



UN/CEFACT

Centre for Trade Facilitation and electronic Business

UN/CEFACT Standard on Traceability of Animals and Fish
Geneva, November 2015

UNECE: Who we are and what we do

- ❑ United Nations Economic Commission for Europe (UNECE): North America, Europe, Central Asia, Western Asia and Caucasus
- ❑ Focal point in the UN system to develop standards and best practice for trade facilitation
- ❑ The United Nations Centre for Trade Facilitation and electronic Business (UN/CEFACT) develops policy recommendations, standards, guidelines
- ❑ Simplified and harmonized trade documents, processes and information flows throughout the supply chain



UNECE work in Trade Facilitation

Policy Rec.s



Standards



Guides, Case Studies, Capacity Building



Capacity Building & Technical assistance



UN/CEFACT Agriculture Expert Group

.. to develop messages and processes for agriculture trade

Objectives:

- Improvement of agriculture trade through better information
- Standardization of processes and information (including codes)
- Integration of agriculture trade into global standards for trade
- Compliance to regulations for food quality and safety

Standards support policy initiatives of Governments: *Smarter Food, eFoodChain, agriculture Single Window, Smarter Inspection by Smarter Communication*



Steps in standards development

- Define the business requirements:
 - Processes: Use cases, Activity & Collaboration diagrams
 - Information: Class diagrams
- Map the business requirements to Core Component Library (ISO 15000)
- Develop electronic message structures (XML Schemas)
- Develop guidelines for implementation



UN/CEFACT Standard on Traceability of Animals and Fish

Development of TT standard started in 2013

Experts: France, Canada, the Netherlands, EU, GS1,...

Other partners:

- Animal Registration Offices
- Farm Service Providers
- Transporters
- Traders
- Slaughter houses / Meat processors
- Liaisons with WHO, WCO, IMO, OASIS, IPPC, OIE, FAO,...



UN/CEFACT Standard on Traceability of Animals and Fish (cont.)

- Focus on cattle, sheep, goats, pigs, poultry and fish
- Individual or group of animals
- Within a country or trans border
- Livestock: birth - death
- Fish: catch – first selling

Next:

- Animal product: first processing – retailer/consumer
(phase 2)
- TT for trade in CITES controlled species

Long term objective : an integrated TT system for all animal and plant species



Organization of Tracability Information

UN/CEFACT TT standard is based on ISO/IEC 19987 which is based on GS1 EPCIS

Integrated in UN/CEFACT Core Component Library D.13A

Tracability is event based

Three layers of information can be recorded in a TT event

Level 0

- Search and retrieve basic tracking information, based on event recording
- what, when, where, why, who

Level 1

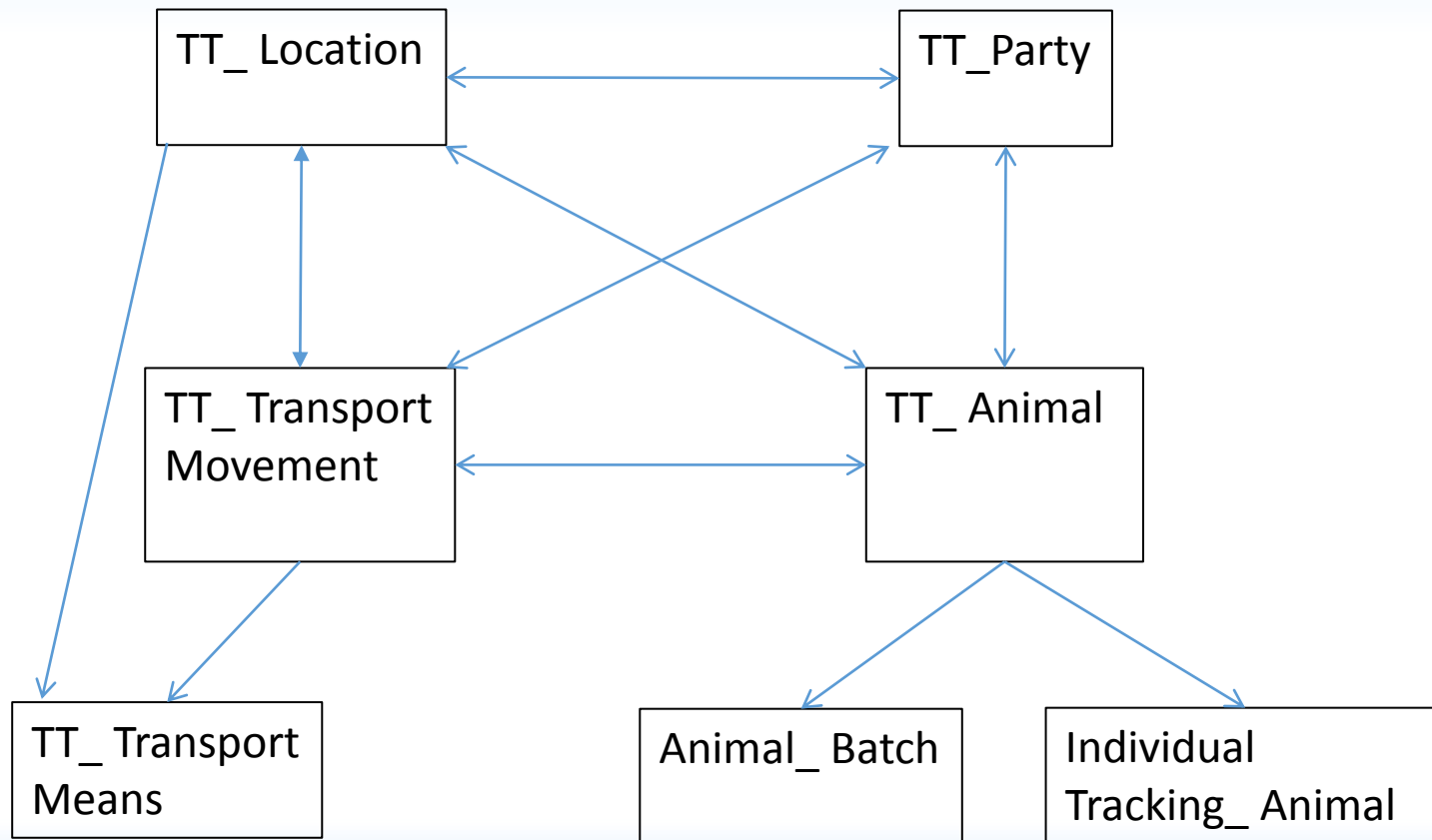
- Optional: request and retrieve info about animal, transport, location, party

