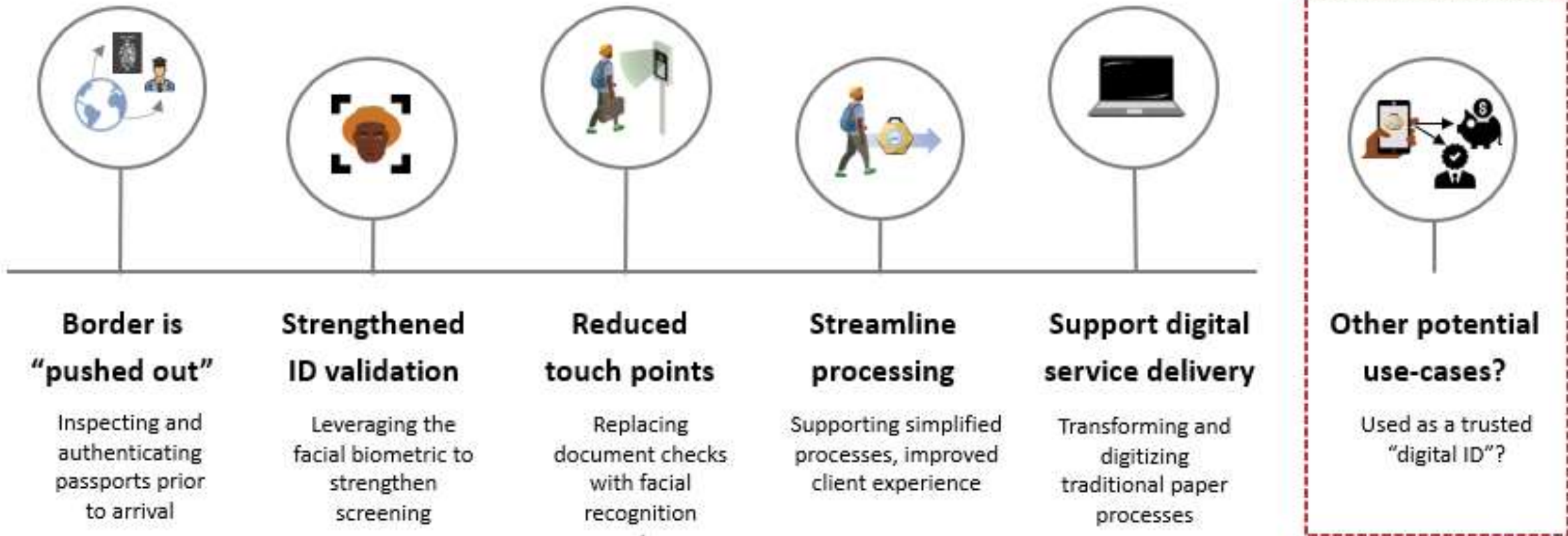
- A **Virtual Component (VC)** consisting of the data contained in the chip;
- A **Physical Component (PC)** consisting of the booklet and/or cryptographic link between the VC and the PC and acts as an **authenticator** (second factor).

ICAO Digital Travel Credential



Use Cases :

- Seamless Travel
- Advance Travel Authorization (ETA/DTA/...)
- Improving border processing time
- Emergency Travel Document



ICAO DTC Specifications

- ICAO DTC-VC Technical Report approved in 2020
- ICAO DTC-PC specifications divided into phases
 - Phase 1 – maintain backward compatibility (inspection systems) and replicate behavior of eMRTD – The Technical Report approved 2023
 - Phase 2 – investigate other form factors like mobile phones – gap analysis
 - WHAT MIGHT WE HAVE TO TRADE OFF TO MAKE THIS WORK?
 - CAN WE SECURE THE PHONE?
 - ACTIVE AUTHENTICATION/CHIP AUTHENTICATION
 - ePASSPORT ECOSYSTEM AND NON-COMPLIANCE
 - BIOMETRIC QUALITY AND PERFORMANCE?
 - PRIVACY?

ICAO Digital Travel Credential



Unbroken PKI link to
issuing authority

PKI available without
impediment

Thank You

