18th session of the SPECA Working Group on Trade

Sue Probert

UN/CEFACT Chair

Global Supply Chain Data Exchange Standards for harmonised digititalisation of trade and transport data flows.

About UN/CEFACT

Objectives

- Simple, transparent and effective processes for global business
- Efficient and automated exchange of information
- Targeted support to SDGs 8, 12, and 17

Key tools

- 50 global trade facilitation recommendations
- 950 e-Business standards and guidelines

Means

- Public-Private Partnership
- Over 1600 volunteer experts working on 30 active projects
- Bi-annual Forums and annual Plenary sessions
- Regular Bureau calls

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Partnerships and Collaboration

EC
DG-MOVE
DG-TAXUD
DG-MARE
DG-INTPA
DG-DIGIT

EEC
OECD

GS1
IPCSA
PROTECT
FIATA
SMDG
DCSA

ISO
IEC
ITU
WTO
ITC
IATA
WCO

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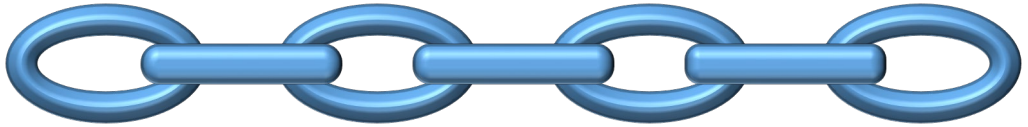
Global Supply Chain Holistic Multimodal links



- Most dematerialization projects are only looking at one sectoral view
  - The international supply chain is very complex
  - Almost all sectoral views are just one part of a global supply chain

- A holistic view and approach are needed
  - Information will not be related purely to goods or purely to transport or purely to regulatory
  - There are clear links between the information in each part of the global supply chain

- UN/CEFACT deliverables all take this holistic approach
  - Cross Industry
  - MultiModal
  - Cross-border Agencies

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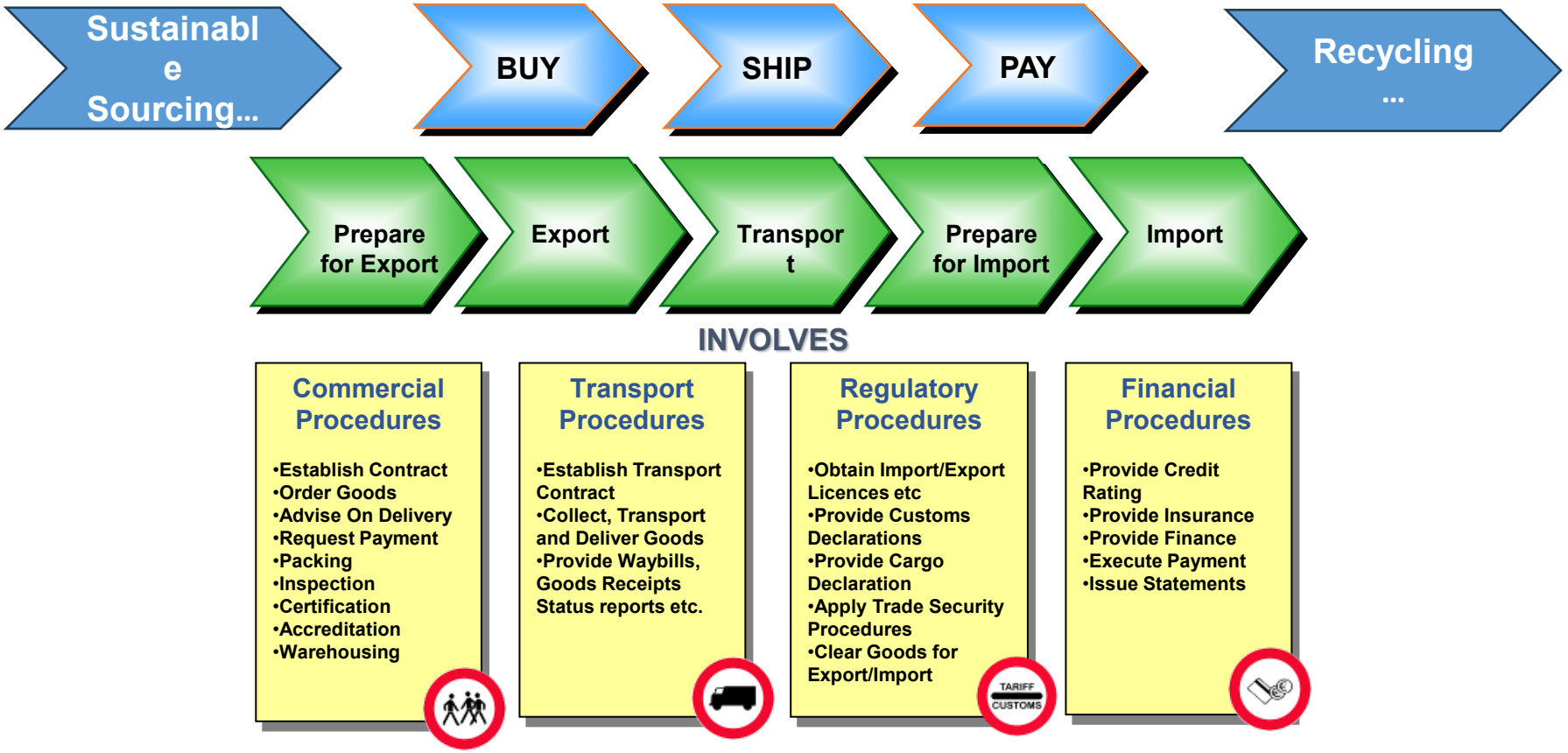
UN/CEFACT International Supply Chain Processes



