



**7 Meeting of the CAREC Customs Cooperation Committee
Issy-Kul, 8-9 Sept. 2008**

The Single Window and Data Harmonization in Line with the International Standards

**Mario APOSTOLOV,
Regional Adviser, UNECE
mario.apostolov@unece.org**



Trade Facilitation & the Single Window

PROBLEM – In order to carry out a foreign trade operation various control agencies require about 40 documents with often repeated data

=> SOLUTION:

- Simplify or cut procedures or documents
- Align them with international standards
- Automate documents and processes

RESULT: goods and trade information move faster across borders



The “Single Window” helps solve this problem!



Why Single Window

Key TF issue in WTO +
EC building EU-wide SW

- Definition: a system that allows all participants in trade and transport file requested information in only one place, in a standard format, in order to carry out import, export and transit operations.

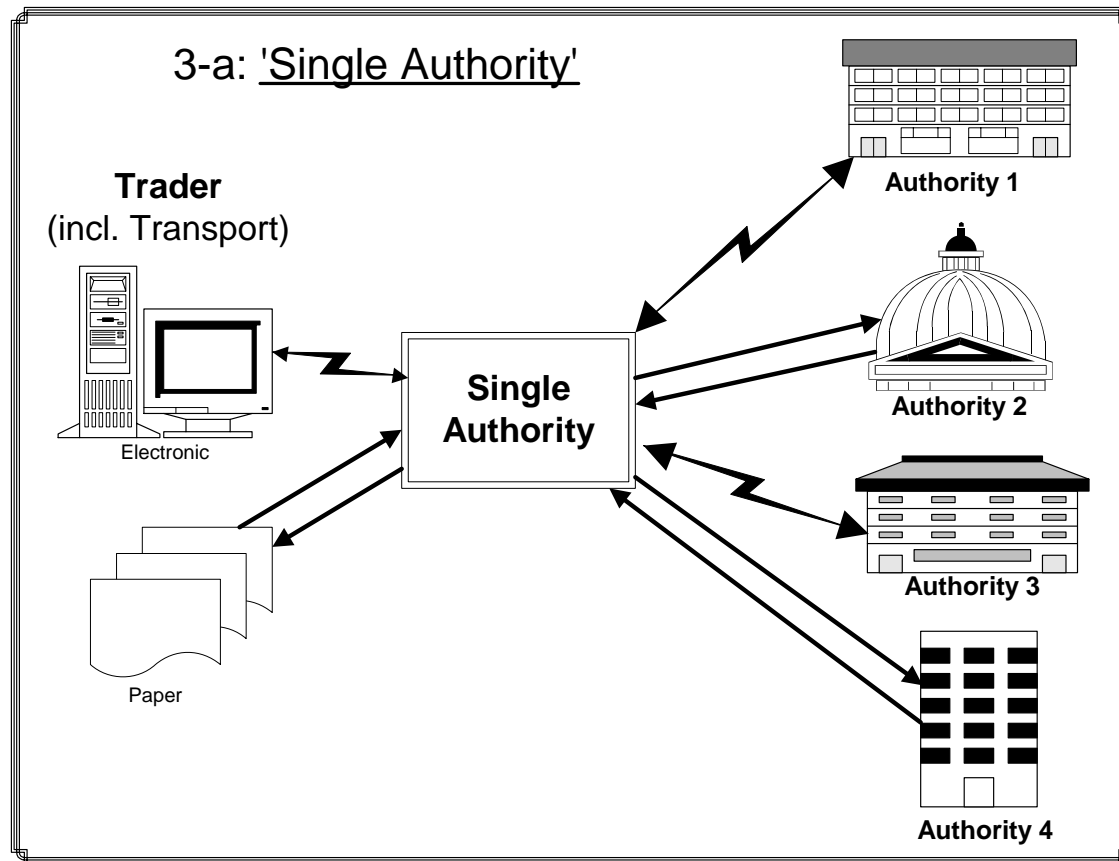
Benefits:

- For the authorities
- More efficient distribution of resources
- Better gathering of fees and duties
- More compliance from business
- More security (on the basis of better risk analysis)
- Less corruption, more transparency
- For private business
- Cut costs by cutting the time to prepare documents
- Faster clearance of goods
- Predictable and more efficient explanation and implementation of rules
- More transparency



General model of the Single Window

Traders and control agencies may be located in different places, but information flows among them are connected.

