

What standards for eCommerce?

Hangzhou Forum
UN/CEFACT 2018

Sue PROBERT
Chair, UN/CEFACT
Sue.probert@dial.pipex.com

16 October, 2018



UN / CEFACT





e-Commerce: definition

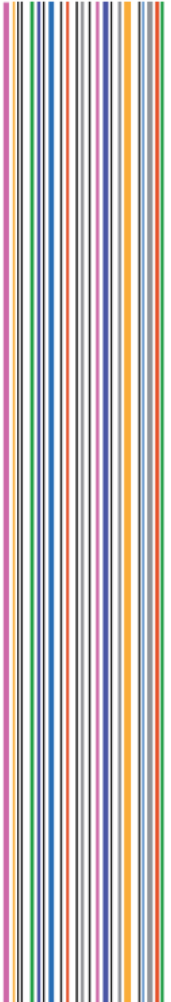
- online-initiation of a cross-border transaction with seller;
- online payment;
- cross-border logistics;
- delivered to consumers (buyers) both commercial and non-commercial
- Diverging definitions on what is e-Commerce:
 - UNCTAD & WTO definition potentially includes all electronic transactions as e-Commerce
 - UN/CEFACT & WCO definition limits the scope to transactions which are initiated online



Process of e-Commerce

UN / CEFAC





Example of choreography of exchanges

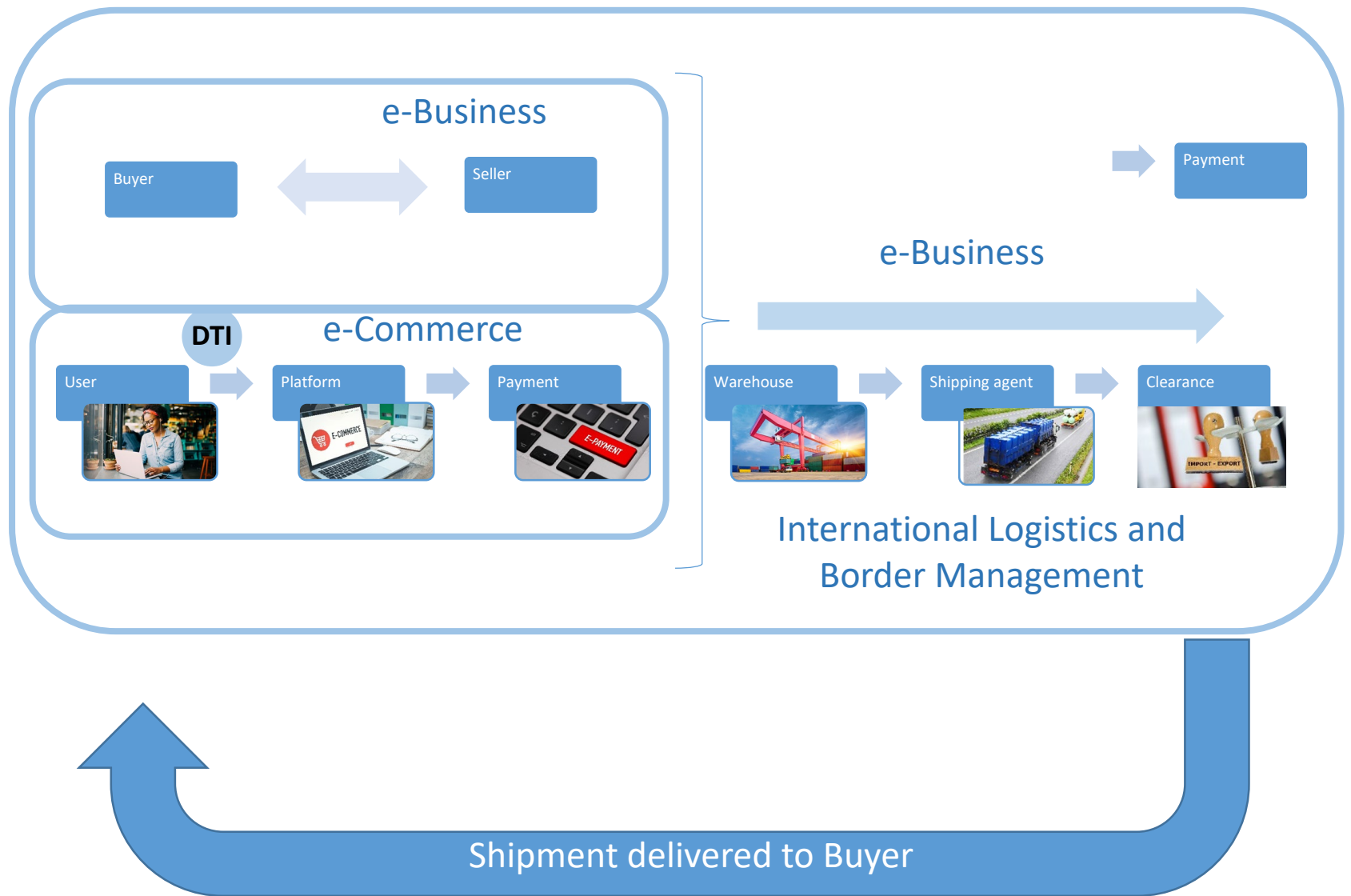


Business need for international standards

UN / CEFAC



e-Commerce and e-Business



e-Commerce and e-Business

- Traditional e-Business transactions are either full container loads OR they are regrouped with other consignments and presented as a full container load to regulatory authorities at each border crossing
- e-Commerce has resulted in an explosion of small parcels being shipped separately.
 - Increase in volume
 - Often a decrease in value

A decorative vertical bar on the left side of the slide. It features a series of thin, vertical lines in various colors (blue, green, yellow, orange, red, purple) that resemble a barcode or data stream. At the top, there is a small logo for UNECE (United Nations Economic and Social Commission for Western Asia). At the bottom, there is a logo for UN/CEFACT (United Nations Centre for International Trade Facilitation and Electronic Business).

Which standards could be beneficial -1?

The initial e-Commerce transaction

