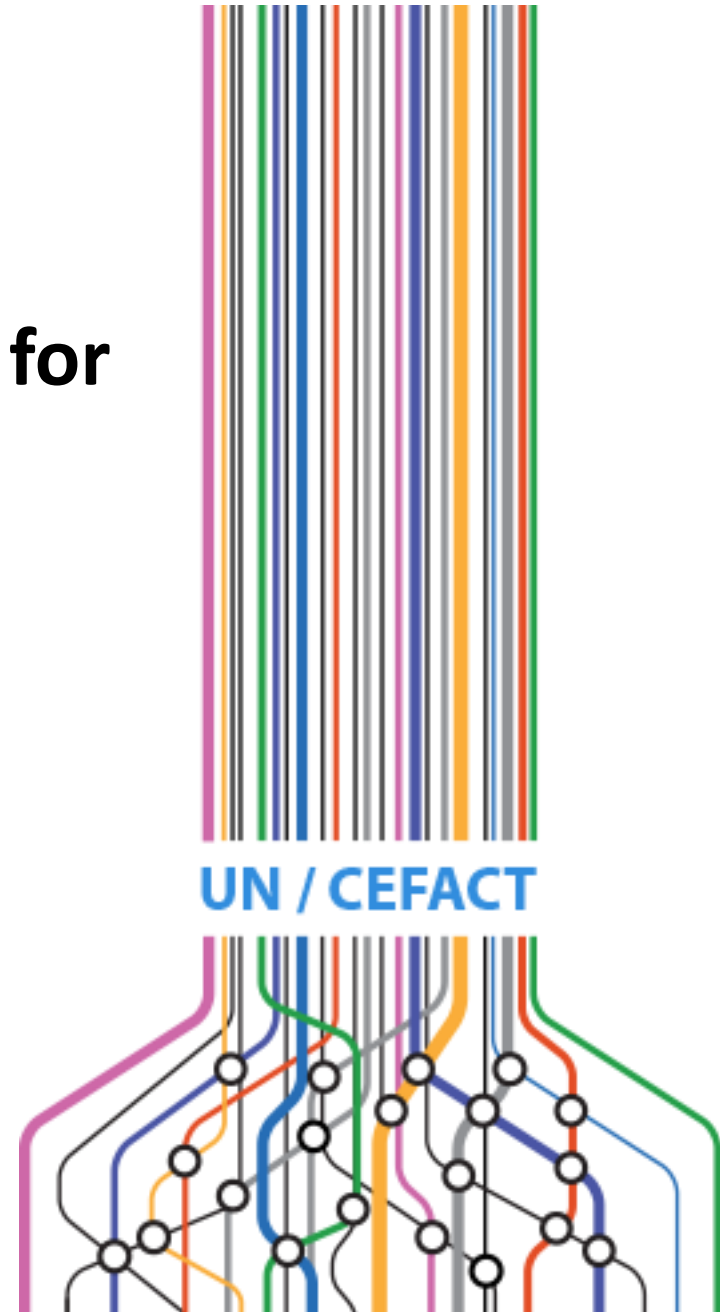


UN/CEFACT Tools and Standards for Traceability of Value Chains

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UN/CEFACT

Objectives

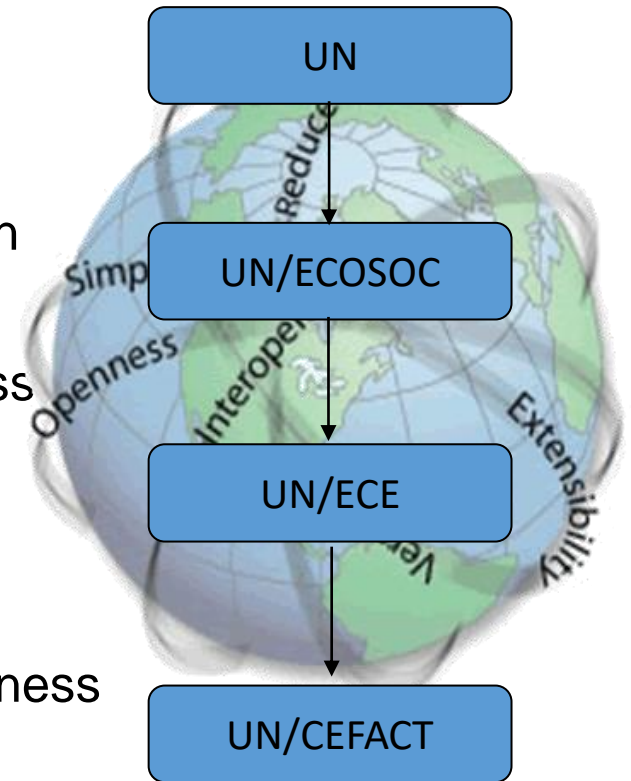
- Simple, transparent and effective processes for global business
- Efficient and automated exchange of information

