UN/CEFACT 34th Forum
IMO building, London, UK

Newcomer’s Session

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Agenda

- What is UN/CEFACT
- UN/CEFACT Deliverables
- Project Development
- Participating in UN/CEFACT
What is UN/CEFACT?
UN Economic Commission for Europe (UNECE)

FUNCTIONAL COMMISSIONS:
- Human rights
- Narcotic drugs
- Crime prevention and criminal justice
- Sustainable development
- Etc.....

REGIONAL COMMISSIONS
Economic Commission for Africa

**Economic Commission for Europe**
Economic Commission for Latin American and Caribbean
Economic and Social Commission for Asia and the Pacific
Economic and Social Commission for Western Asia

PROGRAMMES AND FUNDS
- UNCTAD
- UNDP
- UNEP
- UNICEF
- UNCDF
- .......

Diagram showing the structure of UNECE with various councils and commissions.
UNECE Work Areas

- Environment Division
- Sustainable Transport Division
- Sustainable Energy Division
- Economic Cooperation and Trade Division
- Forest, Land and Housing Division
- Statistical Division
UNECE & Trade Facilitation

**TRADE FACILITATION**

- **Simplification**: Process of eliminating all unnecessary elements and duplications in formalities, processes and procedures.
- **Harmonization**: Alignment of national procedures, operations and documents with international conventions, standards and practices.
- **Standardization**: Process of developing internationally agreed formats for practices and procedures, documents and information.

**UNECE & Trade Facilitation**
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

Key tools
- Global trade facilitation recommendations
- eBusiness standards
- Guidelines

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

Trade facilitation is discussed at three levels: all complementary
Cooperation / Collaboration
UN/CEFACT Bureau
From 05/2018

International Supply Chain PDA
- ITP
  - ITPD
  - Int’l Trade Procedures
- SWD
  - Single Window
- TFIG
  - Focal Point
- TFA
  - Focal Point

Regulatory PDA
- CBM
  - Cross-Border Mgmt
- EGOV
  - e-Governmt
- ENV
  - Environmt Mgmt

Sectoral PDA
- AGRI
  - Agriculture Fisheries & Agri food
- T+T
  - Travel & Tourism
- UTIL
  - Utilities

M+T PDA
- SPEC
  - Specificat°
- Syntax Focal Point
- Library Maintenance Focal Point
- Validation Focal Point
- Project Review & Support Focal Point

Focal Points:
- Sue PROBERT
  - Chair
- Anders GRANGÅRD
  - M+T Focal Point
- Raffaele FANTETTI
  - Library Maintenance Focal Point
- Estelle IGWE
  - ITP PDA Focal Point
- Ian WATT
  - Int’l Trade Procedures Focal Point
- Tahseen KHAN
  - Cross-Border Mgmt Focal Point
- Harm Jan VAN BURG
  - Agriculture Fisheries & Agri food Focal Point

- Communicat° Focal Point
- Accounts Focal Point
- Environmt Mgmt Focal Point
- Utilities Focal Point

- Transport & Logistics Focal Point
UN/CEFACT Deliverables
Some UN/CEFACT work

**SINGLE WINDOW**
UN/CEFACT developed the first guidance on Single Window and that definition has been used as the basis for all subsequent work. Our guidance covers implementation, data, legal, interoperability.

**DOCUMENT LAYOUT**
Since the 1960s UN/CEFACT and its predecessors have provided standards for the standardization of the layout of trade documents. The UN Layout Key is the basis of almost all cross border trade documents.

**eINVOICING**
The UN/CEFACT Cross-Industry Invoice has been chosen as one of the obligatory formats for public procurement in certain countries and its use will facilitate cross border exchanges.

**PROCESS DRIVEN**
Traditional electronic messages reflect their original paper documents rather than supporting modern process collaborations such as blockchain. UN/CEFACT is leading the path in this new approach.

**UN/EDIFACT**
The first global electronic data interchange format, UN/EDIFACT is still today the most important centrally developed and maintained EDI standard covering transport, regulatory, supply chain and more.

**NTFB (National Trade Facilitation Bodies)**
Trade facilitation is not just the domain of the public sector. To be truly effective, private sector concerns and input must be fully considered. This is reflected in UN/CEFACT Recommendations 4 & 40.

**TOURISM**
Improving tourism capabilities at a local level helps to improve lives and economies. UN/CEFACT develops and maintains a series of messages designed to enable small scale lodgings to enter markets.

**SUSTAINABLE FISHERY**
The UN/CEFACT FLUX messages are used in more and more countries to declare fish catches, conformity to regulations & port entries. Their use allow cross-border communication of the information seamlessly.

**eSPS CERTIFICATES**
Sanitary and Phytosanitary certificates are a regular part of imports and exports. The UN/CEFACT eCert is used to communicate these in international trade.