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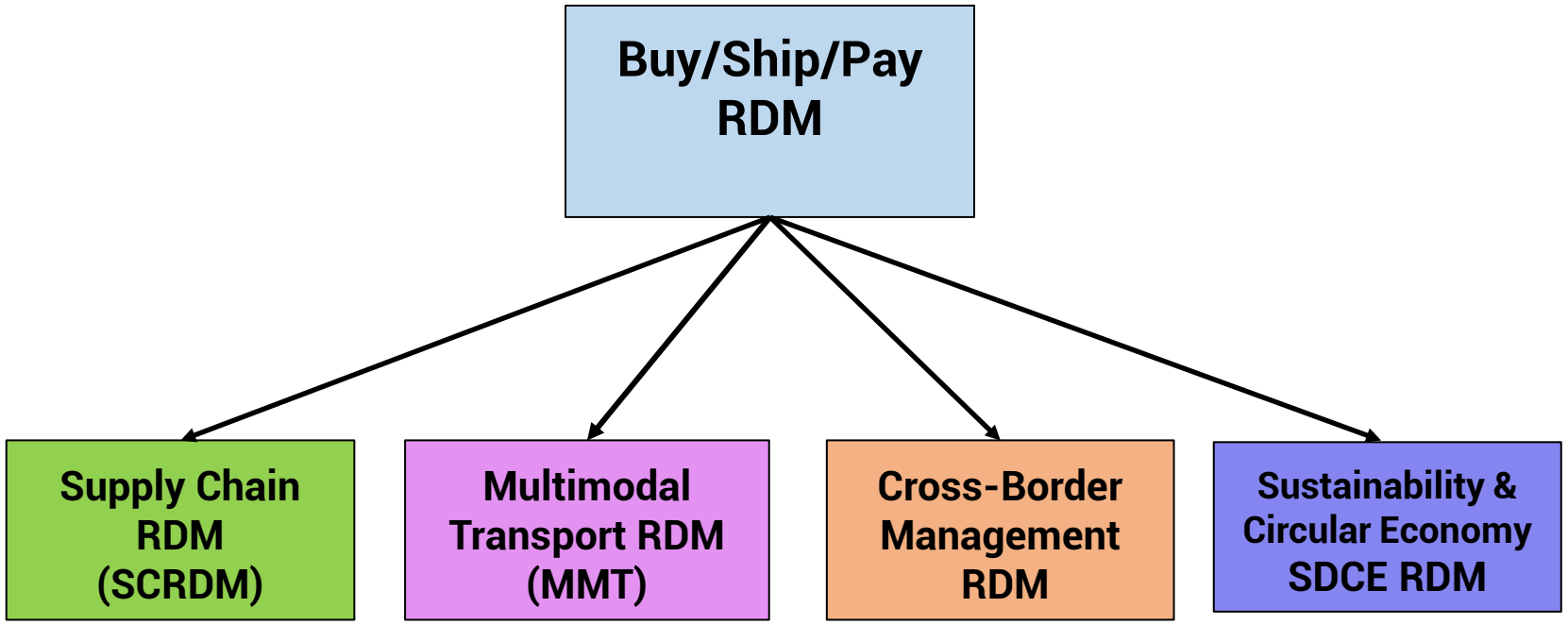
UN/CEFACT Reference Data Model Family



