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