



Ministerie van Financiën

Using International Standards for exchanging E-Cert data

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UN/CEFACT

UN/CEFACT = United Nations Centre for Trade Facilitation and Electronic Business

Objectives

- Simple, transparent and effective processes for global business
- Efficient and automated exchange of information

Outputs

- Global Trade Facilitation and Electronic Business Recommendations and Standards

Means

- Public Private Sector Partnership – over 600 experts from government and business
- Open for country or UN/ECOSOC recognized organizations nominated experts



UN/CEFACT

- UN/CEFACT's mission is to improve the ability of business, trade and administrative organizations, from developed, developing and transitional economies, to exchange products and relevant services effectively.
- Its principal focus is on facilitating national and international transactions, through the simplification and harmonization of processes, procedures and information flows, and so contribute to the growth of global commerce





Electronic certificates

- Certification data
 - Set of standard business information entities
 - Set of messages
 - Additional process agreements
- Transmitted electronically
- Secure
- Authentic
- Non Repudiated
- Directly between Competent Authorities
 - Improved process
 - risk based inspection,
 - scheduling, time to handle,
 - reuse of information



Single Window recommendation 33

- . Instrument for facilitating trade AND facilitating efficient and effective Government
- . Instrument in Customs operations and interaction with the business community (WCO Single Window compendium)
- . In the WTO TFA
- . Guiding principle for all agencies involved in international Trade
- . Founded on the use of International Standards
- . Opportunities to align (where appropriate) all FAO Certificates

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 Protection Organization(s) of Place of origin	
6 Declared means of conveyance		 agriculture, nature and food quality	9 Quantity declared
7 Declared point of entry			
8 Distinguishing marks, number and description of packages; name of product Botanical name of plants			
10 This is to certify that the plants, plant products or other regulated articles described herein: — 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.			
14 Additional declaration			
DISINFESTATION AND/OR DISINFECTION TREATMENT		18 Place of issue	
12 Treatment		Date:	
13 Chemical (active ingredient)		14 Duration and temperature	
15 Concentration		16 Date	
17 Additional information			

<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>



Standards

Need of stack of standards

- Semantic
 - Core semantics
 - UN/CEFACT Business Requirement Specifications
 - UN/CEFACT Core Component Library and World Customs Organisation data model
- Messages
 - UN/CEFACT Core component Library and WCO data model
- Technology
 - W3C XML (UN/CEFACT) uses those
 - Un/CEFACT Core Component Technical Specification or equivalent ISO 15000-5
- Transport layer: E.g. TCP-IP



Scenario's : what can you do with eCert data

Print the eCert data and compare with the data in the Paper certificate

- Minimal Change to IT & Procedures
- Reduction to fraud
- Extra work



Scenario's : what can you do with eCert data

Use the eCert data in the Import System to support the Import Process

- Medior Change to IT & Procedures
- Reduction to fraud
- More efficient (all data is available to all inspectors and earlier in the proces)
- Better risk analysis



Scenario's : what can you do with eCert data

Process the eCert data in the Import System to perform automatic checks and risk analysis

- Maximum Change to IT & Procedures
- Reduction to fraud
- More efficient (Inspections can be partly done automatically)
- Better risk analysis



Signing and non repudiation

Reference:

UN/CEFACT recommendation 14

https://www.unece.org/fileadmin/DAM/cefact/recommendations/rec14/ECE_TRADE_C_CEFAC2014_6E_Rec14.pdf

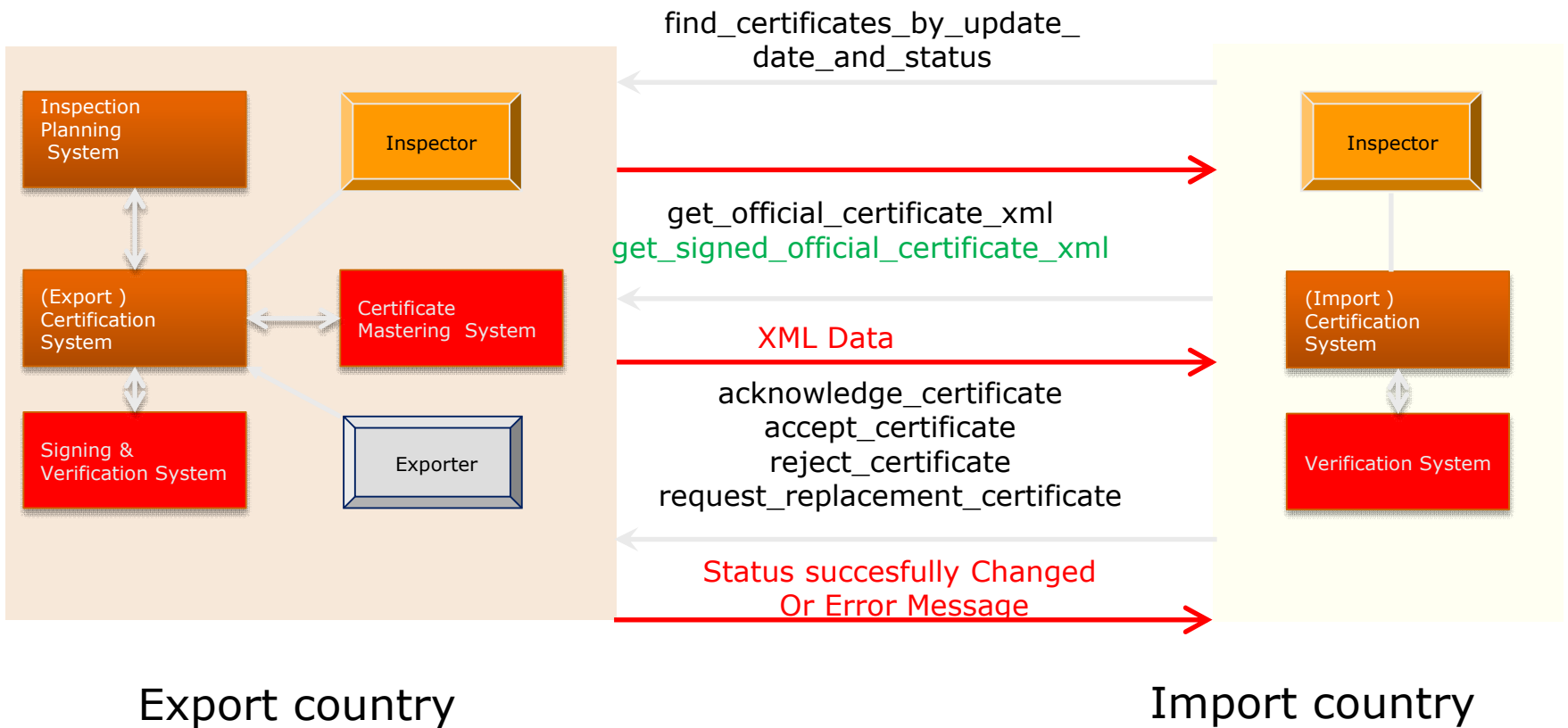
The to be chosen methods of authentication and signing should be “as reliable as was appropriate for the purpose for which the data message was generated or communicated, in the light of all the circumstances including any relevant agreement.”

Electronic Signature

- Data in electronic form in, affixed to or logically associated with, a data message, which may be used to identify the signatory in relation to the data message and to indicate the signatory’s intention in respect of the information contained in the data message.
- Technology neutral.



Gov to gov communication exemple





Considerations for E

Private Sector

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

Government

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