



UNeDocs Introduction, Strategy and Objectives

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UNeDocs Project



- Project Overview
- Background
- Scope
- Objectives
- Benefits
- Status
- More Information...

Overview



- To facilitate international trade by providing a migration path towards paperless trade by:
 - developing a cross-domain, multimodal cross-border Core Component data model mapped to the United Nations Trade Data Element Directory (UNTDDED)
 - publishing and maintaining a set of UN/CEFACT syntax implementation standards including EDIFACT, XML and aligned paper document layouts
- To support maintainable national, regional and industry-focussed contextual implementations by:
 - delivering Capacity Building Workshops
 - developing and publishing UNeDocs implementation guidance documentation.

UNeDocs – from yesterday through to tomorrow



A single data modelling approach for:

- Paper documents
- Electronic documents which are simply equivalent to paper documents
- Structured electronic documents
UNEDIFACT, Cargoimp, VDA, XML etc.
- Snippets, e.g. Web/Service Orientated eTransactions

Objectives



To provide a smooth migration path towards 'Digital Paper' by

- Aligning data elements across Cross-Border Trade, Transport, International Payments, Customs & other Regulatory 'Documents'
- Delivering the electronic successor of the paper-based UN Layout Key (UNECE Recommendation No 1)
- Increasing achievable semantic interoperability through reuse of the UNCEFACT Core Component Library mapped to the UNTDED
- Enabling syntactic interoperability across Core Components, EDIFACT, XML, document layouts and box completion guidelines
- Providing maintainability through future versions
- Development of Customisation Methodology to allow user configurability by contextual refinement

Background



2002:

UN/ECE Secretariat and UK's SITPRO signed an MoU to combine the UN/ECE UNeDocs 'proof of concept' project with the SITPRO ElecTra project and to collaborate on the future development of UNeDocs

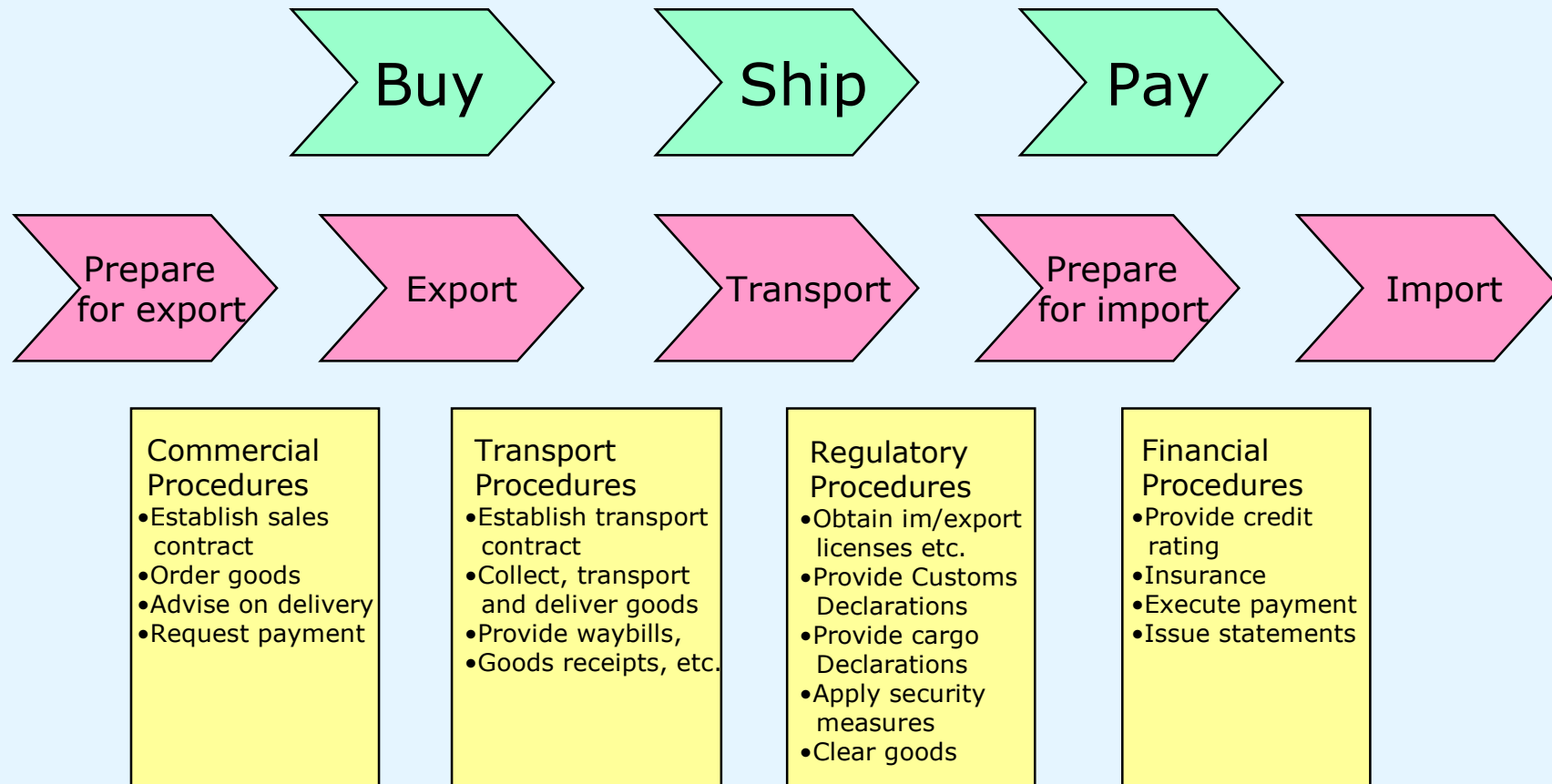
2005:

