



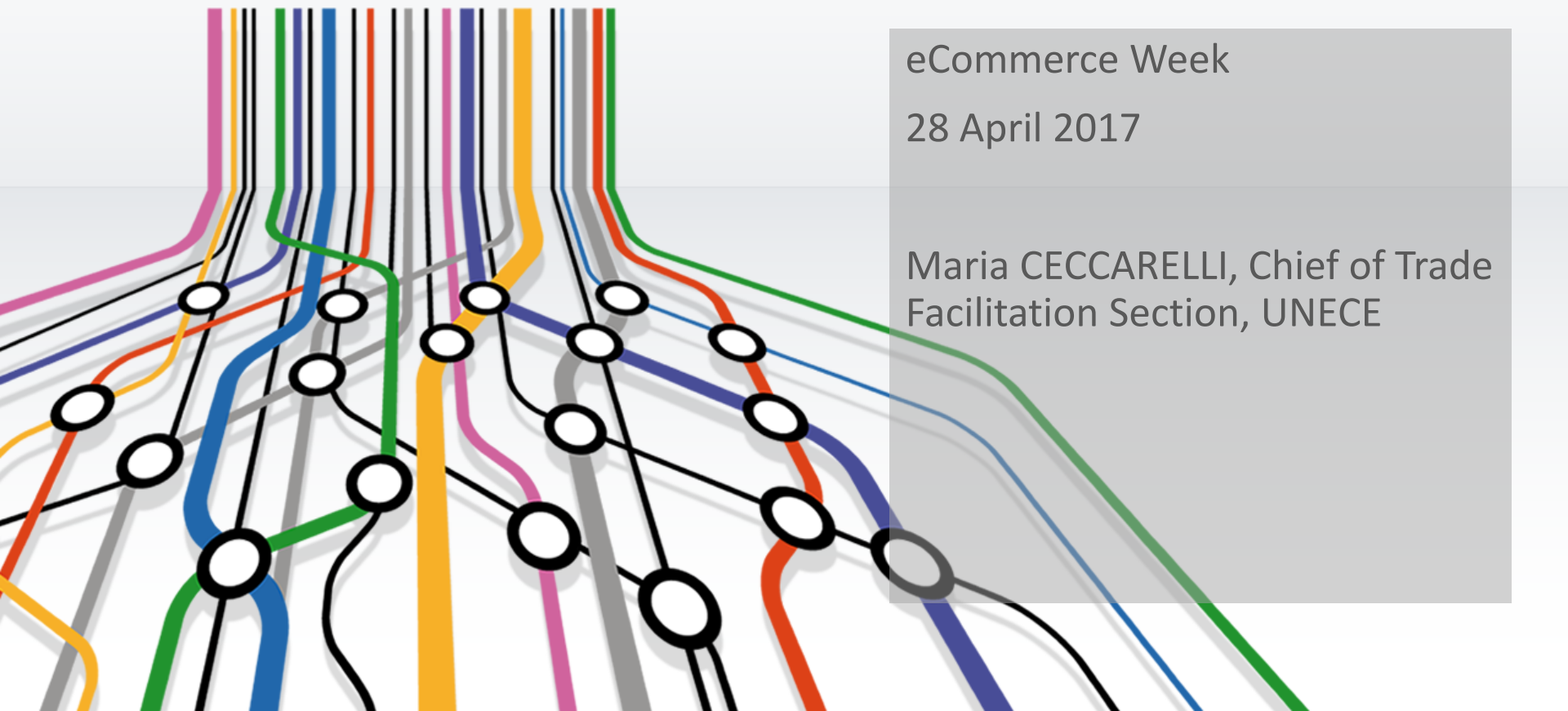
UNECE

UN/CEFACT Solutions in International Transport and Trade Facilitation

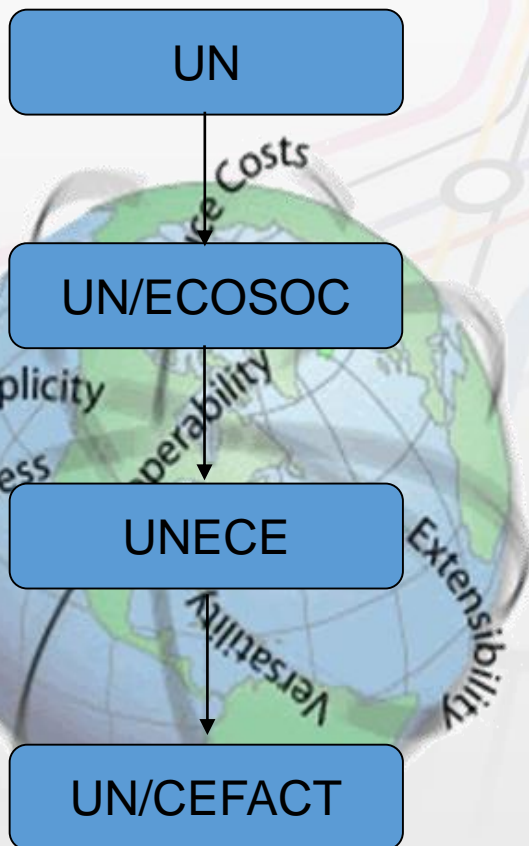
eCommerce Week

28 April 2017

Maria CECCARELLI, Chief of Trade
Facilitation Section, UNECE



What is UN/CEFACT



The UN Centre for Trade Facilitation and Electronic Business (UN/CEFACT)

serves as the focal point for trade facilitation recommendations and electronic business standards, covering both commercial and government business processes that can foster growth in international trade and related services

Global Remit

What is UN/CEFACT

Objectives