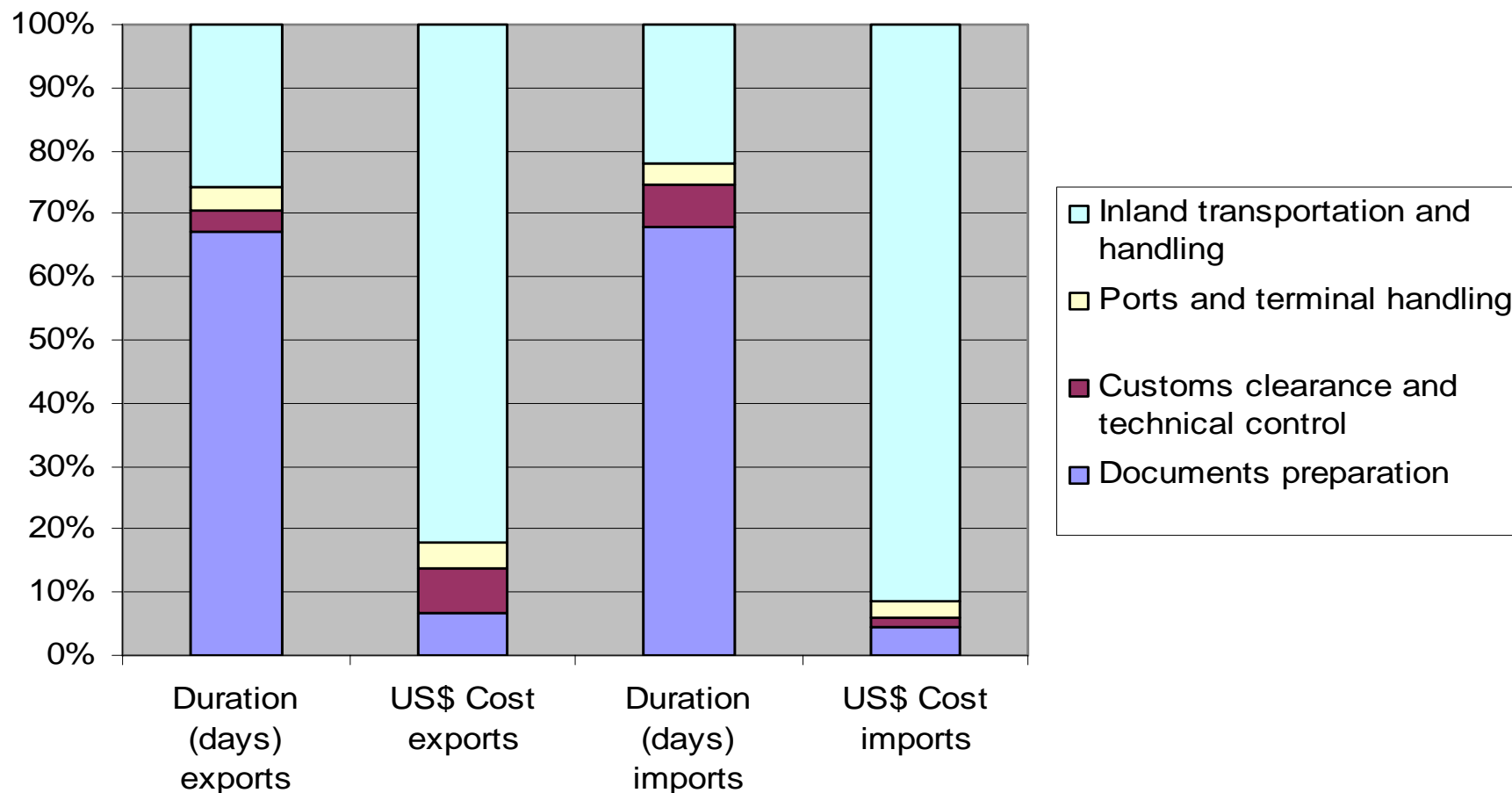




Length of export and import operations in Mongolia

export

import





Problems to solve

1. Lack of cooperation between government agencies and business
2. Competing institutional and individual interests
3. Lack of transparency and predictability
4. Complex Customs procedures (about 60% of the work on TF); excessive documentary requirements
5. Insufficient use of ICT
6. High cost of implementing a Single Window solution
7. Insufficient use of international standards



What is needed?

1. Political will
2. Cooperation among agencies
3. Clear vision from the beginning
4. Leading organization
5. Technical assistance / financing
6. Public-private partnership



Two directions of work in building a Single Window

Policy work

- Building political will
- Interagency management group
- Draft concept paper and a feasibility study
- Appoint a lead organization (e.g. Customs)
- Harmonize policy

(~90% of the work - negotiations)

Technical work

- Interagency technical group
- Data harmonization
- Developing a SW system
- Alignment with international standards

(~10% technical work)



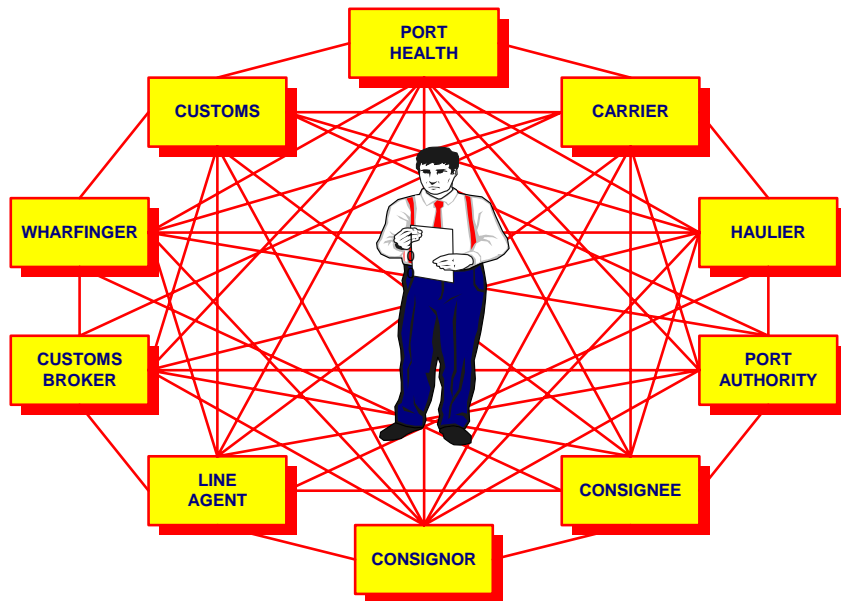
Package of UNECE and UN/CEFACT recommendations

- Recommendation 33: principles for building a Single Window
- Draft Recommendation 34 on data harmonization
- Draft Recommendation 35 on the legal aspects of the Single Window
- UNECE 40+ years of work on setting standards for trade facilitation
- UNECE, World Bank, GTZ, ADB, BOMCA, USAID will help, but the basic work, i.e. building consensus among agencies remains for the countries.
- WTO – negotiations on a new agreement on Trade Facilitation, including SW?



Rec. 33: The Single Window Concept

FROM

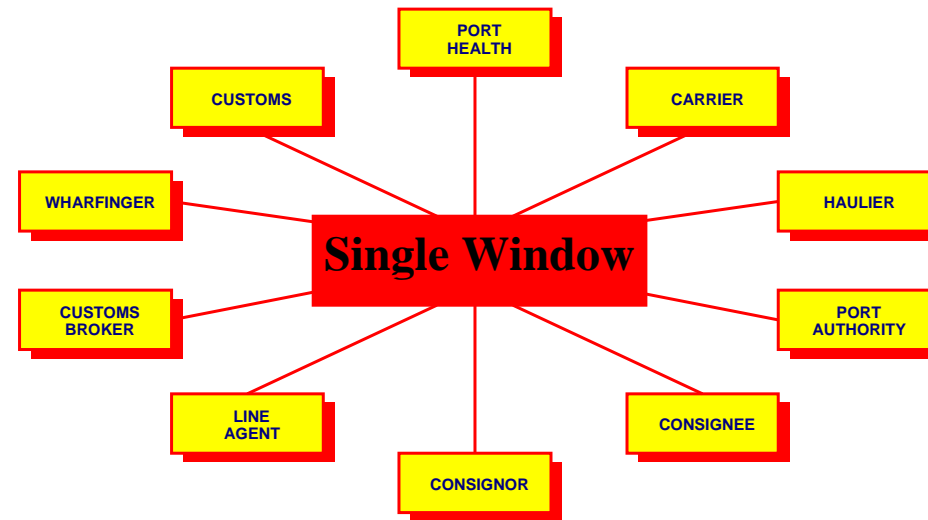


Mountains of paper

30% mistakes

Weeks for clearance

TO



**Customs, export, import, etc.
processes together**

Many documents filed together

Appr. 1 hour for clearance



PRACTICAL STEPS FOR IMPLEMENTING A SINGLE WINDOW

UNECE Recommendation 33

- 1. Business can make a well argued request**
- 2. Create interagency groups:**
 - 1. of decision-makers**
 - 2. of technical specialists**
- 3. Develop a Single Window**
- 4. Analysis of purpose**
- 5. Feasibility study**
- 6. Selection of a lead agency**
- 7. Draft a Work Plan**
- 8. Creating the technical system: data harmonizat°,
information exchange system**

