

United Nations Electronic Trade
Documents

**Standards For Trade Documents:
The Migration from Paper to
Paperless Trade**

UNECE
Beirut, June 2006



United Nations Electronic Trade Documents

- Paperless Trade: UNeDocs Digital Paper
- Data Models for Cross Border Data Exchange
- Tools for Paperless Trade Implementation



Paperless Trade...

Why?

- ❑ Goods are moving faster than information
- ❑ SC are more complex
- ❑ Competition/Costs
- ❑ Technology is there
- ❑ Transparency, simplification of procedures
- ❑ Digital data is basis for automation
- ❑ SC Security is based on analysis of information



Paperless Trade? Ever?

Document exchange in international trade

Yesterday: Exchange of paper documents

Today: Exchange of paper AND electronic documents

Tomorrow: Exchange of paper AND electronic documents

- Someone will ALWAYS insists on a paper document
- “less paper” instead “paperless”



Requirements to Trade Documents

Documents: Paper *and* Electronic

•Instant accessible	+	+	+	+	+			
•Global acceptance	+	+	+		+			
•Archive	+	+	+		+	+	+	
•Reproduction	+	+			+	+	+	
•Transmission	+				+	+	+	+
•Standardization	+				+	+	+	+
•ICT Integration	0				+	+	+	+



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UNeDocs

The "digital Paper" challenge...

Moving from today's paper documents

Information exchange in global trade is based on paper documents

Trade processes and practice are based on paper documents

To electronic documents:

Need the equivalent of a paper document in electronic format

United Nations Electronic Trade Documents

Complement the paper standards with electronic standard components

Digital Paper for Trade

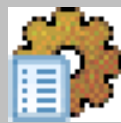
Documents with fallback option to paper



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UNeDocs Core: An Integrated Data Model

- An integrated (Master) Data Model describes the structure of information that is exchanged in Cross Border Trade
- Each trade document is a specific implementation (subset) of this data model
- The data model can be mapped into electronic documents (EDIFACT, XML) and/or on Paper



UNeDocs Data Model



Document and
Standards for Paper

eBusiness
Standards

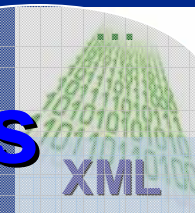
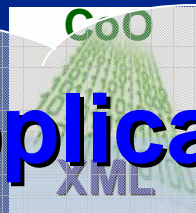
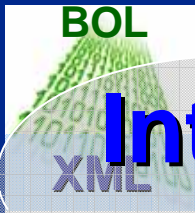


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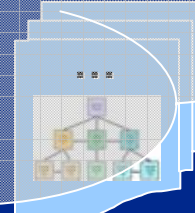
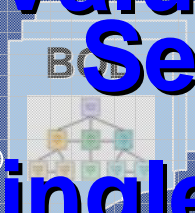
Internet Applications

Value added Services

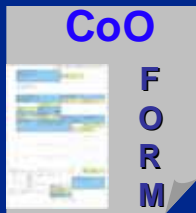
Single Window



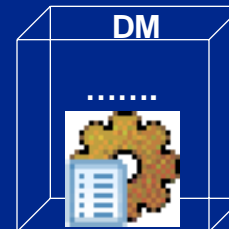
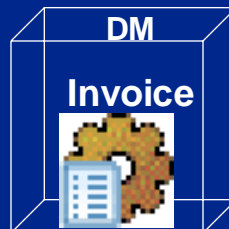
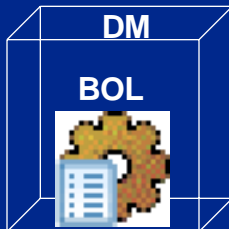
XML



EDIFACT



Paper Trade Documents



Specific Document Data Models



UNeDocs Data Model

Cross Border Trade - today

Country of Export



Country of Import

Exchange of individual documents

- Requires physical transport of documents
- Documents issued in Country of Export
- ..must match requirements of Country of Import (COI)
- electronic documents need to match COI technical specs
- What happens if one document is missing?

Cross Border Trade- tomorrow?

