



Electronic Certification

Benno SLOT 2017 March 29, Geneva



Content

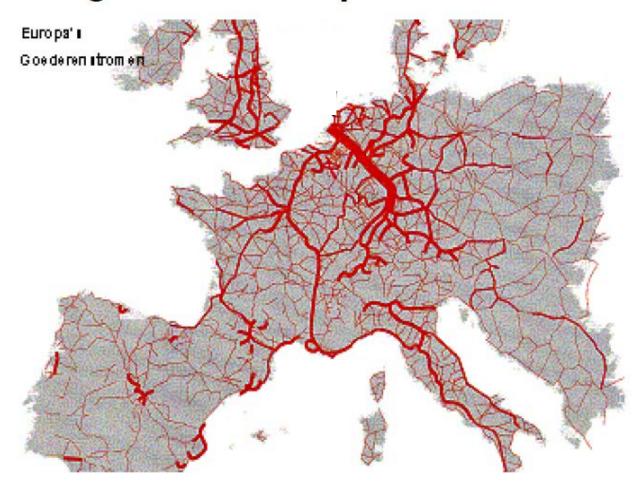
- The "Why" of Electronic Certification
- Figures
- "What" is considered electronic certification
- "How" does Electronic Certification work



The "Why" of Electronic Certification



Flow of goods in Europe





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 transparancy



Figures

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

30 billion anual



What is considered to be E-Cert



Electronic Certificate

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





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

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<Name>Plant Protection Organization
of the Netherlands<Name>

<RecipientSPSparty>

<Name>APHIS<Name>

<Description>Cut flowers<Description>

<ScientificName>Rosa spp.<ScientificName>

17 Additional information



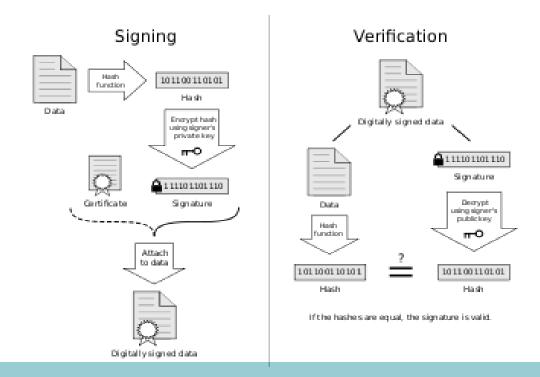
Electronic Signature (Digital Evidence)

- 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

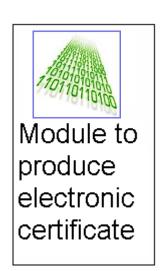
STATUS: Proposed Publication Draft

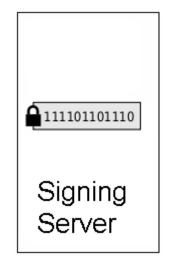
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Exchange mechanism









Certificate Mastering System

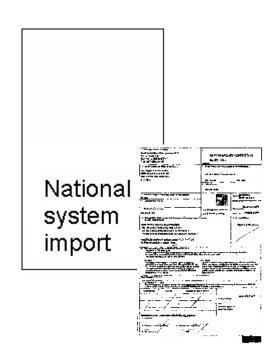
Electronic certificates issued in Exporting country











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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SRO Electronic Certification Systems

www.e-cert.nl

E b.slot@nvwa.nl

