# UN/CEFACT and WP.30: Exploring Synergies and Complementarity in Trade Facilitation

Working Party on Customs Questions affecting Transport - Palais des Nations – 7 Feb 2024

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# Agenda

- 1. UN/CEFACT Mandate and Objectives
- 2. UN/CEFACT Focus
- 3. UN/CEFACT Deliverables
- 4. UN/CEFACT Collaborative Standards Harmonization
- 5. How regulations shape UN/CEFACT standards
- 6. Exploring Synergies and Complementarity in Trade Facilitation



#### MANDATE

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to develop and facilitate the use of global standards for electronic business, trade facilitation, and related areas.

#### **OBJECTIVES**

enhance international trade efficiency and effectiveness

contribute to the advancement of the Sustainable Development Goals



Development of Standards Harmonization & Capacity Advocacy for Building Best Practices

Collaboration & Cooperation



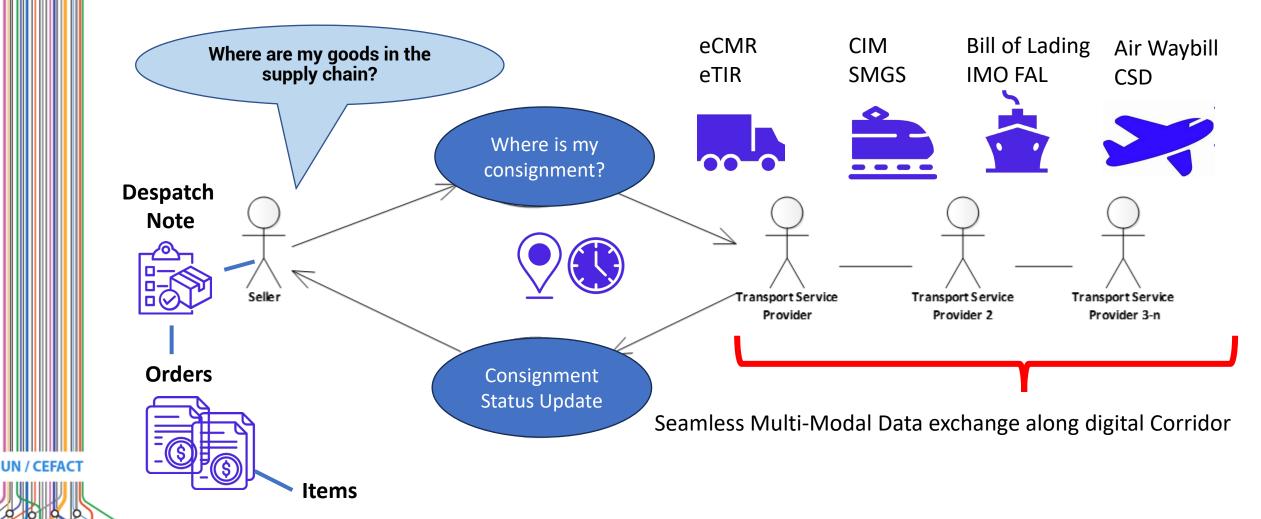
## UN/CEFACT Focus: Develop Data Exchange Standards

- To streamline documentation processes through digitalization, reducing paperwork and administrative burdens. (e.g, Bill of lading, Invoice, Certificate of origin, packing list).
- To enhance traceability in supply chains for sustainable production and consumption practices.
- To mitigate and improved risk management and resilience, ensuring business continuity.
- To support green circularity from sourcing to distribution: reuse, recycling, and responsible material disposal.
- To enable measuring, comparing, and reducing carbon emissions throughout the supply chain.





# UN/CEFACT Focus: Semantic Standards Bridging Multimodal Transport







# UN/CEFACT Focus: Semantic Standards Bridging Trade & Transport Views

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The disconnect between trade and transport data for the goods being transported using different modes of transport. e.g., Tracing the goods offer evidences of the place of origin of the products supporting ESG goals.



Stakeholders involved in trade and transportation of goods use terms and definitions in different ways. e.g., consignments versus trade deliveries (trade shipments)

# **UN/CEFACT Focus: Semantic Anchors**

#### **Shipment (Trade Delivery)**

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A shipment is an identifiable collection of one or more Trade Items (available to be) transported together from the Seller (Original Consignor/Shipper) to the Buyer (Final/Ultimate Consignee):

A Shipment can only be destined for one Buyer

A Shipment can be made up of some or all Trade Items from one or more Sales Orders

A Shipment can have only one Customs UCR

A shipment may form part or all of a Consignment or may be transported in different Consignments.