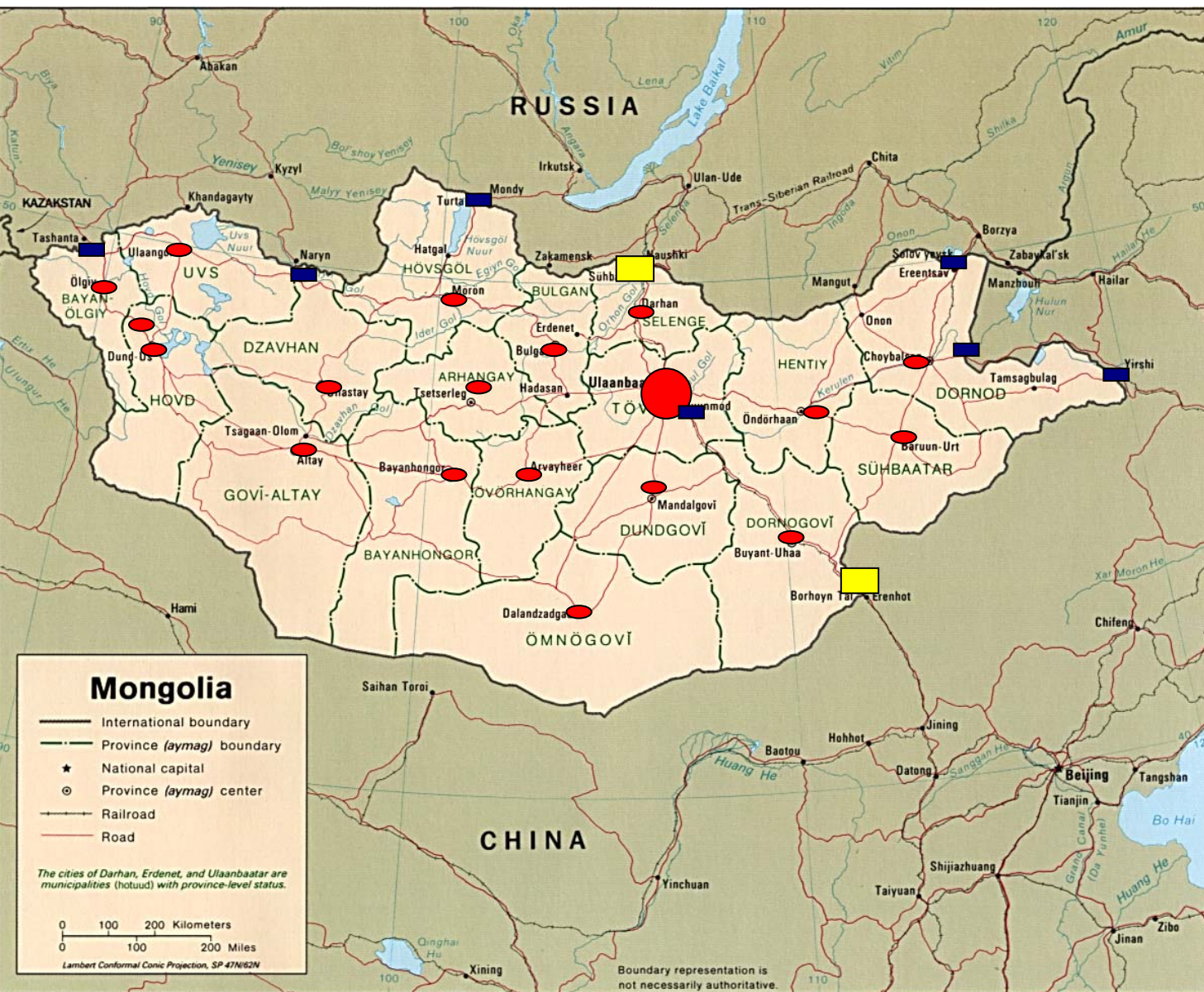


Lessons from world practice

- Single Window systems can be built in very different countries!
- High-level political support (e.g. PM) and a **strong lead organization** needed.
- Have a clear vision from the very beginning – why is the SW needed? How should it be built (what model, what scope)?
- Establish effective control over various organizations!
- Everyone / every agency should work in the same direction!
- Step-by-step
- 90 % negotiations, 10 % technical work
- Involve the business community in the exercise in the process of planning, decision-making and execution
- Ready to face new tasks on every stage
- Where to start: a) build political will (done in MN); b) Data Harmonization (start the technical work with this)



What should be done? (from the feasibility study)



1.

В каждом пункте,
обслуживаемом
“единым окном”

2.

Взаимодействие
всех агентств в
каждом пункте



What should be done? (analyzed in the feasibility study)

2.

What processes
are covered (in
each place)?

freight forwarding

import

export

Customs clearance

certification

Transportation (internal , external)

Road / railway transport

Dangerous goods

Statistics

Payment



What should be done?

(analyzed in the feasibility study)

3.

What documents
should be
covered?

Manifests (with amendments)
Certificates (phytosanitary, sanitary)
etc, etc.



Why harmonize data? (draft Recommendation 34)

In order to:

- Create the environment for a Single Window systems
- Link different countries' Single Window systems
- Create electronic trade documents (in XML format) with shared data elements

Using:

- International standards (a) UNTDED
<http://www.unece.org/trade/untdded/untdded2005.pdf>
(b) WCO Data Model and (c) Core Components (UNeDocs data model), best practice (of USA, EU, East Asia)



UNECE Initiatives on data harmonization

Southeast Europe (AL, BA, BG, HR, GR, MK, MD, ME, RO, RS, TR, UNMIK/Kosovo):

- Created the basis for Single Window projects in MK, RS
- Started practical harmonization work in 2 documents: data analysis in the SAD, Phytosanitary Certificate and the CMR Consignment Note

With EurAsEC (BY, KZ, KG, RU, TJ, UZ):

- Seminars: Moscow 2006 & Almaty 2007 on data harmonization, the Single Window and SAD
- Planned seminar in St Petersburg on legal issues and practical exercise as in Belgrade.



