



UNECE – United Nations Economic Commission for Europe
UN/CEFACT – UN Centre for Trade Facilitation and e-Business

UNCEFACT Transport and Logistics Domain

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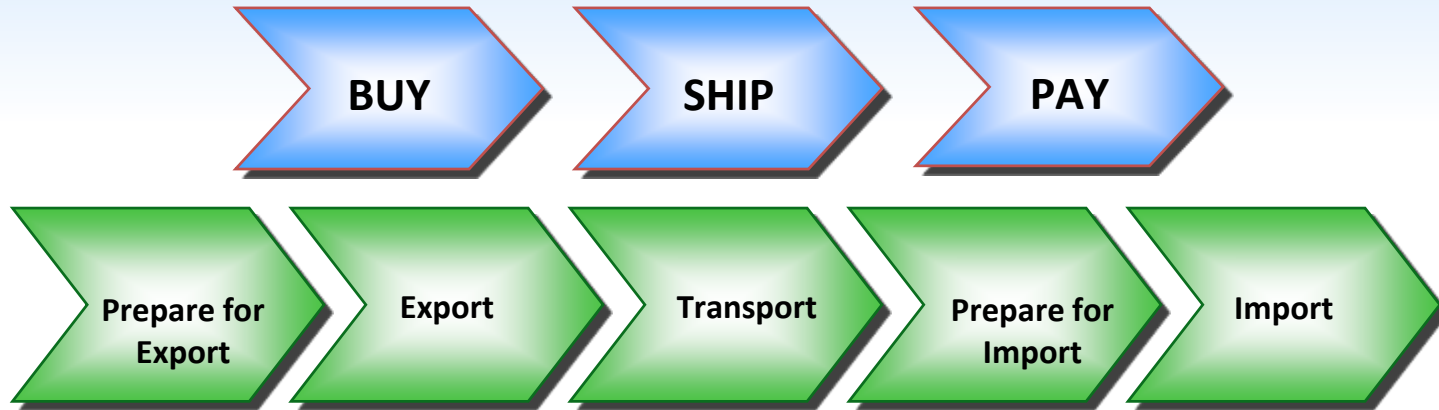
Transport & Logistics Domain

Who we are

- **Group of experts**
 - Defined nomination process (HOD approval)
 - Eligible to contribute to other domains
- **Modal organizations**
 - IMO, SDMG , IATA , IRU, UIC , ...
- **Trade & Transport eCommunity Groups**
 - GS/1, BIC, FIATA, IPCSA, PROTECT, TLF, KL-NET, INTTRA, ...
- **Transport companies**
 - Logistic service providers, carriers, shippers, port authorities, ...



Business Context of T&L



INVOLVE

Commercial Procedures

- Establish Contract
- Order Goods
- Advise On Delivery
- Request Payment
- Packing
- Inspection
- Certification
- Accreditation
- Warehousing




Transport Procedures

- Establish Transport Contract
- Collect, Transport and Deliver Goods
- Provide Waybills, Goods Receipts Status reports etc.




Regulatory Procedures

- Obtain Import/Export Licences etc
- Provide Customs Declarations
- Provide Cargo Declaration
- Apply Trade Security Procedures
- Clear Goods for Export/Import



Financial Procedures

- Provide Credit Rating
- Provide Insurance
- Provide Finance
- Execute Payment
- Issue Statements





Transport & Logistics Domain

What we do - In accordance within UN/CEFACT's strategic framework

- Identify and analyze constraints effecting the sector
- Develop and maintain Recommendations and Standards
- Promote use of UN/CEFACT deliverables
- Cooperate, coordinate and collaborate
 - UN/ECE - Transport
 - WCO - regulatory, security, data model
 - ISO TC204, TC08
 - CEN TC278



Domain relevant topics

projects and project pipeline

- Implications of mobile business on T&L
- Electronic bill of delivery (eBOD)
- Ship document access (SeDAP)
- Opportunities and implications of UNECE-IRU eTIR pilot project
- SOLAS & FAL conventions (maintenance of critical EDIFACT messages)
- IMO SOLAS Verified Container Mass (VERMAS)
- Multimodal Transport Data Model (semantic link between CC, EDIFACT and others)
- Support current LOCODE work