#### Consignment

A consignment is a separately identifiable collection of Consignment Items (available to be) transported from one Consignor to one Consignee via one or more modes of transport as specified in one single transport service contractual document:

A Consignment can only have one Transport Service Buyer

A Consignment can only have one Transport Service Provider

A Consignment can only have one Consignor

A Consignment can only have one Consignee

The Transport Service Buyer can be either the Consignor or the Consignee

A Consignment is made up of **one or more Consignment Items** 

A Consignment can be made up of some or all Trade Items (aggregated into Consignment Items) from one or more Shipments



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## UN/CEFACT Focus: Data Exchange Standards Supporting ESG goals



Visibility of transport assets Smart Containers project





Visibility of goods/products being multi-modal transported from seller to buyer Cross Industry Supply Chain T&T UN/CEFACT project

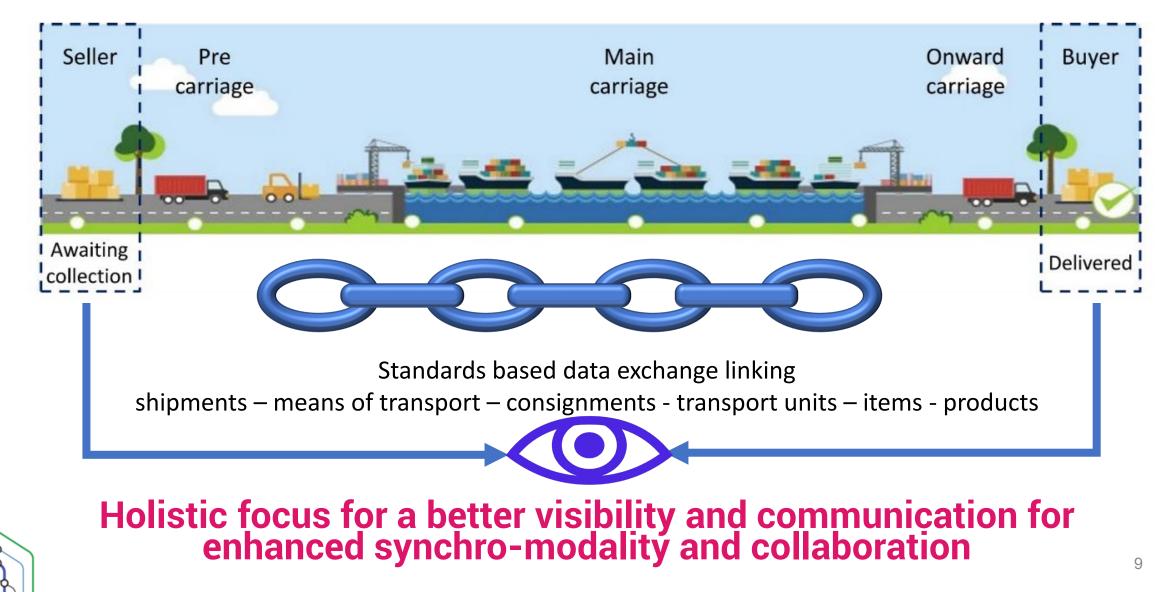




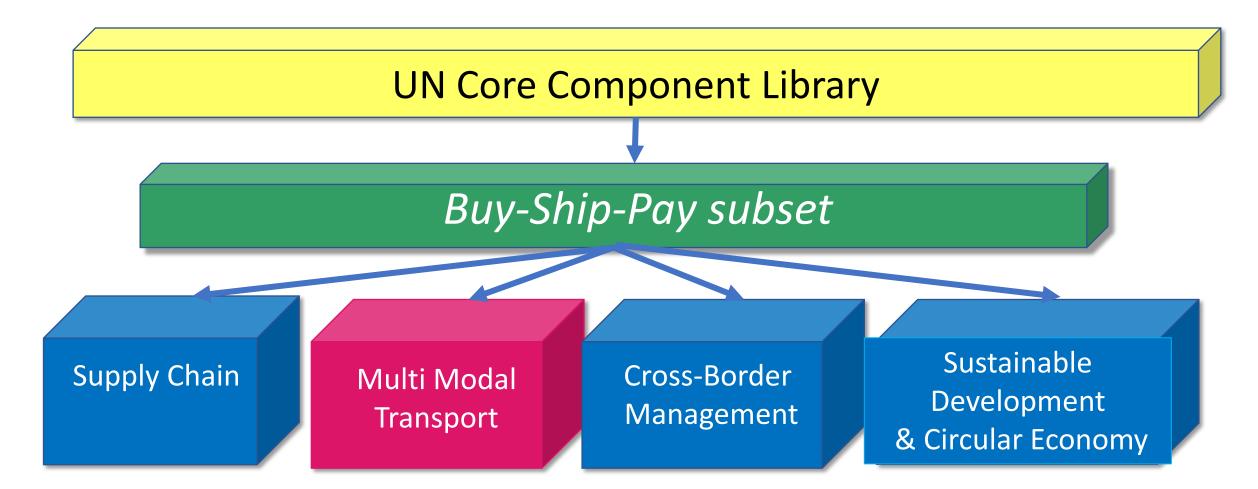
Visibility of the ESG conditions under which products were made, and where they were made (especially raw materials). e.g., working conditions, use of chemicals. Sustainable textile and leather traceability and transparency project Product Sustainability Data becomes vital (e.g., EU DPP)

