



e-CertNL

Netherlands Food and Consumer Product Safety Authority

(NVWA)

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Content

- The Mission of NVWA
- The Why of Electronic Certification
- The National system (CertNL)
- International projects (eCert)
- Project approach
- Results on e-Phyto HUB



Mission



The NVWA safeguards the health of animals and plants, animal welfare and the safety of food and consumer products and maintains the legislation in the field of nature.

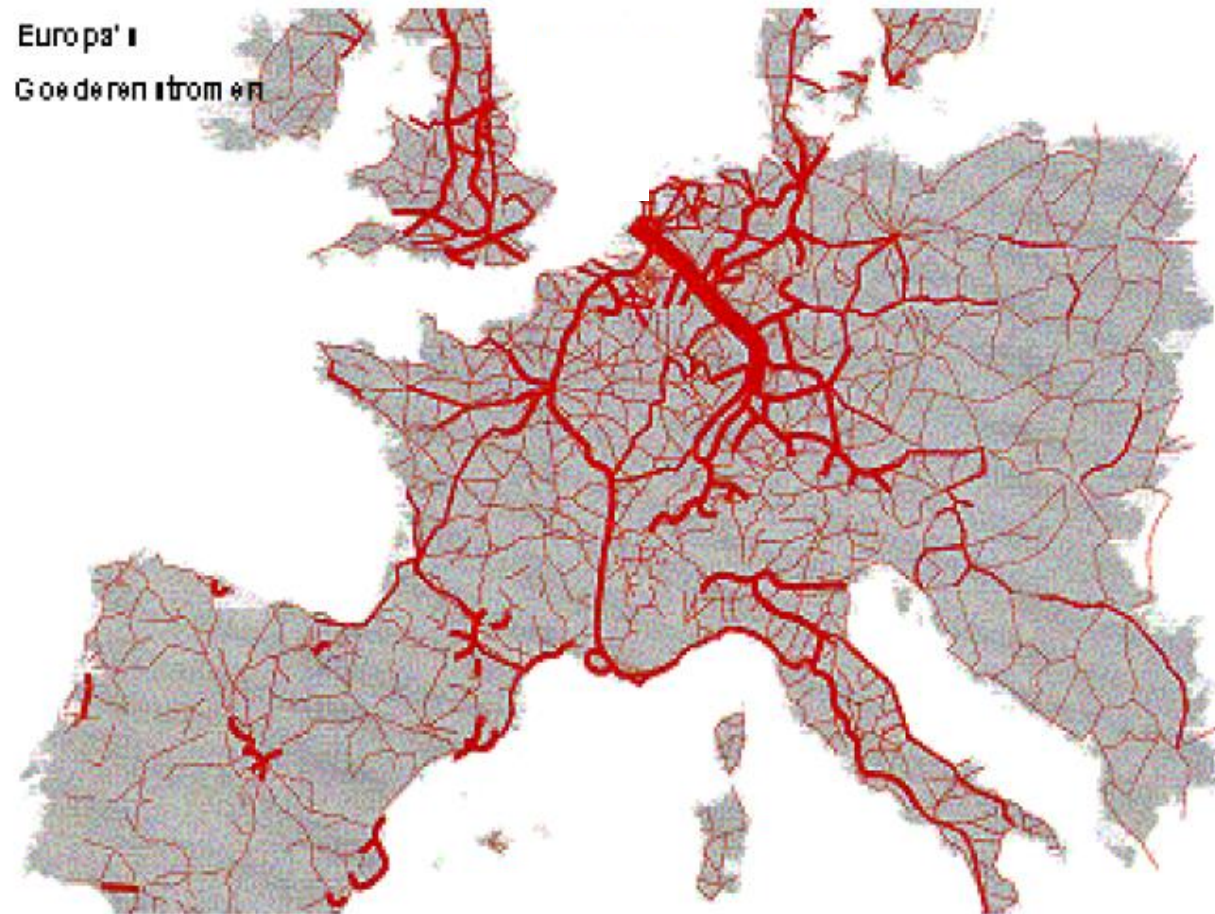




The Why of Electronic Certification



Flow of goods in Europe





Why?!

