

UN/CEFACT Activities 05/2018

UNECE SCTCS Meeting

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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

The logo for UN/CEFACT, featuring the text 'UN / CEFACT' in blue capital letters. The background of the slide includes a decorative graphic of vertical lines in various colors (purple, green, blue, orange, red) that transition into a network of interconnected nodes and lines at the bottom, symbolizing global trade and electronic business.

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

Objectives

- Simple, transparent and effective processes for global business
- Efficient and automated exchange of information

Trade facilitation is discussed at three levels: all complementary

Key tools

- Global trade facilitation recommendations
- eBusiness standards
- Guidelines

The regional dimension

The international dimension

The national dimension

Means

- Public-Private Partnership – over 500 experts
- Meet virtually practically every weeks

UN/CEFACT – Recommendations

- Rec1 – UN Layout Key for Trade Documents ([recently revised](#))
- Rec4 – National Trade Facilitation Bodies ([recently revised](#))
- Rec6 – Aligned Invoice Layout Key for International Trade
- Rec8 – Unique Identification Code Methodology – UNIC
- Rec11 – Documentary Aspects of the Transport of Dangerous Goods
- Rec12 – Measures to Facilitate Maritime Transport Documents Procedures
- Rec13 – Facilitation of Identified Legal Problems in Import Clearance Procedures
- Rec14 – Authentication of Trade Documents ([recently revised](#))
- Rec15 – Simpler Shipping Marks
- Rec16 – LOCODE Code for Trade and Transport Locations ([being revised](#))
- Rec18 – Facilitation Measures Related to International Trade Procedures
- Rec22 – Layout Key for Standard Consignment Instructions
- Rec25 – Use of the UN Electronic Data Interchange for Administration, Commerce and Transport Standard (UN/EDIFACT)
- Rec26 – The Commercial Use of Interchange Agreements for Electronic Data Interchange
- Rec27 – Preshipment Inspection
- Rec40 – Consultation Approaches
- Rec41 – Public-Private Partnerships in Trade Facilitation
- Rec42 – Establishment of a Trade and Transport Facilitation Monitoring Mechanism (TTFMM)

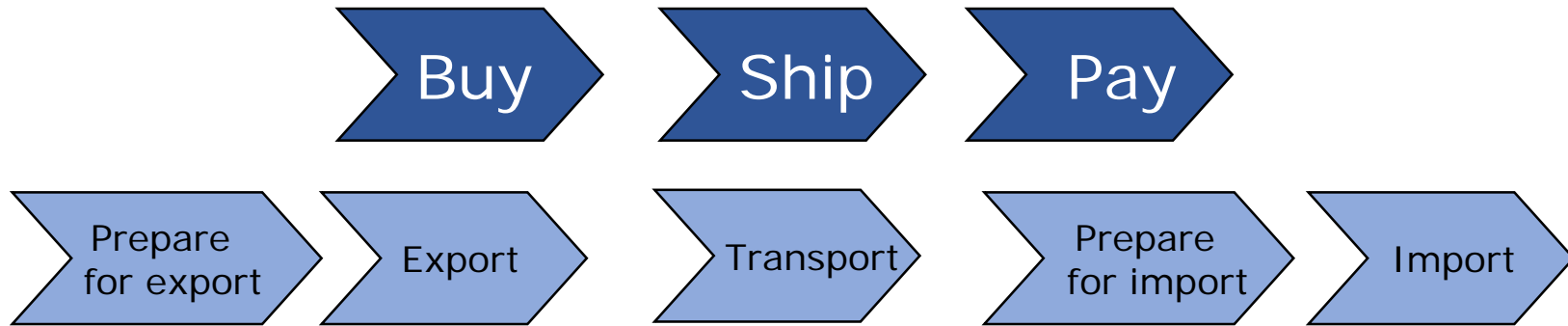
UN/CEFACT – Single Window

- Rec33 – Single Window Recommendation (being revised)
- Rec34 – Data Simplification and Standardization for International Trade
- Rec35 – Establishing a legal framework for international trade Single Window
- Rec36 – Single Window Interoperability
- Technical Note on terminology for Single Window and other electronic platforms