# UN/CEFACT Focus: Unifying Global, Cross-Industry, Cross-Border & Multimodal Supply Chains

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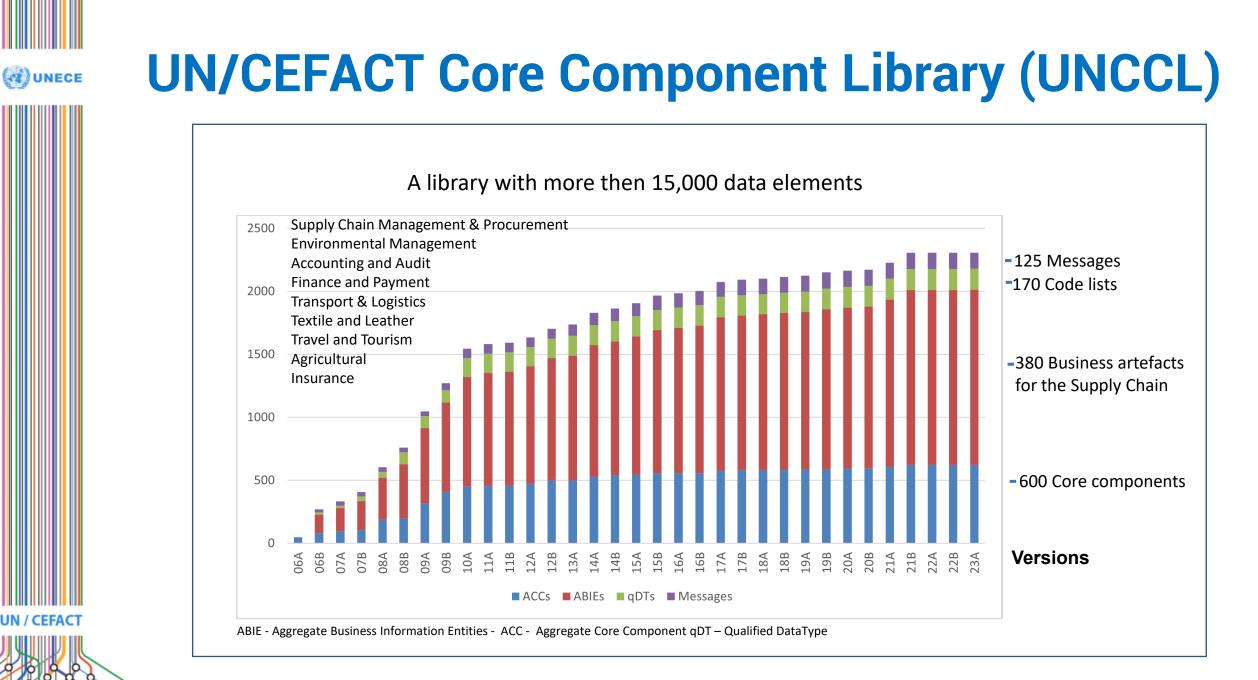
## **UN/CEFACT Delivreables: Data Exchange Standards**