Standards applied:

- UN Layout Key for trade documents (ISO 3535)
- UN Trade Data Elements Directory (UNTDDED) (ISO7372, endorsed by WCO)
- UN codes for locations (LOCODE), types of transport, units of measurement, etc.
- WCO Data Model
- UNEDIFACT (the only global EDI standard)
- Core Components



UNECE

United Nations Economic Commission for Europe

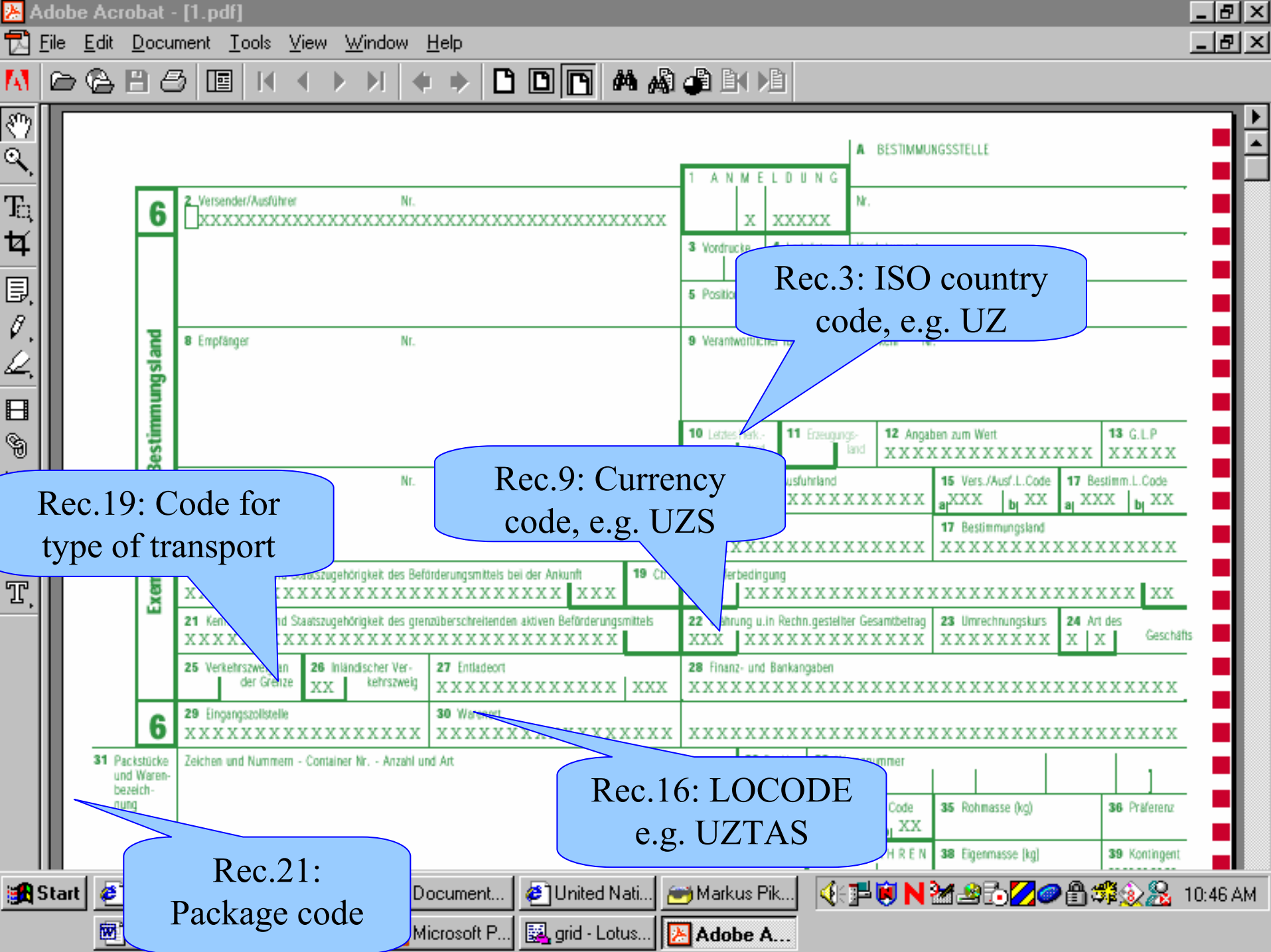
UNECE

Recommendation 1: UN Layout Key for trade documents

http://www.unece.org/cefact/recommendations/rec01/rec01_01cf15.pdf



LAYOUT KEY FOR TRADE DOCUMENTS				
Consignor (Exporter)		Date, Reference No, etc.		
Consignee		Byer (if other than consignee) or other address		
Notify or delivery address		Country whence consigned		
		Country of origin		Country of destination
Transport details		Terms of delivery and payment		
Shipping marks ; Container No.		Number and kind of packages ; Goods description		Commodity No.
				Gross weight
				Net quantity
Free disposal				



Rec.19: Code for
type of transport

Rec.9: Currency
code, e.g. UZS

Rec.3: ISO country
code, e.g. UZ

Rec.16: LOCODE
e.g. UZTAS

Rec.21:
Package code



FIATA FORWARDING INSTRUCTIONS FFI

3336 Consignor 1		<div>Emblem of National Association</div> <div>(approved by FIATA) 1492 Consignor's reference No. 2</div>			
3132 Consignee 3		3170 Freight Forwarder 4			
3180 Notify party 5		3238 Country of origin 6	Documentary credit 7		
Good Place _____ Date _____ 8		4490 Conditions of transport 9			
8066 Mode of transport <div><input type="checkbox"/> Air <input type="checkbox"/> Road <input type="checkbox"/> Rail <input type="checkbox"/> Sea</div> 10		Transport insurance <div><input type="checkbox"/> Covered by us <input type="checkbox"/> Covered by consignee <input type="checkbox"/> To be covered by you</div> 11			
3258 Place of destination 12		6345 Currency and 5011 value insured 13			
7102 Marks & numbers 14	7224 Number & 7064 type of pkgs. 15	7002 Description of goods 16	7357 Commodity code 17	6292 Gross weight 18	6322 Cube 19

Rec.19: Type of transport

Rec.3: ISO country code, e.g. UZ

Rec.9: Currency code, e.g. UZS

Rec.21: Package code

Rec.16: UN/Locode e.g. UZTAS

Rec. 20: Units of measurement



Using UNECE and UNCEFACT codes

- ISO country codes (UNECE Recommendation 3) – 2-alpha codes:

➤ Mongolia	MN
➤ China	CN
➤ Russia	RU
➤ United Kingdom	GB
➤ Tuvalu	TV
➤ Serbia	YU -> CS -> RS
➤ Montenegro	YU -> CS -> ME

IANA/ICANN uses these codes as country codes in Internet (Top Level Domain country codes, TLDcc)
e.g. [.mn](http://mn) for Mongolia



UN/LOCODE - Code for Trade and Transport Locations

- UN/LOCODE (UNECE Recommendation N°16) – 5-alpha code:
ISO 2-alpha CC + ; 3-alpha location code:

● Tirana	AL TIA (10 LOCODE entries for AL)
● Sarajevo	BA SJJ (47 entries for Bosnia and Herzegovina)
● Belgrade	RS BEG (country code: YU -> CS -> RS)
● Podgorica	ME TGD
● Istanbul	TR IST (519 LOCODE entries for TR)
● Astana	KZ AST (earlier KZTSE - Tselinograd)
● Shanghai	CN SHA
● London	GB LON (3529 LOCODE entries in UK)

GBLHR – Heathrow airport; TV – Tuvalu.