UN/CEFACT deliverables

T&L involvement

- The UN Layout Key for Trade Documents, which is the foundation for the EU's Single Administrative Document (SAD)
- UN/EDIFACT, the international standard for electronic data interchange
- numerous trade facilitation recommendations
- Core Component Library, containing syntax-neutral and technology-independent building blocks that can be used for data modeling
- XML schemas providing a series of coherent, consistent and normalized syntax solutions that are aligned with domain reference models for publication.



UN Layout Key

Recommendation 1

- 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 text is currently being revised and updated

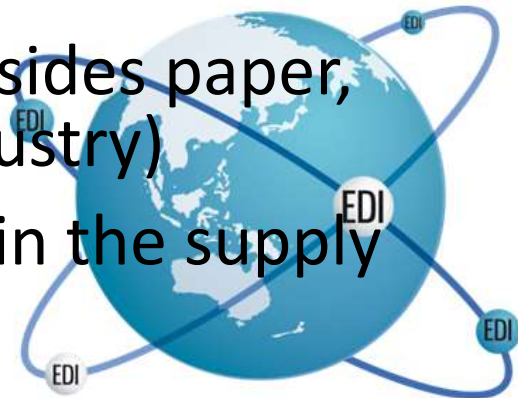
The diagram shows a 'EUROPEAN COMMUNITY EXPORT CUSTOMS DECLARATION' form. It is divided into several sections: '1. DECLARATIONS', 'B. ACCIDENTAL DETAILS', and 'C. OFFICE OF ORIGIN/EXPORT'. Each section contains various data fields, many of which are numbered (e.g., 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100). The form includes fields for 'Country of origin', 'Country of destination', 'Commodity code', 'Quantity', 'Value', 'Weight', 'Volume', 'Number of packages', 'Date of issue', 'Date of expiry', 'Place of issue', 'Place of destination', 'Office of origin', 'Office of destination', 'Signature', and 'Seal'. The form is titled 'UNECS Doc. 4444' and 'A. OFFICE OF DISPATCH/EXPORT'.



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UN/EDIFACT standard for structured business messages

- Comprise a set of internationally agreed standards, directories, and guidelines for the electronic interchange of structured data
- Standardized representation of semantics; Semantic directories developed/published by UN/CEFACT
- Syntax jointly developed/published by ISO TC154 and UN/CEFACT
- Probably the largest worldwide use besides paper, with room for specialization (local, industry)
- Decoupling ERP system dependencies in the supply chain