Level 2

- Optional: additional information: feed, treatment, health, medicine, production, certificates, ..



Track and Trace Event: Key Information Entities

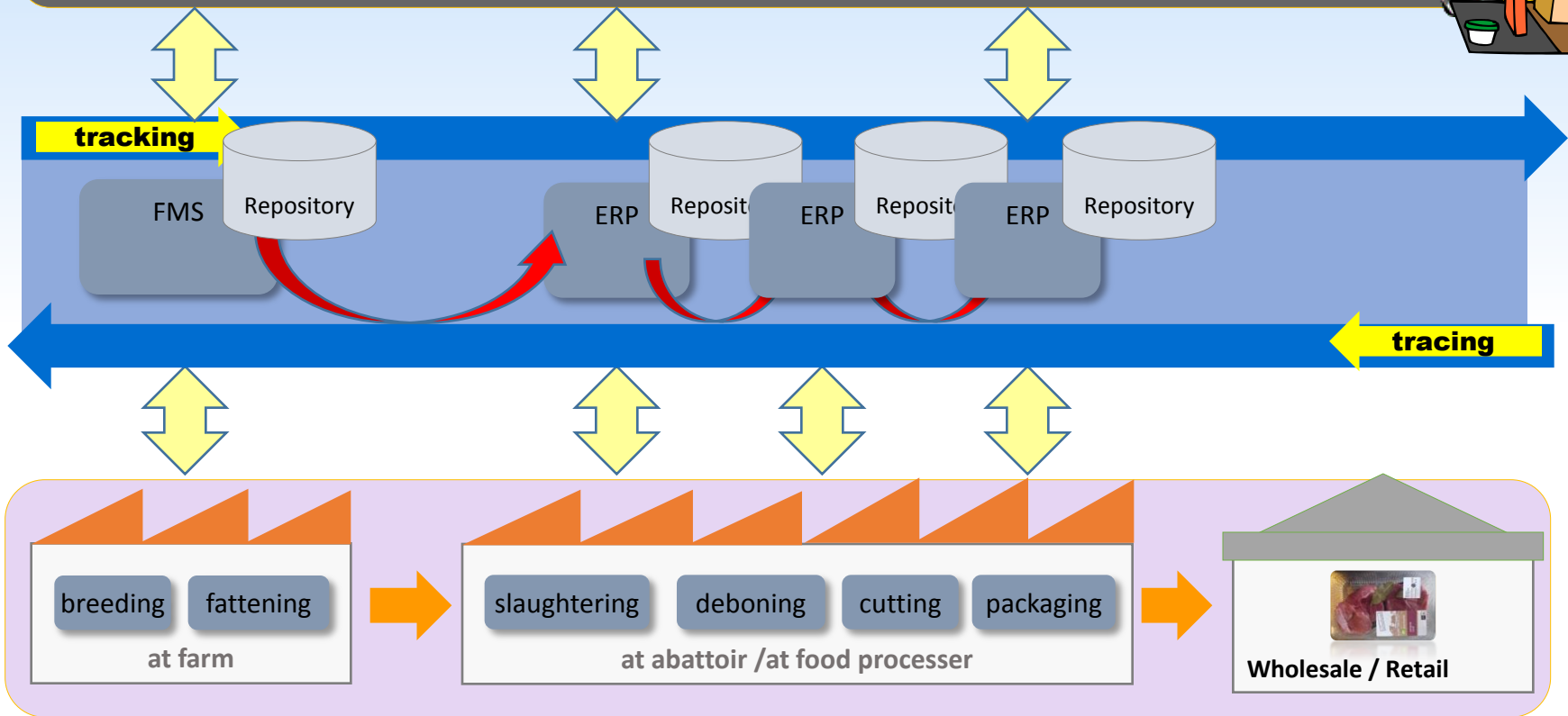




Outlook:



Services: discovery / search





Implementing Traceability

Issues in implementing traceability:

- Sensitive data
- Need for a trusted party to register the key information
- Business partners not always known
- T&T in regulations: from node to node (animal registration, transport registration,...)
- Costs for implementing T&T

Handbook to implement UN/CEFACT eBusiness standards in agriculture trade

5 CEFACT messages:

- eCITES,
- eCERT (electronic SPS) ,
- FLUX (sustainable fishery management),
- eLAB (Laboratory messages)
- RASFF (Rapid Alert System for Food and Feed)

Handbook will help policy makers to understand

- what are the issues that can be addressed
- what needs to be done (actions)
- what are the project phases
- what are expected improvements/outcomes

Thank You

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