Outputs

- Global Trade Facilitation and Electronic Business Recommendations and Standards

Means

- Public Private Sector Partnership
 - over **1000** experts from government and business
- Experts meet via internet every week plus two Forums per year



Global Remit

Cooperation / Collaboration



EEC

EU
DG-MOVE
DG-TAXUD
DG-MARE
DG-DEVCO
DG-DIGIT
...

ISO
IEC
ITU
WTO
ITC
IATA
WCO
OECD

GS1
IPCSA
PROTECT
FIATA
SMDG
...

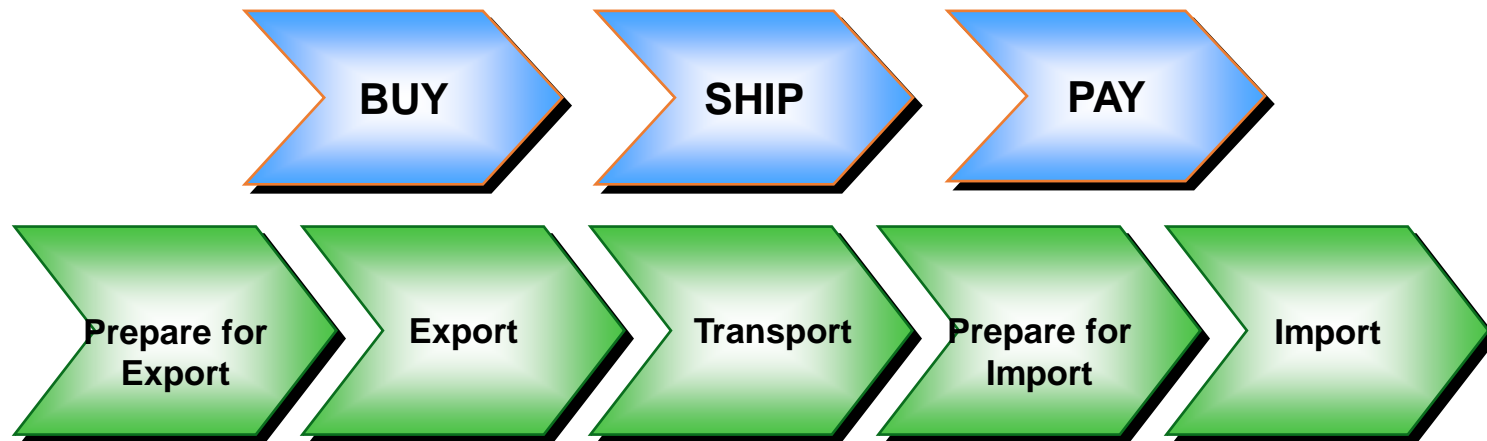
UN/CEFACT Key Outputs which are Global, Cross Industry and Multimodal

- Internationally developed and agreed Trade Facilitation Recommendations
- Internationally developed and agreed Business Standards
- UNTDED (ISO 7372) & UN Layout Key
- Buy/Ship/Pay Reference Data Models – developed based on 20 years contributions from 200+ supply chain experts
- Continually Maintained Libraries
 - UN Core Component Library (CCL)
 - UN/EDIFACT directories
 - UN/XML Schemas
 - Globally applicable Code Sets (UNCL)

