UN/CEFACT Agri-food e-standards in the international supply chain

UNECE WP.7
Sustainable International e-trade for me(a)t

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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 400 experts from government and business
• Meet virtually every week plus two Forums per year
UN/CEFACT – Deliverables

40 TF Policy Recommendations

440 eBusiness Standards

Guidelines, Briefs, Case Studies

Capacity Building & Technical assistance
Processes, practices and procedures and electronic information exchange involved in international trade transactions in **agriculture commodities, production processes** (animals and plants, including **fishery, forestry and hunting**), food production, and food safety.

**SCOPE**
- Sanitary issues related to agriculture products and production
- Exchange information about marine fishing (monitoring, logging, reporting)
- Track and trace of animals, animal products, plants and plant products
- Animal feed and human food safety issues
- Exchange information to support agricultural processes (advice, monitoring, product information, certification)
Agriculture / Fisheries / Agri-food Domain

The Framework - Traceability for Cross-Border Trade

Define RULES and CONDITIONS

AUDIT AGENCY

Example: Shark Traceability in Costa Rica
UN/CEFACT Agri / Agri-food standards

STANDARD MESSAGES

UN/CEFACT e-CERT (Phyto and veterinarian sanitary certificate)
UN/CEFACT FLUX (Info exchange for sustainable fisheries management)
UN/CEFACTe-Daplos, e-CROP (agri-product information message)
UN/CEFACT RASFF (rapid alerts for food and feed)
UN/CEFACT e-LAB (laboratory observations report)
UN/CEFACT e-Animal passport (and Animal identification)

INTEGRATION OF DOMAINS

CITES e-permits

CODING

BUSINESS REQUIREMENT SPECIFICATIONS

Animal and Product Traceability Data Exchange

FRAMEWORKS

UNECE Traceability System Design for Cross-Border Trade

IMPLEMENTATION GUIDELINES

Implementing UN/CEFACT e-Business standards in agricultural trade
UN/CEFACT future work on Agri / Agri-food standards

• eQuality
  • standard to attest to the commercial quality and origin of fresh fruit and vegetables;
In International trade, Agriculture formalities are one link in a global supply chain.

- **Buy**: Prepare for export, Export
- **Ship**: Transport
- **Pay**: Prepare for import, Import

**Commercial Procedures**
- Establish sales contract
- Order goods
- Advise on delivery
- Request payment

**Transport Procedures**
- Establish transport contract
- Collect, transport and deliver goods
- Provide waybills, Goods receipts, etc.

**Regulatory Procedures**
- Obtain im/export licenses etc.
- Provide Customs Declarations
- Provide cargo Declarations
- Apply security measures
- Clear goods

**Financial Procedures**
- Provide credit rating
- Insurance
- Execute payment
- Issue statements
UN/CEFACT standards relevant to Agriculture data exchanges

- UN/EDIFACT
- Cross-Industry Invoice (UN/CEFACT-CII)
- Core Component Library (UN/CEFACT-CCL)
- Reference Data Models
- Data Pipeline
- Internet of Things
- Blockchain
Blockchain and Agriculture

- Transparency
  - Privacy
  - Competition
  - Sensitive data
  - Open data / shared data

- Traceability
  - Tracking boxes (transport, logistics)
  - Recording events
  - Retrieving information
  - Product and process specifications / documentation

- Compliance
  - Industry / retail demands
  - Regulations
  - Certification
Blockchain and Agriculture

- Track and Trace
- Certification process
- Certification usage

- Sensors and IoT
- Transport

- Process
- Transactions
- Workflow

Compliance
Event recording
Improvements
UN/CEFACT next meetings

• Hangzhou Forum
  • 14-19 October 2018, Hangzhou, CN

• 2\textsuperscript{nd} UN/LOCODE Advisory Group Meeting
  • tbc (China in October, parallel to the Forum)

• 2\textsuperscript{nd} Sustainable Fisheries Team of Specialists
  • tbc (tentatively November, Geneva CH)

• 33rd UN/CEFACT Forum
  • tbc (1-5 April 2019, Geneva CH)

• 25th UN/CEFACT Plenary
  • tbc (8-9 April 2019, Geneva CH)
Where to find more…

https://tfig.unece.org

http://www.unece.org/cefact
UN/CEFACT – Join us

• Participation is open to all experts from both the public and private sector

• Participation is free of charge (but experts must fund their own participation)

• https://uncefact.unece.org/display/uncefactpublic/UNCEFACT+Expert+Registration
Thank you!

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