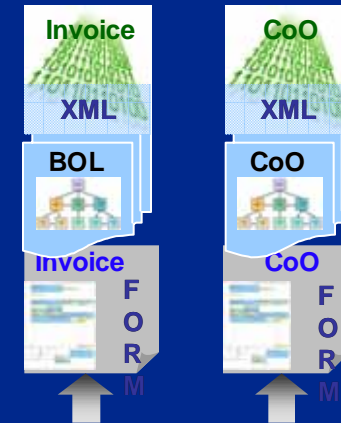
Country of Export



Country of Import

Exchange based on regional Data Model

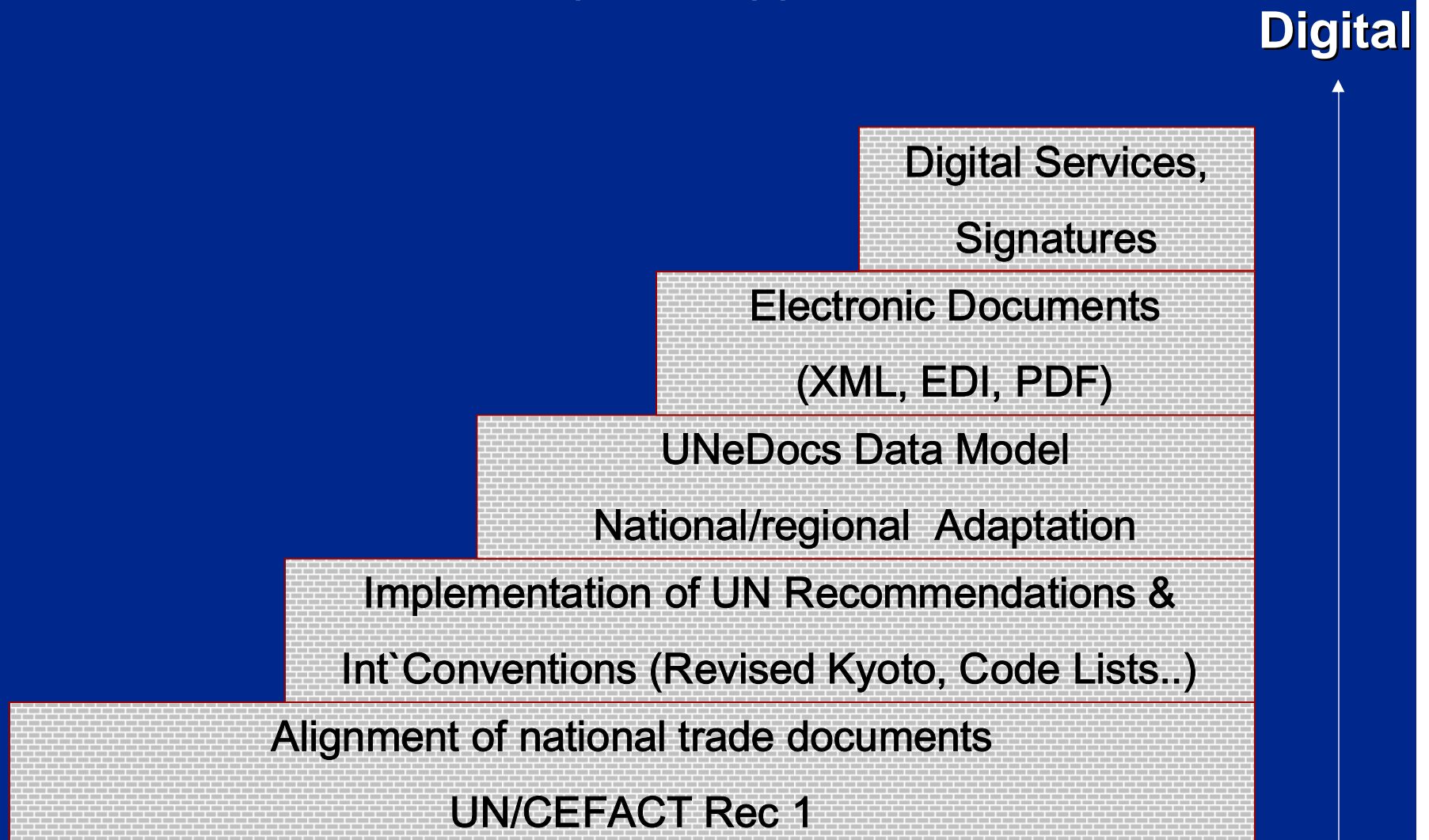
- Advance exchange of information
- One time submission of all data
- Both countries have a stable base to invest in automation
- Documents generated in Country of Import (COI)
- COI can determine which documents are required
- COI can determine formats of documents and automation



UNeDocs/WCO Data Model



Implementation of Paperless Trade Stepwise Approach



Paper

UN CEFAC

Recommendation 33

- Recommends the establishment of a Single Window facility that allows:
 - parties to lodge standardised information and documents with a *single entry point* to fulfil all export, import and transit related regulatory requirements
 - if the information is electronic, then individual data elements should only be *submitted once*



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UN CEFAC

Recommendation 33

- the sharing of all information supported by a *legal framework* that provides privacy and security in the exchange of information
- *co-ordinate the controls* of the various governmental authorities, where appropriate

Linked: Compendium on SW Implementations,
Roadmap for Paperless Trade,..