UN/ECE Secretariat and SITPRO approved the transfer of their joint UNeDocs work into the UN/CEFACT Forum as a TBG project for the next stage of development

2006:

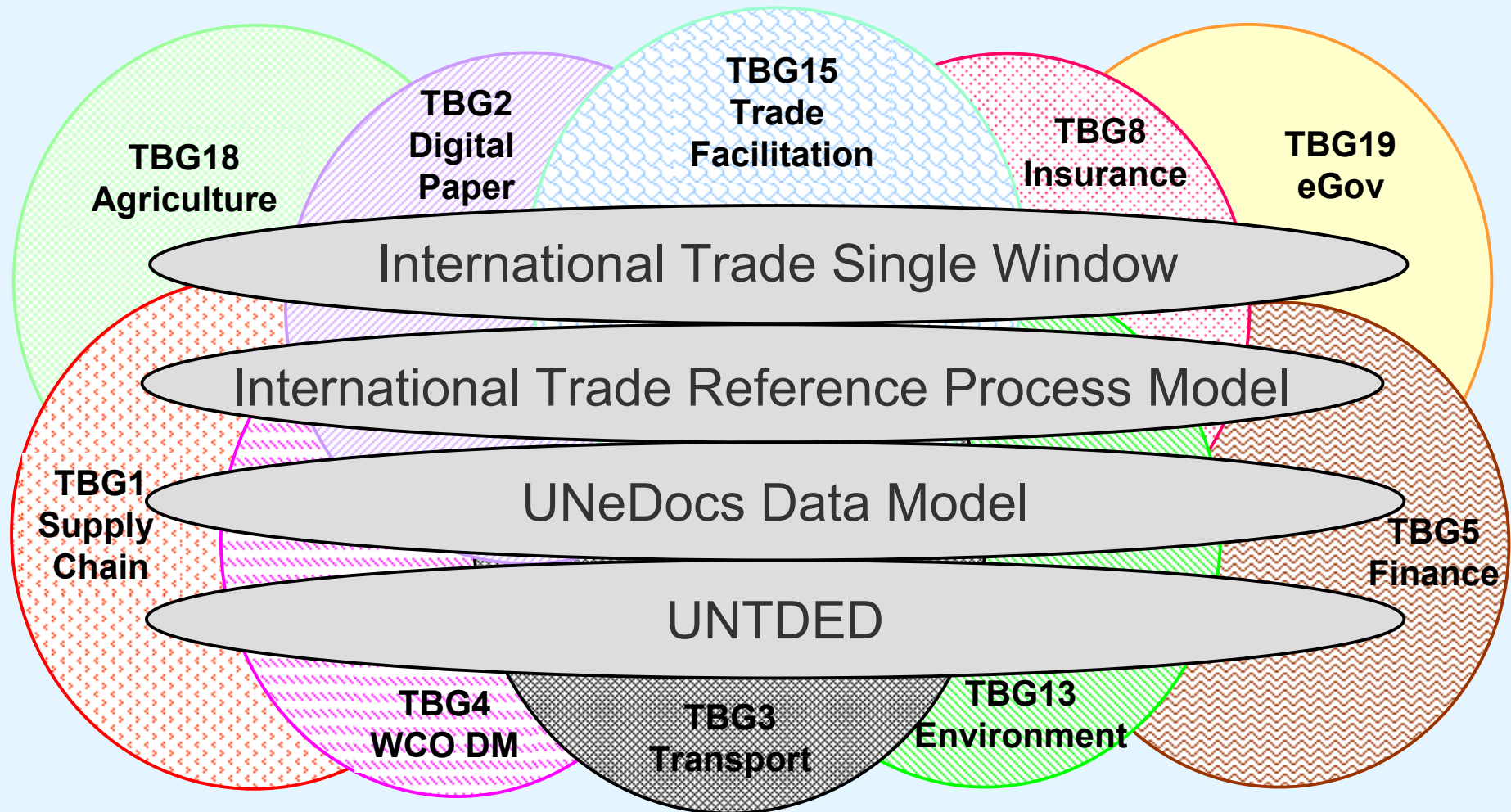
TBG2 project team complete first version UNeDocs Core Component Data Model in collaboration with TBG3 Transport Group

