



MMT Implementation Knowledge Transfer for the SPECA Region

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June 11/12th 2024, Actau Capacity Building Seminar

UN/CEFACT - Reference Data Model – Contextualization of models

Buy Ship Pay (BSP RDM)

- > · C Transport Temperature Setting *
- C Transport Waste Component
- C Transport Waste Material
- C Transport Cargo Insurance *
- > C Transport Cargo *
- C Transport Dangerous Goods *
- C Transport Event *
- C Transport Instructions *
- C Transport Person *
- C Transport Route *
- C Transport Service *
- Z Travel Product Feature **
- Z Travel Product Intermediary Sale **
- Z Travel Product Note **
- Z Travel Product Period **

Transport (MMT RDM) Supply Chain (SCRDM)

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- > C Transport Temperature Setting *
- > C Transport Waste Component *
- C Transport Waste Material *
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- > X Travel Product Period **

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UN/CEFACT - Reference Data Model – Contextualization of messages

BSP

Buy Ship Pay Master

- C Exchanged Document Context
- C Exchanged Document
- C Exchanged Declaration
- C Logistics Transport Movement
- C Supply Chain Consignment
- C Logistics Transport Equipment
- C Transport Service
- C Trade Settlement Payment
- C Supply Chain Trade Transaction
- C Valuation Breakdown Statement

MMT

Multi Modal Transport Master **

- C Exchanged Document Context
- C Exchanged Document *
- C Exchanged Declaration
- C Logistics Transport Movement *
- C Supply Chain Consignment
- C Logistics Transport Equipment
- C Transport Service
- Z Trade Settlement Payment **
- Supply Chain Trade Transaction **
- Valuation Breakdown Statement **

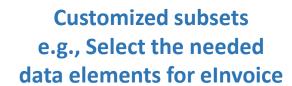
SCRDM

SCRDM CCBDA Master Message Structure **

- C Exchanged Document Context
- C Exchanged Document
- Exchanged Declaration **
- Logistics Transport Movement **
- Supply Chain Consignment **
- C Logistics Transport Equipment **
- Transport Service **
- C Trade Settlement Payment *
- C Supply Chain Trade Transaction *
- C Valuation Breakdown Statement *



Customized subsets
e.g., Select the needed data
elements for eBL







UNDP UNTTC (Transport & Trade Connectivity in the age of pandemics)

UNECE/CEFACT contribution: Modal Specific but Aligned MMT-based Customisations



✓ Maritime



✓ Air



✓ Road



✓ Rail



✓Inland Waterway





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

2 3 4 5 6 7 8	∡ C	D	E	F	G	Н	1	J	K	L	М	N	0
	1 BN		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 C	CIM-SMGS Co	Wagon list; Co	River Bill of Lading	Maritime Bl	eCMR MMT; R	eFTI DESCopy	MMT Cont	Air Wayb	CSD; D21	DG Decla
	3 MMT CCBDA IFTM** Data Exchange Structure	X	X	X	X	X	X	X	X	X	Х	X	Х
+	4 Exchanged Document Context							X					
-	10 Exchanged Document	X	X	X	X	X	X	X			Х	X	X
	11 ID	X	X	X	X	X	X	X			Х	X	X
	12 Name												
	13 Type Code					X	X	X			Х	X	Х
	14 Issue Date Time	X	X	X	X	X	X	X			Х	X	Х
	15 Remark							X					
	16 Original Issued Quantity	X				X							
	17 Copy Issued Quantity	X				X							
	18 Purpose Code		X	X							Х	X	Х
	19 Sender Assigned ID		X	х									
	20 Recipient Assigned ID		X	Х									
	21 Version ID		X										
	22 Note		X	х				х				X	
	23 Subject Text							х					
	24 Content Code							х					
	25 Content Text		X	х				х				X	
	26 Subject Code							х				Х	
	27 Reference Document		X	х									
	28 Type Code		X	Х									
	29 Issue Location	Х				Х	X	х			Х		Х
	30 ID	Х				х	X	х			Х		Х
	31 Name	Х				Х	Х	х			Х		Х
	32 Country Code	Х						Х					
	33 Contractual Clause	Х	х	Х							Х		
Τ.	34 ID	Х									Х		
	35 Content Text	Х	Х	Х							Х		
	36 Air Waybill Consignor Signatory Authentication	Х	Х	X	x						Х		
	37 Actual Date Time	Х	х	х							Х		



