



Nederlandse Voedsel- en
Warenautoriteit
Ministerie van Economische Zaken



e-Cert.NL

Bernardus (Benno) SLOT
Senior Responsible Officer e-Certification

Geneva, 2015 October 13



Netherlands Food & Consumer Product Safety Authority

Agency of the Ministry of Economic Affairs (includes Agriculture)

Management Team Client Services Division

- PPP e-CertNL
 - Governance
 - Performance
 - Maintenance
 - Financial management
 - Research & Development



Content

- The National Certification System (e-CertNL)
- “What” is considered electronic certification
- “How” does Electronic Certification work
- International projects (e-Cert)
- PoC Paperless
- Next steps



CLIENT Program

“Smarter Inspections by Smarter Communication”

- Import (2002-2004)
- Export (2004 -2015)
- E-Certification (2010-20xx)



How we work (paradigms)

- Use (defacto) standards
- Re-use existing solutions
- Improve and integrate proven solutions
- Open systems (support for multiple standards)



Cert.NL

- Electronic support system for import and export certification
 - Application of certificates
 - Decision support for de certifying inspector
 - Automated production of certificates
- Electronic messages
- Signing and Verification Module
- On line Verification module (verification number)



Figures Cert.NL

- 19.000 certificates a week (import&export)
- 2.200 economic operators
- 7 inspectorates
- 650 certifying officers



What is considered to be e-Cert



Electronic Certificate

An electronic certificate is the electronic equivalent of a paper certificate, containing the same information and giving the same guarantee







Electronic Certification

- Certification data
- Transmitted electronically
- Security
- Authenticity
- Non Repudiative
- Directly between Competent Authorities


Exchange mechanism



National
System
Export
Certification



Module to
produce
electronic
certificate



111101101110

Signing
Server

Certificate
Mastering
System

Electronic certificates issued in Exporting country



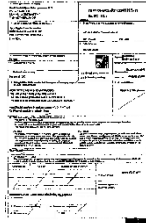
Certificate
Mastering
System



Verification

Document
check

National
system
import



Electronic certificates received in Importing country



Program Planning of Pilots

- Different Commodities
 - Large amount, simple SPS requirements
 - Small amount, complex SPS requirements
 - Veterinary
 - Phytosanitary
- Different Process
 - Import
 - Export
- Different Continents
 - Africa
 - Asia
 - North America
 - South America



e-Certification (Multilateral)

- IPPC - ePhyto (March '15)
- OIE - Encouraging e-Certification as standard for Veterinary Certification
- CODEX - e-Certification recognised but need further implementation
- **UNCTAD - Enabling Developing Countries to use E-cert**
- UNCEFACT - Using the Trade library at implementation at IPPC , OIE and CODEX



e-Certification (Bilateral)

- China (v)
- USA (f)
- Australia
- Chile
- Kenya
- South Korea
- USA
- Colombia
- Hong Kong
- Indonesia
- Peru
- Turkey
- Argentina
- Bolivia
- Brazil
- Canada
- EU Member States
- Japan
- Malaysia
- Mexico
- Russia
- South Africa
- Chinese Taipei
- Thailand
- Ukraine
- Uruguay
- VAE
- Vietnam



PoC Paperless

- China
- Start e-Cert May, 2011
- Parallel run
- e-Cert leading, October 2011
- E-Signature, 2012
 - Legal document
- Operational procedures
 - Statement for B2B
 - Replacements
 - No procedural changes
 - Legal (Embassy)
 - Administrative (CA's)
 - Technical (E-Cert teams)
- Issues
 - Letter of Credit



e-Cert figures

Start 2011, 5th of May

Australia 3.580

Chile 2.712

China 27.655

Kenya 14.680

South Korea 1.408

USA 8.914

Total 60.949



Next Steps

- Opportunities for colobaration
- Harmonisation
- Standardization of implementations
- Digital evidence
- Open import requirements



Contact

Bernardus (Benno) SLOT
SRO Electronic Certification Systems

E b.slot@nvwa.nl

T +31 88 223 24 50

W www.e-cert.nl

