



| ICAO

TRIP 2022

SEAMLESS AND CONTACTLESS

Sharing data to accelerate the recovery

13 - 15 SEPTEMBER 2022

ePassports – Benefits and Considerations

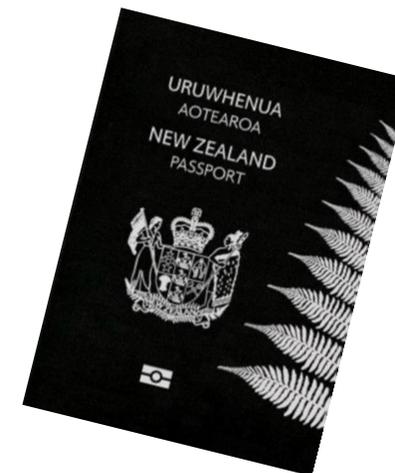
Dion Chamberlain

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

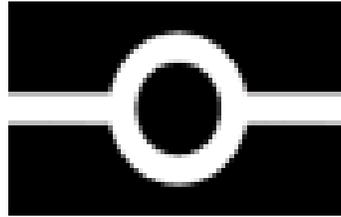
Manager Product Development, Strategy and
International Engagement – Department of
Internal Affairs, New Zealand



- What the ePassport does
- Benefits
- Challenges and considerations
- ICBWG and Standards Work



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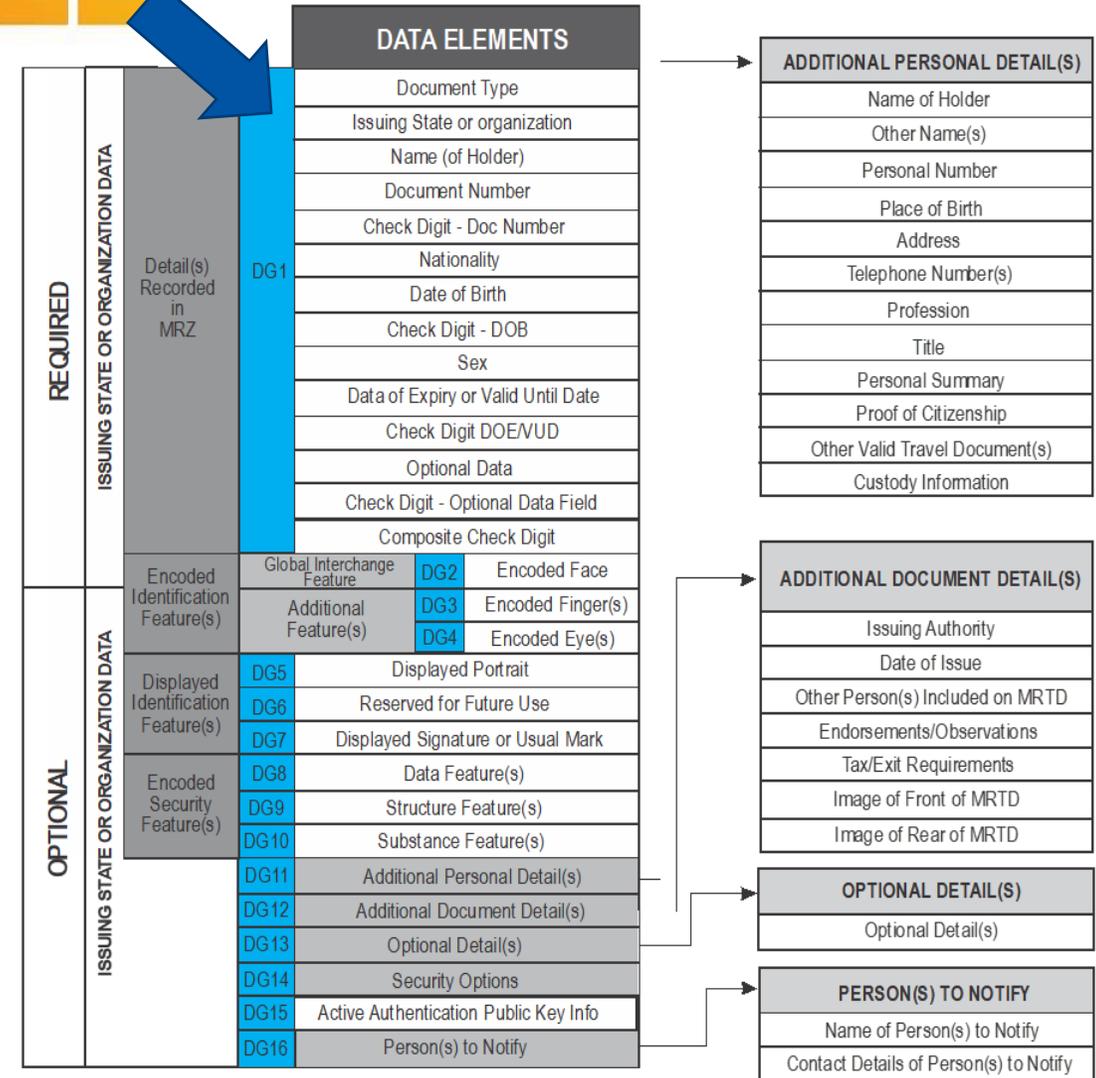
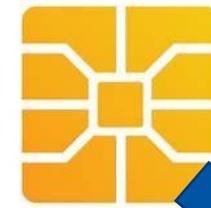
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The ePassport chip contains data elements from the biodata page, and can include other additional details.

