

UNECE Standards for Global e-Business Interoperability

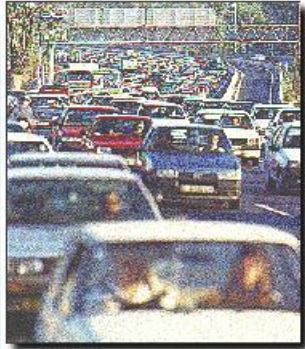


Tauno Kangur
Global Trade Solutions Section
Trade Division, UNECE

UNESCAP -ECO Joint Trade Facilitation Forum
on Paperless Trade and Single Window

Kuala Lumpur, 24-25 May 2012

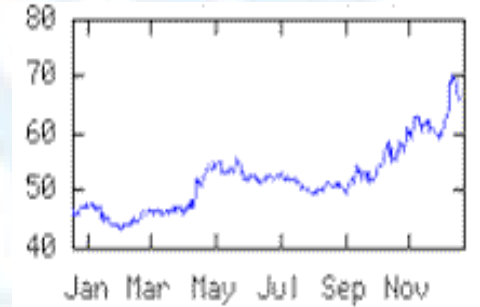
UNECE Work Areas



Transport



Economic cooperation



Statistics



Sustainable
energy



Housing



Trade



Environmental policy

UNECE Trade Facilitation and Electronic Business Standards - UN/CEFACT

Objectives

Simple, transparent and effective processes for **global** business

Efficient and automated exchange of information

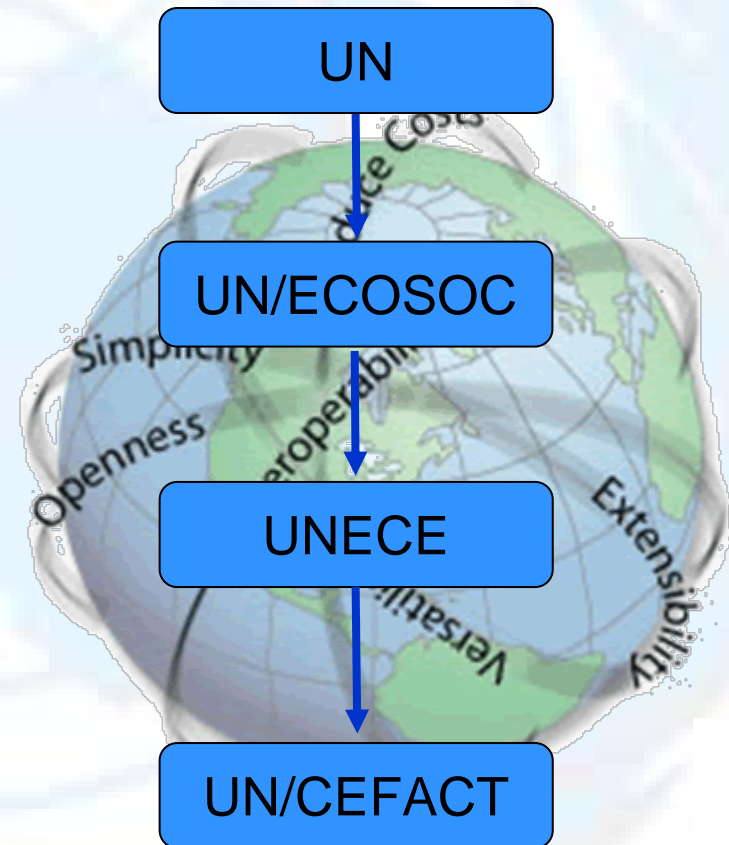
Means

Standards developed in an open and transparent environment

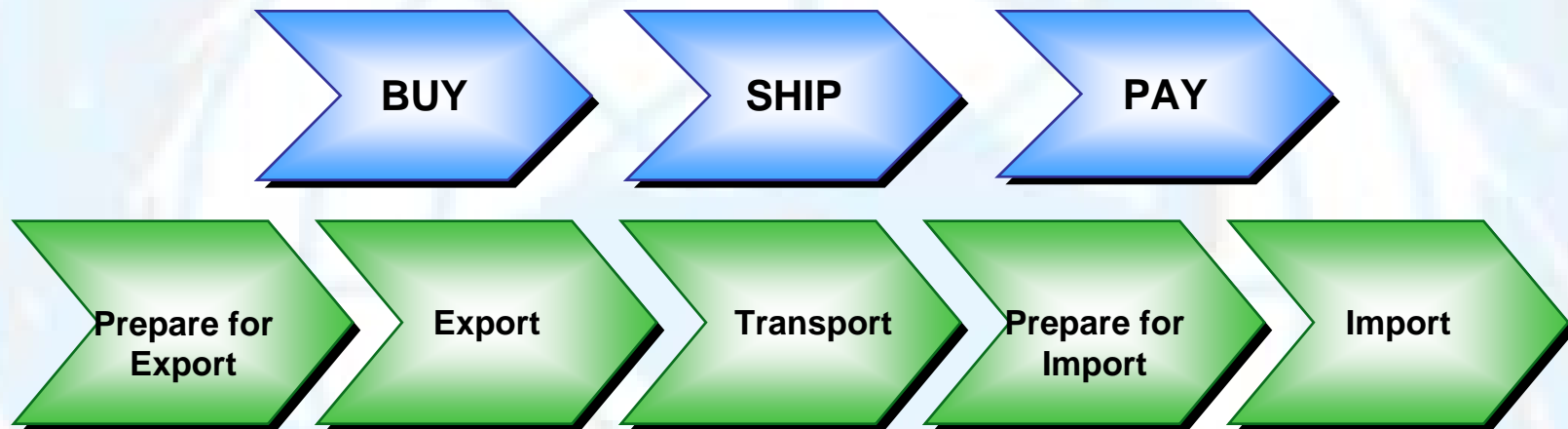
Public Private Sector Partnership – over 200 international experts