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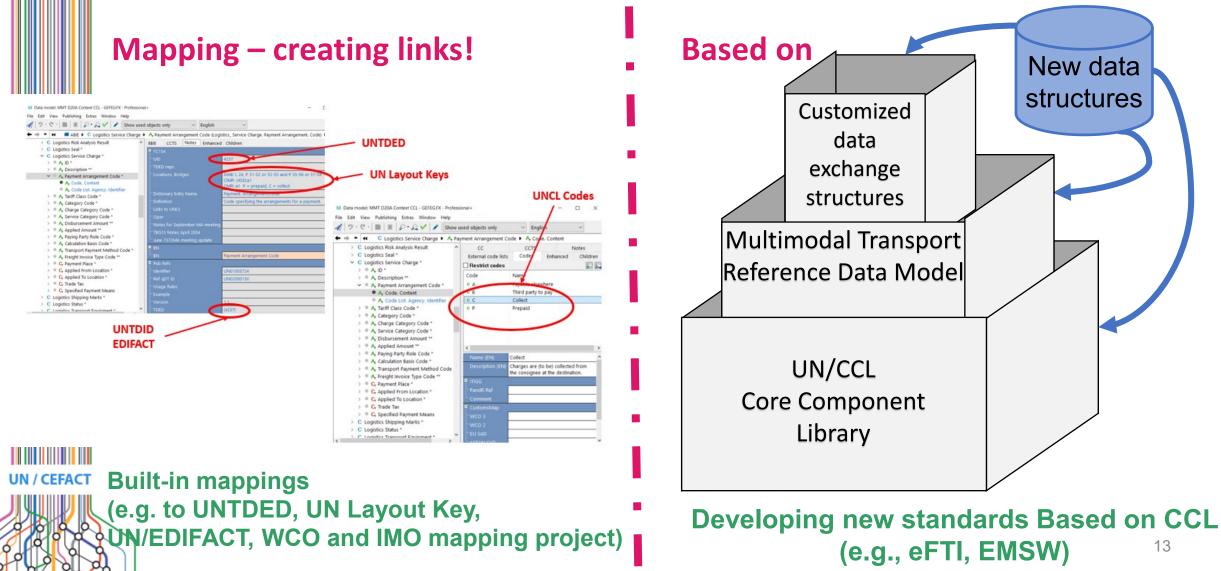
UNECE		<b>UN/CEFACT eBusiness</b>	Stand	ards Deliv	rebles
	1	REFERENCE DATA MODELS			
UN / CEFACT	2	DESIGNED FOR CROSS INDUSTRY USE	BRS : Business Re		
	3	GLOBAL SCOPE		Requirements	BRS
	4	FOR SME & LARGE ENTERPRISES			
	5	BASED ON MERITS OF OTHER STANDARDS		Semantics	SDCE/ESG
	6	SUPPORTS TRACEABILITY			
	7	SUPPORTS TRANSPARENCY		Syntax	XML JSON
	8	STANDARDIZED DATA STRUCTURES			
	9	STANDARDIZED CODE LISTS		equirement Specification le Development and Circular Econoi	my Reference Data A
	10	TECHNOLOGY INDEPENDENT		ntax formats of the data exchange st	





### **UN/CEFACT: Collaborative Standards** Harmonization

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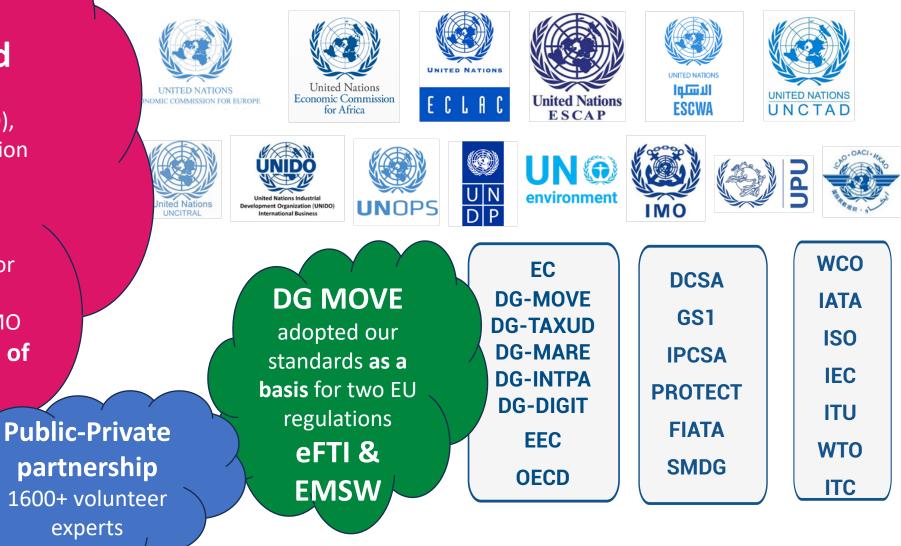
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## UN/CEFACT: Collaborative Standards Harmonization

