e-CERT

Sanitary and Phyto Sanitary Certificate

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WTO

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What is 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 300 experts from government and business
  • Meet virtually every week plus two Forums per year
UN/CEFACT Mission

• 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.
UN/CEFACT Objective and product

- Facilitate e-commerce and e-trade
- In cooperation with other bodies such as WCO, FAO, IMO, CITES, OASIS, W3C, GS1

- Recommendations
- Semantics (Core Component Library)
- Syntax (UN/EDIFACT and XML schemas)
# Why e-CERT

## Private Sector
- Speed up border clearance
- Reduce transaction costs
- Reduce administrative burden
  - Single assignment
  - Reuse of data

## Government
- More efficient certification process
- Contributes to Risk based enforcement
- Reduced fraud (CODEX)
- Prerequisite to paperless
e-Certification

- Certification data
- Transmitted electronically
- Secure
- Authentic
- Non Repudiative
- Directly between Competent Authorities
| **Name** | Phytosanitary certificate | **ID** | EC/NL/04026805 | **IssueDateTime** | 2011-07-20 | **IssuerSPSparty** | Plant Protection Organization of the Netherlands | **RecipientSPSparty** | APHIS | **Description** | Cut flowers | **ScientificName** | Rosa spp. |
e-CERT position in the supply chain

- Services: transport, finance, insurance, advice, communication, certification
- Resources: buildings, equipment, machines, fertilizer, medicine
- NL, EC, Global

- Genetic breeding
- Production
- Processing
- Distribution
- Chain data
- Chain service

- Chambers agriculture
- Min Agriculture Nature Food quality
- Food Auth
- NPPC
- Inspection

- Taxes
- Customs
- Statistics
- UWV
- CWI
- Waterboard
- Municipality
- Province
- Key Registrations: municipality - persons, chamber of commerce - address, cadaster, buildings, topography, cars

- TRACES
- Eurostat
- Inspire
- EU

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Concept of e-CERT

G2G Certificate. Sanitaire certificate for animals, animal products plants and plant products.

OIE and IPPC regulations.

- Consignment
- Party
- Product
- Transport
- Storage
- Health status

Certificate based on information extracted out of the complete production chain

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Concept of e-CERT

Certificate Product

- Packaging
- Weight
- Storage: Including temperature
- Container: Identification, Seal, Weight
- Processing: Location, Premises
- Inspection: Inspection Completed By, Declarations
- Document
Party and process

Inter_Government Certification System

Export Agency
(from Party & Party Roles)

Import Agency
(from Party & Party Roles)

Certificate - Request

Certificate - Response

Certificate - Submission

Export Agency
(from Party & Party Roles)

Import Agency
(from Party & Party Roles)

Raise
Approve
Request replacement
ReSummit
Replace
Reject
Cancel
Acknowledge
G2G communication

Exporter

Certificate Mastering System

(Export) Certification System

Inspection Planning System

Inspector

XML Data

find_certificates_by_update_date_and_status

get_official_certificate_xml
get_signed_official_certificate_xml

accept_certificate
reject_certificate
request_replacement_certificate

Exporter

Verification System

(Import) Certification System

Inspector

Export country

Import country

Status successfully Changed
Or Error Message

UNECE – United Nations Economic Commission for Europe
UN/CEFACT – UN Centre for Trade Facilitation and e-Business

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e-CERT

- Set of standard business information entities
- Set of messages
- Additional process agreements

- Exchange G2G between
  - national food and/or plant protection authority
  - export country - import country
### e-CERT users (Bilateral)

**Implemented**
- China
- Australia
- Chile
- Kenya
- South Korea
- USA
- New Zealand
- Canada
- European Union
- Japan
- Malaysia
- Russia
- Jordan

**Implementation stage**
- Colombia
- Hong Kong
- Indonesia
- Mexico
- Peru
- Turkey
- Thailand
- Ecuador
- Phillipines

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e-Cert (Multilateral)

- IPPC ePhyto
- 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-CERT aligned with

- WCO data model and the UN/TDED
- Transport / shipping information (consignments)
- Coding of product and process
Advantages e-CERT

• Up to date certificate

• Interaction between exporting / importing country accept / reject / update

• Fraud and counterfeit prevention

• Support Single Window approach
Advantages e-CERT

- Improved process
- Risk based inspection,
- Scheduling, time to handle,
- Reuse of information,
- Data integration,
e-Cert not include

- The export process chain
- The import process chain

- e-Signature
- e-Archiving and reproducing

- Collaboration agreement between the countries
documentation

- Business Requirement Specification
- Requirement Specification Mapping
- XML schema
  - SPS Certificate
  - SPS Acknowledgement
- Implementation guideline
- Handbook (under construction)
- National implementation
Developments in agro food

- Sustainability
- Food safety
- Market access

- Traceability
- Transparency
Traceability and Transparency

- **Party**
  - Identification
  - Information

- **Product**
  - Identification
  - Description
  - Process
  - Location
  - Date/time

- **Who**
- **What**
- **Why**
- **Where**
- **When**
Developments in the agri food domain

- **Standard messages:**
  - e-CERT phyto and veterinarian sanitary certificate (G2G)
  - e-Daplos, e-CROP, agro product information message (B2B)
  - Animal identification and e-Animal passport (G2G)
  - Dispatch advice (batch number, identification) (B2B)
  - FLUX Fishing monitoring and reporting (G2G)

- **Coding**
  - Product (EPC, Codex Alimentarius)
  - Location and Party identification (GLN, Blue number, )

- **Certification**
  - Authority, NGO, Private business (GlobalGap, Organic, Sustainable, CITES, Standard Maps ITC ... )

- **Integration of domains**
  - e-Invoicing (in fish, cutflowers, fresh fruits and vegetables)
  - Transport and location (GN codes – GS1)
  - CITES e-permits
  - WCO datamodel III and IV
  - Production, Trade and Retail
UN/CEFACT

SIMPLE, TRANSPARENT AND EFFECTIVE PROCESSES FOR GLOBAL BUSINESS

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