Use of International Codes UNECE Recommendations

Rec 7
Date Formats

Rec 8
UNIC

Rec 5
INCOTERMS

Rec 3
Country Codes

Rec 9
Currency Code

Commodity Code

Rec 20 Units of Measurement

Other EDIFACT
Code Lists

Rec 24
Status Codes

Rec 16
UN/Locode

Rec 28
Means of Transport

Rec 19
Mode of Transport

Rec 21
Package Codes

Rec 15
Shipping Marks

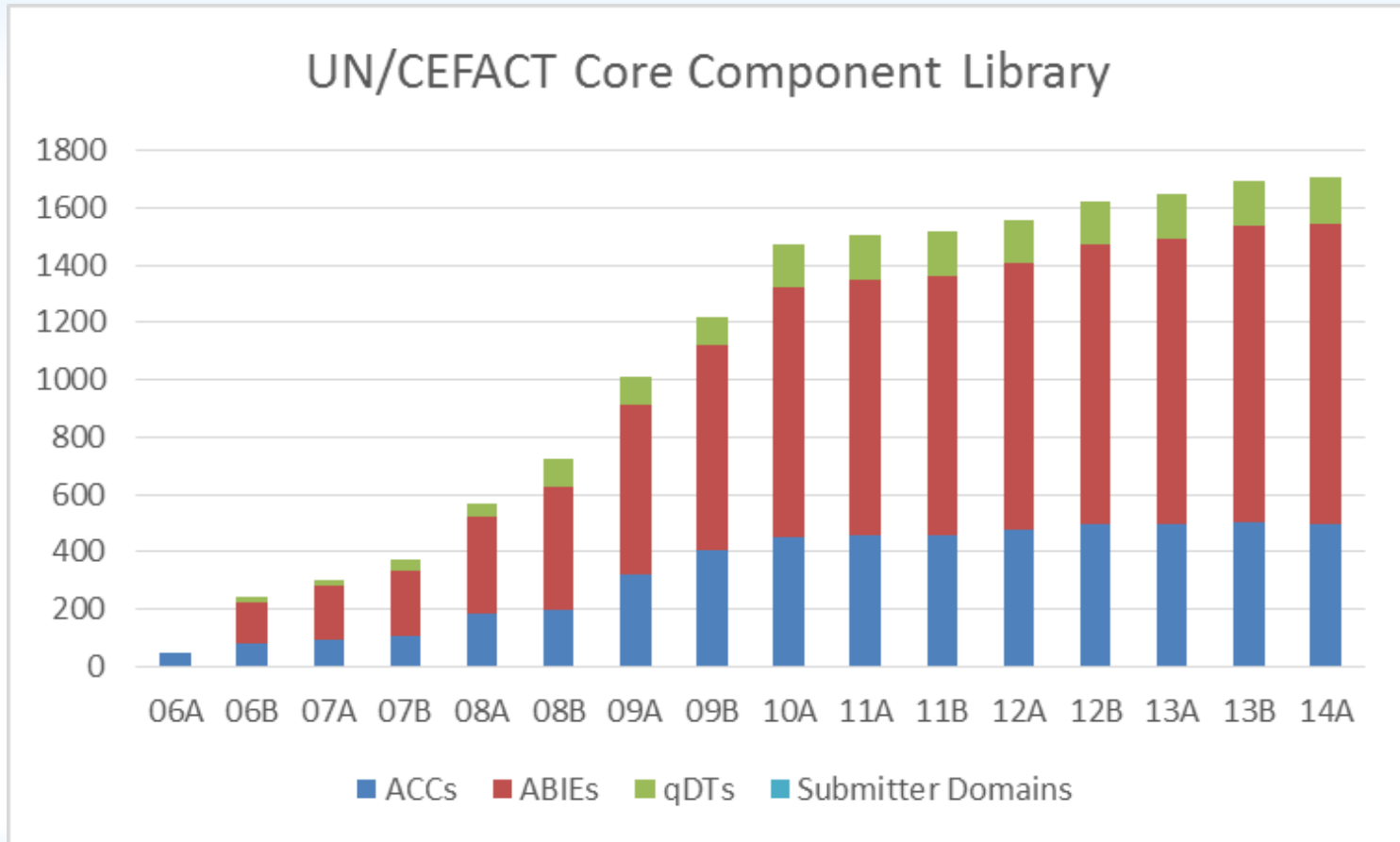
UNEceDocs EUROPEAN COMMUNITY EXPORT CUSTOMS DECLARATION

| | | | | | | | |
|---|--|---------------------------------------|--|---|--|-------------------------------|--|
| 1 Consignor / Exporter No. | | 3 Form | | 4 Loading info | | 7 Reference number | |
| 5 Items | | 6 Total packages | | 8 Person responsible for financial settlement No. | | | |
| 9 Consignee No. | | 10 Country of origin | | 11 Trading country | | 13 DAP | |
| 14 Representative No. | | 15 Country of dispatch / export | | 16 Ship/keep Code | | 17 Country of destination | |
| 18 Identity and nationality of means of transport at departure | | 19 Ctr. | | 20 Delivery terms | | | |
| 21 Identity and nationality of means of transport crossing the border | | 22 Currency and total amount invoiced | | 23 Exchange rate of transaction | | | |
| 24 Mode of transport | | 25 Inland mode | | 26 Place of loading | | 28 Financial and banking data | |
| 29 Office of exit | | 30 Location of goods | | 31 Article No. | | | |
| 32 Commodity code | | 34 Country origin code | | 35 Gross mass (kg) | | | |



