

National PKD and E-Passport validation Solution

The Business Challenge

E-Passports are the most secure of travel documents. Without proper validation of the contents of the chip in an E-Passport, the advantages of this increased security are not realised. The challenges to proper validation of the chip include:

- Distributing your credentials to others through the ICAO-PKD
- Sourcing of CSCA/DSC/CRL from multiple countries
- Ensuring proper due diligence before using the certificates
- Distribution to all validation points (border control)
- Hiding the complexity of the validation process and results from the border control officer
- Central management of Validation policies



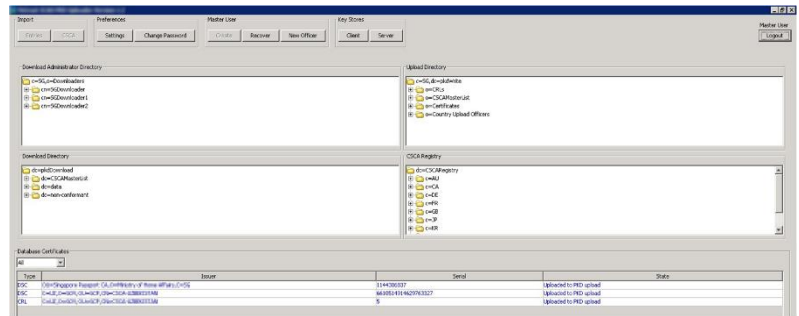
Our Solution

Auctorizium provides a modular solution that overcomes the challenges listed above. These can be integrated as needed, based on the requirements and architecture of the country's own infrastructure.

Distribution through the PKD

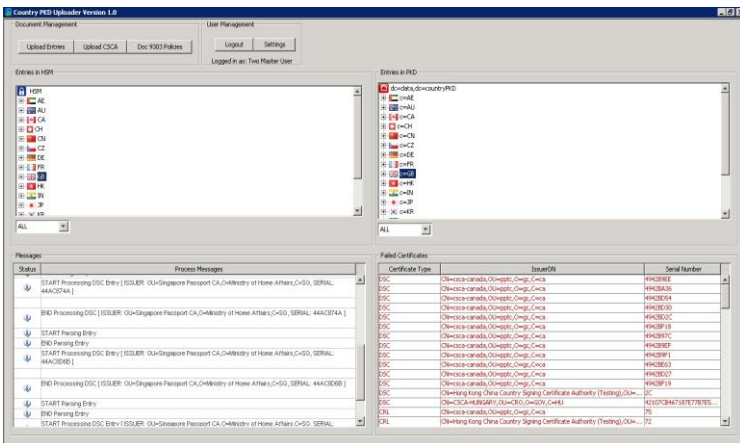
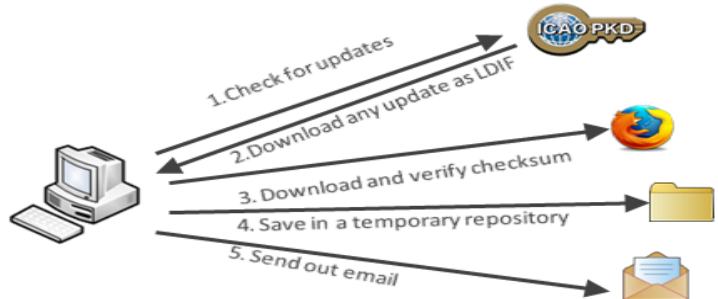
The Auctorizium iNtegrate is a comprehensive implementation of PKD interface specifications. It takes away all the complexity involved in interfacing with PKD sites.

- Inbuilt Doc 9303 compliance Check
- Effortless Management of download credentials
- Seamless management of connection credentials
- Unified view of a ICAO PKD upload's lifecycle



ICAO PKD Download module

- Implemented as a service
- Checks ICAO-PKD on a scheduled basis
- Can be configured for automatic download and notification
- Configurable to check Websites/other sources for DSC/CRL of non-Participants



National PKD upload module

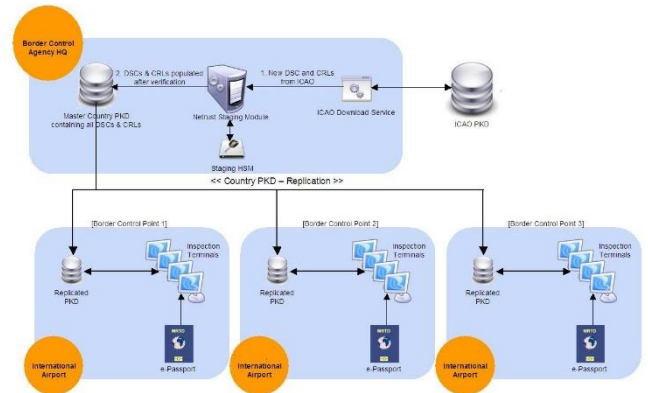
- Import of CSCA Certificates Obtained Through Diplomatic Channels
- Import of CSCA Certificates Obtained Through Master Lists
- Import of ICAO PKD LDIFs
- Import of DSCs, CRLs and Master Lists obtained from other channels
- Enforcement of due diligence processes for importing other country credentials

