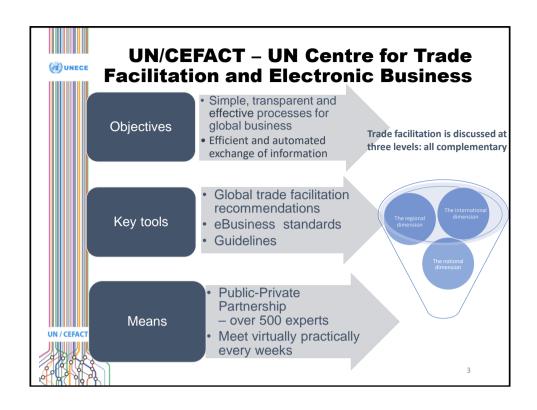
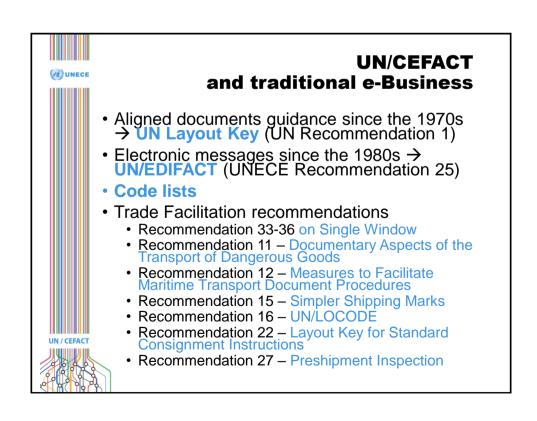
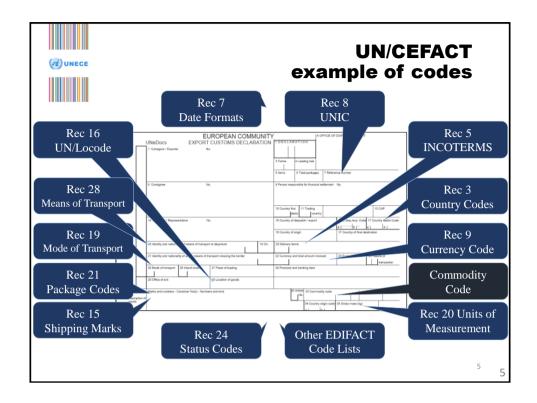


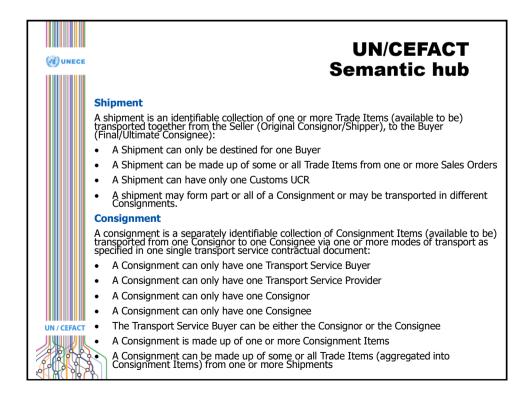
## UN/CEFACT – UN Centre for Trade Facilitation and Electronic Business

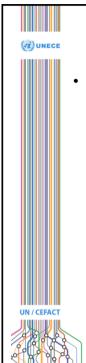
- UN/CEFACT's mission is to improve the ability of business, trade and administrative organizations, from developed, developing and transitional economies, to exchange products and relevant services effectively.
- Its principal focus is on facilitating national and international transactions, through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





