



Electronic Certification

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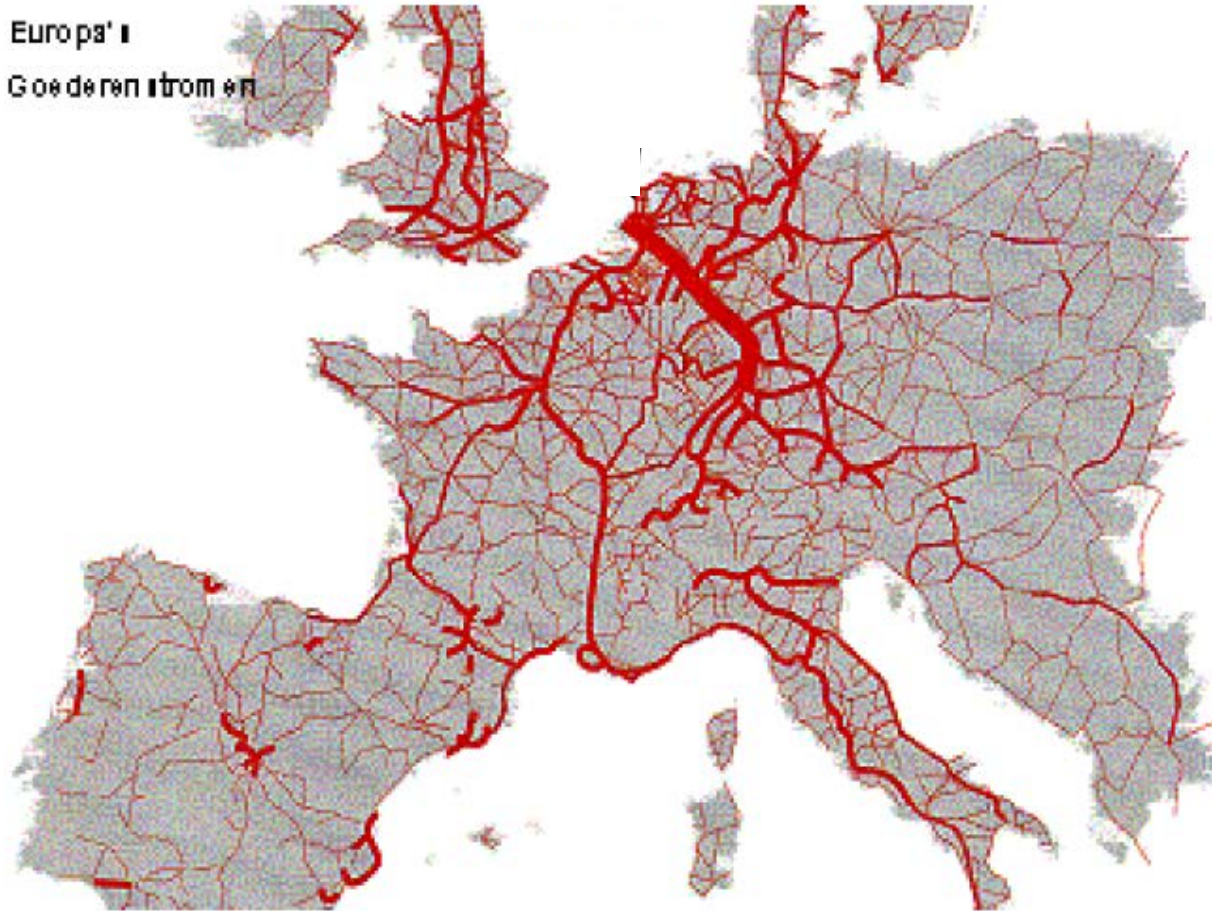
The “Why” of Electronic Certification



Flow of goods in Europe

Europa's

Goederenstromen





Why?!

Private Sector

- Speed up border clearance
- Reduce administrative burden
 - Single assignment
 - Re-use of data

Government

- More efficient certification process
- Contributes to Risk based enforcement
- Reduced fraud (CODEX)
- Prerequisite to paperless
- Increased transparency



Figures

- 650.000 certificates a year
- 1800 economic operators
- 7 inspectorates

- 30 billion anual



What is considered to be E-Cert



What is Electronic Certification



- Certification data
- Transmitted electronically
- Secure
- Authentic
- Non Repudiative



How does Electronic Certification work?