Work in progress:

- Recommendation Project on Core Principles of Single Window Operations
- Single Submission Portal

UN/CEFACT – Semantic Hub for Standardization



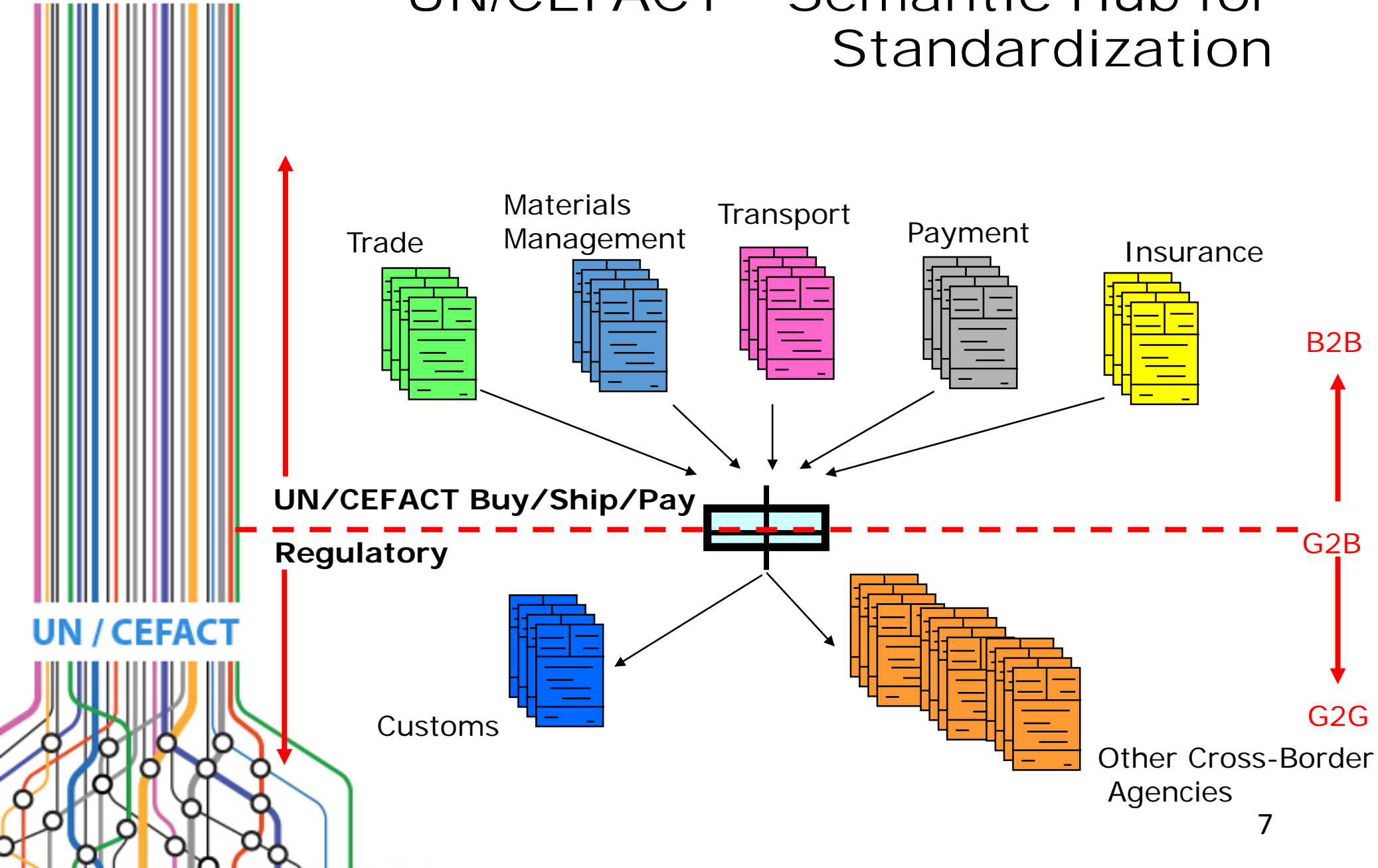
- Commercial Procedures**
- Establish sales contract
 - Order goods
 - Advise on delivery
 - Request payment

- 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 - Semantic Hub for Standardization



UN/CEFACT – Semantic Hub for Standardization

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.)