Specific Customs Domain

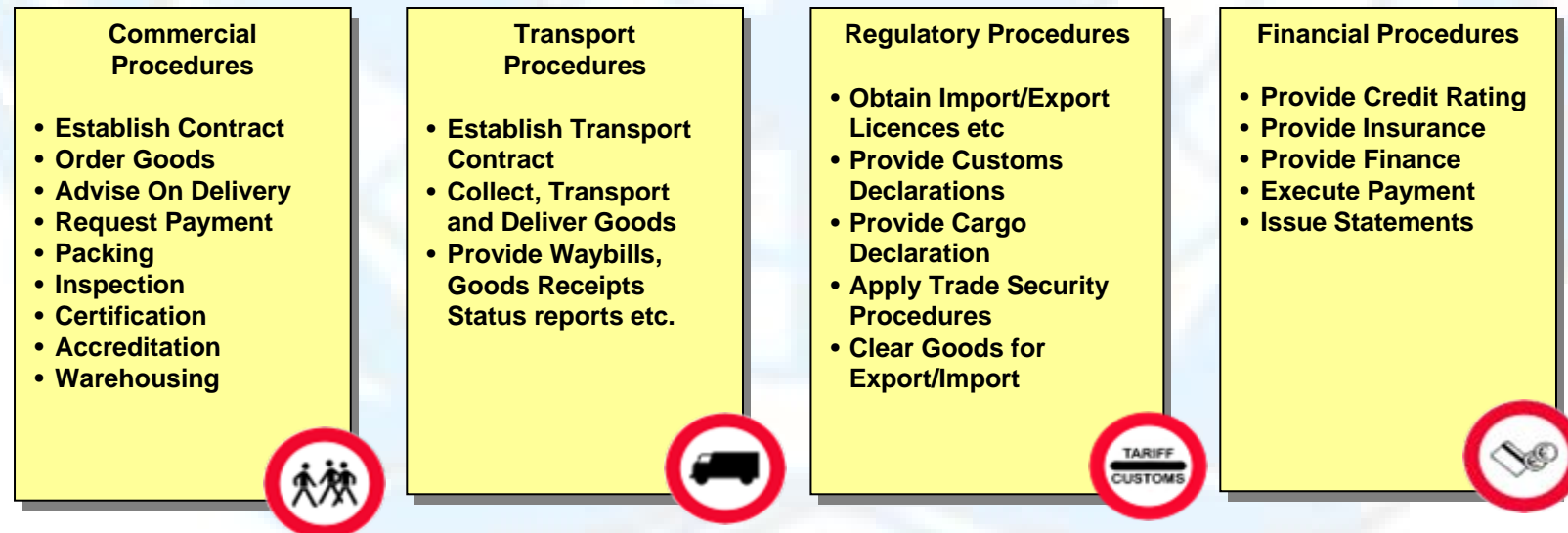
UN/CEFACT Forums – joint meetings of experts - 2 per year – September 2012 Vienna



International Trade Transaction Process



INVOLVES



Success Stories

Specifically endorsed in the
WCO Revised Kyoto
Convention and the draft WTO
TF Agreement

- Basis for the EU Single Administrative Document (SAD)

Endorsed by key international
organizations

UN Layout Key

The diagram illustrates the layout of a UNEDoc form, specifically the European Community Export Customs Declaration. The form is organized into several main sections, each with a specific purpose and containing various fields for data entry. The sections are labeled as follows:

- 1. Declaration:** This section includes fields for the declaration number, date, and the name of the declarant.
- 2. Origin:** This section includes fields for the country of origin, the country of dispatch, and the country of destination.
- 3. Commodity:** This section includes fields for the commodity code, the description of the goods, and the quantity.
- 4. Value:** This section includes fields for the value of the goods, the currency, and the unit of measurement.
- 5. Duties and taxes:** This section includes fields for the duties and taxes payable, the rate, and the amount.
- 6. Accounting:** This section includes fields for the accounting details, such as the account number and the balance.
- 7. Signature:** This section includes fields for the signature of the declarant and the signature of the customs officer.
- 8. Office of destination:** This section includes fields for the office of destination, the office of origin, and the office of transit.
- 9. Office of origin:** This section includes fields for the office of origin, the office of destination, and the office of transit.
- 10. Office of destination:** This section includes fields for the office of destination, the office of origin, and the office of transit.

The form is titled "UNEDoc EUROPEAN COMMUNITY EXPORT CUSTOMS DECLARATION" and includes a "UNEDoc" logo in the top left corner. The form is designed to be used by exporters to declare the origin and value of goods for customs purposes.

Rec. 19
Mode of Transport

Rec.16
UN/LOCODE

Rec. 3
ISO Country Code

Rec. 17
Payment
Terms

at Professional - [UNSA...SAMPLE.pdf]