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UN/CEFACT Global Supply Chain eBusiness Standards

- Based on UN/CEFACT international supply chain reference data model
- Cross-industry and Multi Modal/Intermodal
- Result of contributions from 100s of supply chain experts over more than 20 years
- Business Process Analyses and Data Exchange Message structures - latest published versions May 2023
- Publication formats to support the development of globally harmonised data exchange scenarios with particular focus on cross-modal transport corridors
- Aligned to international regulations and conventions where applicable e.g WCO Data Model (EUCDM) and IMO FAL Reference Model
- Supports EU eFTI and EMSWe regulations

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UNTTC
Transport & Trade Connectivity in the age of pandemics

- UN New York launched **COVID-19 initiative to encourage exchange of digitised electronic data** rather than paper documents in transport contract related data exchanges
- **UNECE and UN/CEFACT joint contribution:**
  - UN/CEFACT Cross-modal project to develop modal data exchange guides as subsets of the UN/CEFACT MMT Reference Data Model to support digitised data exchanges between transport modes
  - **7 Heads of Delegation** supported the Project (Germany, Spain, Greece, Russia, Italy, US and Ukraine)
  - Project completed all ODP steps successfully and published on UN/CEFACT website plus links to UNTTC website

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Modal Specific but Aligned UNTTC MMT-based Customisations

✓Maritime

✓Road

✓Air

✓Rail

✓Inland Waterway

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Inter Modal Matrix with MMT as Reference Model (Auto-generated)

	C	D	E	F	G	H	I	J	K	L	M	N	O
1	BN	FIATA Bill	CIM-SMGS	CIM-SMGS URL	Wagon List	River B/L	Maritime B/L	eCMR	EFTi DR FEB2021	EFTi DG to	Air Waybill	Air CSD	Air DG
2	BN	FIATA Bill	CIM-SMGS Co	CIM-SMGS Co	Wagon list; CC	River Bill of Lading	Maritime BL	eCMR MMT; R	eFTI DESCopy	MMT Cont	Air Waybi	CSD; D21A	DG Declar
3	MMT CCBDA IFTM** Data Exchange Structure	X	X	X	X	X	X	X	X	X	X	X	X
4	Exchanged Document Context							X					
10	Exchanged Document	X	X	X	X	X	X	X			X	X	X
11	ID	X	X	X	X	X	X	X			X	X	X
12	Name												
13	Type Code					X	X	X			X	X	X
14	Issue Date Time	X	X	X	X	X	X	X			X	X	X
15	Remark							X					
16	Original Issued Quantity	X				X							
17	Copy Issued Quantity	X				X							
18	Purpose Code		X	X							X	X	X
19	Sender Assigned ID		X	X									
20	Recipient Assigned ID		X	X									
21	Version ID		X										
22	Note		X	X				X				X	
23	Subject Text							X					
24	Content Code							X					
25	Content Text		X	X				X				X	
26	Subject Code							X				X	
27	Reference Document		X	X									
28	Type Code		X	X									
29	Issue Location	X				X	X	X			X		X
30	ID	X				X	X	X			X		X
31	Name	X				X	X	X			X		X
32	Country Code	X						X					
33	Contractual Clause	X	X	X							X		
34	ID	X									X		
35	Content Text	X	X	X							X		
36	Air Waybill Consignor Signatory Authentication	X	X	X	X						X		
37	Actual Date Time	X	X	X							X		

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Benefits of mapping mode specific data exchange structures to MMT

- MMT is a neutral free-for-use UN global standard developed over more than 20 years by 1000s of cross-domain volunteer experts
- Non-competitive semantic harmonisation to streamline intermodal operations
- Alignment with the WCO data model which shares a multimodal approach to streamline digital cross-border procedures and which is conceptually aligned with the UN/CEFACT global supply chain reference data model
- Alignment with EU eFTI and EU EMSWe regulations whose legal basis is being built on a foundation based on MMT
- Alignment with DCSA and FIATA negotiable maritime eB/Ls which are aligned to MMT
- Alignment with MMT-based eCMR consignment note
- Underpinning semantic interoperability whilst recognising the importance of the relevant governmental and modal regulations/conventions