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UN Toolkit and Forms Repository

□ What?

A tool to help countries to align their trade documents to international standards and to make documents and administrative regulations available on the Internet.

□ Who?

Cooperation of five UN Regional Commissions
financed under the Development Account





A Joint Project Of The Five UN Regional Commissions



ECE

ECLAC

ESCWA

ESCAP

ECA

The establishment of a Toolkit and an Internet based Repository provides a platform to develop, publish and promote national sets of trade document forms. It provides assistance and incentive for Governments and trade associations to simplify document requirements and develop consistent national series of trade documents. Traders can download international trade documents, enter data and print and email the completed document.

The system responds to the need for simplification of document requirements and transparency of the administration of trade under GATT Article VIII and X, the need for efficient and standardised information exchange in global supply chains and the Governments need for better data and automated risk assessment. [More info..](#)



Trade Documents Repository

UN Repository of trade documents and guidelines collected from various countries.

[enter..](#) (work in progress)

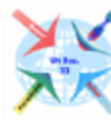
[RSS 2.0](#)



Trade Document Toolkit

Provides set of tools and guidelines for trade facilitators to design aligned national trade documents.

[enter..](#)



SingleWindow Repository

UNECE repository of case studies for Single Window implementations around the world.

unece.unog.ch/etrade/

GATT and the UN Toolkit and Forms Repository

□ Relation to GATT VIII (fees & formalities)

..decreasing and simplifying import and export documentation requirements (Toolkit)

..minimizing complexity of import and export regulations (Forms Repository)

□ Relation to GATT X (Publication of Trade Regulations)

..as far as possible, prompt and adequate publicity should be given to change in laws and regulations affecting foreign trade (Forms Repository)



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ASEAN CEPT FORM D



1. Goods consigned from (Exporter's business name, address, country)			Reference No. 408905		
2. Goods consigned to (Consignees name, address, country) Power Sirich Groupm, INC. 1211 RM, 411 Dagupan Street, TONDO Metro Manila Philippines			<p style="text-align: center;">ASEAN COMMON EFFECTIVE PREFERENTIAL TARIFF / ASEAN INDUSTRIAL COOPERATION SCHEME CERTIFICATE OF ORGIN (Combined Declaration and Certificate) FORM D</p> <p>Issued in Thailand [TH] (Country)</p> <p style="text-align: right;">See Notes Overleaf</p>		
3. Means of transport and route(as far as known)			4. For Official Use		
Departure date 29052006			<input checked="" type="checkbox"/> Preferential Treatment Given Under ASEAN Common Effective Preferential Tariff Scehme		
Vessels Name/Aircraft ect. HYUNDAI CONCORD			<input type="checkbox"/> Preferential Treatment Given Under ASEAN Industrial Cooperation Scheme		
Port of Discharge North Manila			<input type="checkbox"/> Preferential Treatment Not Given (Please state reasons/s)		
			<div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>Signature of Authorized Signatory of the Importing Country</p>		
5. Item number	6. Marks and numbers on packages	7. Number and type of packages, description of goods (including quantity where appropriate and HS number of the importing country)	8. Orgin criterion (see Notes overleaf)	9. Gross weight or other quantity and value (FOB)	10. Number and date of invoices
	Sirich Mainila	Modelling Clays H.S.3407.00.00.**** Total: One Hundred Eighty-Four Cartons ****	72%	3500KG 1051 USD	EXSQI025/ MAY/06


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Recommendation 34 (under development)

Rec 34 will provide recommendation on the process of Cross Border Data Exchange (CBDE)

Issue: Requires a Reference Data Model

UN/CEFACT Geneva May Symposium:

- Data Models can provide the reference structure for CBDE
- UNeDocs and WCO DM are complementary and share common approach and common set of standards
- Implementation requires national/regional adaptation of the Data Model
- Pilot Projects and capacity building is crucial for implementation



UNeDocs ASEAN Proof Of Concept

- ASEAN Pathfinder Project TH/PH
- Mapping of ASEAN Information Parameters

<http://www.unece.org/etrades/unedocs/tmp/ASEAN Docs Mapping.wmv>

- TDED & WCO
- UNeDocs Data Model
- electronic CoO and Customs Message



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Digital Paper for Trade

Thank You

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www.UNeDocs.org

www.unece.org/cefact/forum_grps/tbg/tbg2_edocs/tbg2_edocs.htm



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