Core Component Library

132 ABIEs needed for T&L and Supply Chain





Transport & Logistics Domain

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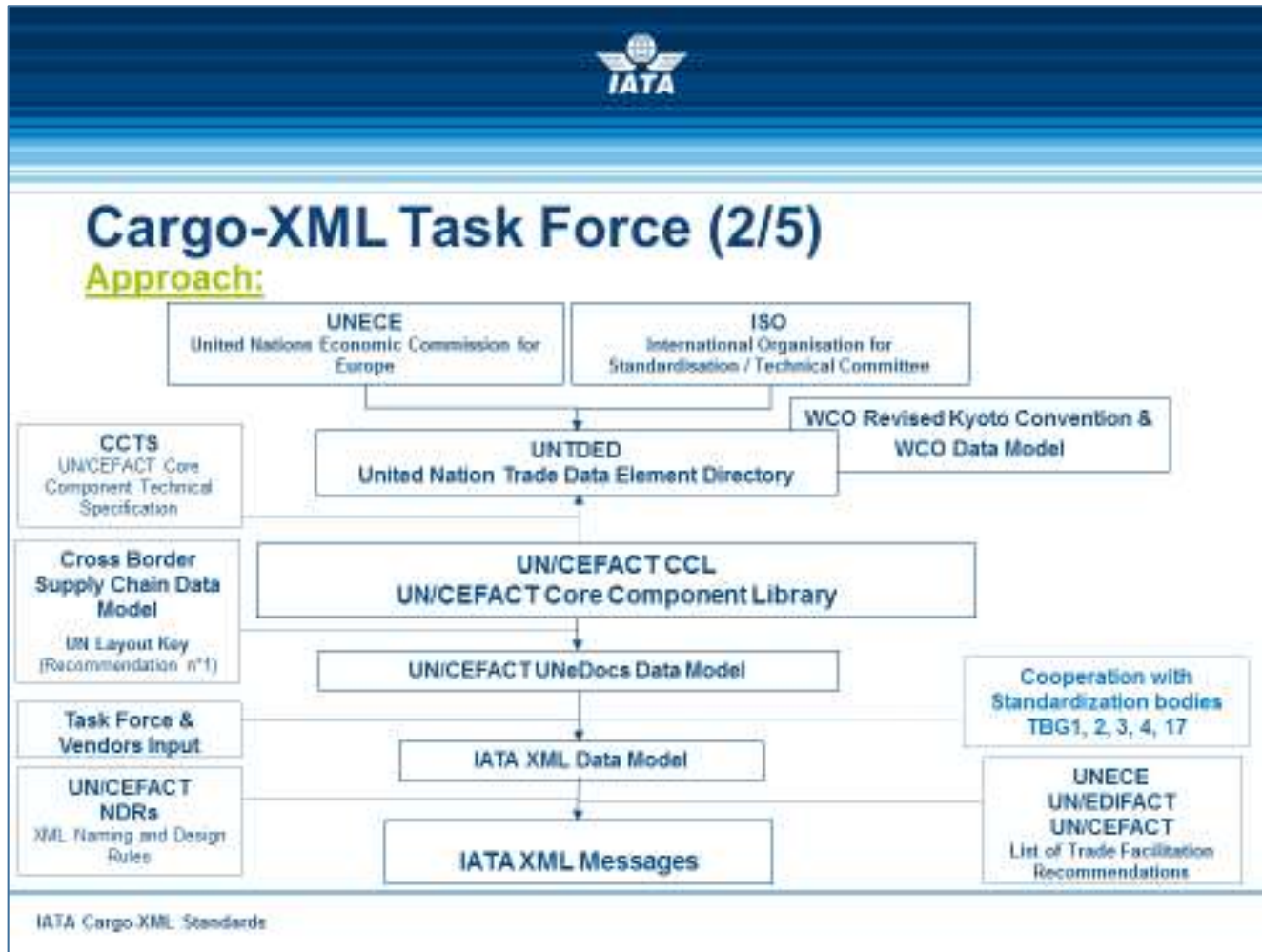
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Adoption and use of CCL in transportation