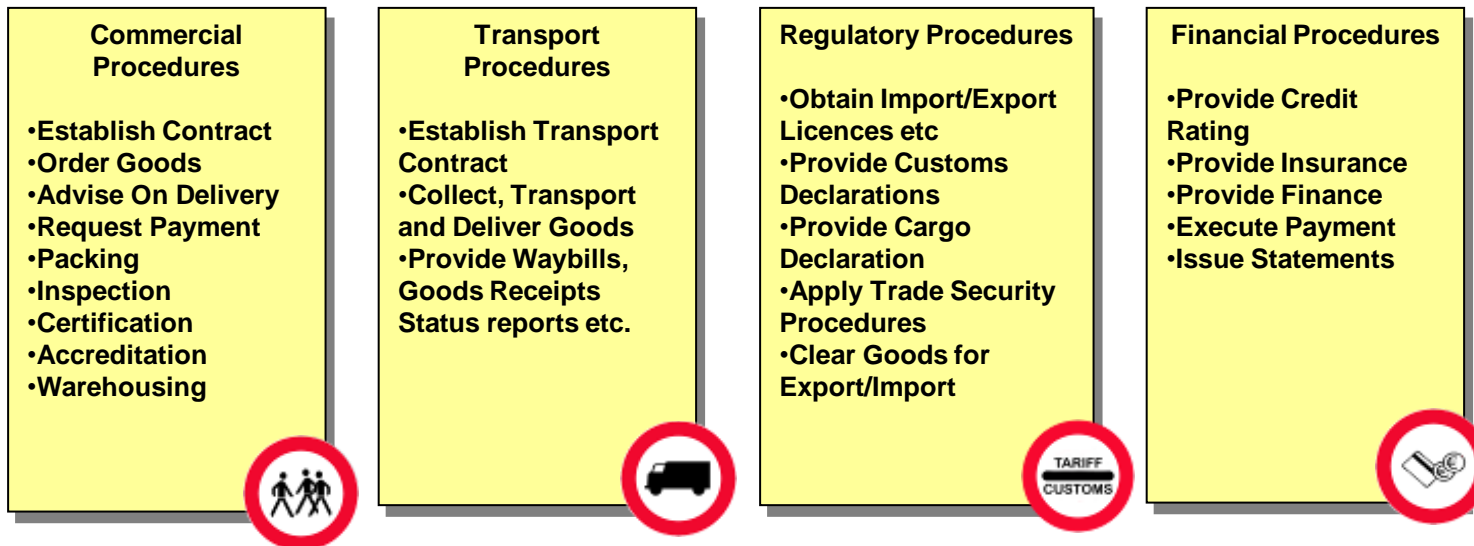
UN/CEFACT International Supply Chain Process Model