Document Tools Advanced Window

122%

Review & Comment Secure Sign Advanced Editing Select Text Save

UNeDocs

EXPOR...TOMS DECLARATION

1 Declaration

1 Consignor / Exporter

3 Forms 4 Loading lists

5 Items 6 Total packages 7 Reference number

9 Person responsible for financial settlement No

10 Country first 11 Trading 13 CAP

14 Consignee / Representative No

15 Country of despatch / export 16 Country of origin 17 Country of final destination

18 Identity and nationality of means of transport departure 19 Ctr. 20 Delivery terms

21 Identity and nationality of active means of transport crossing the border

22 Currency and total amount invoiced

25 Mode of transport 26 Inland mode 27 Place of loading 28 Financial and banking data

29 Office of exit 30 Location of goods

31 Marks and numbers - Container No(s) - Numbers and kind

32 Article No. 33 Commodity code 34 Country origin code 35 Gross mass (kg)

Rec. 9
ISO Currency
Code

Commodity
Code

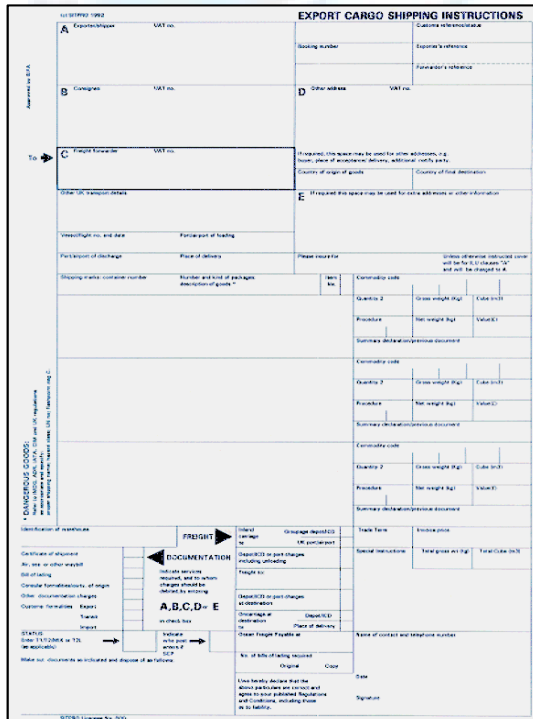
Rec. 28
Means of Transport

Rec. 21
Package Codes

Rec. 20 Units of
Measurement

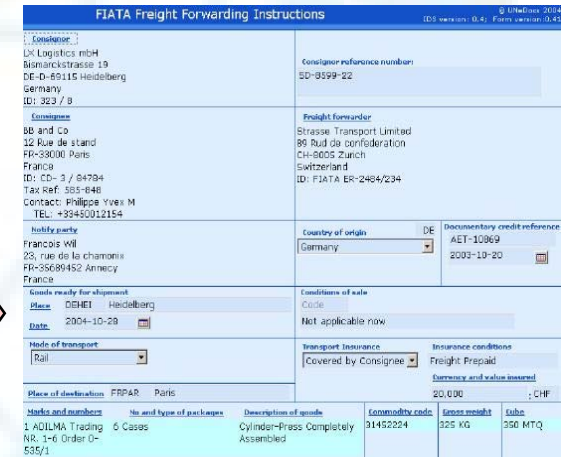
Electronic Documents

Electronic Document Exchange XML or UN/EDIFACT



The image shows a complex paper document titled 'EXPORT CARGO SHIPPING INSTRUCTIONS'. It is divided into several sections: A (Export/Shipper), B (Consignee), C (Freight Forwarder), D (Other address), and E (Remarks). Section A includes fields for Export/Shipper, VAT no., and Customs reference. Section B includes Consignee, VAT no., and Customs reference. Section C includes Freight Forwarder, VAT no., and Customs reference. Section D includes Other address, VAT no., and Customs reference. Section E includes Remarks. The document also includes a 'FREIGHT' section with fields for Freight, Freight currency, and Freight unit. At the bottom, there is a 'DOCUMENTATION' section with fields for Documentation, Documentation currency, and Documentation unit. The document is aligned to the UN Layout Key.

```
<?xml version="1.0" encoding="UTF-8"?>
<n:Invoice xmlns:n="urn:oasis:names:tc:ubl:Invoice:1.0:0.70"
  xsi:schemaLocation="urn:oasis:names:tc:ubl:Invoice:1.0:0.70
    UBL_Library_Op70_Invoice.xsd">
  <cat:ID token=<cat:ID>
  <cat:IssueDate>2003-02-14</cat:IssueDate>
  <n:TaxPointDate>2003-02-14</n:TaxPointDate>
  <cat:BuyerParty>
    <cat:PartyName>
    <cat:Name>Bills
  </cat:PartyName>
  </cat:BuyerParty>
  <cat:SellerParty>
    <cat:ID>
    <cat:PartyName>
    <cat:Name>Joes Office
  </cat:PartyName>
  </cat:SellerParty>
  <cat:InvoiceLine>
    <cat:ID>1</cat:ID>
    <cat:InvoicedQuantity>
    unitCode="token">5</cat:InvoicedQuantity>
    <cat:Item>
      <cat:Description>Pencils, box #2
    </cat:Item>
    </cat:InvoiceLine>
  </n:Invoice>
```



The image shows an 'Electronic Edit Form' for 'FIATA Freight Forwarding Instructions'. It is a structured form with multiple sections and fields. The sections include: Consignee (Logistics mbH, Bismarckstrasse 19, DE-69115 Heidelberg, Germany, ID: 323 / B), Consignee (BB and Co, 12 Rue de la Land, FR-93000 Paris, France, ID: CD- 3 / 64794, Tax Ref: 503-646, Contact: Philippe Yves M, TEL: +33450012154), Freight forwarder (Strasse Transport Limited, 89 Rue de la Confédération, CH-8005 Zurich, Switzerland, ID: FIATA ER-2484/234), Country of origin (DE, Germany), Documentary credit reference (AET-10869, 2003-10-20), Conditions of sale (Code, Not applicable now), Goods ready for shipment (Place: DHEI, Heidelberg, Date: 2004-10-29), Mode of transport (Rail), Transport insurance (Covered by Consignee, Freight: Prepaid, Currency and value insured: 20,000, CHF), Place of destination (FRPAR, Paris), Marks and numbers (No and type of packages: 6 Cases, Description of goods: Cylinder-Press Completely Assembled, Commodity code: 31452224, Gross weight: 325 KG, Cube: 350 MTQ), 1 AQILMA Trading, NR: 1-6 Order 0-535/1.