UNeDocs Process Scope



International Trade Reference Model

UNCEFACT Global Supply Chain Business Standards



Single Windows Symposium
Geneva May 2006



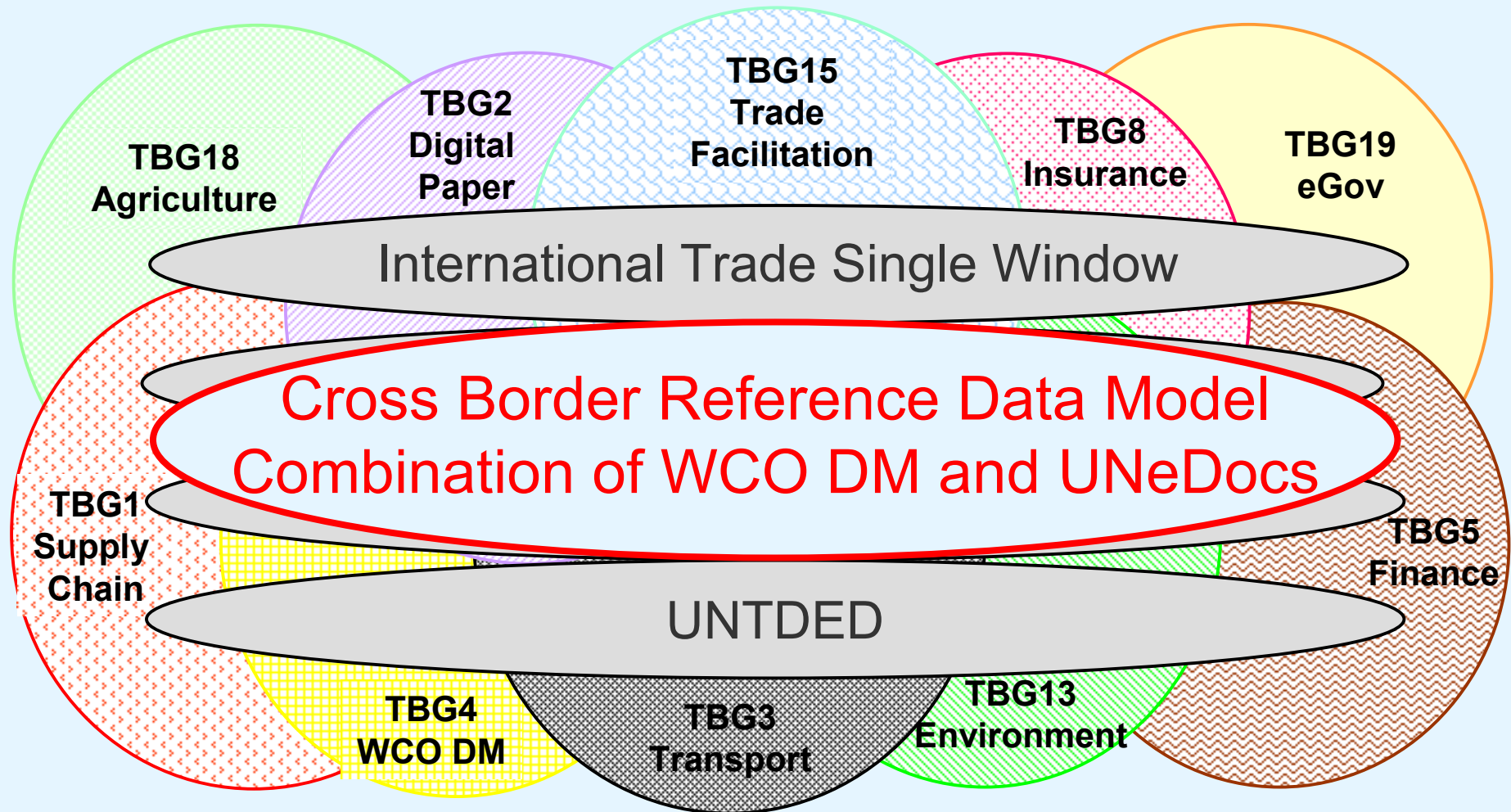
Cross Border Reference Data Model

**World
Customs
Data Model**

**CEFACT
UNeDocs
Data Model**

**(From the conclusions of the UN/CEFACT SYMPOSIUM ON SINGLE
WINDOW STANDARDS AND INTEROPERABILITY; Geneva, May 3-5 2006)**

Cross Border Reference Data Model



Standards Foundation



- UNCEFACT Trade Reference Model for the International Purchase and Supply Chain (TBG14)
- UNCEFACT Unified Modelling Methodology - UMM (TMG/BP)
- UNCEFACT Core Components Technical Specification - CCTS (TMG/CC)
- UNCEFACT Core Component Library (TBG17)
- UNCEFACT XML Naming and Design Rules (ATG2)
- UNCEFACT UN/EDIFACT Directory (ATG1)
- United Nations Trade Data Elements Directory (UNTDDED)
- United Nations Layout Key (UNLK) – UN/ECE Rec. 1

