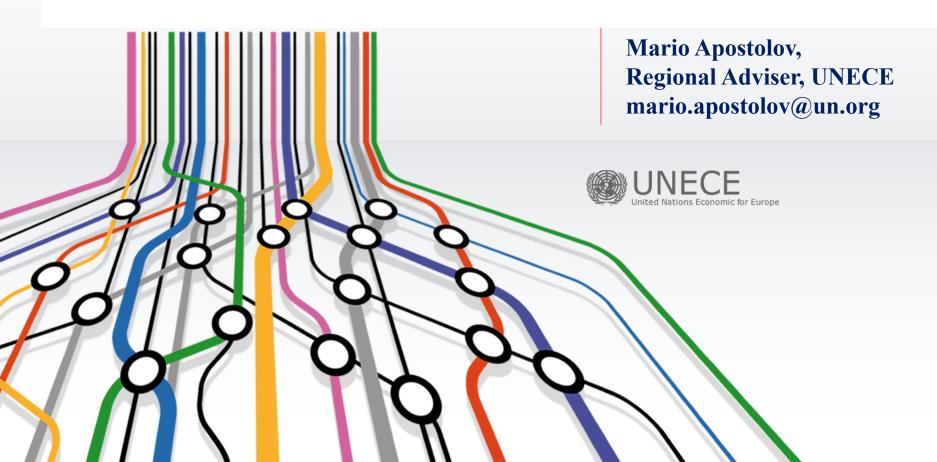
Standards for trade and multimodal transport data exchange





UNECE and UN/CEFACT

UNECE – one of five **UN Regional Economic Commissions**

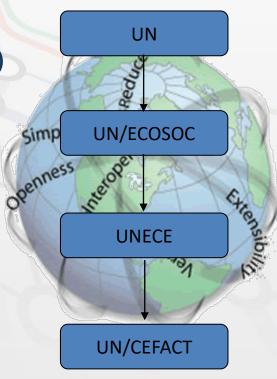
UN Centre for Trade Facilitation and e-Business (UN/CEFACT) a UNECE subsidiary body.

Objectives

- Simple, transparent and effective processes for global business
- Efficient and automated exchange of information
 Outputs
- Global Trade Facilitation and Electronic Business
 Recommendations and Standards

Means

- Public-Private Sector Partnership
 - over 400 experts from government and business
- Experts meet via internet every week plus two Forums per year



Global Remit



Multi-agency UN Development Account project in response to the COVID-19 crisis. UNECE segment: interoperability of multimodal data exchange using UN/CEFACT standards and reference data models

Upgrading
existing and
developing new
data exchange
standards for
key documents
accompanying
goods in various
modes of
transport

based on UN/CEFACT's multi-modal transport reference data model

Pilot implementation projects: e.g., in a digital multimodal corridor or in various documents (e.g. the FIATA multimodal Bill of Lading, air cargo transportation documents, etc.)

Key partners: UNECE, ICAO, IMO, as well as EC, FIATA, OSJD, CIT, IATA, IRU, GUAM, TRACECA, BSEC, etc.