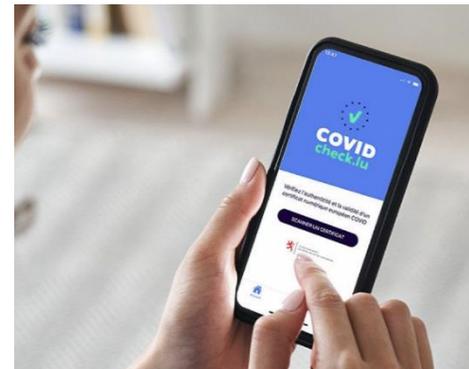
Biodata and the biometric image are digitally signed by the issuing authority's Public Key Infrastructure (PKI), and can be verified using shared digital certificates.

The signed packet of data is powerful, and opens up possibilities that the physical passport alone cannot.



Benefits:

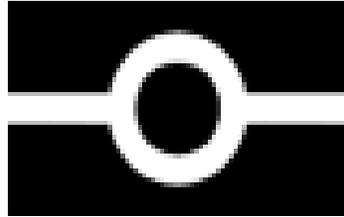
- Security – image and biodata on the physical passport are replicated and signed and cannot be altered
- Facilitation – can provide automated clearance when read and validated
- ePassports – mature, anti-skimming, data protective and patent free
- ePassport data and associated technology investments can facilitate other use cases (travel continuum, digital credentials, self sovereign ID)



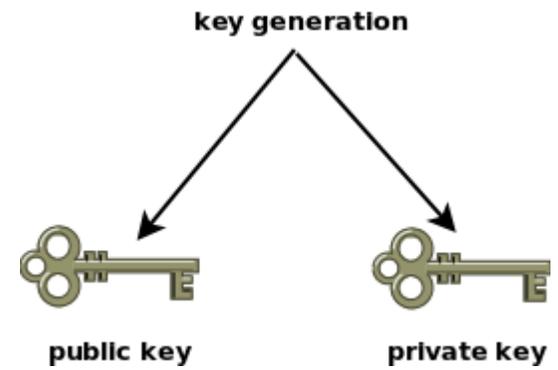
How the modules combine as an integrated service
Overview



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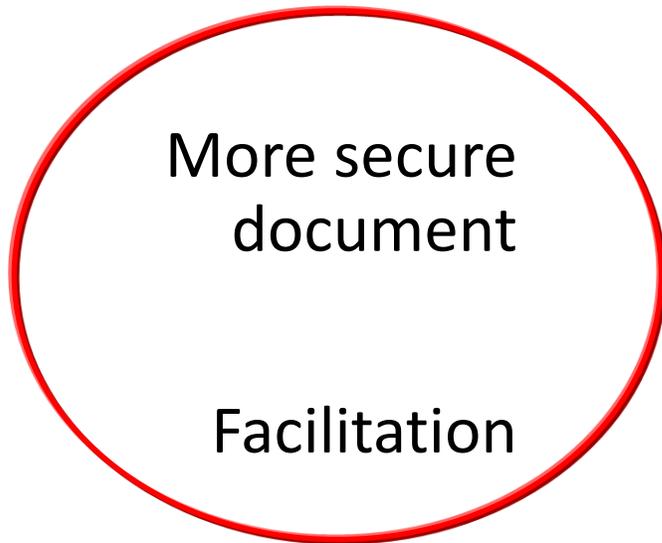


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DRIVERS

Prestige/reputation



IF you read and validate the chip



IMPLICATIONS

Books cost more

Expensive technical infrastructure

Biometrics

Public Key Infrastructure (PKI) must be used

Considerations

- ePassports are **NOT** a mandatory standard under Annex 9 of the Chicago Convention
- Are you ready for an e-Passport? Strengthening Evidence of Identity processes should take priority over any upgrade to ePassports (Air Transport Council (ATC) has agreed this)
- ePassports alone will not increase your citizens visa-waiver or visa-free access. Is the increased costs/fees of benefit to your citizens.
- What is the problem you are trying to solve with an ePassport? Facilitation is by far the biggest benefit – is that your main challenge?



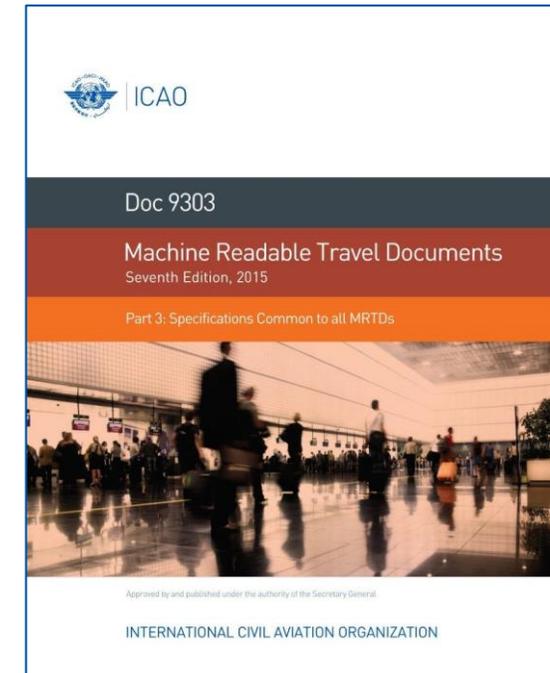
ICAO TRIP Guide on
**EVIDENCE
OF IDENTITY**



ICAO Security and Facilitation

ICAO and ICBWG Work

- Guidance and advice
- Non-compliance group – identifying issues and notifying States
- Doc 9303 Compliance Scheme
- Analysis on the Benefits and Impacts of ePassports as a Mandatory Standard





ePassports – Standards Discussion

Join the work – have a voice
icbwg@icao.org

Thank You

