

UNTDED/ISO7372 Review Kick off

UNTDED Review for Trade Processes simplification and sustainable green transformation

Wednesday, 25 October 2023

ISO TC154 Plenary

Project Lead on behalf on UNECE
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UN / CEFAC



Organizations using the UNTDED

- CIT** INTERNATIONAL RAILWAY TRANSPORT COMMITTEE
- FIATA** INTERNATIONAL FEDERATION OF FREIGHT FORWARDERS ASSOCIATIONS
- IATA** INTERNATIONAL AIR TRANSPORT ASSOCIATION
- ICC** INTERNATIONAL CHAMBER OF COMMERCE
- ICS** INTERNATIONAL CHAMBER OF SHIPPING
- IMO** INTERNATIONAL MARITIME ORGANIZATION
- IRU** INTERNATIONAL ROAD TRANSPORT UNION
- OASIS** ORGANIZATION FOR THE ADVANCEMENT OF STRUCTURED INFORMATION STANDARDS
- UIC** INTERNATIONAL UNION OF RAILWAYS
- UNCTAD** UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT
- UPU** UNIVERSAL POSTAL UNION
- WCO** WORLD CUSTOMS ORGANIZATION
- ISO** INTERNATIONAL ORGANIZATION FOR STANDARDIZATION



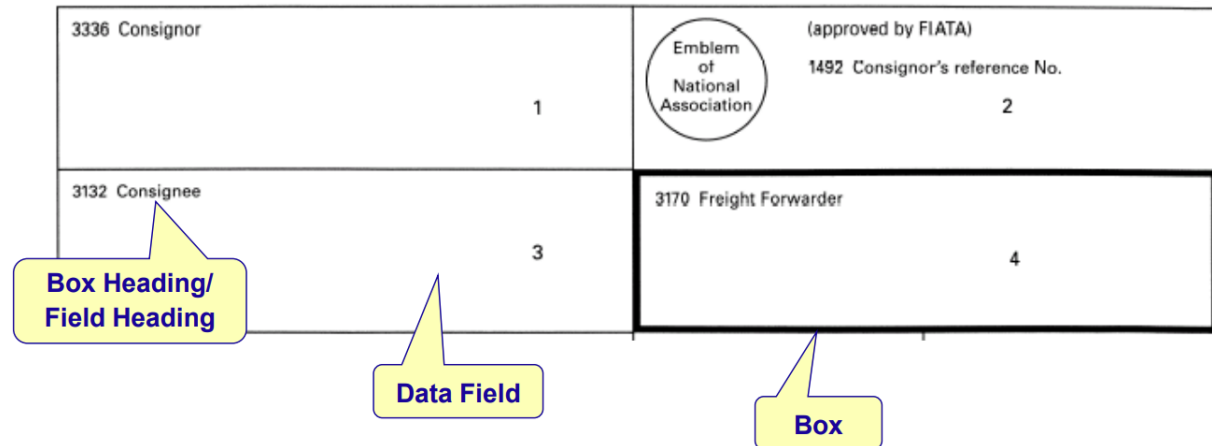


United Nations Trade Data Element Directory UNTDED - ISO 7372

- An internationally accepted standard *repository for the semantic of trade data elements* used in international trade.
- A method to describe information requirements from business perspective (*a non-technical description of trade information*).
- The definition is *syntax-neutral* and provides the *basis for automation of document* for paperless trade.
- Defining the data content in terms of the UNTDED makes different trade documents (each data element/field) become directly comparable, which helps identify duplication and reduce the number of documents to the strict minimum.

UNTDDED - ISO 7372 for trade simplification

- Global trade takes places in multi-lingual environment, touches many different legislations and involve many independent parties and uses multiple trade documents (in paper but in electronic formats as well)
 - UN/EDIFACT 1001 Document name code has almost 1000 codes for the different trade documents
- UNTDED is an important standards for simplification of paper-based trade documents and the data model used for design of electronic trade documents
- UNTDED links data elements to **UNECE Layout Key (UNLK)** that follow box design principle (grouping data into boxes that have box heading and data filed) and enhance reusability of data



Example: The Sea Waybill form with boxes numbered

Consignor (name, address, tax reference) 01	Shipper's reference 02a	Bill of lading number 02b
	Forwarder's reference 02c	
	Unique consignment reference 02d	
Consignee (name, address, tax reference)	Carrier (name, address, tax reference)	

Box Completion Guidelines for Box 01 (Consignor) and Box 02a (Consignor's reference)

Box 01: Consignor (name, address, Tax Scheme)