- EU SSXML (Short Sea XML - Scheduling, Booking, Manifest and Status)
- NOSCIFEL (French Project)
- IATA CargoXML
- EU CORE Project (WP10 – data pipeline pilots)
- WCO Data Model cooperation

IATA CargoXML reuse of Standards



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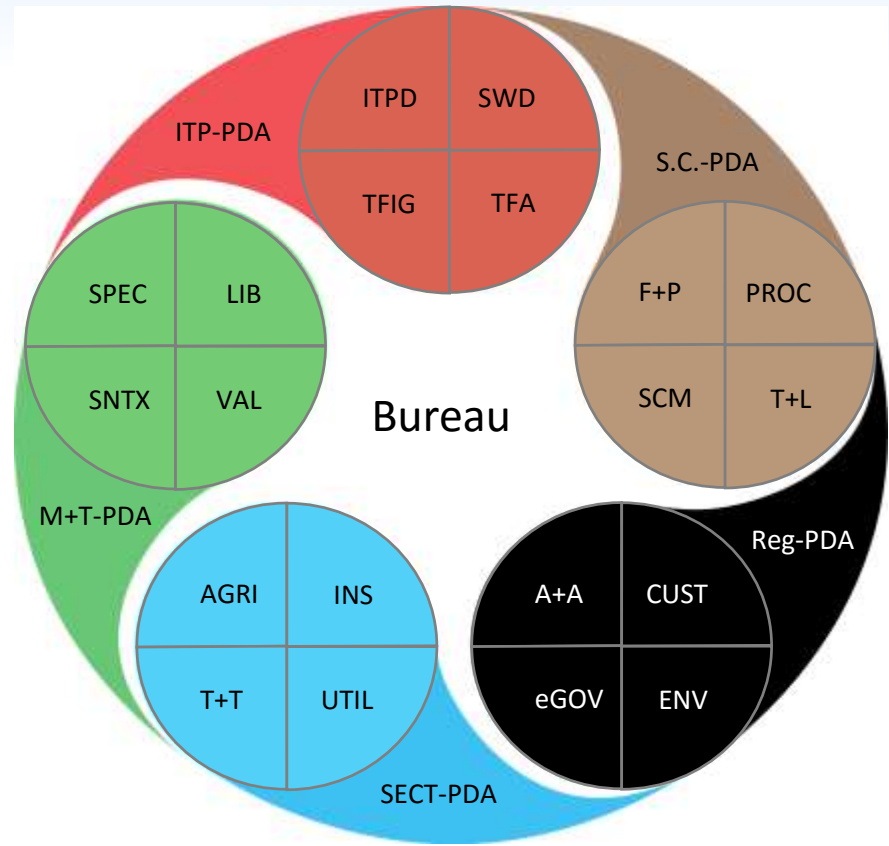
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Main Relationships and Liaisons

with other Program Development Areas / domains

- Supply Chain Management (Supply Chain Reference Data Model (SCRDM))
- Sectoral - Agriculture (Transport of produce)
- International Trade Procedures - Single Windows Implementation,
- Regulatory - Environmental Management (Transfrontier movement of waste: Basel Convention)
- Methodology and Technology – Library Maintenance (DMR)





UN/CEFACT

Other work pertinent to logistics

- Agriculture
 - Sanitary/Phytosanitary Certificates (eCERT)
 - Cattle registration information exchange
 - Fishery control
 - CITES
- Environment
 - Transfrontier movement of waste (Basel convention)
- Customs
 - All customs messages are developed at the World Customs Organization.
 - The data model which the WCO produce is based on the same data types as the UN/CEFACT CCL.
 - The data model follows the same semantic framework as the UN/CEFACT CCL.