Electronic Edit Form

Paper Document
aligned to UN Layout Key

Success Stories

UN/EDIFACT

The international standard
for electronic data
exchange

□ Backbone of global trade

Bi-annual publication by
UNECE

DTM+4:20060620:102'
NAD+BY+++Bestellername+
Strasse+Stadt++23436+xx'
LIN+1++Produkt Schrauben:SA'
QTY+1:1000'

UN/EDIFACT

209 Messages, including 7 Customs Messages:

CUSCAR Customs cargo report message

CUSREP Customs conveyance report
message

CUSDEC Customs declaration message

CUSEXP Customs express consignment declaration
message

CUSRES Customs response message

CUSPED Periodic customs declaration message

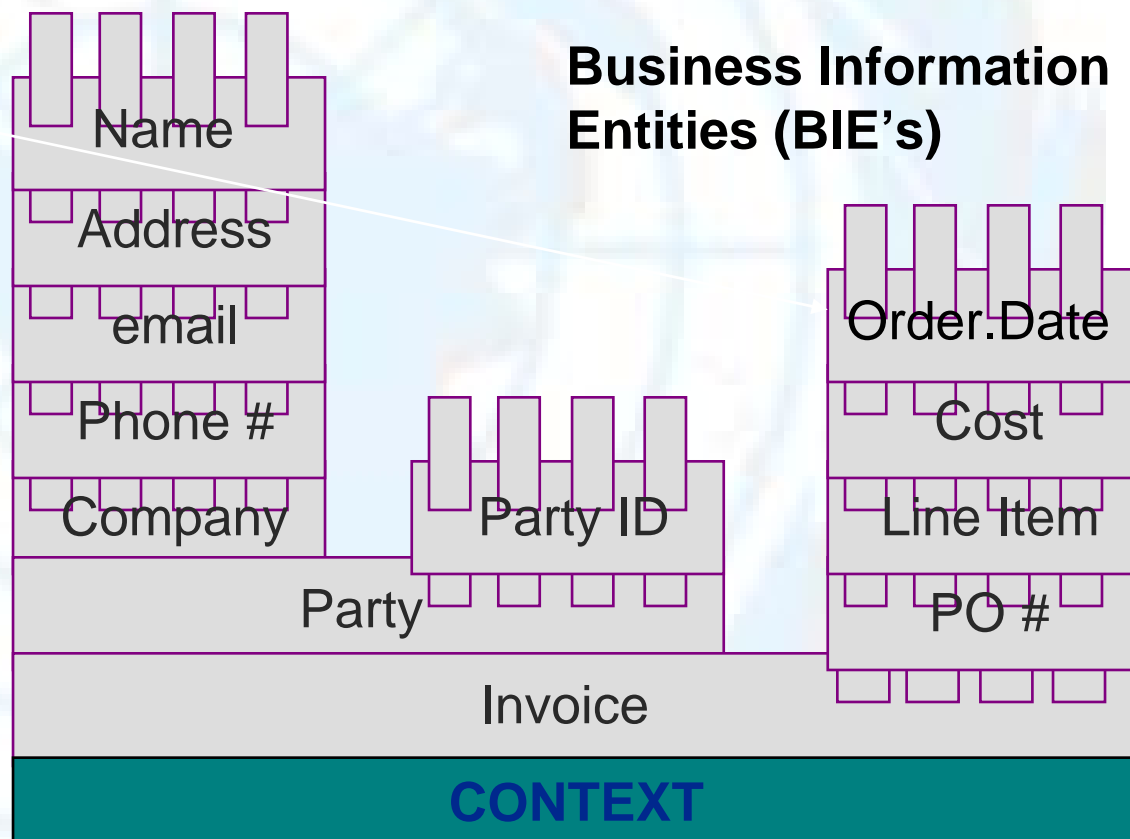
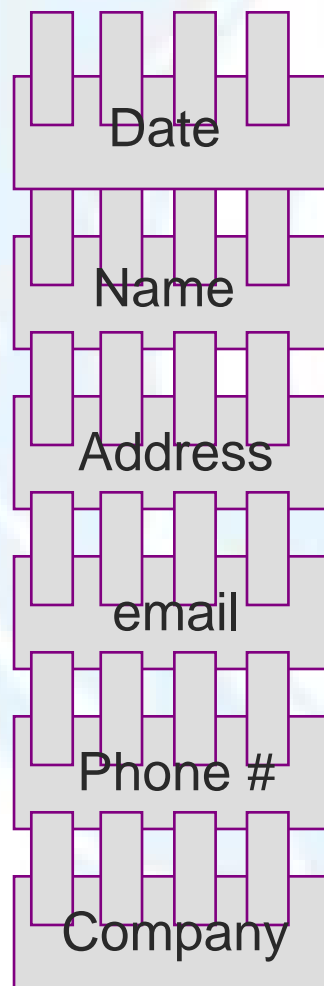
GOVCBR Government Cross Border Regulatory message

United Nations Trade Data Element Directory (UNTDDED)

**(International Organisation for Standardisation
ISO 7372)**

- Developed to provide a directory to facilitate open interchange of data in international trade
- Standard data element names with description of meaning (data value) and a specification of character representation
- Fully consistent with UN/EDIFACT

UN/CEFACT Core Component Library (CCL)