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

Outputs

- Global Trade Facilitation and Electronic Business Recommendations and Standards

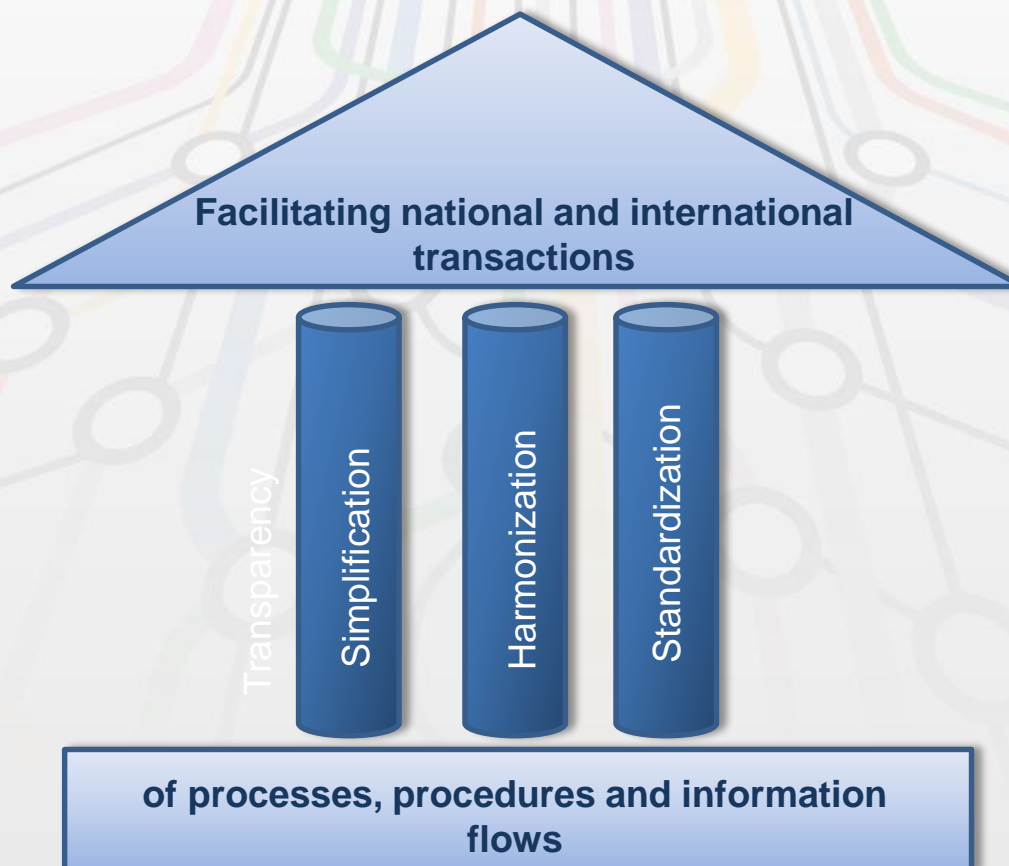
Means

- Public Private Sector Partnership – over 300 experts from government and business
- Meet virtually every week plus two Forums per year

UN/CEFACT's Mission

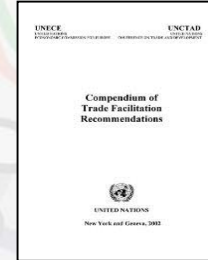
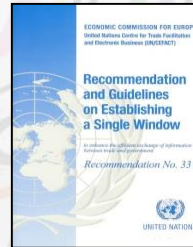
UN/CEFACT's mission is to improve the ability of business, trade and administrative organizations, from developed, developing and transitional economies, to exchange products and relevant services effectively

