Ministry for Primary Industries
Manatū Ahu Matua

Authentication of electronic certificates in cross border trade - MPI E-cert

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Growing and Protecting New Zealand

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Access options for importing countries

- Online web access with UI (since 2002)

- SOAP services for automated (XML) data exchange (since 2005)

Security

- Firewalls prevent malicious activities
- 256 bit SSL encryption for both the website and any data transmissions
- No public access. Usernames and passwords are never transmitted over the Internet in clear text, as all data is encrypted.
- SOAP transactions (data exchange) can include Digital Signature Verification to ensure that data
  - Comes from MPI
  - Has not been tampered with en-route
  - This contains another 256 bit SSL private/public key exchange

Cross border data exchange

- Online web access available to all countries

- SOAP services preferred solution

- SOAP exchange in place with 37 countries (including all EU member states via the EU IMSOC system)

Digital signature

- Implemented in 2016, available to all countries exchanging data with MPI E-cert.

- Additional solution (to meet EU relevant legislation) developed in 2020.

- Only 3 countries, excluding EU, validate MPI E-cert digitally signed XML message.