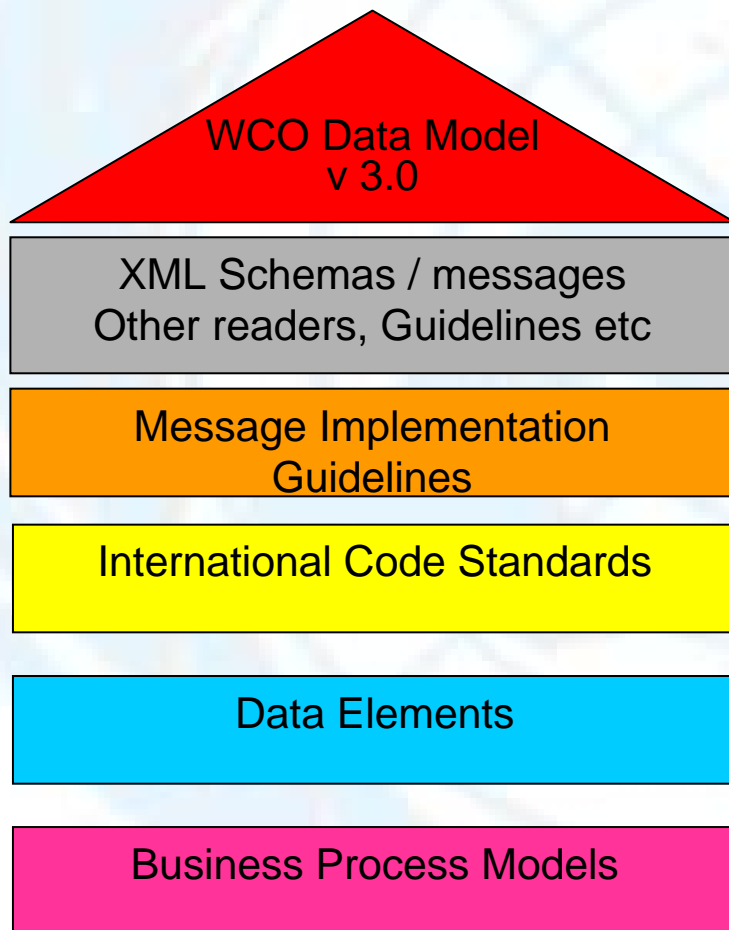


UN/CEFACT Cross Industry Invoice - CII

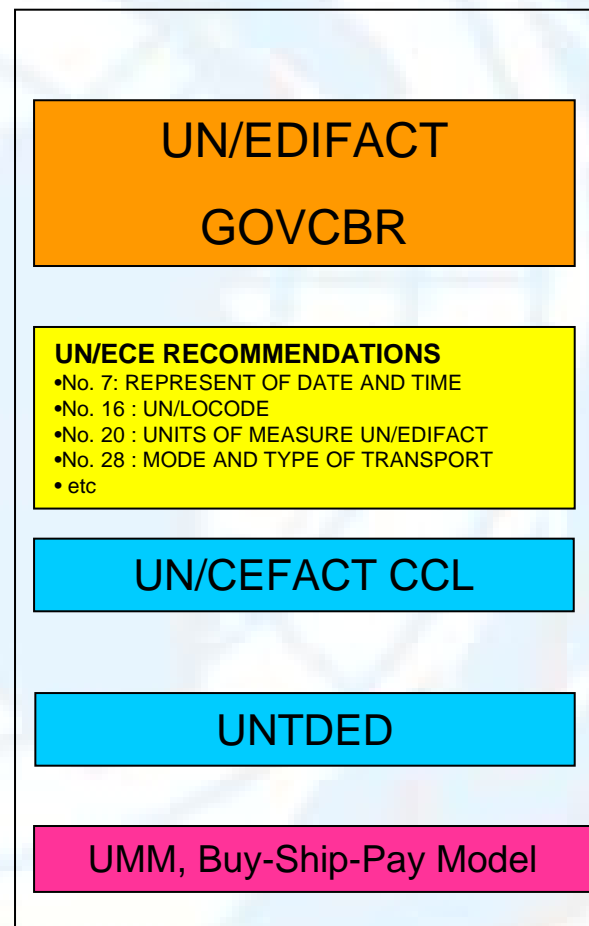
- This common global standard is based on a set of business requirements from different industries and stakeholders in both the private and public sectors
- The European Commission Expert Group on e-invoicing recommends that all actors within both the private and public sector adopt a common invoice content standard and data model – the UNCEFACT Cross-Industry Invoice (CII) v.2 (http://ec.europa.eu/internal_market/consultations/docs/2009/e-invoicing/report_en.pdf)