UNEDD tag	Data element name	Data element description	Directions for completing the box	Usage
3336	Consignor. Identification.Text	Name of the party consigning the goods as stipulated in the contract by the party ordering the transport	Enter the name and address of the party consigning the goods; this may be the exporter or seller	Mandatory. Repr an..256
3446	Party. Tax.Identifier.	To identify a number assigned to a party by a tax authority	If the company is registered for VAT enter the relevant VAT number for EC supplies only. The number should be prefixed with the country code for the state e.g. GB is the code for United Kingdom	Mandatory if registered for VAT Repr: an..20

Box 02a: Consignor's reference

UNEDD tag	Data element name	Data element description	Directions for completing the box	Usage
1140	Consignment. Consignor Assigned Identification Identifier.	Reference number assigned by the consignor to a particular consignment	Enter the consignor's number used to reference this consignment	Recommended. Repr: an..35



How does UNTDED work?

- Each UNTDED element consists of a data element tag in the form of a four-digit number, a name (informative) and a description (definition).
- The data element may have a reference to a UN recommended code list.
- For document (or data subsets) alignment, the tag shall be used when defining a data set equivalent of a given trade document.
- The UNTDED contains additional fields such as dictionary entry name for core component libraries so as to integrate the requirements of electronic business and paperless trade.

TDED 3404 Person name
Family name and given names of an individual.

Grouping used in the Trade Data Element Directory (TDED)

- Group 1: (0001-1699)** Documentation, references
- Group 2: (2000-2699)** Dates, times, periods of time
- Group 3: (3000-3699)** Parties, addresses, places, countries
- Group 4: (4000-4699)** Clauses, conditions, terms, instructions
- Group 5: (5000-5699)** Amounts, charges, percentages
- Group 6: (6000-6699)** Measures, identifiers, quantities (other than monetary)
- Group 7: (7000-7699)** Goods and articles: descriptions and identifiers
- Group 8: (8000-8699)** Transport modes, means, and equipments
- Group 9: (9000-9799)** Other data elements (Customs, etc.)

UNTDED 2005

Change indic.	Tag UID	New Name	Description	repr.	Old name	Business Term	Notes	Locations, Bridges
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]
cnd	1000	Document. Type Name.Text	Free text name of a document such as 'Proforma invoice', 'Commercial invoice'.	an..35	Document/mess age name	Document/ message name		UNLK: L 02, P 45-80 MAR: IMO/FAL 1-7
cndr	1001	Document. Type.Code	Code specifying the name of a document such as 352 for proforma invoice, 380 for commercial invoice.	an..3	Document/mess age name, coded	Document/ message name code		UNLK: L 04, P 41-45 CIMP: (120): a1 SAD: (SAD 1(first to third subdivision))
x	1002	.			Message name		DE to use instead - 1000	



Importance of UNTDED Tag for trade simplification

The common definition of data in an aligned form using UNTDED allows the exchange of data between trade documents

70% of all information in trade documents is shared

	UNTDED tag	Sea	Rail	Road	Air	Post	Mult
Consignee	3132	X	X	X	X	X	X
Notify address	3180	X					X
Shipping marks; container number	7102	X					X
Number of packages	7224	X	X	X		X	X
Type of packages	7064	X	X	X		X	X
Description of goods	7002	X	X	X	X	X	X
Gross weight	6292	X	X	X	X	X	X
Place of issue	3420	X	X	X	X		X
Document date	2416	X	X	X	X		
Authentication	4426	X	X	X	X		X

UN/CEFACT for trade processes simplification and sustainable green transformation

- “Paperless trade” does not mean that “documents” is a bad word → We still have to focus on “trade documents” and we have a need to define the data subsets that equivalent to a given document for legal purposes (e.g., eBL). This will accelerate going 100% paperless adoption.
- Beyond documents, increased collaborations and interactions are taking place among the different actors with the aim to achieve more visibility of the supply chains and support better decision-making processes resulting in redesigning the trade processes
- We did work in UN/CEFACT on these concepts : digital twins, IoT, situational awareness (e.g., UN/CEFACT Data pipelines, UN/CEFACT Smart Containers, etc.)
- Increased work in UN/CEFACT focusing on green digitalization, sustainability and toward supporting ESG goals

UNTDDED beyond trade documents to support ESG goals



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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