The Direct Trader Input (DTI) initiation of the transaction is conducted via an online website platform:

- There could be benefits to suggesting harmonization of portals
- Ultimately this is a B2B and marketing issue

Online Payment:

- Security standards and protocols are necessary



Which standards could be beneficial -2?

The resulting e-Business transactions

- Instructions provided to warehouses
 - B2B transaction, using traditional e-Business standards
- Instructions provided to transport companies
 - B2B transaction, using traditional e-Business standards
- Transfer of information from platforms to agents for regulatory purposes
 - B2B transaction, using traditional e-Business standards



Which standards could be beneficial -3?

Regulatory declarations from agent to government agency (agencies)

- Must comply with national regulations (different from country to country)
- May involve a number of different agencies
 - Customs
 - Border Security
 - Health and Safety
 - Agriculture
 - etc.

UN/CEFACT International Semantic Standards

UN / CEFACT



UN/CEFACT Semantic Hub Benefits

- Standardized data exchange syntax-neutral structures, based on common Master data exchange structure
- The support of information sharing, such as enabled by data pipelines, with the timely capture of quality data from original data sources ensuring supply chain visibility
- Reduction of administrative burden by efficient reuse of data shared within the BUY SHIP PAY domain model
- Common basis for implementing in chosen data exchange syntax(es)

UN/CEFACT Semantic Instruments

- Core Component Library (CCL)
- Reference Data Models (RDM)
- Business Requirement Specifications (BRS)
- Core Component Document Assembly (CCBDA)
- Code Lists (UN Recommendations and UN/EDIFACT)
- UN/EDIFACT (syntax)
- UN/XML (syntax)