The text 'UN / CEFACT' is written in a bold, blue, sans-serif font. It is positioned above a graphic of a network of colored lines and nodes that resembles a circuit board or data network.

UN/CEFACT – Semantic Hub for Standardization

Benefits of UN/CEFACT Semantic Models

- 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)

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UN/CEFACT – Semantic Hub for Standardization

Some UN/CEFACT tools:

- UN/CEFACT Core Component Library
- UN/CEFACT Business Requirement Specifications
- UN Code Lists (UN Recommendations and UN/EDIFACT)
- UN/EDIFACT (syntax)
- UN/CEFACT XML (syntax)
- UN Recommendations

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Some UN/CEFACT deliverables that enable electronic business

- E-Invoicing (Cross Industry Invoice)
- eCMR (electronic road consignment note)
- Blockchain
- Data Pipeline
- Internet of Things (Smart Containers)
- Tourism (Small-Scale Lodging House)
- Single Submission Portal (to enable MSMEs)

- eInvoicing
 - The UN/CEFACT standard for eInvoicing (the Cross Industry Invoice) was chosen for all public procurement within the EU. It will be obligatory for all public agencies to accept this standard from 2019.
 - Standard also being used in Thailand and elsewhere.
 - Part of a larger group of messages called «Cross-Industry...» covering all supply chain messages.
 - Being repackaged today as «Reference Data Models»

UN / CEFACT

Cross Industry Invoice (CII)

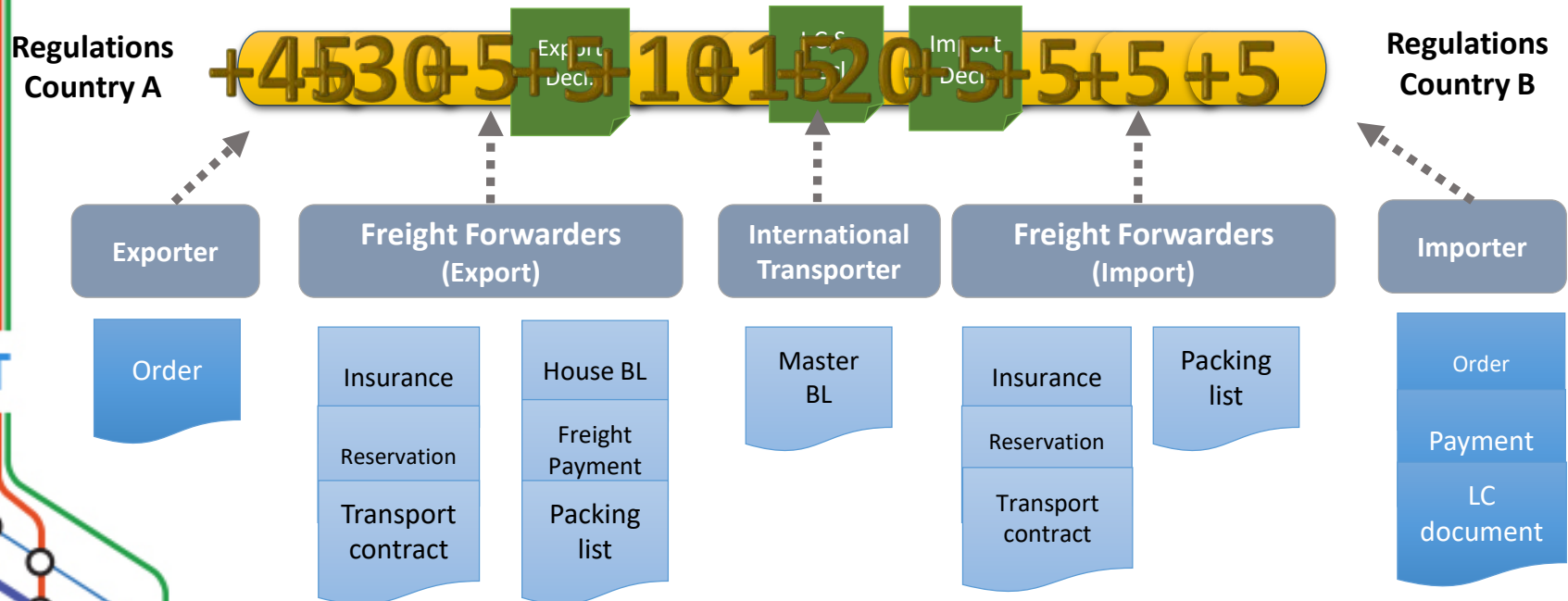
- Maximum data-set invoice which covers
 - multiple sectors and
 - multiple types of commodities
- Based on Core Component Library (CCL)
 - Semantic base definitions compatible with all other UN/CEFACT deliverables
 - And compatible with other organizations that are compliant with CCL: WCO, IATA, GS1...