#### Partnership Agreement signed

between the International Maritime Organization (IMO), the World Customs Organization (WCO), the United Nations Economic Commission for Europe (UNECE) and the International Organization for Standardization (ISO) to harmonize data model for IMO Convention on Facilitation of International Maritime Traffic (FAL)







### IMO, WCO, ISO, & UNECE partnership Agreement IMO FAL Compendium Mapping Project

#### **Partnership Agreement signed**

To develop harmonized IMO Compendium for the electronic exchange of information related to the FAL Convention: the World Customs Organization (WCO), the United Nations Economic Commission for Europe (UNECE) and International Organization for Standardization (ISO).

#### Mapping as a harmonization instrument

UN/CEFACT commited to a long-term project to provide an implementation data exchange specification standard mapped to the IMO FAL Compendium Reference Model to:

- Support port call operations
- Maritime Single Windows
- Complement harmoniously with other modal transport data required in port operations road, rail and barge

We also maintain and publish UN/CEFACT Cross Border Supply Chain data Mappings to the WCO data model



# **Cross-Border Management RDM Project**

To provide a Regulatory Reference Data Model **based on** the UN/CEFACT Buy/Ship/Pay Reference Data Model to:

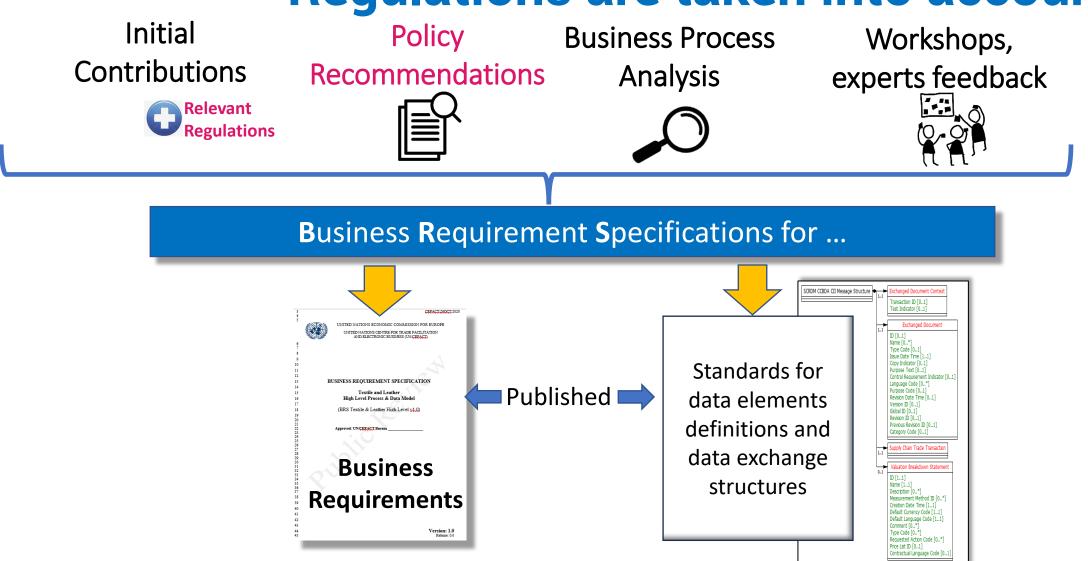
- Assist cross-border agencies to link international supply chain B2B data to national or regional cross-border management data requirements
- Support pipeline data submission from trusted traders
- Complement harmoniously the existing RDMs for trade and transport
- Mapped to WCO data model

### Considering:

- **Trading Partner Collaboration**
- Data Harmonization and Rationalization
- Alignment to Cross-Border Agency Regulations and Standards Semantic Mappings B2B  $\Leftrightarrow$  B2G  $\Leftrightarrow$  G2B  $\Leftrightarrow$  G2G