UNLK – UN/ECE Rec. 1

The unsung Global Hero



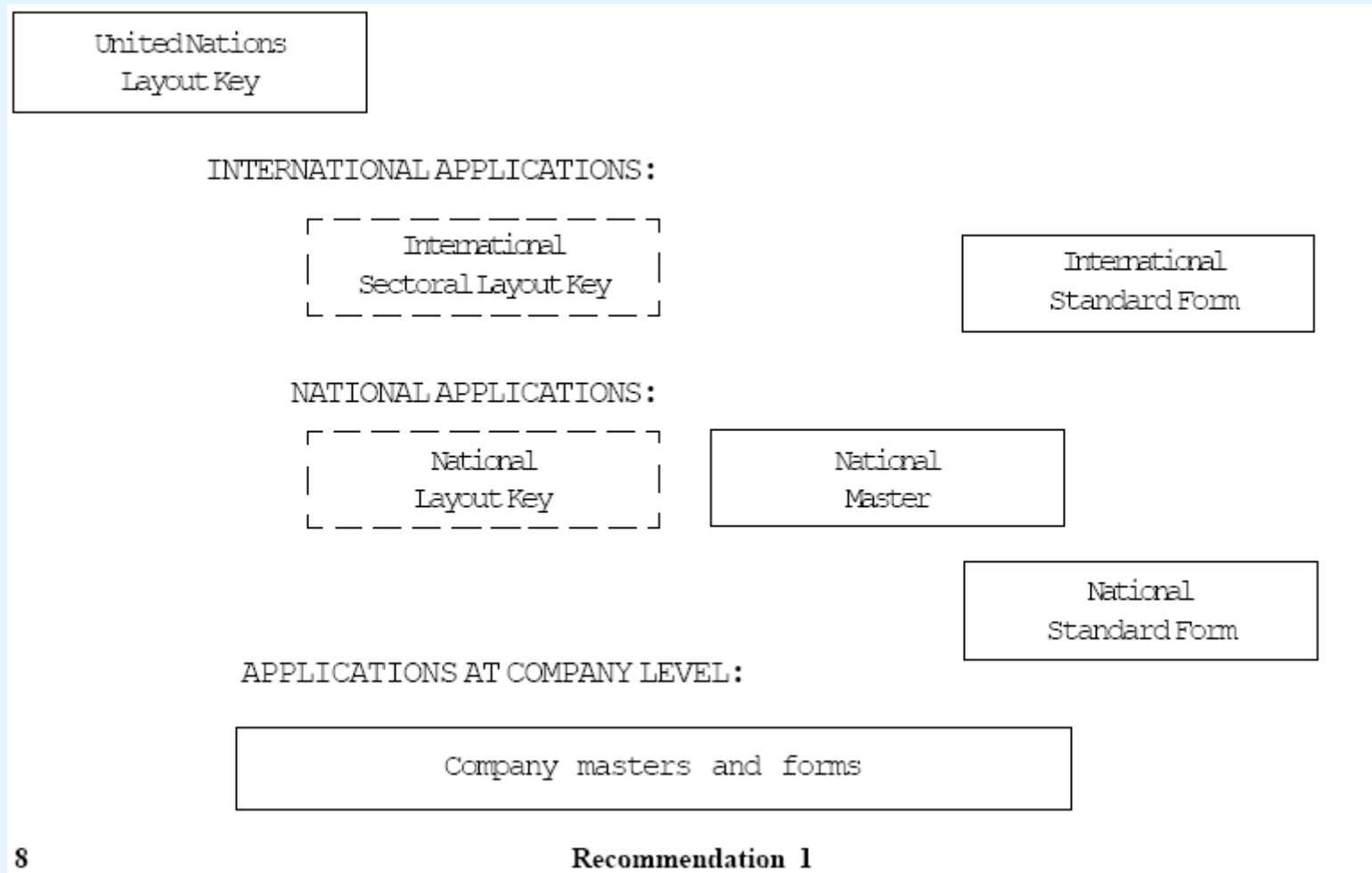
- First published 1973
- Flexible aligned data presentation which has become the de facto standard for the majority of international trade documents
- Foundation for International transport conventions e.g. Maritime B/L (ICS), Airwaybill (IATA), Road CMR (IRU), Rail CIM (UIC) etc.
- Foundation of Customs and other Regulatory Procedures e.g. SAD, Phyto-Sanitary Certificates, Certificates of Origins etc.
- Hundreds of document formats and document legislative regulations based on UNLK across trade, transport, finance, customs, insurance, inspection etc.
- Mapped to UNTDED (ISO 7372)

UN Trade Data Element Directory



B2		= Document. Type Name.Text		
A	B	C	D	E
UID	ISO7372 TDED Name	Definition	TDED 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				

UN Layout Key includes a customisation methodology



Key International Paper Forms



- Negotiable Bill of Lading
- Insurance Certificate
- Consular Invoice
- Import/Export Licences
- Letter of Credit
- Cargo Declarations
- Certificates of Origin, Phytosanitary etc.
- etc.



New Delhi - 3 October 2006

PURCHASE ORDER Page 1 of 1

Seller Meyer Hardware Inc. South Hollow Road London UK		Purchase order number 4500004875			
		Date 2001-12-17		Seller's reference	
		Buyer's reference		Other reference	
Consignee IDES Retail INC US West Chester Pike Parsippany, NY US		Buyer IDES Retail INC US West Chester Pike Parsippany, NY US			
Buyer's bank		Buyer's bank			
Country of origin US		Country of origin		Country of destination US	
Mode of transport	Date of despatch	Terms of delivery		Location	
Means of transport	Place of despatch	Time of delivery		Transport Charges	
Vessel/flight No.	Place of loading	Terms of payment		Currency of payment	
Place of discharge	Place of delivery				
Shipping marks	Container Nr.	Number and kind of packages; description of goods		Total gross wt(Kg) 50	Total cube(m3) 7
Item 1 of 1	Description Tuner X300	Quantity UOM 10	Unit price 350.00	Amount 3,500.00	
Invoice clauses				Total amount USD 3,500.00	