Used by ISO, ICANN, IATA

>48,500 trade & transport related locations in ~240 countries/territories



Currency codes 4217

- Currency codes ISO (UNECE Recommendation 9): 3-alpha code ISO3166-1 = 2-alpha country code + 1-alpha mnemonic currency indicator
- | | | |
|---------------|-----|--------------|
| ● Uzbekistan | UZS | Uzbek Sum |
| ● Mongolia | MNT | Tugrik |
| ● Russia | RUB | Rouble |
| ● Kazakhstan | KZT | Kazakh Tenge |
| ● Switzerland | CHF | Swiss Frank |
| ● France | EUR | Euro |
- There is a three digit currency code as well, e.g.: EUR = 978; UZS = 860 (Uzbek Sum)




Web page of ISO 3166 codes

iso-3166-code-lists - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Copy Paste


Address <http://www.iso.org/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html> Go Links »

 International Organization for Standardization

Home Site map Abbreviations ISO Store
Français FAQ Contact ISO My account

Search All ? Extended Search

About ISO Products and services ISO 9000 / 14000 Standards development Communities and markets Communication centre

For more information on ISO Management Systems 

Products and services

ISO Store
International Standards
Information publications and products
Widely used standards
Customer services
Maintenance Agency for ISO 3166 country codes
What's new?
ISO 3166 Code lists
Updates on ISO 3166
Background on ISO 3166
ISO 3166 Databases
Links
Contact
FAQs

ISO 3166 Code lists

ISO 3166 code lists

The short country names from ISO 3166-1 and the alpha-2 codes are made available by ISO at no charge for internal use and non-commercial purposes. The use of ISO 3166-1 in commercial products may be subject to a licence fee.

The lists below are extracted from ISO 3166-1. They contain all short country names and alpha-2 code elements officially published by ISO and they are **updated whenever a change of country name and/or alpha-2 code element is made in ISO 3166-1.**

Please select the language and document format in which you would like to have code lists. Open by clicking on the corresponding link.

- English country names and code elements:
[HTML, 60 KB](#) [TXT, semicolon delimited, 5 KB](#) [XML, zipped file, 3 KB](#)

Done Local intranet

Start Tauno Kan... iso-3166... Adobe Acr... MSN Hotm... UNeDocs Microsoft ... 14:19

**UNECE**

United Nations Economic Commission for Europe

SEARCH

SITE MAP

HOME

PROGRAMMES

MEETINGS

INFORMATION RESOURCES

ABOUT UNECE

CONTACT UNECE

UN/CEFACT

About us

Organization

Recommendations

Standards

Technical Specifications

Codes for Trade

Meetings and Events

Publications

United Nations Centre for Trade Facilitation and Electronic Business**List of Trade Facilitation Recommendations**

Rec. 20, Rec. 21 and Rec. 23 with Code Lists were approved by the ICG at the 8th UN/CEFACT Forum in Vancouver, Canada. The revisions are essentially limited updates to the code lists with the exception of Recommendation 20 that also includes a number of corrections to the conversion factors.

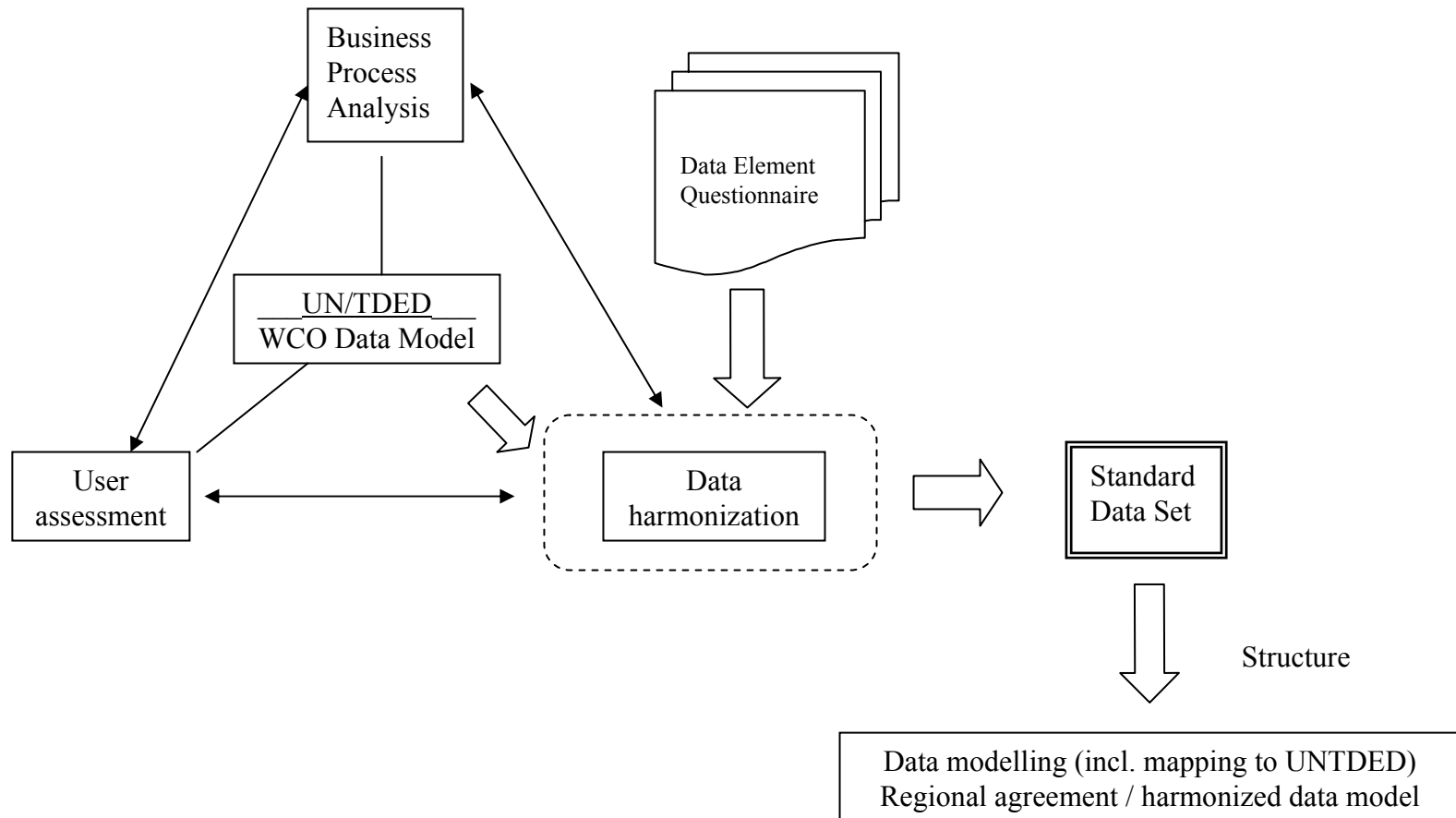
Symbol	Issued date	Title	English	Français	Русский
Recommendation N°. 1 - United Nations Layout Key for Trade Documents			Download as package [pdf]		
ECE/TRADE/270	2002	UN Layout Key for Trade Documents - Guidelines for Applications	pdf		
TRADE/CEFACT/2001/15	2001	Addendum to Recommendation N°. 1	pdf	pdf	pdf
ECE/TRADE/137	1981	Recommendation N°. 1	pdf	pdf	pdf

Recommendation N°. 2 - Locations of Codes in Trade Documents

Download as package [pdf]



Data harmonization & modelling (US best practice / UNECE draft Rec.34)





Results of the analysis in the US

- >100 agencies use international trade data
- 300 forms for international trade
- The Single Window project cut requirements from 10,000 fields with data elements to 300.
- Tasks now:
 - Continue cutting required fields
 - Make 23 federal agencies on trade collaborate
 - Continue harmonization among agencies
- Assure alignment with UNTDED and WCO Data Model



Steps to take

First harmonize nationally (agencies in a country) then regionally.