WCO Data Model & UN/CEFACT Standards

WCO Data Model



UN/CEFACT Standards



Single Window Instruments

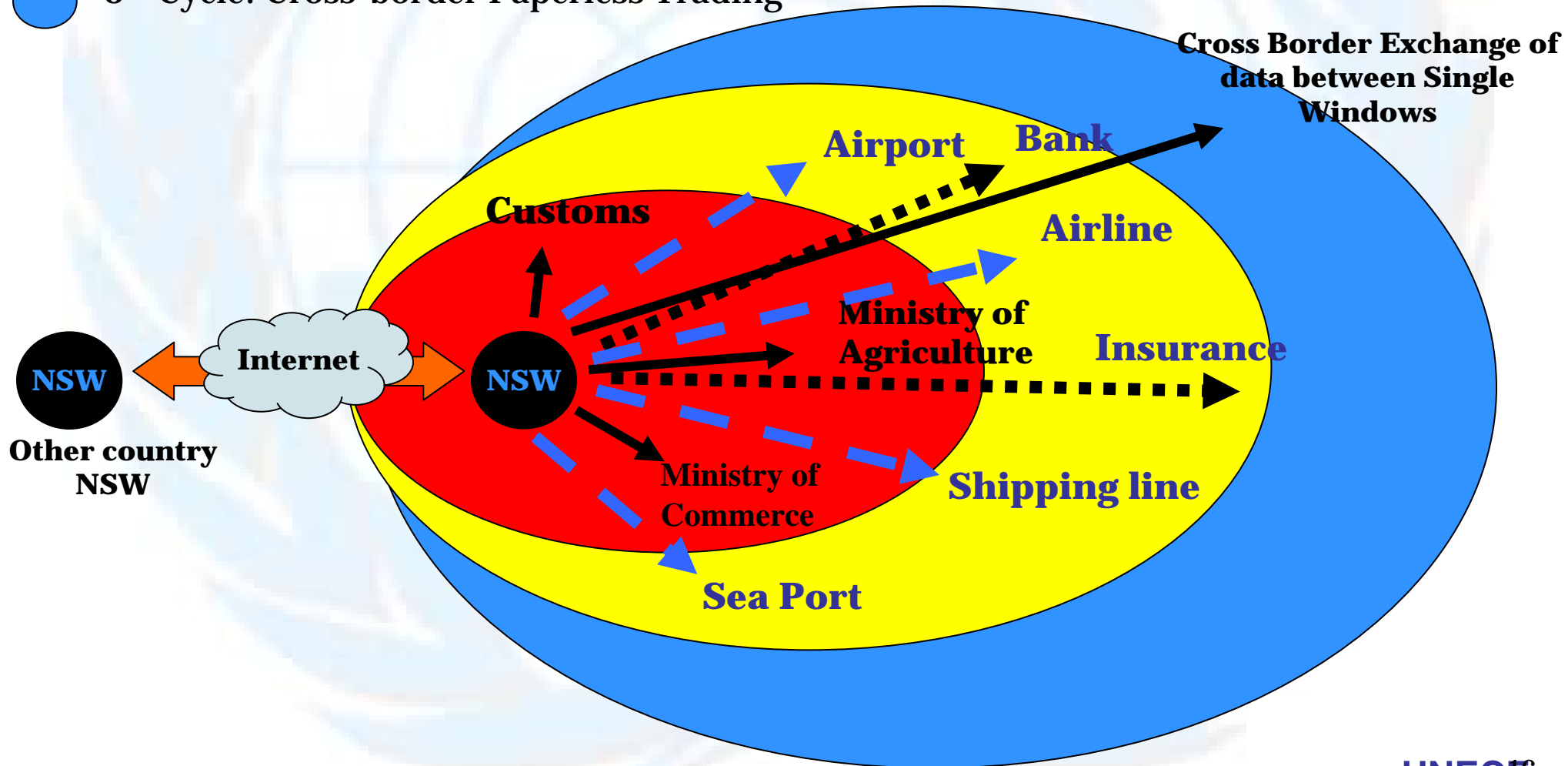
- UN/CEFACT Recommendation & Guidelines on Establishing a Single Window (Recommendation No 33)
- Draft UN/CEFACT Recommendation 34 - Data Simplification & Standardization for International Trade
- Draft UN/CEFACT Recommendation 35 - Establishing a Legal Framework for an International Single Window
- UN/CEFACT Repository of Single Window applications
- Single Window Implementation Framework (SWIF) – under ITAIDE (Information Technology for Adoption and Intelligent Design for eGovernment)
-

Implementing Single Window Using UN/CEFACT and WCO Standards & Recommendations



Single Window Phased Development Approach

- 1st Cycle: Customs Clearance + Permits & Certificates Issuance
- 2nd Cycle: Transport + Financial Settlement
- 3rd Cycle: Cross-border Paperless Trading