UN/CEFACT's pillars

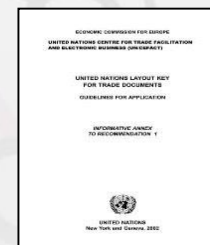
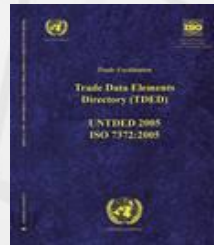


UN/CEFACT's Work

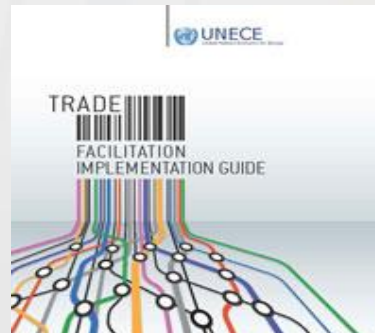
Trade Facilitation Policy Recommendations



eBusiness Standards

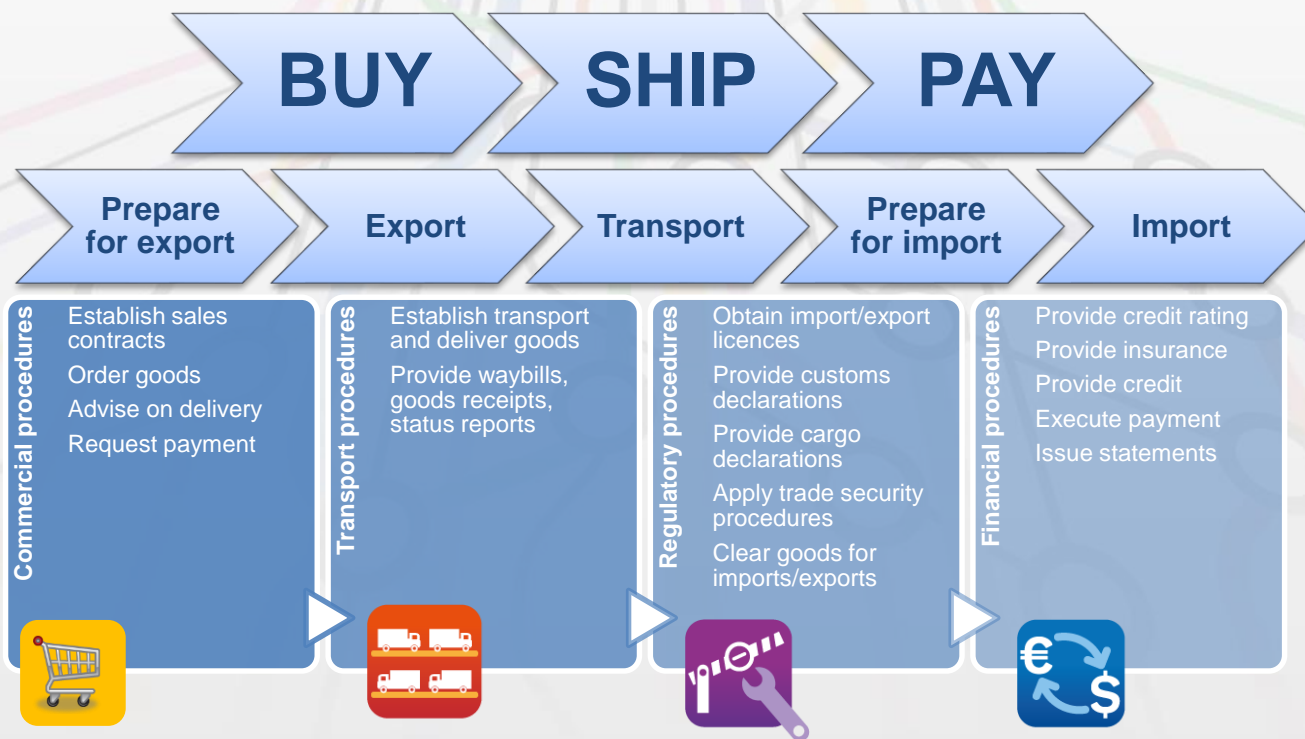


Guidelines, Briefs, Case Studies



Outreach and Support

The supply chain perspective



The UN/CEFACT Buy Ship Pay Model
(Source: UN/CEFACT International Supply Chain Reference Model)

UN/CEFACT outputs

Trade Facilitation Recommendations (some 40 Recommendations)