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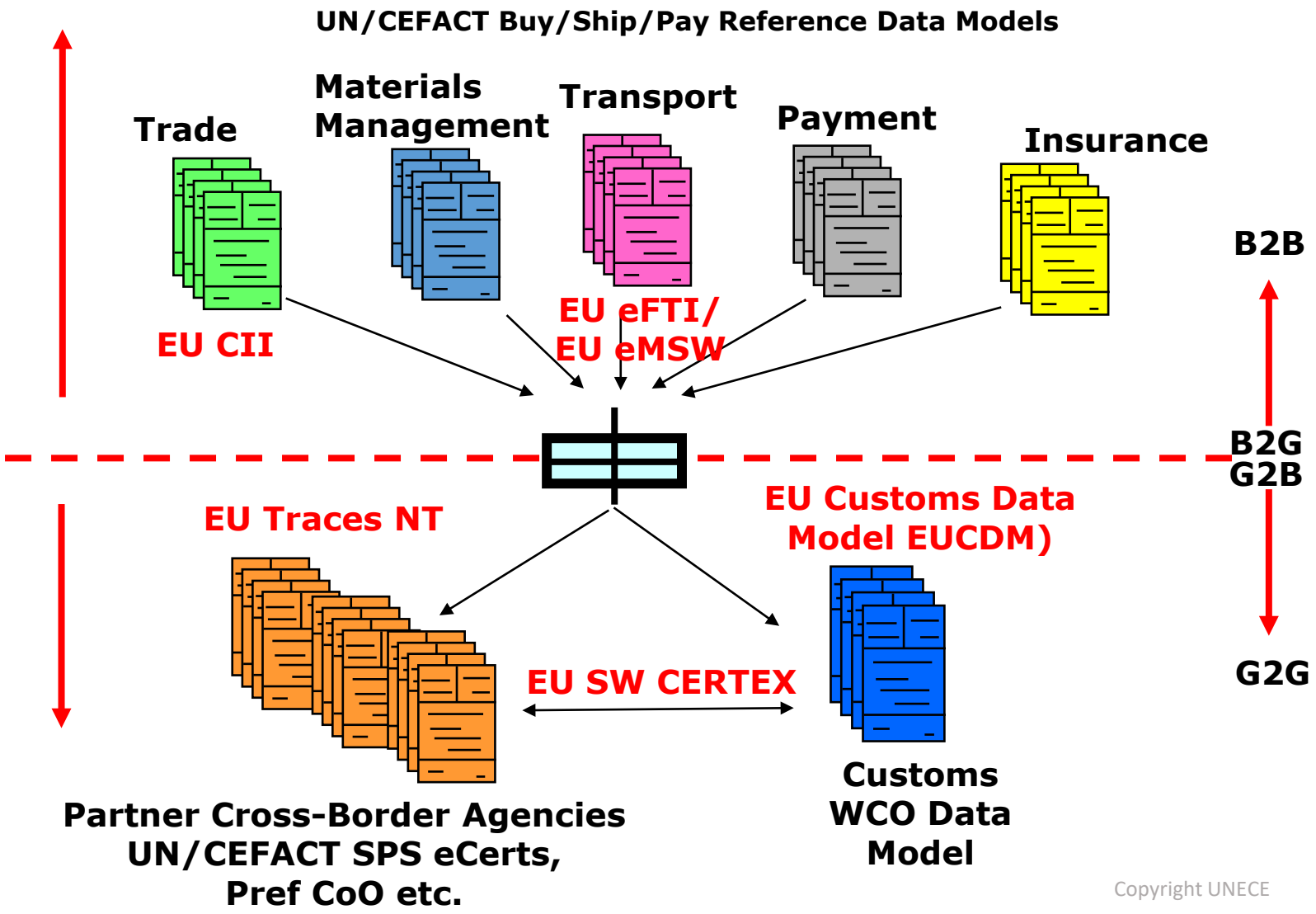
Single Windows Document Families – European Union Perspective



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Key Single Window Semantic Aspects

Recognition that:

- Public side and Government side speak different languages or, at least, different dialects
  - Affects names and definitions
  - Affects data quality
- Partnership approach using harmonised names and definitions will offer increased quality and mutually beneficial facilitation
- Pipeline provision of data in trusted trader programs offers to transform trade facilitation
- Primary and Secondary data views are different

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For further Information

- All UNECE and UN/CEFACT Recommendations, codes, standards and publications are available for free on our website at:
- www.unece.org/cefact/
- All experts are welcome to join the standards development work free of charge

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