- Create interagency team (WG) on data harmonization (ACE/ITDS Data Harmonization team in the USA) to work on a Standard Data Set (SDS) – superset of all required data and their definitions.
- Carry out a survey of data requirements; create a **list of all requirements**.
- Analyze the data requirements (find out matching definitions, map data definitions to the UNTD; align close ones; eliminate unnecessary ones).
- Create a common data set.
- On this basis, create a data model (ICT).



Table for data analysis (e.g. in the SAD)

COUNTRY ELEMENT NO [EU SAD BOX NO]	DOCUMENT	ELEMENT NUMBER OF WCO EQUIVALENT	UNTDDED MAPPING FROM WCO DM	UNTDDED MAPPING FROM EU-COM	SUGGESTED UNTDDED 2005 MAPPING	CC REFERENCE	DATA ELEMENT NAME REFERENCE	DATA ELEMENT DESCRIPTION	COMMENTS
								The following definitions were taken from the EU Commission Regulation 2286/2003	
1	SAD	001	1001	1001	1001	UN00000311	Declaration		This is identical to the EU SAD, down to the code list.
2	SAD	071, 239–245 (address)	3036	3336	3336	UN00000379	Consignor/Exporter	Full name and address of the consignor/exporter	
2a	SAD	072	3039	3337	3337	UN00000377	Consignor/Exporter No.	The identification number assigned by the competent authorities.	
3	SAD	**	N/A	1046	N/A	**	Forms	The number of the subset in relation to the total number of subsets of forms and continuation forms used. E.g. if there is one EX form and two EX/c forms, 1/3 will be entered on the EX form, 2/3 on the first EX/c form, and 3/3 on the second EX/c form.	Not required in electronic environment, hence not available in WCO DM.
4	SAD	013	6061	1166	1166	**	Loading lists	The number of any loading lists attached, or of commercial descriptive lists where these are authorised by the competent authority	This data element makes no sense in an electronic environment.
5	SAD	228	6061	7240	7240	**	Items	The total number of items declared by the person concerned in all the forms and continuation forms (or loading lists or commercial lists) used. The number of items must correspond to the number of boxes 31 to be completed.	
6	SAD	146	6061	7370	7370	**	Total packages	The total number of packages making up the consignment in question.	
7	SAD	009 or 016	1097 or 1202	1004	1097 or 1202	**	Reference number	The commercial reference number assigned by the person concerned to the consignment in question. It may take the form of a Unique Consignment Reference.	



Standardization and modelling tools

1. UN Trade Data Elements Directory (UNTDDED)
ISO7372, endorsed by WCO
2. WCO Data Model
3. Core Components

Standardization Tools: CCL

TDED and Core
Component Libraries

-
- Data and data structures
 - Document layouts → UN Layout Key
 - Methodology to standardize
-

ISO 15000-5 Core
Component Technical
Specification (CCTS 2.01)



UN Trade Data Elements Directory

UNTDDED

B2		Document. Type Name.Text		
A	B	C	D	E
UID	ISO7372 TDED Name	Definition	TDDED repr.	Locations, Bridges
1				
2	1000 Document. Type Name.Text	Free text name of a document such as 352 for Proforma invoice, 380 for Commercial invoice.	an..35	UNLK: L 02, P 45-80 MAR: IMO/FAL 1-7
3	1001 Document. Type.Code	Code specifying the name of a document such as 352 for Proforma invoice, 380 for Commercial invoice.	an..3	UNLK: L 04, P 41-45 CIMP: (120): a1 SAD: (SAD 1(first to third subdivision))
4	1099 Transport Means. Stay.Identifier	Identifier of the stay of a means of transport in a port or airport	an..35	
5	4219 Transport Service. Priority.Code	Code specifying the priority of a transport service.	an..3	CIMP: (704):a1
6	5068 Invoice. Line Item. Amount	Total sum charged with respect to a single line item of an invoice.	n..18	UNLK: L 56, P 63-80
7	5070 Consignment. For Customs Total.Amount	Total amount for customs purposes of all goods in a consignment, whether or not they are subject to the same customs procedure, and have the same tariff/statistical heading, country information and duty regime	n..18	AWB: L 24, P 71-81 CIMP: (509):n..12, or the letters 'NCV'
8	6094 Consolidation. Package.Quantity	Count of the total number of packages in all of the consignments referred to as one consolidation.	n..16	
9	6292 Goods Item. Gross Weight.Measure	Weight (mass) of goods including packaging but excluding the carrier's equipment.	n..14	AWB: L 33-44, P 13-19 CIM: L 28-33, P 63-74 (CIM 26) CIMP: (600):n..7 CMR: L 28-42, P 63-71 (CMR 11) SAD: (SAD 35) UNLK: L 28-52, P 63-74
10				

UNLK & TDED Mapping Example

1st printed 1992 A Exporter/shipper VAT no.		C Freight forwarder VAT no.		E Other address VAT no.	
Booking number Exporter's reference Forwarder's reference		If required, this space may be used for other addresses, e.g. home, place of incorporation, delivery, additional party, etc.			
B Consignee VAT no.		Countries of origin of goods Country of final destination			
Other UK transport details		If required, this space may be used for extra addressees or other information			
Vessel/flight no. and date Port of origin of loading		Port of destination			
Participation of discharge Place of delivery		Please insert for: Unless otherwise indicated, code will be for 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, and will be changed to 4.			
Shipping marks, container number Number and description of packages		Item no. Commodity code			
Description of goods		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Procedure Net weight (kg) Value(£)			
Summary declaration/previous document		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Procedure Net weight (kg) Value(£)			
Summary declaration/previous document		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Procedure Net weight (kg) Value(£)			
Summary declaration/previous document		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Procedure Net weight (kg) Value(£)			
Summary declaration/previous document		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Procedure Net weight (kg) Value(£)			
Summary declaration/previous document		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Procedure Net weight (kg) Value(£)			
Summary declaration/previous document		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Procedure Net weight (kg) Value(£)			
Summary declaration/previous document		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Procedure Net weight (kg) Value(£)			
Summary declaration/previous document		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Procedure Net weight (kg) Value(£)			
Summary declaration/previous document		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Procedure Net weight (kg) Value(£)			
Summary declaration/previous document		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Procedure Net weight (kg) Value(£)			
Summary declaration/previous document		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Procedure Net weight (kg) Value(£)			
Summary declaration/previous document		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Procedure Net weight (kg) Value(£)			
Summary declaration/previous document		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Procedure Net weight (kg) Value(£)			
Summary declaration/previous document		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Procedure Net weight (kg) Value(£)			
Summary declaration/previous document		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			
Procedure Net weight (kg) Value(£)		Procedure Net weight (kg) Value(£)			
Summary declaration/previous document		Summary declaration/previous document			
Commodity code		Commodity code			
Quantity 2 Gross weight (kg) Cube (m³)		Quantity 2 Gross weight (kg) Cube (m³)			