UNECE – UN/CEFACT Integrated Framework of Standards for Paperless Trade

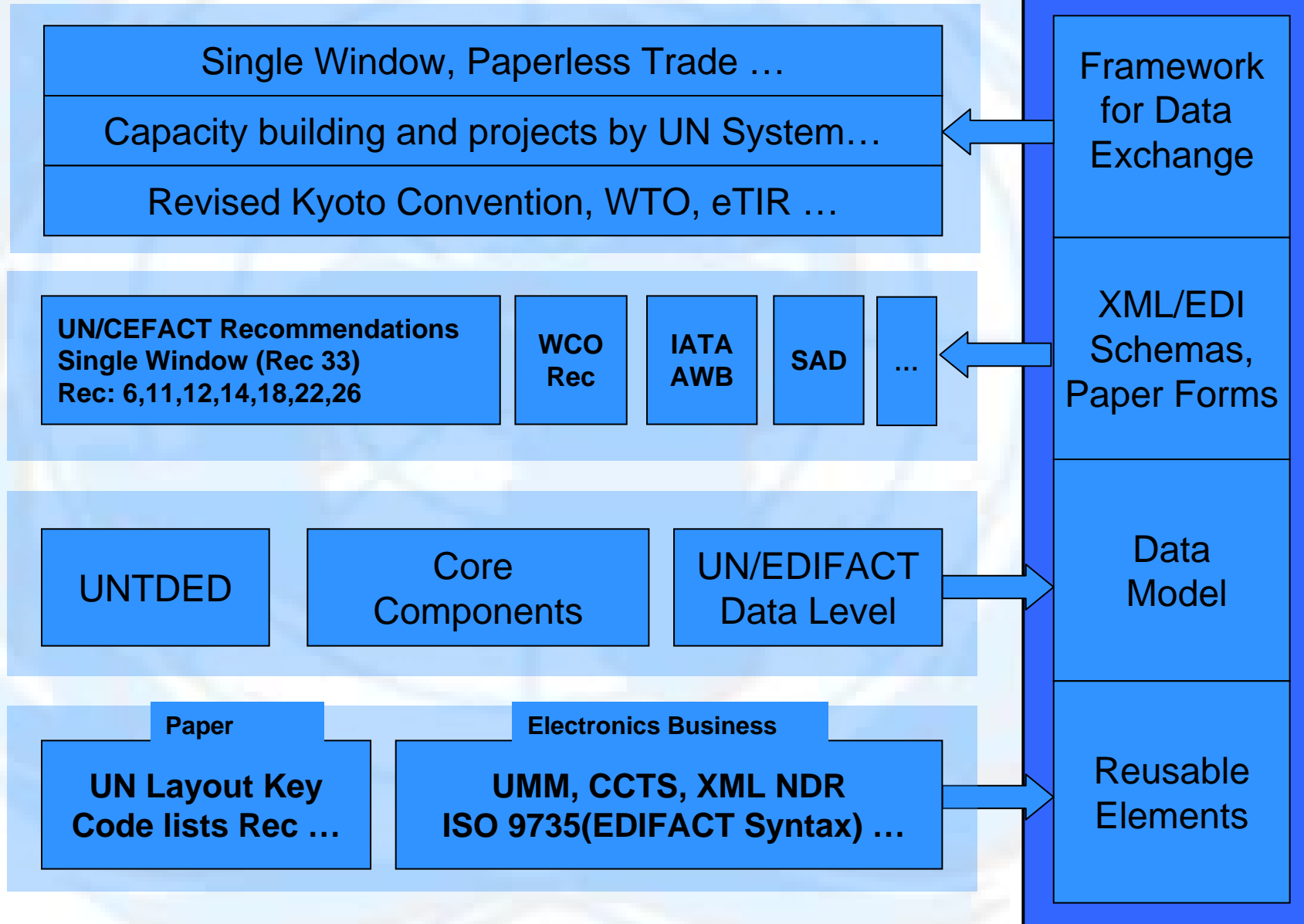
Trade Facilitation Layers

Policy
(National, Regional, Sector)