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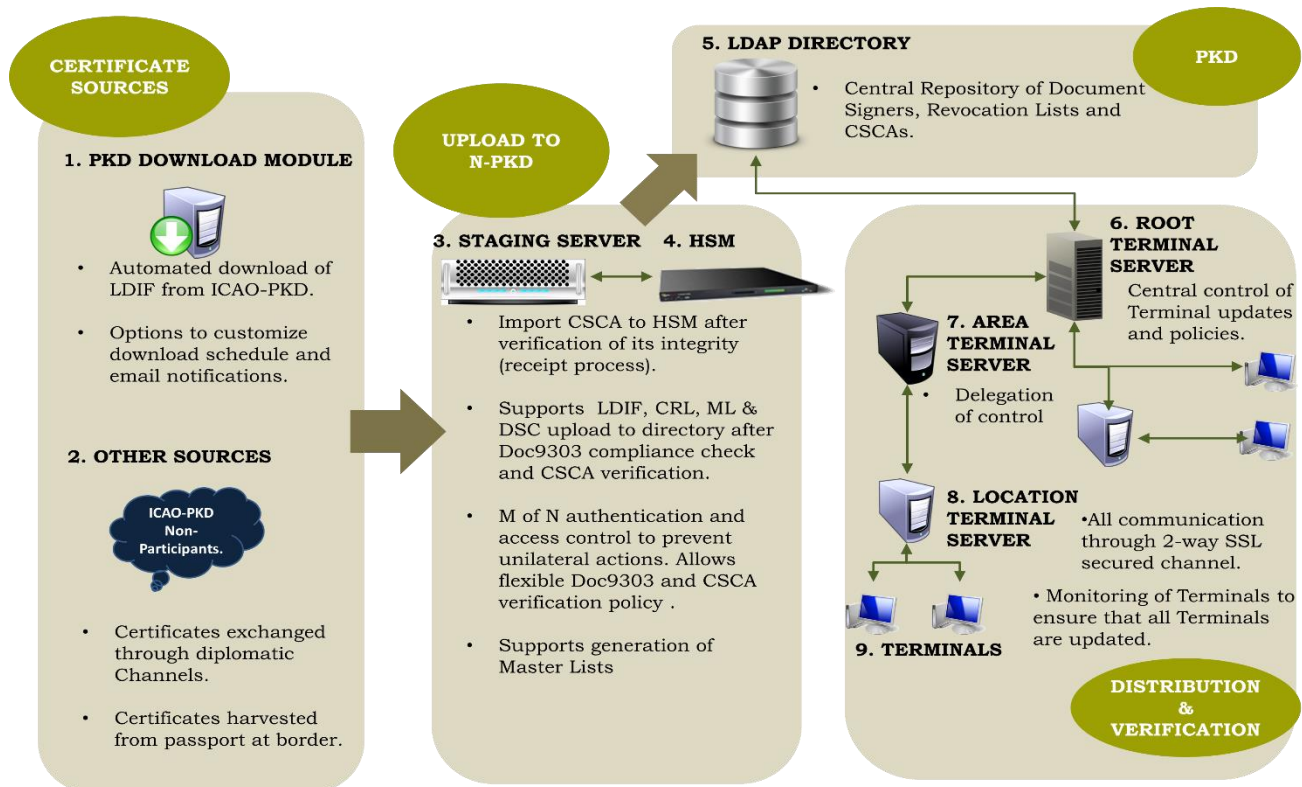
Terminal Server

- Hierarchical distribution model to all terminals
- Allows for centralized policy setting for validation
- Push-Pull interactions with Terminals
- Centralized mapping of Validation results to outcomes (trust levels)
- Policy setting per terminal/per country/per border granularity
- Central view of health of Terminals
- Centralized logging and analysis of validation results



Validation module

- Available as a Java library or a DLL.
- Manages implementation of the centrally defined policy at the Terminal.
- Two simple function calls for integration with other applications.
- The result of this verification process is a verification status and a trust level.
- The verification status refers to a state that is reached whereby no further processing can occur while the trust level indicates how well the passport can be trusted.
- This mapping can be customized centrally and its changes propagated down to individual border control terminals.



About Auctorizium

Auctorizium is a provider of solutions to validate E-Passports at the borders. This includes the setting up a National PKD, and border control applications that follow best practises in assuring the integrity of E-Passports. Auctorizium is an ISO27001:2013 certified company and has accreditation as SaaS cloud service provider under the Singapore Standard SS 584:2013.

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AUCTORIZO (medieval Latin)

- to confirm, approve, authenticate.