UID	2280
Name	Transport Means. Actual Departure. Date Time
Definition	Date and or time of the departure of means of transport
Synonym	Flight Date, Sailing Date
Repr.	an..17
Mapping	UNLK: L 17, P 16



TDED – a semi structured dictionary

GEFEG.FX 6.1 - Professional+ - [Data model editor - TDED 26 JUN2005; 01...

File Edit View Reports Extras Window Help

Show all objects

Main/ACC/Buyer. Details/Buyer. Bank Identification. Text

- Back Order. Details
- Basis. Details
- Business. Details
- Buyer. Details
 - Buyer. Party Identification. Text
 - Buyer. Party. Identifier
 - Buyer. Contact Name. Text
 - Buyer. Bank Identification. Text
 - Buyer. Bank. Identifier
- Calculation. Details
- Carrier Agent. Details
- Carrier. Details
- Cavity. Details
- Certainty. Details
- Certificate Of Origin Document. Details

BCC CCTS Notes Enhanced Children

TC154

UID	3420
Oper	cndr
Row Number	
mfd Notes	
Links to UNCL	
TDED repr.	an..512
June 7372MA meeting update	
TBG15 Notes April 2004	NA
Notes for September MA meeting	
Locations, Bridges	
Dictionary Entry Name	Buyer. Bank Identification.Text

3 View



Combined Approach

Electronic Document Exchange XML or UN/EDIFACT

EXPORT CARGO SHIPPING INSTRUCTIONS

A Export/Import

B Commodity

C Export/Import

D Other address

E Freight forwarder

F Freight forwarder

DOCUMENTATION

Bill of lading
Invoice
Packing list
Certificate of origin
Insurance certificate
Permit to export
Permit to import
Other documents