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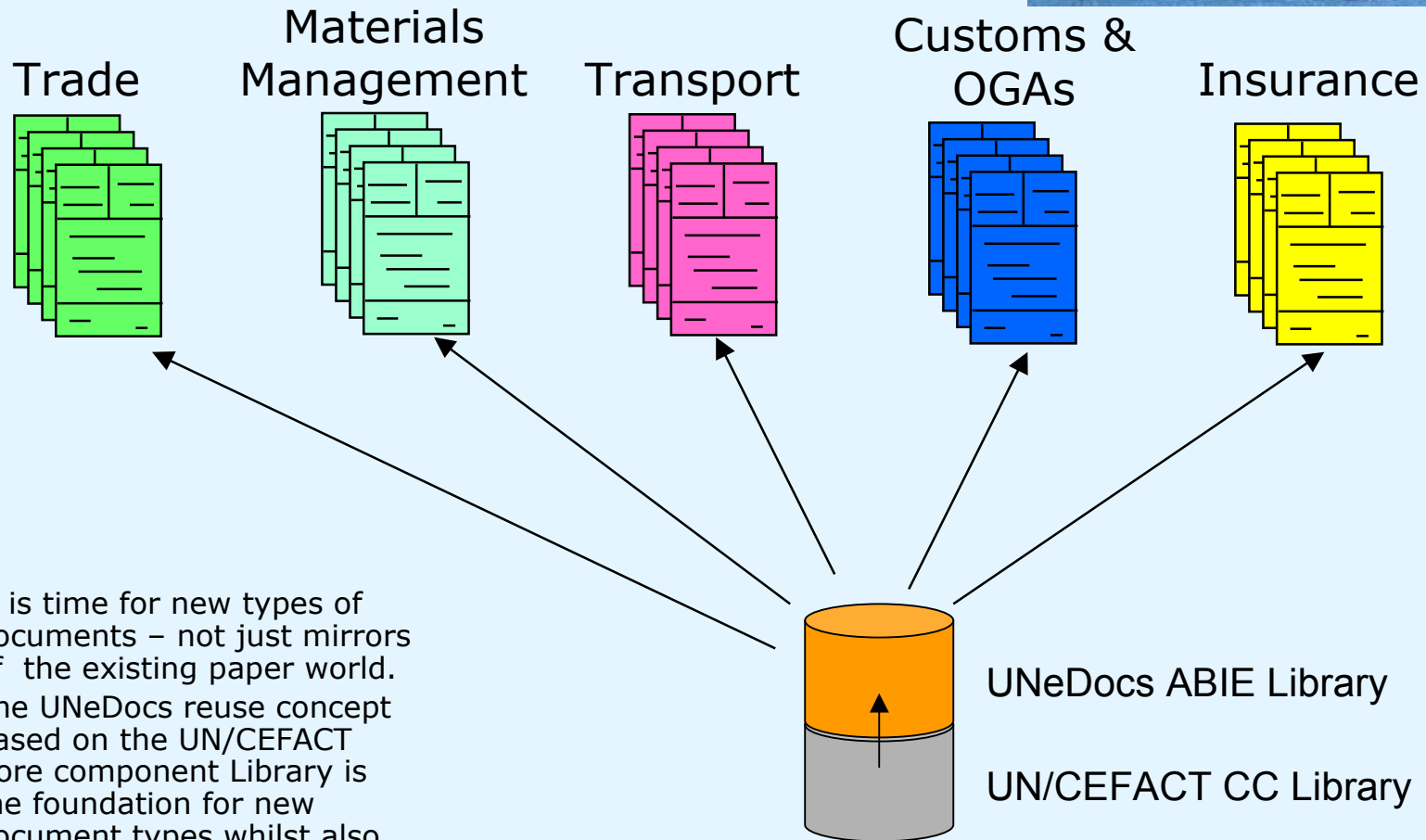
UNECE/CEFACT Capacity Building Workshop
United Nations electronic Trade Documents