- XML language, communication between computer systems
- All certificate elements in the XML message
- Secure transmission between Competent Authorities

| | | | |
|---|--|---|--|
| 1 Name and address of exporter | | 2 PHYTOSANITARY CERTIFICATE No. EC / NL /  ORIGINAL 04026805 | |
| 3 Declared name and address of consignee | | 4 Plant Protection Organization of the Netherlands to Plant Protection Organization of | |
| 6 Declared means of conveyance | | 5 Place of origin | |
| 7 Declared point of entry | |  agriculture, nature and food quality | |
| 8 Distinguishing marks, number and description of packages; name of product (scientific name of plants) | | 9 Quantity declared | |
| 10 This is to certify that the plants, plant products or other regulated articles described herein: <ul style="list-style-type: none"> — have been inspected and/or tested according to appropriate official procedures, and — are considered to be free from the quarantine pests specified by the importing contracting party, and — are considered to conform with the current phytosanitary requirements of the importing contracting party, including those for regulated non-quarantine pests. | | | |
| 11 Additional declaration | | | |
| DISINFESTATION AND/OR DISINFECTION TREATMENT 12 Treatment 13 Chemical (active ingredient) 14 Duration and temperature 15 Concentration 16 Date 17 Additional information | | 18 Place of issue Date: Name of authorized officer: Stamp of Organization: | |

(red) to be used with export to the Caribbean shall attach to the Plant Protection Organization of the Netherlands to use with official registration number.

<Name>Phytosanitary certificate<Name>
 <ID>EC/NL/04026805<ID>
 <IssueDateTime>2011-07-20<IssueDate Time>
 <IssuerSPSParty>
 <Name>Plant Protection Organization
 of the Netherlands<Name>
 <RecipientSPSParty>
 <Name>APHIS<Name>
 <Description>Cut flowers<Description>
 <ScientificName>Rosa spp.<ScientificName>



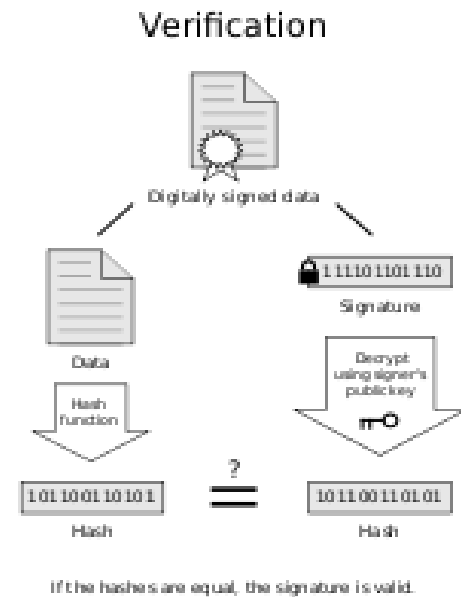
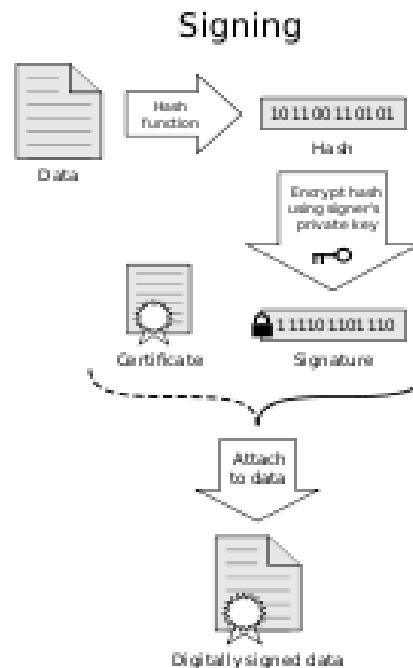
Electronic Signature (Digital Evidence)

- Authentication
- Integrity
- Non-repudiation



Paperless

- Digital Signature





Used (draft) Standard

ECONOMIC COMMISSION FOR EUROPE

COMMITTEE ON TRADE

Centre for Trade Facilitation and Electronic Business

TBG “Security Project” hosted by TBG6

Recommendation No. 37


Digital Evidence

ACTION: Review before further iteration of Open Development Process


Step 5 – Public Review

STATUS: Proposed Publication Draft


Exchange mechanism



National
System
Export
Certification



Module to
produce
electronic
certificate

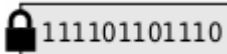


111101101110

Signing
Server

Certificate
Mastering
System

Electronic certificates issued in Exporting country



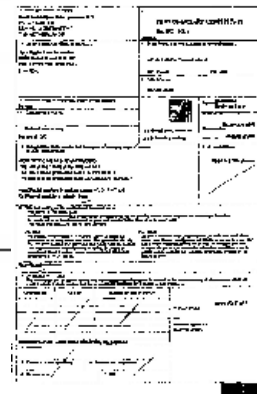
Certificate
Mastering
System



Verification

Document
check

National
system
import



Electronic certificates received in Importing country



More information

www.clientexport.nl/en/home/electronic-signature/

www.clientexport.nl/en/home/exchange-mechanism/



Contact

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