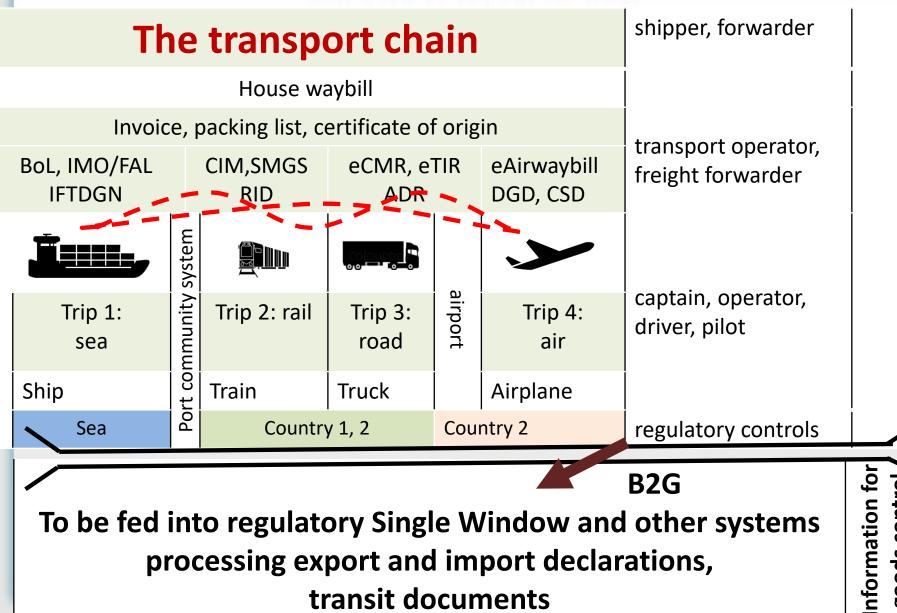
TR

Digitalization of air cargo transport information as part of interoperability for multimodal data UNDA project: unttc.org web site



information about the standards and tools: https://unttc.org/stream/electronic-trade-and-transport-documents-and-data

Seamless multimodal supply chain



B2G

To be fed into regulatory Single Window and other systems processing export and import declarations, transit documents

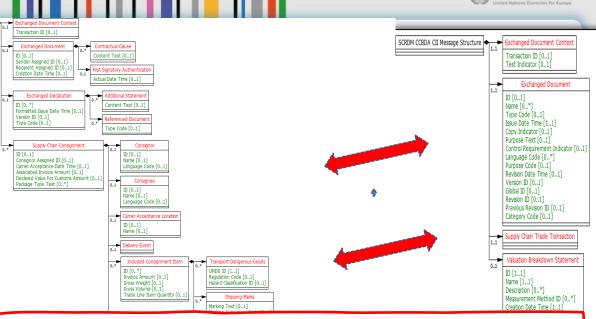
Consignment information goods control

Ready standards or standards under preparation	Key documents accompanying goods (B2B)
1. Standardized data exchanges (executive guide; business requirement specification; business name structure; subset; CCL structure; XLS guideline structure; XSD schema; UML diagram; HTML index, using as a model the e-CMR standard) www.unece.org/uncefact/mainstandards.html , already prepared for the following documents:	3. Standardized data exchanges to support cross-modal cargo transfers
eCMR Cross Industry Invoice Cross Industry Delivery Cross Industry Catalogue Cross Industry Quotation Cross Industry Remittance Advice Cross Industry Scheduling Cross Industry Ordering Process Material Safety Data Sheet Details (MSDS) Contract Financial Execution Management Market Research Information Verified Gross Mass (VERMAS) documents International Forwarding and Transfer documents Smart container information A number of agricultural certificates, accounting and other documents These standards you can find at www.unece.org/trade/uncefact/mainstandards.html	 Inland water transport contract document: IWT "Bill of Lading"; CMNI consignment note; etc. Maritime waybill. CIM/SMGS and SMGS Consignment Note; CIM/SMGS Wagon List (+ Commercial Act, etc.) eCERT (sanitary-phytosanitary certificates and basis for other certificates): aligned to the Buy-Ship-Pay Reference Data Model
2. Standardized data exchanges published in October 2020, making information already in the MMT-RDM more easily discoverable	4. Air cargo and dangerous goods documents:
 Provisional booking Firm booking Booking confirmation Shipping instructions Waybill Status report 	 airwaybill, dangerous goods declaration, and consignment security declaration
 Status request Packing list RASFF (Rapid Alert for Security of Food and Feed) (published at www.unttc.org and 	FIATA multimodal Bill of Lading + 3 more FIATA documents
Common foundation for all multimodal data & reference data models – Stakeholde documents and legal frameworks. EU's	er agencies retain control over their



UNECE UNITED RECOGNIC FOR Europe

For example: the CIM-SMGS railway consignment note referenced to the UN/CEFACT Multi-Modal Transport Reference Data Model, according to the prepared XML schema for CIM-SMGS