UN/CEFACT Process-driven approach

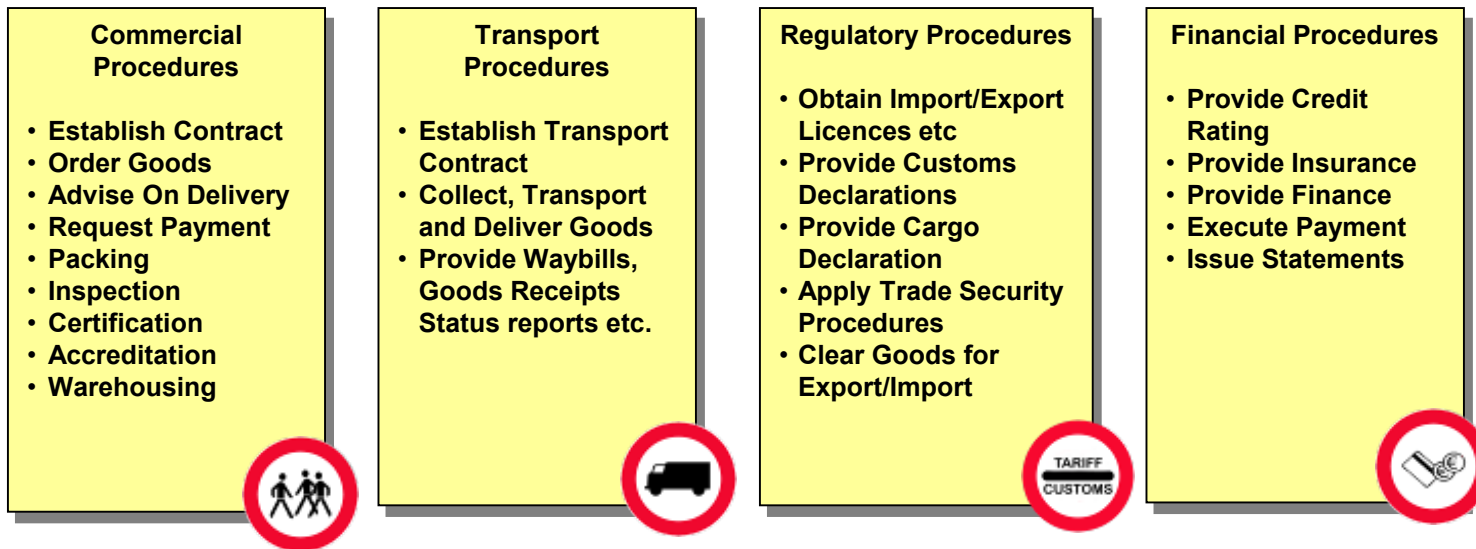
Semantic Evolution/Revolution

- 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.*)

International Supply Chain Model

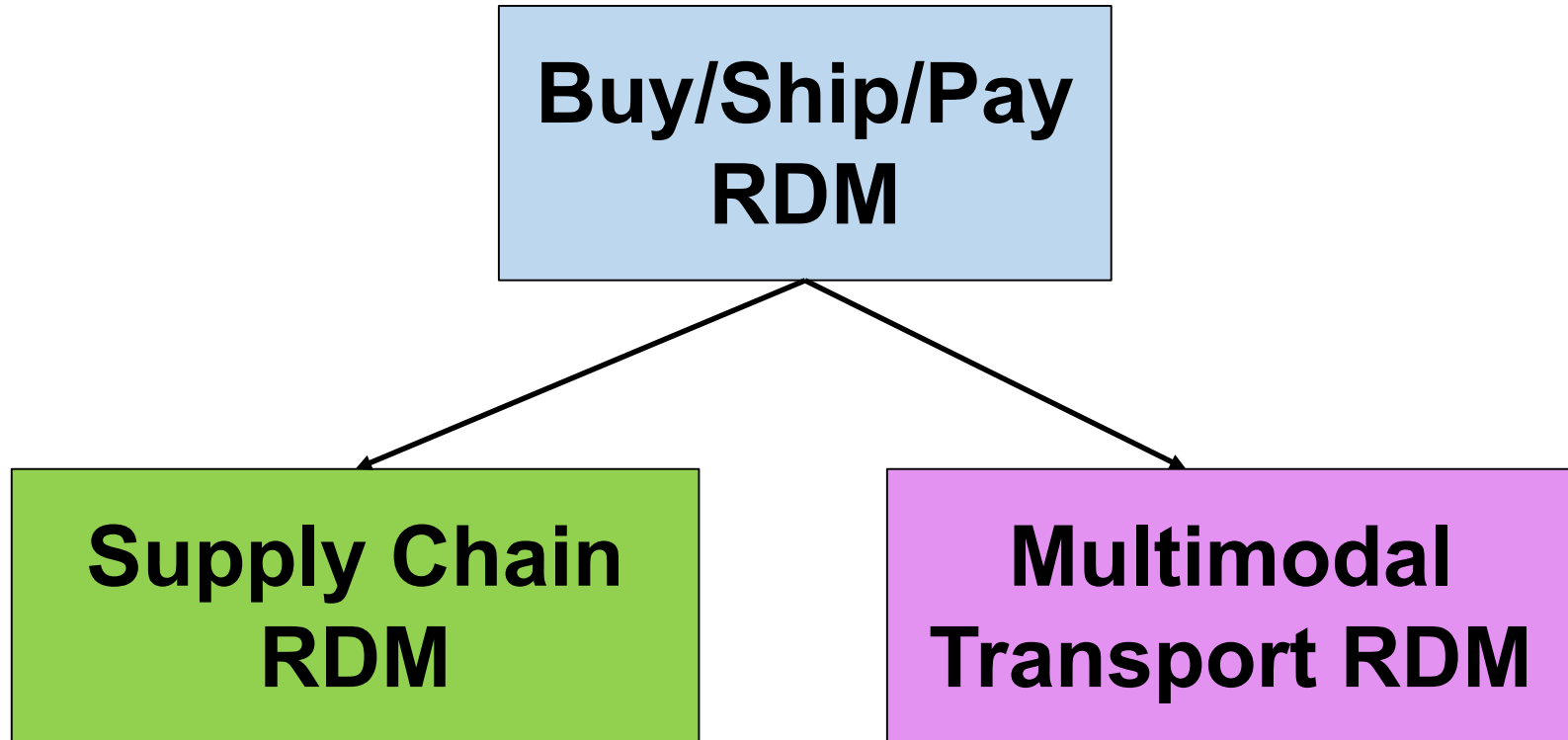


INVOLVES





UN/CEFACT International Supply Chain Reference Data Model Family





Thank you

Sue PROBERT
Chair, UN/CEFACT
Sue.probert@dial.pipex.com

16 October, 2018



UN / CEFACT