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_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:InvoiceQuantity
      unitCode="token">5</cat:InvoiceQuantity>
    <cat:Item>
      <cat:Description>Pencils, box #2
    </cat:Description>
    <cat:Item>
      <cat:InvoiceLine>
    </cat:InvoiceLine>
  </n:Invoice>
```

FIATA Freight Forwarding Instructions

Consignee

UK Logistics mbH
Bismarckstrasse 19
DE-D-65115 Heidelberg
Germany
ID: 323 / 8

Freight forwarder

Strasse Transport Limited
89, Boulevard de la Confédération
CH-8005 Zurich
Switzerland
ID: FIATA ER-2464/234

Goods ready for shipment

Place: DEHEI Heidelberg
Date: 2004-10-28

Mode of transport

Rail

Conditions of sale

Code
Not applicable now

Transport Insurance

Covered by Consignee
Freight Prepaid
Currency and value insured
20,000
CHF

Place of destination

FBPAR Paris

Stocks and numbers

1 ADILMA Trading 6 Cases
Description of goods: Cylinder-Press Completely Assembled
Commodity code: 31452224
Gross weight: 325 KG
Cube: 350 MTQ

Electronic Edit Form



The UNeDocs Workbase

File Edit View Reports Extras Window Help

Show used objects only

Data model editor - DF Customs Goods Declaration; Workbase 2.0 ODP6; 06JUN07

Main/BIMs/UNeDocs Ship BIM. Details/UNeDocs Ship BIM. Consignment. Cross-Border_ Consignment/Cross-Border_ Consignment.

BBIE CCTS Notes Enhanced Children

TC154	
UID	4140
TDED repr.	an1
Locations, Bridges	SAD: (SAD 19)
Dictionary Entry Name	Goods Item. Containerized.Indicator
Definition	An indication whether or not goods are transported in a container.
SuppCC	Consignment. Containerized. Indicator
Context	
BusinessProcess	Cross-Border
Product	In All Contexts
Industry	In All Contexts
RegionGeopolitical	In All Contexts
OfficialConstraints	In All Contexts
Role	In All Contexts
SupportingRole	In All Contexts
SystemConstraints	None
Customs Declaration	
WCO	096
SAD EU	Box 19
SAD ASEAN	

Data model editor - DF Customs Goods Declaration; Workbase 2.0 ODP6; 06JUN07

Main/BIMs/UNeDocs Ship BIM. Details/UNeDocs Ship BIM. Consignment. Cross-Border_ Consignment/Cross-Border_ Consignment.

BBIE CCTS Notes Enhanced Children

CCTS type	BBIE
DictionaryEntryName	Cross-Border_ Consignment. Containerized
ObjectClassTerm	Consignment
ObjectClassTermQualifier(s)	Cross-Border
PropertyTerm	Containerized
PropertyTermQualifier	
RepresentationTerm	Indicator
BusinessTerm	
Definition	The indication of whether or not this cross-border consignment of goods is to be transported in a container or containers (Asean SAD Box 33a).

replace object name with DictionaryEntryName



A simple business requires...

Exportation of Frozen Shrimps (Thailand) 15 Parties involved

30 documents & 788 data elements needed to be filled in
(~6 e-docs, and most data elements are filled 30 times!)

- | | |
|--|---|
| 1. Proforma Invoice | 16. Export Declaration |
| 2. Purchase Order | 17. Goods Transition Control List |
| 3. Request for Sampling | 18. Request for Port Entry (TKT 308.2) |
| 4. Test Report | 19. Equipment Interchange Receipt |
| 5. Shipping Particulars | 20. Container Loading List |
| 6. Booking Confirmation | 21. Manifest |
| 7. Inland Haulage Booking Form | 22. Outward Container List |
| 8. Inland Haulage Booking Confirmation | 23. Bill of Lading |
| 9. Commercial Invoice | 24. Request for Health Certificate |
| 10. Packing List | 25. Health Certificate |
| 11. Application Form for Import, Export,
Pass Animals/Animal Remains
Through Thailand (R. 1/1) | 26. Request for C/O |
| 12. Export License(R. 9) | 27. Certificate of Origin |
| 13. Insurance Request Form | 28. Halal Certificate 2 |
| 14. Cover Note | 29. Application for Irrecoverable
Documentary Letter of Credit |
| 15. Insurance Policy | 30. Letter of Credit |



A simple business requires...

Exportation of Frozen Shrimps (Thailand)

**A complete set of documents
is needed:**

**Trade – Transport –
Customs – Insurance –
Certificates - Finance**

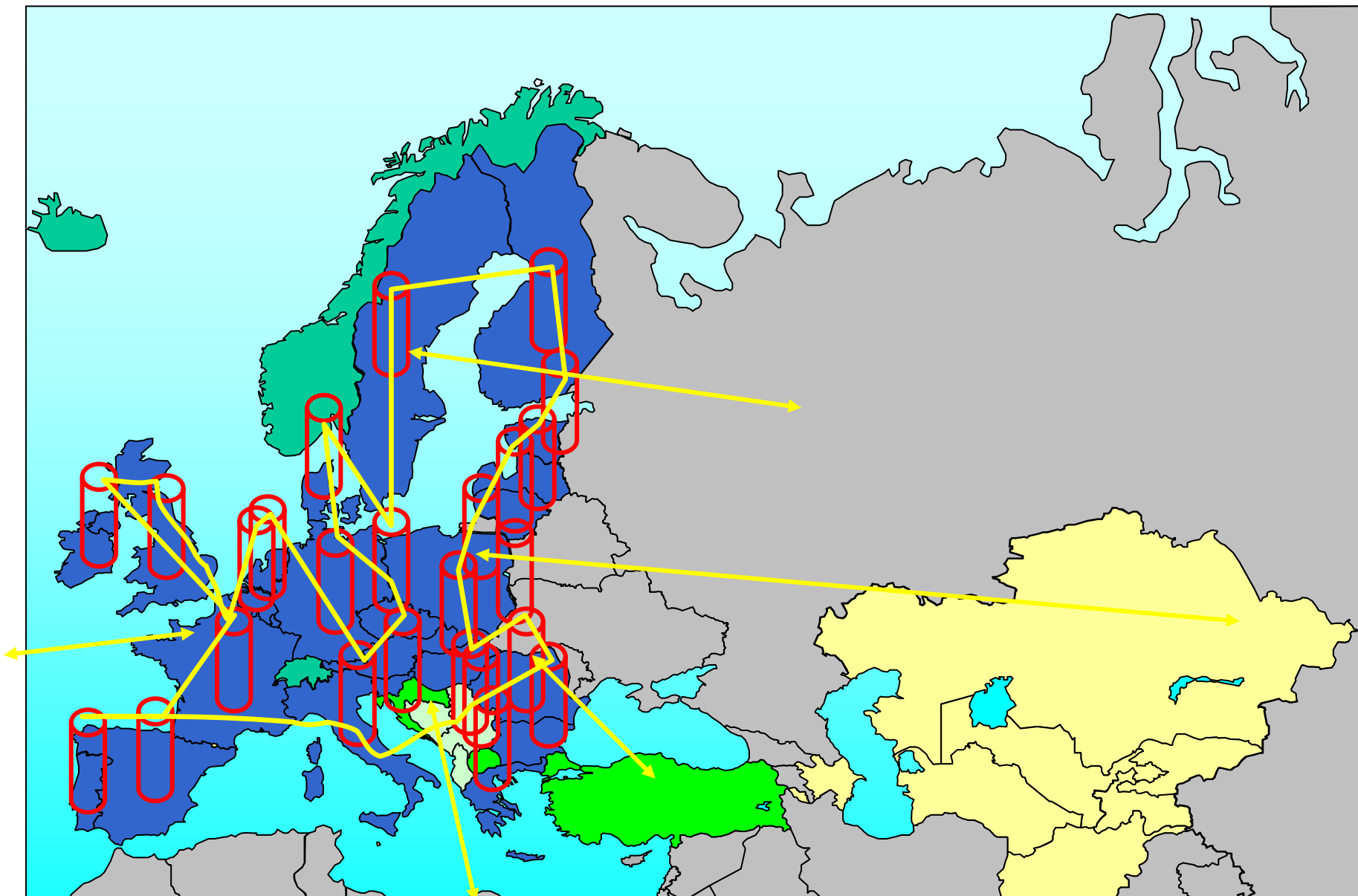


Single Window in the EU

- ❑ What: To enable economic operators to *lodge electronically and once only* all the information required by customs and non-customs legislation for EU cross-border movements of goods.
- ❑ How:
 - ❑ By fostering the development of national single windows systems in all Member States
 - ❑ By ensuring that national single window systems and EU centrally-managed systems operate smoothly together.
- ❑ Details of Single Window design currently discussed within EU.
- ❑ Programme coordinated by DG TAXUD.



Network of Single Window systems linked through international standards





The Single Administrative Document (SAD) and the Single Window

- The SAD substituted for about 200 various forms required by Customs and statistical services in the 18 EC countries that initially started using it.
- By decreasing the number and standardizing the required data, the SAD simplifies the work of traders and customs officers
- The SAD is more and more replaced by EDI
- Currently, the SAD is seen as part of the work for establishing a Single Window in the European Union
- The SAD is adopted by EurAsEC since 1 January 2007



SAD Context and objectives

The SAD

*Rationalizes and reduces
administrative
documentation*

- *Ensures openness in
national administrative
requirements*
- *Reduces amount of data*
- *Standardizes and
harmonizes data*

Rec.3: Country code
ISO, e.g. UZ

Rec.19:
Type of transport

Rec.9: Currency
code, e.g. UZS

Rec.16: Location
code UN/LOCODE
e.g. UZTAS

Rec.21:
Package code



SAD standardizes and harmonizes data

- *As far as possible use international standards*
 - ✓ *Country codes (iso alpha 2 codes – ISO 3166-derived)
(Boxes 15, 17, 21, 34 ...)*
 - ✓ *Currency codes (box 22 – ISO 4217)*
 - ✓ *Modes of transport (boxes 25 and 26 – UN-ECE rec. 28)*
 - ✓ *Customs offices (box 29, 51 – UN LOCODE - partially)*
 - ✓ *Package codes (box 31 UN-ECE rec. 21)*
 - ✓ *Commodity code (box 33 – HS code)*
 - ✓ *Documents identification (boxes 1, 40, 44, partially 1001
Edifact codes)*
 - ✓ ...



SAD standardizes and harmonizes data

➤ *Use of common codes for as many data elements as possible*

- ✓ *Trader identification numbers (boxes 2, 8 ...)*
- ✓ *Delivery terms (box 20)*
- ✓ *Nature of transaction (box 24)*
- ✓ *Preference codes (box 36)*
- ✓ *Procedure codes (box 37 – partially)*
- ✓ *Valuation method code (box 43)*
- ✓ *Special mentions (box 44 – partially coded)*
- ✓ *Tax types (box 47)*
- ✓ *Mode of payment (box 47)*









Thanks!

Mario Apostolov
UNECE Regional Adviser

tel.: +41 22 9171134, fax: +41 22 9170037

e-mail: mario.apostolov@unece.org