UN/CEFACT Parcel goods traceability in last-mile delivery



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

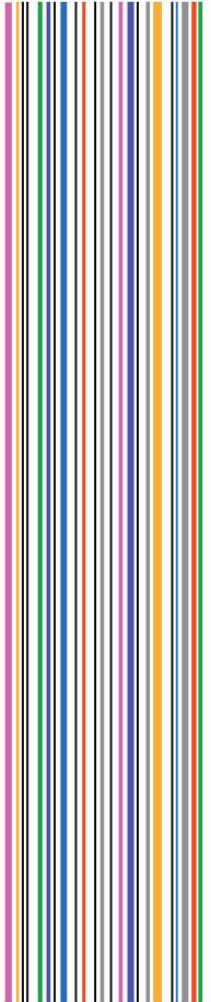
Product Sustainability Data becomes vital (e.g., EU DPP)

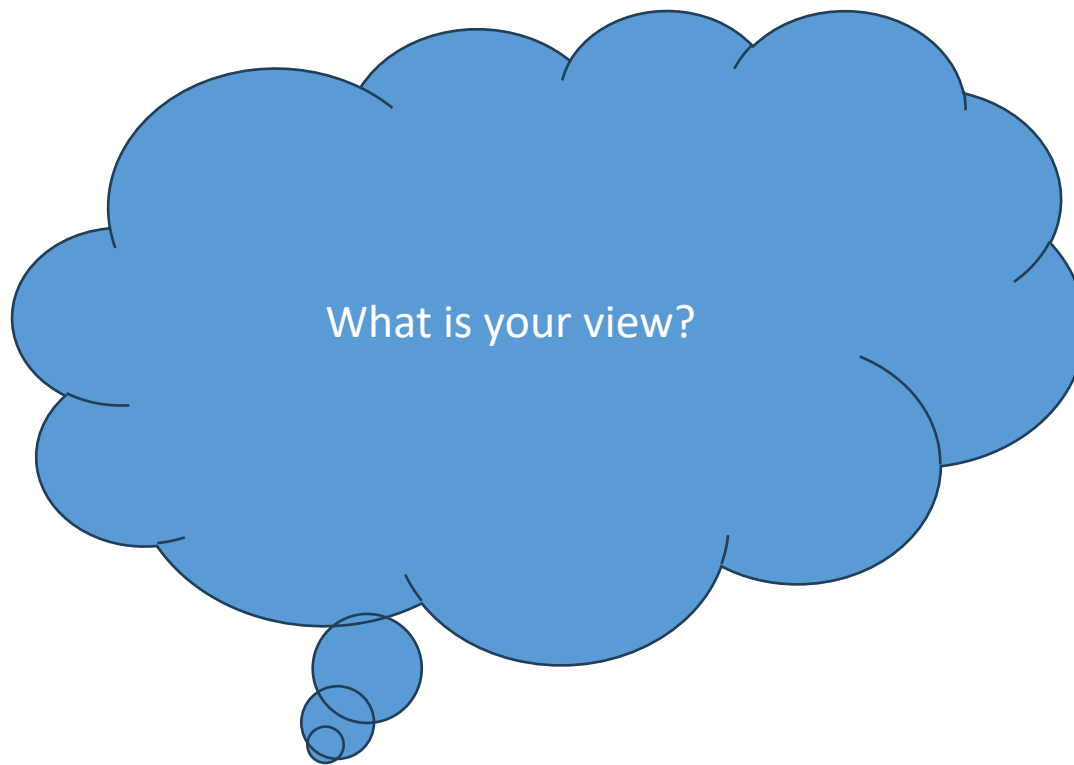
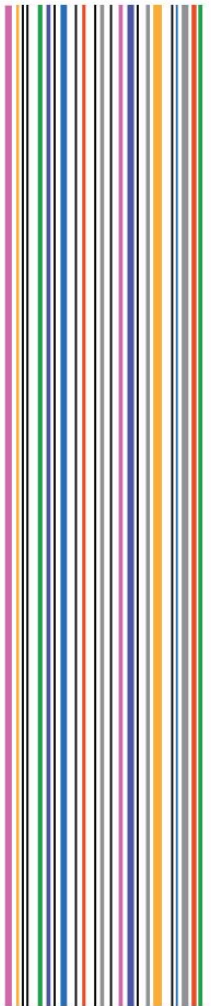


UNTDED Update the way forward

To review the current version of UNTDED

- We need volunteers!
- We invite submission of Data Maintenance Requests (DMR) for consideration in the new version
- We will plan regular calls and hybrid meetings when needed
- We need to aim for completeness and add all additional terms needed for trade documents and processes.
- We need to align with the current version of UN/EDIFACT and UNCCCL -> key input to the ISO7273/UNTDED







Thank you

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