Transport data and documents can and are exchanged between modes and with other sectors







Air: core mappings

AWB

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		→	(CCD
DC			CSD
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		Air Waybill issued by	Consignment Security Declaration
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nsignee	N	Agents IATA Code Account No.	Received from Screening Method Grounds for Exempt
			(codes) (codes)
		Section Control Contro	
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	applicable Dange Goods Regulations may be		
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CARGO CARGO	agent. Shipment Type: (delete non-applicable)	No. of Gross kgl Rate Class Places Places RCP Weight b Commodify Weight Charge	Name of Person or Employee ID
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rport of Destination:	NON-RADIOACTIVE RADIOACTIVE		(or any regulated party who has accepted the security status given to a consignment by another regulated party)
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No. Proper Shipping Name Division Group	y Risk		
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nsignment are fully and accurately described	of Signatory	Carriage by air according to the applicable Dangerous Goeds Regulation	018.
ove by the proper shipping name and are ssified, packaged, marked, labeled/placarded, and Place and D	Date	MARKET AND	Y .
e in all respects in proper condition for transport cording to applicable international and national (see WARN	(NG above)	Signature of Shipper or his Agent Total prepaid Total collect	U
R RADIOACTIVE MATERIAL SHIPMENT ACCEPTABLE FOR PASSEN	GER AIRCRAFT: THE SHIPMENT CONTAINS RADIOACTIVE	Currency Conversion Rates / or charges in Deel. Ourency /	
ATERIAL INTENDED FOR USE IN OR INCIDENT TO RESEARCH, MED	IICAL DIAGNOSIS, OR TREATMENT.		Signature of leasuing Confer or to Agent
		For Center's Use only at Destination Total collect Charges at Destination	

Copyright UNECE



Modal dangerous goods data

MULTIMODAL DANGEROU 8 GOOD 8 FORM (right edge black hatchings)

This shipment is within the limitations prescribed for (Delete non-applicable)

PASSENGER AND CARGO AIRCRAFT

RID (OTIF) 1082 pages

EDIFACT ITFDGN

United Nations Directories for Electronic Data Interchange for Administration, Commerce and Transport



Air DGD

						1110000	at least two cop	to the dealery	
Shipper			Air Waybill No.						
					Page	of	Pages		
					Shipper's Reference No.				
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Consigne									
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ASSENG		CARGO			agent. Shipment Type: (delete non-applicable)				
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	Dan	gerous Goods Ident	ificatio	n			Packing		
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						24hr. Emergency Conta	ct No.		
consignment are fully and accurately described		Name/Tit	Name/Title of Signatory						
are in all respects in proper condition for transport			Place and Date						
			Signature						
			(see WARNING above)						

Common dangerous goods data elements

14. Stepping marks

*Number and kind of packages, decaption of goods
Gross nave, (kg)

*FOR DANGEROUS GOODS; you must specify: UN No., proper shipping name, hazard class, packing group (where assigned) and any other elemen

Th. Confidence identification No. Anotherize may 18. Soul number (s) 17. Confidence identification No. Anotherize may 18. Soul number (s) 18. Tare (bg) 19. Total groon number (s) 18. Tare (bg) 20. The confidence identification No. Anotherize may be a packed and the confidence identification of the confidence identification of the confidence identification of the confidence identification in th

CONTENTS

Dangerous goods notification message

Message Type : IFTDGN

Contr. Agency: UN

: 14A

Version Release

Revision

INTRODUCTION

SCOPE

SOURCE: TBG3 Transport

.1 Functional definition

1.2 Field of application

1.3 Principles

" See 5.4.2

6. Consigne

. REFERENCES



Traders

Logistics companies

National regulatory agencies

Sectoral organizations (UNECE, ICAO, IMO, CIT, OSJD, IRU, IATA, etc.) Regional organizations (EU, EAEU, TRACECA, GUAM, BSEC, CAREC)

UN/CEFACT data reference models and standards (for multimodal transport)



Thank you!

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