- Recommendation 1 UN Layout Key for Trade Documents
- Recommendation 4 National Trade Facilitation Bodies
- Recommendation 14 on Authentication of Trade Documents
- Recommendation 18 Trade Facilitation Measures
- Recommendation 25 UN/EDIFACT
- Recommendation 33 - 36 Single Window
- Recommendation 16 UN/LOCODE

Many UN/CEFACT Recommendations and Standards
are also ISO Standards and
are covered in the WTO Trade Facilitation Agreement

Rec:19
Mode of Transport

Rec:16
UN/Locode

ISO Country
Code

Rec: 17
Payment
Terms

The image shows a screenshot of a PDF form titled "EUROPEAN COMMUNITY EXPORT CUSTOMS DECLARATION" within a software application window. The form is divided into several sections and fields, with callout boxes pointing to specific fields. The fields are numbered and labeled as follows:

1 Consignor / Exporter	3 Forms	4 Loading lists	7 Reference number
Consignee	5 Items	6 Total packages	9 Person responsible for financial settlement
14 Declarant / Representative	10 Country first	11 Trading	13 CAP
	destin	count	
15 Country of despatch / export	16 Country of origin	17 Country of final destination	15 C disp./exp. Code
			a b
18 Identity and nationality of means of transport at 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)
		a b	

Rec:9
Currency Code

Commodity
Code

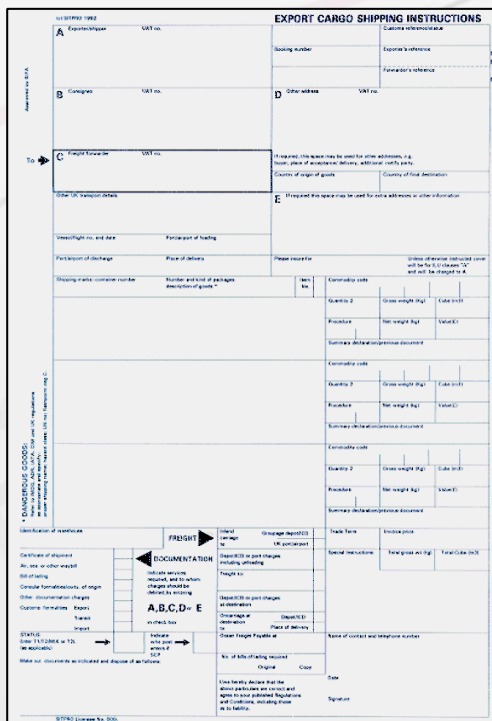
Rec: 28
Means of
Transport

Rec: 21
Package Codes

Rec:20 Units of
Measurement

Electronic Documents

Electronic Document Exchange XML or UN/EDIFACT



EXPORT CARGO SHIPPING INSTRUCTIONS

Consignee name: VMT no. Booking number: Export reference: Customer reference: Forwarder's reference:

Comptex VMT no. D Other address: VMT no.

Freight forwarder: VMT no. Remarks: This space may be used for other addresses, e.g. from point of acceptance/delivery, additional consignees.

Country of origin of goods: Country of final destination:

Place of origin: Place of delivery: Place of receipt: Index of internal instruction code with the "0" character "0" and with "A" through "A".

Quantity	Gross weight (kg)	Cube (m ³)	Product	Net weight (kg)	Volume (m ³)
Quantity	Gross weight (kg)	Cube (m ³)	Product	Net weight (kg)	Volume (m ³)
Quantity	Gross weight (kg)	Cube (m ³)	Product	Net weight (kg)	Volume (m ³)
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Quantity	Gross weight (kg)	Cube (m ³)	Product	Net weight (kg)	Volume (m ³)

Identification of merchandise: **FREIGHT** (selected) / **DOCUMENTATION** (selected)

DEFINITION OF DOCUMENT: An order or other receipt, bill of lading, consignment note, etc. of origin, other documentation, cargo, customs forms, etc. **A, B, C, D, E**