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Data Pipeline

- Data Pipeline

- Results from three EU projects (Cassandra, CORE & SELIS).
- Innovative methodology to recuperate data at the source and thus improve data quality.




- eCMR
 - The road transport consignment note is now accepted in electronic format in multiple countries – but no standard message...
 - UN/CEFACT working with IRU and a group of about 20 experts to create a standard message.



CMR Convention

- Content of CMR
 - Date and time
 - Name and address of carrier, sender, consignee
 - The description of nature of goods, method of packing ...
 - Number of packages
 - Charges related to carriage
 - etc.



e-CMR Additional Protocol

- Set requirements for e-CMR. Parties shall agree on:
 - The method for issuance and delivery of e-CMR
 - An assurance that e-CMR retains its integrity
 - The manner in which the party entitled to the rights arising out of e-CMR is able to demonstrate that entitlement
 - etc.

First step: identify a list of vital messages for e-CMR, provide appropriate message model

Internet of Things – Smart Containers

- Smart Containers offer an end-to-end visibility of shipment execution
- Stakeholders: shipping lines, freight forwarders, beneficial cargo owners, cross-border agencies, port authorities, etc.
- Smart containers are capable of sensing and communicating real time information for multimodal transport and logistics improvement.

Alerts and Notifications

- Significant events
 - Arrival at warehouse
 - >1 hour stop on truck
 - Door open
 - >8° C
 - Running late

Blockchain

- Defining the concept of blockchain and how UN/CEFACT standards could be used with this technology
- Working closely with ITU and with ISO in order to ensure that we have harmonized guidance
- Studying use cases of blockchain in all areas covered by UN/CEFACT

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TRADE FACILITATION IMPLEMENTATION GUIDE

Home Domains Suggested Itineraries Instruments Organizations

Welcome to the
Trade Facilitation Implementation Guide

Domains



Itineraries



Instruments



Organizations



Trade Facilitation
Implementation Guide



tfig.unece.org

A web-based interactive tool in a [wikipedia style](#) available in Arabic, English, French, Russian and Spanish

Purpose:

Present [concepts, standards and recommendations](#) that can help simplify trade throughout the International Supply Chain.

Target:

[Policymakers, technical experts](#), from governments, businesses and international organizations

Capacity Building Projects

- Albania Single Window implementation
- Kyrgyzstan strengthening national capacity of trade-support institutions
- Tadjikistan supporting removal of regulatory and procedural barriers to trade

Projects in coordination with Regional Advisor

- Strengthening national capacities to implement evidence-based trade facilitation measures
 - Kazakhstan, Ukraine, Georgia, FYR Macedonia
- Strengthening capacity of Central Asian countries to implement TF measures

UN/CEFACT – Next Meetings

- 31st UN/CEFACT Forum
 - 23-27 April 2018, Geneva CH
- 32nd UN/CEFACT Forum
 - 15-19 October 2018, Hangzhou, China
- Single Window Conference
 - November 2018 (tbc)
- UN/LOCODE Advisory Group
 - November 2018 (tbc)
- Team of Specialist for Fisheries
 - November 2018 (tbc)

Thank you!

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