These are some examples of UN/CEFACT’s deliverables. The full list can be found and downloaded free of charge on our website: [www.uneca.org/cefact](http://www.uneca.org/cefact)
<table>
<thead>
<tr>
<th>Commercial Procedures</th>
<th>Transport Procedures</th>
<th>Regulatory Procedures</th>
<th>Financial Procedures</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Establish sales contract</td>
<td>• Establish transport contract</td>
<td>• Obtain im/export licenses etc.</td>
<td>• Provide credit rating</td>
</tr>
<tr>
<td>• Order goods</td>
<td>• Collect, transport and deliver goods</td>
<td>• Provide Customs Declarations</td>
<td>• Insurance</td>
</tr>
<tr>
<td>• Advise on delivery</td>
<td>• Provide waybills, goods receipts, etc.</td>
<td>• Provide cargo Declarations</td>
<td>• Execute payment</td>
</tr>
<tr>
<td>• Request payment</td>
<td></td>
<td>• Apply security measures</td>
<td>• Issue statements</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Clear goods</td>
<td></td>
</tr>
<tr>
<td><strong>Buy</strong></td>
<td><strong>Ship</strong></td>
<td><strong>Pay</strong></td>
<td><strong>UN/CEFACT – Semantic Hub for Standardization</strong></td>
</tr>
</tbody>
</table>
UN/CEFACT Deliverables

- Internationally agreed Recommendations and Standards
- Common Libraries
- Common Directories
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
- Rec15 – Simpler Shipping Marks
- Rec16 – LOCODE Code for Trade and Transport Locations (recently 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)
- Rec43 – Sustainable Procurement (new)
UN/CEFACT – Single Window

• Rec33 – Single Window Recommendation (recently revised)
• Rec34 – Data Simplification and Standardization for International Trade
• Rec35 – Establishing a legal framework for international trade Single Window
• Rec36 – Single Window Interoperability
• Rec37 – Single Submission Portal (new)
• Technical Note on terminology for Single Window and other electronic platforms

Work in progress:
• Recommendation Project on Core Principles of Single Window Operations
Recommendation 1
UN Layout Key

- Specifically endorsed in the WCO Revised Kyoto Convention and the WTO TF Agreement
- Provides a common basis for the layout of trade-related documents and the information they contain
  - Basis for the EU Single Administrative Document (SAD)
  - Endorsed by key international organizations
- All data elements in UNLK aligned documents have electronic equivalents in UN/EDIFACT, ebXML, ...
- Recommendation has recently been revised
UN/CEFACT – Code Lists

- Rec 7 Date Formats
- Rec 8 UNIC
- Rec 5 INCOTERMS
- Rec 3 Country Codes
- Rec 9 Currency Code
- Rec 20 Units of Measurement
- Rec 16 UN/Locode
- Rec 28 Means of Transport
- Rec 19 Mode of Transport
- Rec 21 Package Codes
- Rec 15 Shipping Marks
- Rec 24 Status Codes
- Other EDIFACT Code Lists
UN/CEFACT – Electronic Docs

Electronic Document Exchange
XML or UN/EDIFACT

Electronic Edit Form

Paper Document aligned to UN Layout
Key
***Standardizing Business Processes & Data***

- **UN/ISCRM**
  - Int’l Supply Chain Ref. Model
  - Processes harmonized with all other existing business processes

- **BRS**
  - Business Requirement Specification
  - Creates a high-level semantic description of business processes
  - Who? ; When?
  - What business process?

- **RSM**
  - Requirements Specification Mappings
  - Defines the data elements which are to be exchanged in a business process
  - What data for this business process?

- **UN/CCL**
  - Core Component Library
  - All of the data elements (as well as the data elements in their business context) are entered into this semantic library
  - Data harmonized with all other existing business processes

- **NDR**
  - Naming & Design Rules
  - Defines how to create a sample XML schema from the UN/CCL

- **UMM**
  - UN/CEFACT Modelling Methodology
  - Explains how to create new models and their relations within the ISCRM library

- **CCBDA**
  - Core Component Business Document Assembly
  - Creates a subset of the CCL with the corresponding RSM which will reply to this business process

- **CCBDA - MA**
  - Core Component Business Document Assembly – Message Assembly
  - Defines the data elements which are to be exchanged in a business process
  - What data for this business process?

- **CCTS**
  - Core Component Technical Specification
  - Explains how to create new data elements and their relations within the CCL library

- **RDM**
  - Reference Data Model
  - Logical subset of the UN/CCL that represent a given context
Project Development within UN/CEFACT
Seven-step development process

1. Inception
2. Requirements Gathering
3. Draft Development
4. Public Review
5. Project Exit
6. Publication
7. Maintenance

All documents available during the entire process
UN/CEFACT Project Approval Process

• Recommendations submitted to the UN/CEFACT Plenary for approval by member States

• Standards and Technical specifications are approved by the Bureau within the framework of the Programme of Work

• All UN member States can participate
Participating in UN/CEFACT
• Registration as an expert
  • Experts must agree to the UN/CEFACT IPR Policy and the Code of Conduct

• Approval by a Head of Delegation (HoD)

• Once approved, experts can participate in any active project
UN/CEFACT Forums

• Semi-annual events
  • Spring in Geneva
  • Autumn elsewhere

• Where have we been recently?
  • 2019 = London, UK
  • 2018 = Hangzhou, CN
  • 2017 = Rome, IT
  • 2016 = Bangkok, TH
  • 2015 = Marseille, FR
  • 2014 = New Delhi, IN
UN/CEFACT
Where to find documents
www.unece.org/cefact
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tfig.unece.org
All UNECE and UN/CEFACT Recommendations, codes, standards and publications are available for free on our website at:

- [www.unece.org/](http://www.unece.org/)
- [www.unece.org/trade](http://www.unece.org/trade)
- [www.unece.org/cefact/](http://www.unece.org/cefact/)
- [tfig.unece.org](http://tfig.unece.org)

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Thank you