

TRP2222 SEAMLESS AND CONTACTLESS Sharing data to accelerate the recovery

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Overview

- Considerations
 - Different practices for issuance of COVID-19 PCR test results
- What could the Digital Health Proof solutions be based on
- Existing health systems
- Timeframe for a Digital Proof of health status
- Outline of our Implementation
- Verification and Authentication- Apple- Android
- International Outreach and Consultation
- Lessons learnt



Considerations

- National Health Direction for COVID-19 Pandemic Response
 - Our State and Territories practices
 - Different practices for issuance of COVID-19 PCR testing results
 - Different implementations
- What the Digital Health Proof solutions could be based on
 - available standards, allow global interoperability
 - Aren't specific to a particular region or propriety in nature
 - Reuses or aligns with existing infrastructure used for ePassport issuance and Public Key Infrastructure already in place.
- Current Australian Health systems

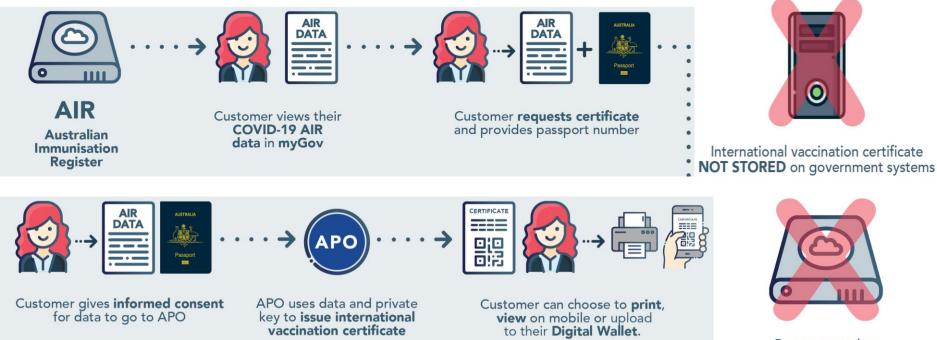


Outline of our Solution

- Connecting to the government existing services platform myGov for citizens and residents
- Getting the Vaccination records through Medicare service linked to Australian Immunisation Register
- Request International COVID-19 vaccination certificate (ICVC), provide passport details
- PKI infrastructure signs ICVC content, system generated COVID-19 Vaccination Certificate
- Send ICVC to requestor Put in myGov, IATA Travel Pass, Apple or Android wallet



Data flow



System Components

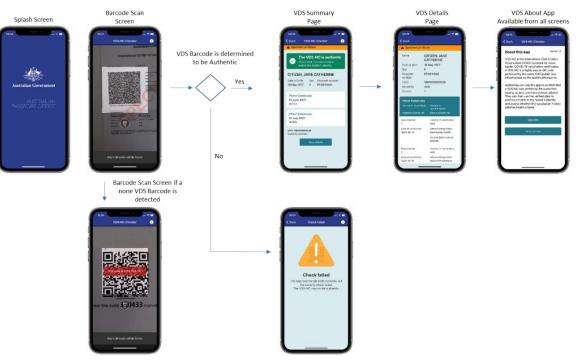
- myGov platform
- Medicare AIR connection
- Services Australia service to service connection-
- Visible Seal Generation Service (VGS) Utilises open source code and

licenced PDF 2.0 system

- Covid-19 Certificate Signing Service (CSS)
 - CentOS
 - HSM Luna S7
- High Availability and Redundancy
 - Multiple instances in separate data centres
- Disaster recovery using a hybrid Cloud solution for the Certificate Signing Service.

Verification of the VDS-NC QR Code

- DFAT have developed a VDS-NC Checker to confirm the QR code details haven't been altered
 Barcode Scan Screen
- Added the Japanese Naru, Vanuatu and
- Kirabas CSCA.



Mobile VDS-NC Checker APP

- Working with Pacific nations to get their COVID-19 Health Proofs peer reviewed and CSCA included into the ICAO Health MasterList
- Australian Passport Office · GitHub
- https://github.com/australian-passport-office



Regional Support of Covid-19 Health Certificates

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