Private Sector

- Speed up border clearance
- Reduce transaction costs
- Reduce administrative burden

Government

- More efficient certification process
- Contributes to Risk based enforcement
- Reduced fraud
- Prerequisite to paperless



CertNL

- Electronic support system for import and export certification
- Application of certificates
- Decision support for de Certifying Inspector
- Automated production of certificates
- Electronic messages
- Electronic Signing and Verification
- Information Tool Policy Making
- Source for Open Data



NL Approach to bilateral cooperations (pilot stage)



Project Staging

- Initiation , Planning & Decision making (Feasibility)
- Design of the Import and Export Certification Modules
- Simulation & Testing
- Pilot (parallel run)
- Evaluation & End Seminar
- Go / No-go



Initiation

- Feasibility study
- Commodities
- Standards
- Planning
- Budgetting

Result : Work plan & Kick-off



Design

- XML Schema *
- Mapping*
- (Signing & Verification)
- Exchange Mechanisms *
- Changes to Procedures
- Changes to IT systems

* Supported by standards (e-Phyto for Plants & Plant Products)



Simulation & Testing

- System Test
- Functional Test (fit for purpose)
- User Acceptance Test (fit for use)
- Acceptance Criteria
- Evaluation
- F2F meeting



Parallel Run

- Confidence
- Emergency & Recovery procedures
- 2 – xx months



Evaluation & End Seminar

- Go /No go
- Lessons Learned
- Procedures & Follow up
- Maintenance & Support
- Changes & Releases
- Problem & Incident handling



e-Certification

- Australia
- Belarus
- Chile
- China
- Colombia
- Hong Kong
- Indonesia
- Kenya
- Peru
- Russia
- South Korea
- USA
- Argentina
- Ecuador
- Mexico
- Philippines
- South Africa
- Thailand
- India
- Japan
- Malaysia
- Nigeria
- UAE
- United Kingdom



e-Phyto Participation

- UNCEFACT SPS standard (2007–2011)
- Open Ended Workgroup(s) IPPC (2011–2015)
- e-Phyto (2016 – 2018)
 1. Chair of the E-Phyto Steering Committee (NHo)
 2. Review of the Design of the HUB
 3. (pre)Testing
 4. Member of the Project Advisory Committee (PAC)
 5. Support to the GENS , pilot Ghana (t.b.d.)



Review of the design of the HUB

- Security (common standards for authentication and encryption)
- Principles (Only transport , no content restrictions)
- Usability (Ease of use, Fit for use)
- Interoperability



Testing of the HUB

- Pre-testing (June 2017)
- User Acceptance Testing (Sep – Dec 2017)
 1. Strong security needs (TLS 1.0 minimal) → Caused the need for migration to Oracle 12g
 2. No significant errors (only minor issues)
 3. Easy to integrate (a couple of days)
 4. Easy to use
 5. Extra work (monitoring of the HUB)
 6. Excellent performance by UNICC



Figures (per 06 January 2018)

	ISO	COUNTRY (FROM)	SECTOR	NUMBER	FROM	UNTIL
1	AR	Argentinië	IMP	133	8-12-2017 13:05:41	13-12-2017 10:45:38
2	KR	Zuid-Korea	IMP	10	12-12-2017 9:39:37	27-12-2017 15:18:59
3	NZ	Nieuw-Zeeland	IMP	1	8-12-2017 13:05:36	8-12-2017 13:05:36
4	US	Verenigde Staten	IMP	608	8-12-2017 14:06:53	5-1-2018 20:23:49
	ISO	COUNTRY (TO)	SECTOR	NUMBER	FROM	UNTIL
1	US	Verenigde Staten	CZZ	566	12-10-17 09:50	04-01-18 15:30



Observations

- Although the HUB is neutral to content , the envelope has codes to define the content (**CertificateType, CertificateStatus, NPPOCertificateNumber**) with strict values.
- Recommendation : Eliminate this content from the Envelope or be less strict with the values to allow other messages through the HUB (e.g. Replacement messages, paperless China)



Still to be decided bilaterally

- Encoding of the e-Phyto XML file (Cdata, base64(NL), etc.)
- Procedures (UNCEFACT BRS messages, resent of certificates, replacements, rejections)
- Disaster & Recovery Procedures
- Final details on content & mapping of the e-Phyto XML (special data elements, digital signing)
- Costs (sender, receiver ,decider)



Recommendations

- Further standardisation (content, procedures, codes)
- Evaluation & Improvement
 - knowledge creation
- Work to paperless
- Coordinated Border Management



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