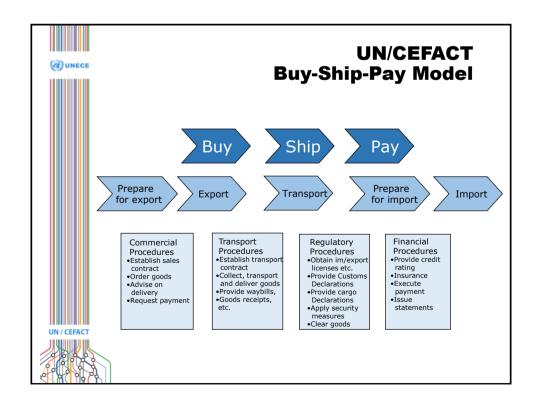






### UN/CEFACT and UN/EDIFACT

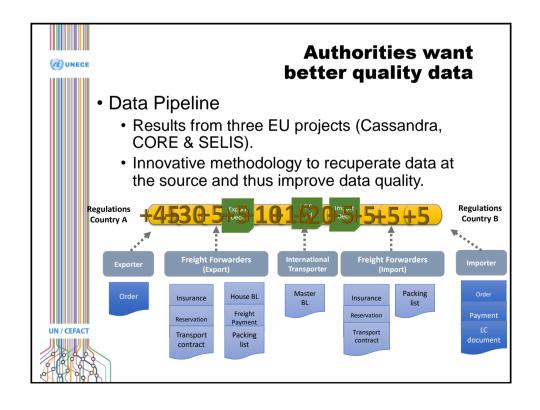
- UN/EDIFACT Conference
  - · Still very much a widely used standard
  - One maritime carrier counts a double in usage over the past ten years (100 Million messages in 2008 – 250 Million messages in 2017)
  - · Usage in transport of UN/EDIFACT is roughly:
    - · 90% of carriers and their agents
    - 95% of terminal operators
    - · 80% of port authorities
    - 97% of customs administrations (for maritime arrivals)
    - 40% of road / barge / rail planning
  - The BAPLIE message represents all by itself 35 UN/EDIFACT messages per second and replaces around 1000 sheets of paper for each container
  - Some freight forwards who were using XML are even adopting UN/EDIFACT in order to have stable, standard messages.

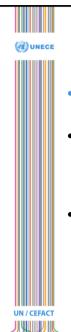


## What has changed over the last four years?

"In this session you will have the opportunity to hear the views of ecommerce providers, logistics providers, and regulators on how the positive trend in e-commerce has revolutionized their world over the last four years."

(4) UNECE





#### **Smart Devices are interacting**

- Smart Containers offer an end-to-end visibility of shipment execution
- Smart containers are capable of sensing and communicating real time information for multimodal transport and logistics improvement.
- Smart containers recording and communicating significant events such as:
  - · Arrival at warehouse
  - >1 hour stop on truck
  - Door open
  - >8° C
  - Running late



# UN/CEFACT Process driven approach

#### **UN/CEFACT** evolution

- From Document centric to Process driven artefacts (Contextualized Business Artefacts)
- Supports Document centric & Process driven workflows
- Standardized syntax-neutral data exchange structures, based on common Master data exchange structure (from which complete documents and/or snippets of documents can be created in any chosen syntax e.g. XML, JSON or UN/EDIFACT etc.)

UN / CEFACT



#### **UN/CEFACT Reference Data Models**

- We did not try to fix the 400 year old road infrastructure in our cities
- We created super highways to support physical movement

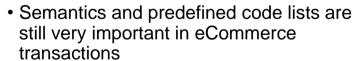




Similarly we have now developed Reference Data Models for defining required Process Driven information flows to be exchanged along super highways for information



#### **UN/CEFACT** Traditional standards still necessary



- The transaction may start on a platform, but will almost always trigger automated transactions which require traditional ebusiness standards
- Further standards are still required. Proof is in recently developed standards such as
  - eCMR
  - VERMAS





#### **Brief conclusion**

- Yes, the last four years have brought major evolutions – but not all linked to just eCommerce
  - Blockchain, IoT, Big Data, AI have also contributed
- Even with the growing presence of eCommerce platforms, traditional standards are required
- UN/CEFACT aims to be the semantic hub for standardization in international trade



## UN/CEFACT upcoming meetings

- 31st UN/CEFACT Forum
  - · 23-27 April 2018, Geneva CH
- Single Window and Electronic Documents conference
  - 23 April 2018, from 14:00 Salle XXIII
- Traceability for Sustainable Value Chains conference
  - · 24 April 2018 from 10:00, Salle XXIII
- Internet of Things conference
  - · 24 April 2018 from 09:30, Salle XXII
- Blockchain Conference/Workshop
  - 26 April 2018, from 09:30, Salle XXIII
- 24th UN/CEFACT Plenary
  - 30 April + 01 May 2018, Geneva CH
- 32nd UN/CEFACT Forum
  - 15-19 October 2018, Hangzhou, China