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How Contextualise, Customise and Publish UN/CEFACT Standards

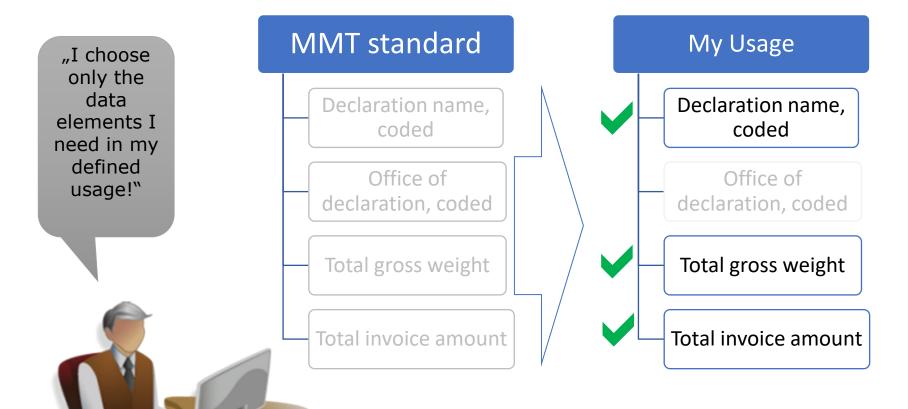
- Restriction of data model structures to remove those not required for use in national implementations
- Addition of usage notes for language translations, references to national legislation or message specific business rules etc.
- Refinement of code values for language translations, inclusion of national codes or restricted code lists etc.
- Mapping to internal and current data exchange standards such as XSD, UN/EDIFACT etc.
- Publication of national data exchange specifications
- Automatic testing of received messages against contextualised specification





Simple effective reuse of an underlying standardised data model



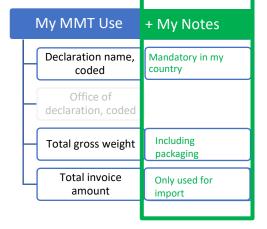


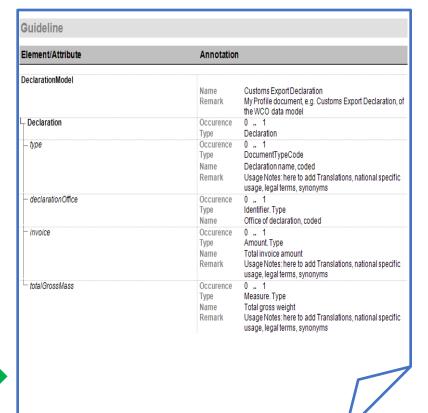




Generation of usage documentation:

Add usage notes and then generate usage documentation







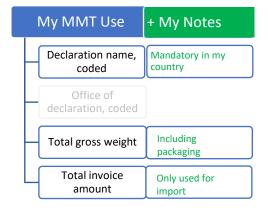




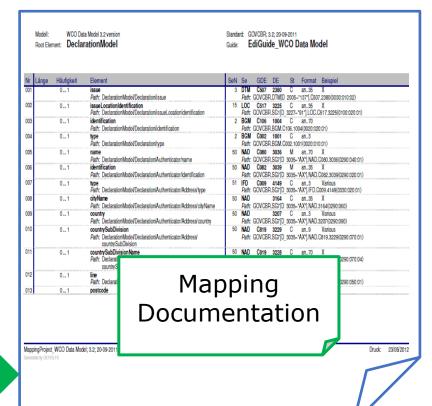


Mapping of usage to EDI or XML guide

Map the customised usage to my XML or EDI guides















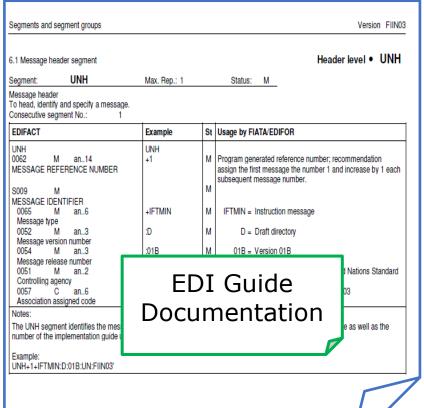
Expression of usage in EDI guide



Generate the usage documentation in the technical EDI view for use by system developers











Expression of usage in XML schema