STATUS: **ISSUE** (selected) / **IN TRANSIT** / **DELIVERED**

UN/EDIFACT: **UN/EDIFACT** (selected) / **UN/EDIFACT** / **UN/EDIFACT**

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**Paper Document
aligned to 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_0p70_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:PartyName>
      <cat:Name>Joes Office
    </cat:PartyName>
  </cat:SellerParty>
  <cat:InvoiceLine>
    <cat:ID>1</cat:ID>
    <cat:InvoicedQuantity>
      <n:unitCode>token</n:unitCode>5</cat:InvoicedQuantity>
    <cat:Item>
      <cat:Description>Pencils, box #2
    </cat:Description>
    </cat:Item>
  </cat:InvoiceLine>
</n:Invoice>
```



FIATA Freight Forwarding Instructions (UN/EDIFACT 2010, ID3 version: 0.4, Form version: 0.45)

Consignee: LX Logistics mbH Benzstrasse 19 DE-69115 Heidelberg Germany ID: 323 / 9	Consignee reference number: SD-0199-22
Freight forwarder: B&B and Co 32 Rue de stand FR-92000 Paris France ID: CD-3 / 04794 Tax Ref: 333-1948 contact: Philippe Yves M TEL: +33450012154	Freight forwarder: Strasse Transport Limited 89 Rue de confederation CH-8005 Zurich Switzerland ID: FIATA ER-2404/234
Notify party: Francis Will 25, rue des la cheminix FR-55094S2 Amey France	Country of origin: DE Documentary credit reference: Germany AET-10869 2003-10-20
Goods ready for shipment: Place: DEHEI Heidelberg Date: 2004-10-29	Conditions of sale: Code: Not applicable row
Mode of transport: Rail	Transport insurance: Covered by Consignee Insurance condition: Freight Prepaid Currency and value insured: 20,000 CHF
Place of destination: FRPAR Paris	
Wheels and numbers: 1 ADLMA Trading & Casus NR, 1-6 Order 0- 535/1	Description of goods: Cylinder-Press Completely Assembled Commodity code: 91452224 Gross weight: 325 KG Cube: 350 MTQ

Electronic Edit Form

Single Window Recommendations 33-36

Recommends Governments to establish Single Window for Cross Border Trade

Defines features:

- ... one time submission
- ..of standardized information and documents
- sharing of information amongst government agencies;
- coordinated controls and inspections of the various governmental authorities;
- Allow payment of duties and other charges;
- Be a source of trade related government information.

Some evidence - time



In **Latin America and the Caribbean**
exporting takes about **18 days**,
importing takes about **20 days**
compared to **OECD average** of
less than **11 days** for both¹

Each extra day of delay may
reduce trade volume by at
least **1%** or about **7%** if the
products are **agricultural**
commodities²



¹ WB Doing Business Report (2012)

² Djankov, S., Freund, C., and Pham, C. (2008)

Some evidence - cost



The **costs of paperwork** account for **3.5 – 7%** of the **value of the goods** and even can be as high as **10 – 15%** if there are **typing and other errors**¹

Each 1% reduction of such costs is worth an economic value of **up to USD 43 billion** worldwide²



1 OECD (2002)
2 OECD (2003)

UN/CEFACT: Transport and Logistics projects

- Pipeline project
 - Basic principle is to capture data at its source and construct the transaction's data flow as it progresses
 - This new approach to exchanges ensures the complete reuse of data, reduces redundancy and offers to regulators and trading partners reliable information.

- Multi Modal Transport (MMT) Reference Data Model
 - Will allow a smooth migration from EDIFACT to XML and any other syntax

UN/CEFACT: eDocuments

■ eCMR Project

- Electronic equivalent to the CMR (road transport document); will ultimately allow a paperless flow of goods.
- eCMR protocol adopted by 11 countries, but most of Europe is considering ratification.

■ Animal traceability data exchange

- e-Cert
- eCITES
- Standard for sustainable fisheries management: Fisheries Language for Universal Exchange (FLUX)

Trade Facilitation Implementation Guide

[Home](#) [Domains](#) [Suggested Itineraries](#) [Instruments](#) [Organizations](#) [Contact](#)



Welcome to the
Trade Facilitation Implementation Guide



Domains



Itineraries



Instruments



Organizations



Impact of UN/CEFACT work

- **Recommendation 25 UN EDIFACT:** The Global EDI Standard for trade. The 12 largest European ports alone process more of 1.8 billion messages annually based on UN/EDIFACT.
- **UN/CCL Core Component Library:** The UN/CCL, together with the UNECE Trade Data Element Directory (UN/TDED), forms the basis for the World Customs Organization (WCO) Data Model for the exchange of Customs related information world wide.
- **Recommendation 16 UN/LOCODE:** Use of UN/LOCODE helped reduce the costs of imports for a single company in China by almost USD 200 million per year!
- **Recommendation 33-36 Single Window:** *71 economies around the world, including UNECE and non UNECE Member States, have established “Single Windows” (SW) using this recommendation as a basis (WB DBR). The use of Single Window saves in some of these countries up to 10% of the value of goods (WB study)*
- **Trade Facilitation Implementation Guide (TFIG):** Over half a billion hits per month!

More information on UN/CEFACT

- All UNECE and UN/CEFACT Recommendations, codes, standards and publications are available for free on our website at:
 - www.unece.org/cefact
 - <http://tfig.unece.org>
- E-mail: maria.ceccarelli@unece.org