Electronic Certification

- More Reliable
- Easier
- Smarter
- Plants & Plant Material (E-Phyto)
- Animal & Animal Products
- Food (CODEX) under development
- UNCEFACT SPS XML Standard

Operational Exchanges NL

- China (Paperless Dairy)
- USA
- South Korea
- Chile
- Kenya
- Australia

Challenges

Topics for WTO – sisters :
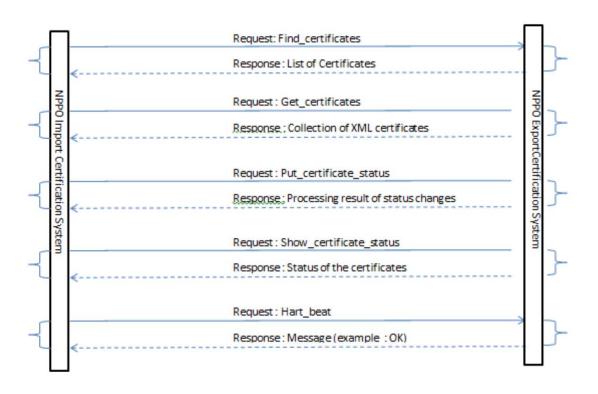
- Mapping
- Codification
- Re- export
- Non-Repudiation

Topic for UNCEFACT

- Implementation & Security at the Exchange of data

Observations/Experiences

- Existing bilateral exchanges are based on Web services
- Functionality more or less the same
- Implementation differ (slightly)
- Standardisation of the implementation will reduce cost of IT Solutions
- Conclusion : Create a best practice that can be used by newcomers
- Existing applications can migrate in their own timeline

Communication Diagram

Functionality

- Find certificates issued by the exporting NPPO
- Get (Download) certificates from the exporting NPPO
- Report the status of a downloaded certificate to the exporting NPPO
- Monitor the status of a certificate
- Detect if the network and services at the exporting country are available (Hart beat)

Security

What is (defacto) Standardised:
- Security of the SOAP Server (HTTP/SSL)

What need to be Standardised:
- Authentication of the Client (Consumer of the WS)

Currently Implmented:
- Username / Password
- Multiple Security Authentication configurations (Basic, Pre-Emptive

UNCEFACT

Create a standard (or add to the existing SPS XML standard) for the exchange :

- Standardized SOAP Services
- Standardized Security