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UNLK Form Families

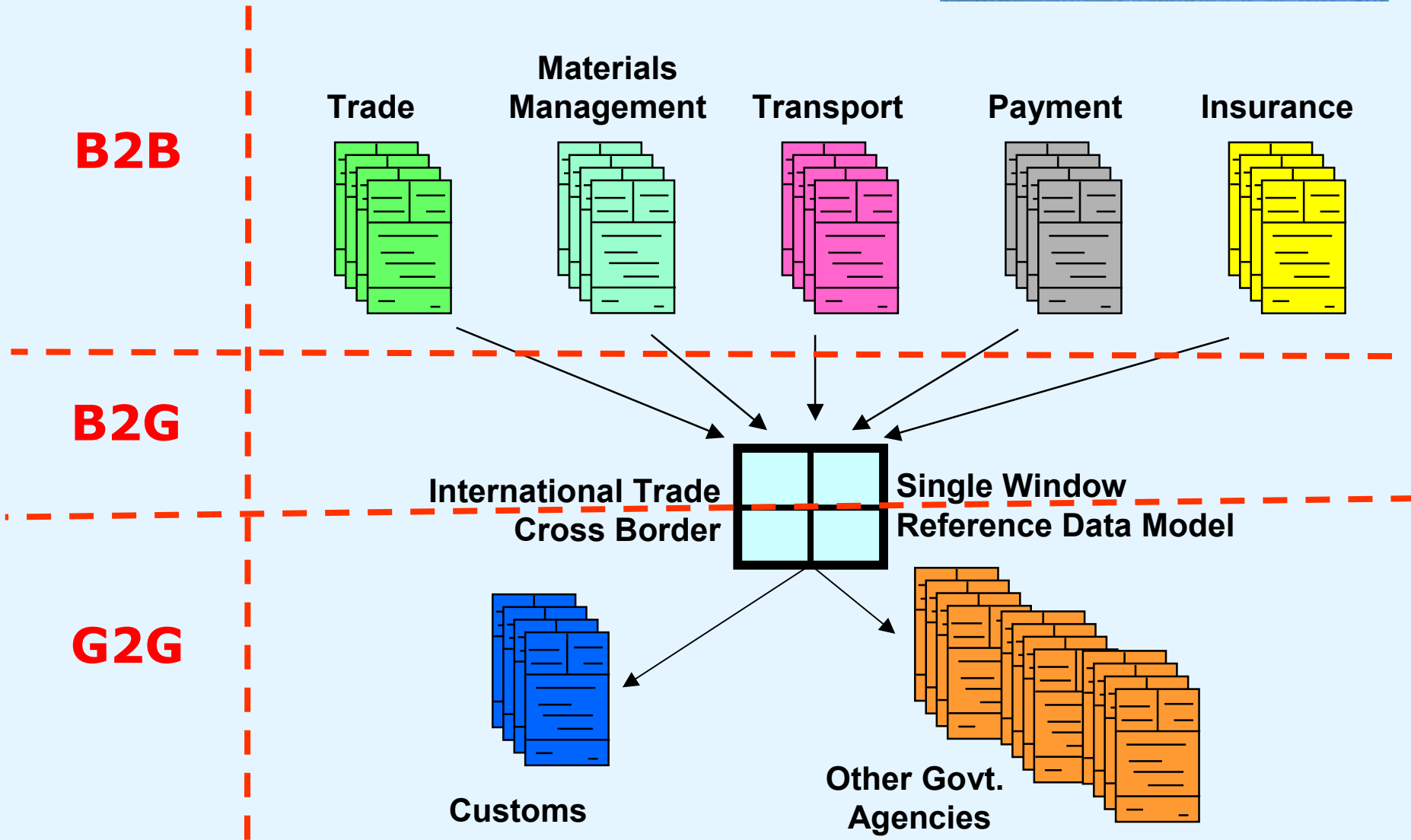


UNeDocs Reuse Concept



- It is time for new types of documents – not just mirrors of the existing paper world.
- The UNeDocs reuse concept based on the UN/CEFACT Core component Library is the foundation for new document types whilst also providing legacy support and a migration path between the two.

Single Window



Ownership – 3 Levels



1st level

Stakeholders -
Forms/Convention Owners plus UN/CEFACT
Country Delegations and Regulatory Authorities

2nd level

UN/CEFACT UNeDocs Project

3rd level

UNeDocs National, Regional or
Industry Implementations

Summary



- A combination of cross-border business requirements collected from the TBG domain Working Groups and the necessary international regulatory requirements collated in conjunction with the WCO, paper-based Convention stakeholders and the Trade Facilitation work of TBG15.
- A harmonised, multimodal cross-domain data model based on the reuse of the UN/CEFACT Core Component Library plus pre-harmonised contributions to the further development of the Library.
- The application of a holistic approach which incorporates the deployment of all relevant UN/CEFACT instruments and standards.
- The development of coordinated implementation specifications for paper, eforms, UN/EDIFACT and XML document formats and structures.

More information...



- Project leads: Michael Dill@gefeg.com and sue.probert@sepiaeb.com
- http://www.unece.org/cefact/forum_grps/tbg/tbg2_edocs/tbg2_edocs.htm
- www.unedocs.org