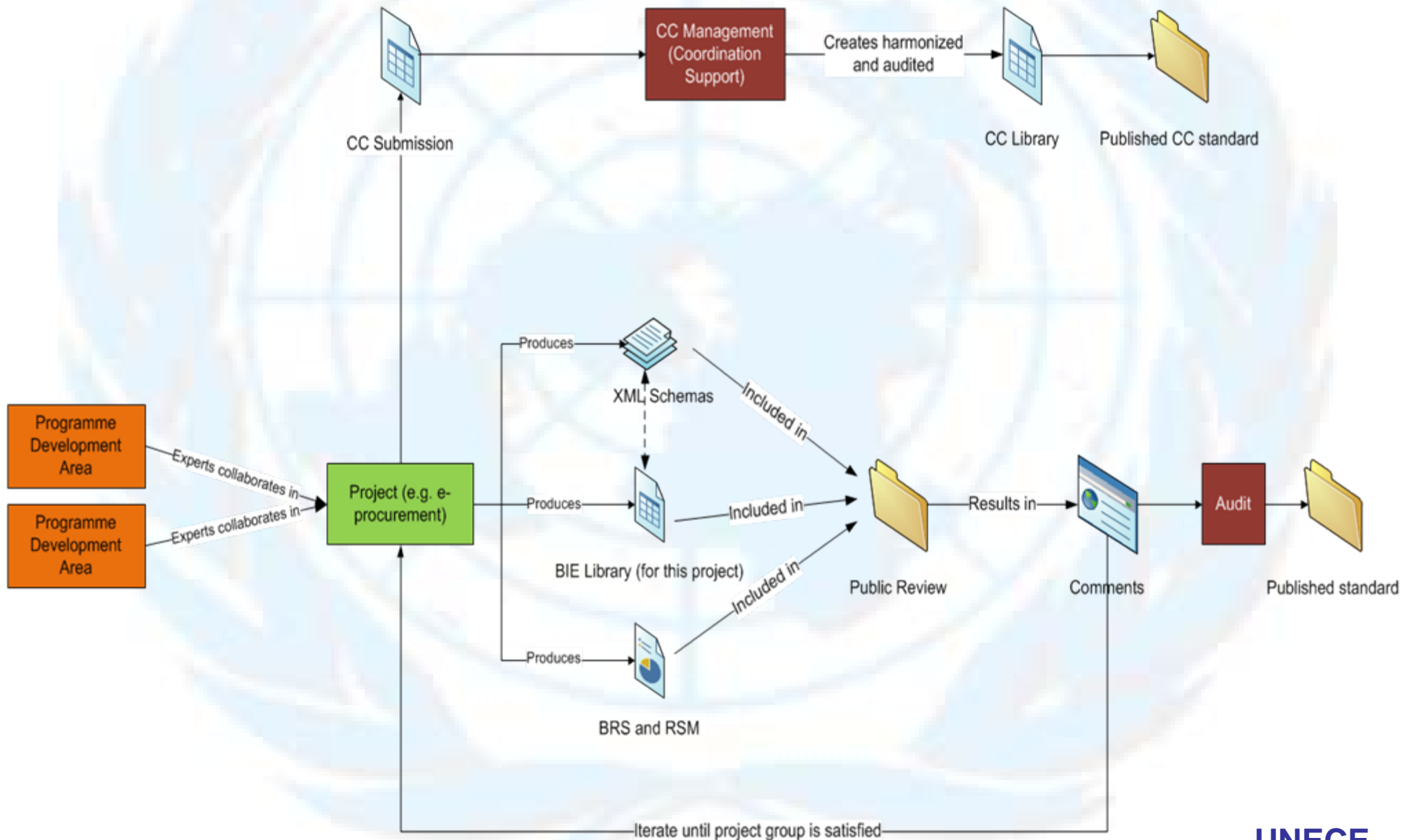
Implementation

Inter-change

Generic



UN/CEFACT Programme Development





The UNECE

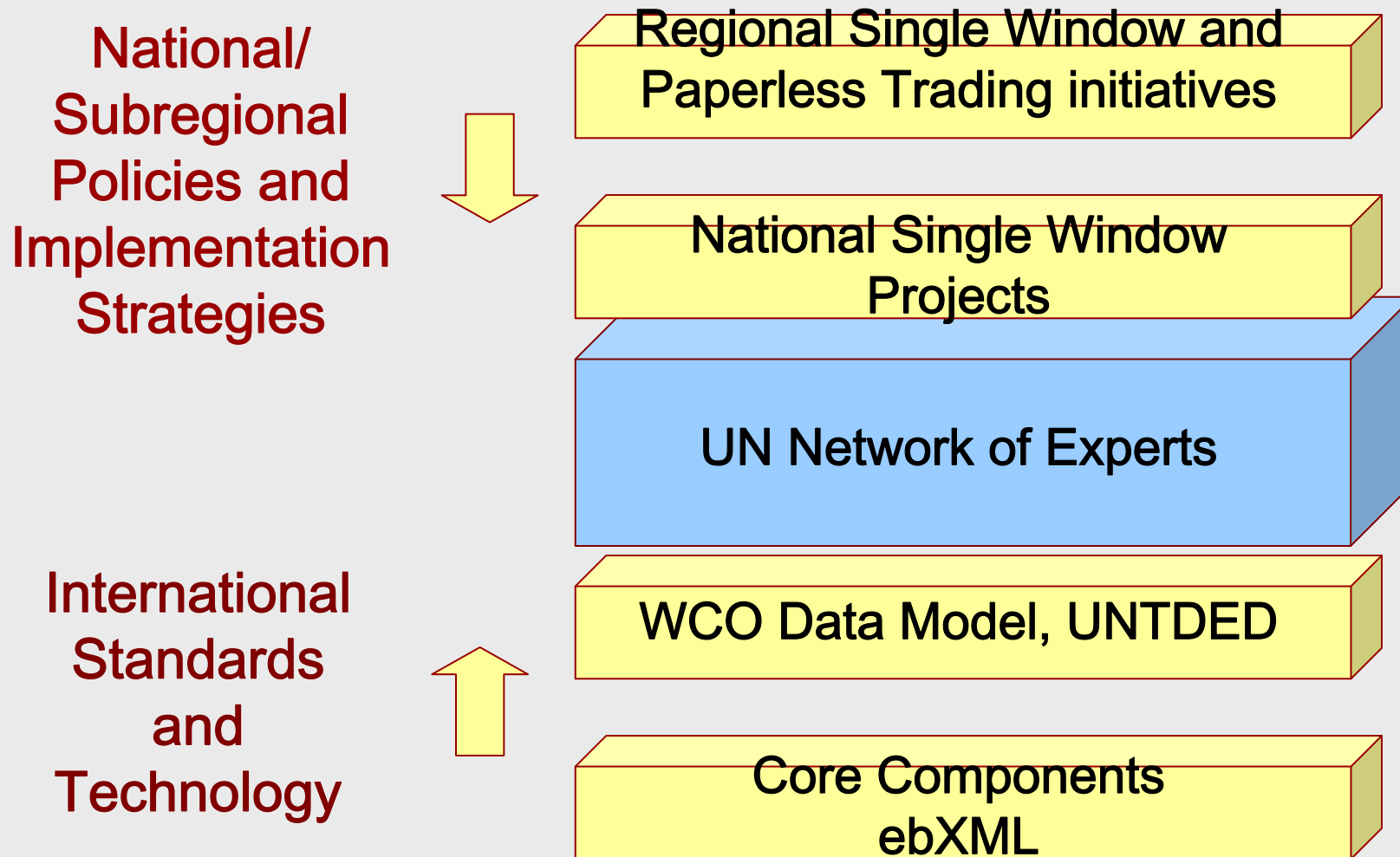
Inland Transport Committee (ITC)

57 Agreements and Conventions

Examples:

- ☐ **TIR Convention, 1975**
- ☐ **European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), 1957**
- ☐ **Convention on the Contract for the International Carriage of Goods by Road (CMR), 1956**
- ☐ **Convention on the Harmonization of Frontier Controls of Goods, 1982**

How do we bridge the gap between the policy framework & the implementation at regional/national level?



UN Single Window Symposium in December 2011

- ❖ UN Single Window Symposium in Geneva, 12 to 13 December 2011 – Single Window 10 years on – where are we now and where should we go
- ❖ Explored possible new models for trade data interchange – including the use of cloud computing
- ❖ Global perspective - organised by all five UN Regional Commissions (Africa, Asia, Europe and North America, Middle East, Latin America)

UNECE and UN/CEFACT upcoming meetings

- UNECE 5th Session of the
Committee on Trade 18-19 June 2012
- UN/CEFACT Meeting of
Experts – Vienna, Austria 17-21 September 2012
- UN/CEFACT Meeting of
Experts – Geneva, Switzerland 15-19 April 2013
- UN/CEFACT 19th Plenary 5-7 June 2013
- UN/CEFACT Meeting of
Experts – India autumn 2013

**UNECE -
UN/CEFACT**

**UNECE in partnership
with other
organizations**

**UNCTAD, WB,
WCO, UNIDO, etc**

**Recommendations
Standards
Development and
Maintenance**

Capacity Building
(Helping government
elaborate a national
TF strategy)

**Technical
Assistance**
(Donors decide what
is to be done) -
UNECE does not
provide long term TA



WTO

Develops rules such as those for minimal transparency, equal treatment and (perhaps in the future) for simplified procedures (WTO does not develop the recommendations and instruments needed for implementation)

Follow-up

All UNECE and UN/CEFACT Recommendations, codes, standards and publications are available for free on our website at:

- www.unece.org
- www.unece.org/trade
- www.uncefact.org
- E-mail: tauno.kangur@unece.org