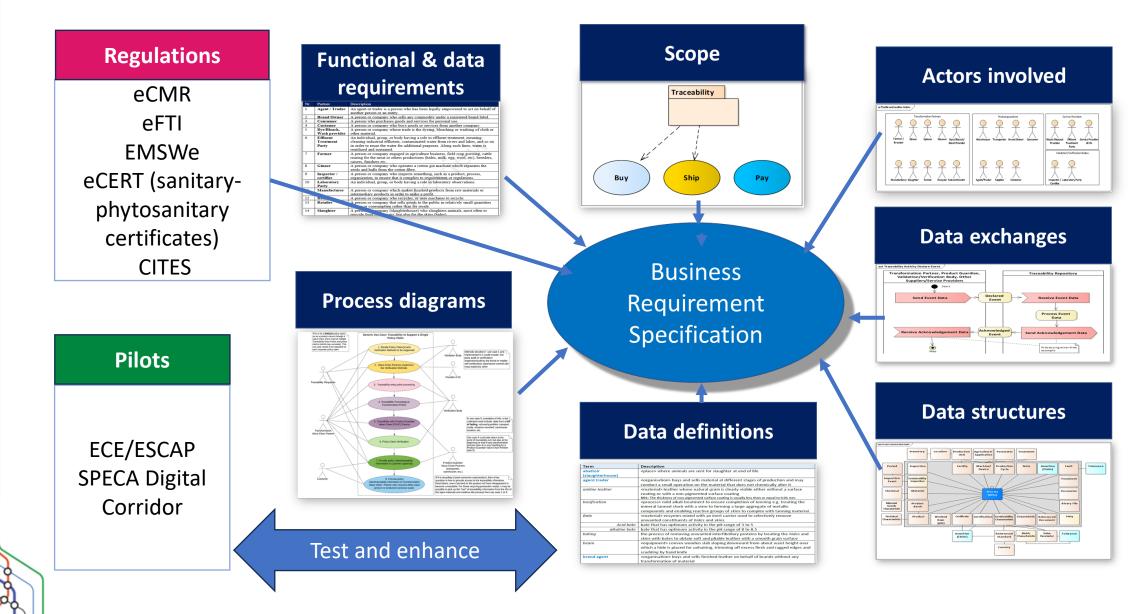
# **Regulations are taken into account**



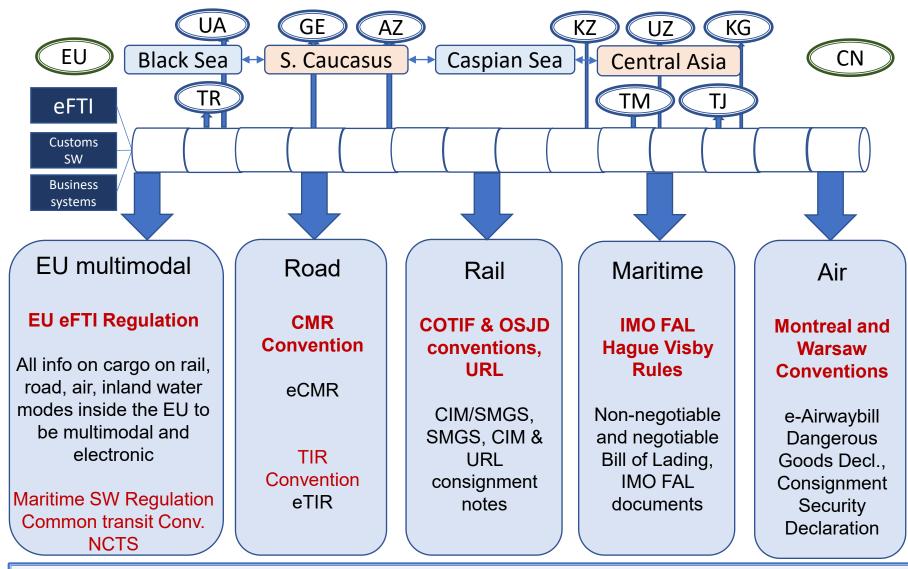


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# **Regulations are translated into requirements**



# **Digitalization of the Trans-Caspian Corridor**



Alignment of data in the modal dangerous goods declarations to the UN/CEFACT MMT RDM.

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### **Complementarity of WP 30 and UN/CEFACT relationship**



We define data models to establish the necessary data exchange structures, supporting the implementation and interoperability of conventions.



We are addressing the issue of fragmented digitalization efforts in the international supply chain; our differentiator lies in establishing a seamless multimodal supply chain grounded in UN standards.



You are developing conventions and normative work for inland transport, serving as the custodian of UN legal instruments.



UN / CEFACT

Cultivating synergies to advance UN SDGs, our roles intersect seamlessly: Your normative work necessitates the utilization of data models for smooth implementation and interoperability. Drawing upon the UN multimodal data model ensures a harmonized approach across various UN legal instruments, guaranteeing consistency and coherence in our collaborative endeavors