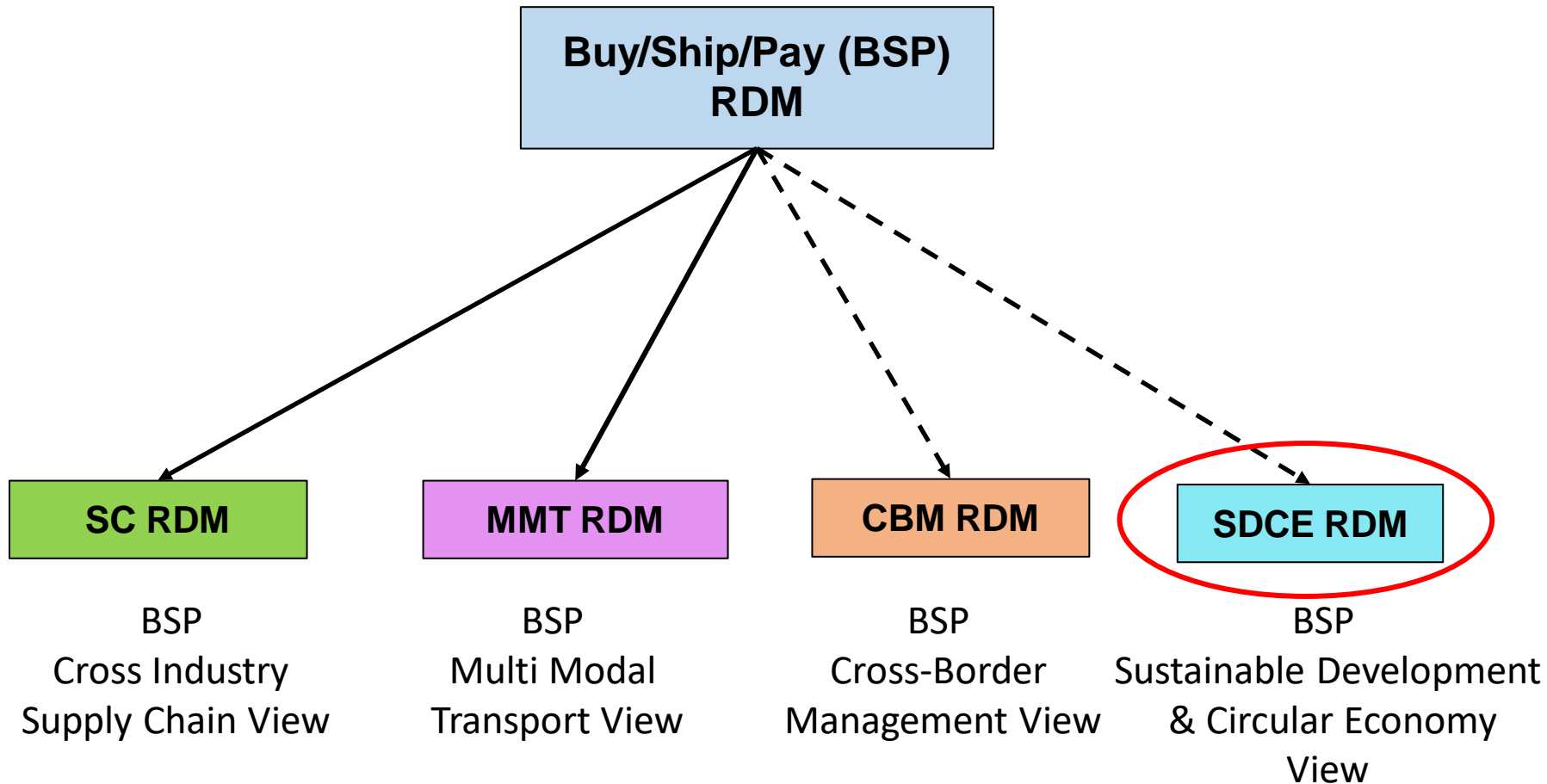
UN / CEFACT



INVOLVES



UN/CEFACT International Supply Chain Reference Data Model Family



Areas of Traceability for Sustainability and Circular Economy

- **Logistics** tracking of a logistics asset (pallet, container, box, etc.), to know where it is in the cross-border supply chain
- **Policy compliance** of regulated products, to ensure that all relevant regulations (economic, social or other) have been respected, especially when crossing borders
- **Technical visibility** of all data exchanges, to ensure that the information has not been compromised or changed

Policy compliance traceability

UN/CEFACT work in progress in this area

- Sustainable Textile and Leather Traceability and Transparency Project
- Sustainability and Circular Economy Reference Data Model

Other UN/CEFACT deliverables in this area

- Fisheries Language for Universal eXchange (UN/FLUX)
- Electronic SPS Certificate (eCERT)
- Animal Traceability
- Traceability of Primary Natural Products
- Electronic Animal Passport

Policy compliance traceability

Key concepts

- Enhance visibility and transparency in value chains
- Ensure regulated products conform with policy requirements, such as:
 - Conformance with applicable laws and regulations
 - Ensure product quality and safety
 - Combat counterfeits
 - Protect cultural and industrial heritage
 - No human rights violations
 - No adverse environmental effects
 - No human health hazards
 - Verification of origin
- Ensure regulated products have conformed with sustainability and circularity requirements

Technical visibility

UN/CEFACT deliverables in this area

- UNECE Recommendation 14: Authentication of Trade Documents
- White Paper Overview of Blockchain for Trade
- White Paper on Technical Application of Blockchain to UN/CEFACT Deliverables

UN/CEFACT work in progress in this area

- UN/CEFACT Block Chain project
- Digital ID for Trade Facilitation project
- Cross-border Inter-ledger exchange of Preferential Certificates of Origin and verifiable credentials

Logistics traceability

UN/CEFACT deliverables in this area

- Smart Container eBusiness Standard
- Data Pipeline eBusiness Standard
- Multi-Modal Transport Reference Data Model

UN/CEFACT work in progress in this area

- Cross-Industry Supply Chain Track and Trace project
- Cross Border Management Reference Data Model

UNTTC

Transport & Trade Connectivity in the age of pandemics

- UNDA 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:**
 - Cross-modal project to develop modal guides on reuse of the UN/CEFACT MMT Reference Data Model to support digitised data exchanges between transport modes

Alignment of Modal Specific Consignment Notes



✓ Maritime



✓ Air



✓ Road



✓ Rail



✓ Inland Waterway



Call to Action for Improved Digitalization Through the Use of UN/CEFACT Standards

- Goals of the Call to Action
 - To increase the interoperability in the sectors of trade facilitation and e-business
 - To provide visibility on the use of UN/CEFACT standards, and allow partners to find each other.
 - To enhance the relevance, impact and reputation of the work performed by UN/CEFACT
- Addressees
 - Member States' governments
 - National public administrations
 - International organizations
 - The business community and economic operators engaged in the supply chain
- Functioning
 - Organization registers a commitment for the Call. This includes information about deliverables to be used, goals to be achieved, relation to SDGs, time frame
 - Commitments will be posted to the UN/CEFACT webpage and available publicly
 - Currently studying other communication possibilities such as a specialized logo

<https://unece.org/trade/uncefact/CallToAction-Digitalization>

Thank You

- 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

For further information:

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