Data Harmonisation for Single Windows, with the WCO Data Model and the UN/CEFACT Multi Modal Transport Model (MMT)

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Tayfun Mermer
GEFEG, Berlin

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Single Window and Data Harmonization

Implementing Single Window

UN/CEFACT Recommendation No. 33

Data Harmonization

Data is captured, collected and registered
Data is structured
Data redundancies are identified and eliminated

Benefits for Government

Ease of implementing policies, Accurate revenue collection, Eliminate repetitive data collection

Benefits for Trade

Cost Savings, Transparent Trade Policies, Effective & efficient deployment of resources
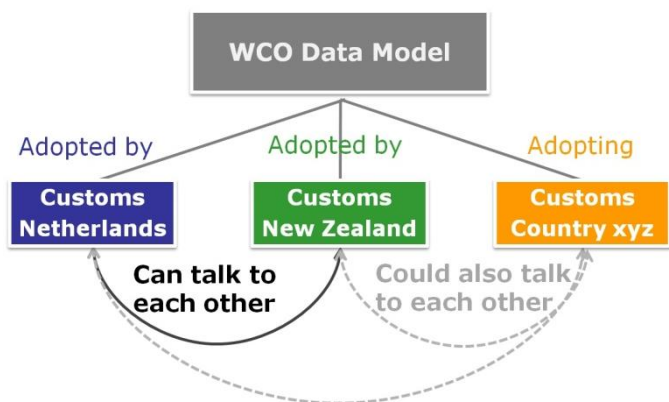
WCO Data Model

Global Language of Customs

- Describes customs and other cross border processes and documents globally
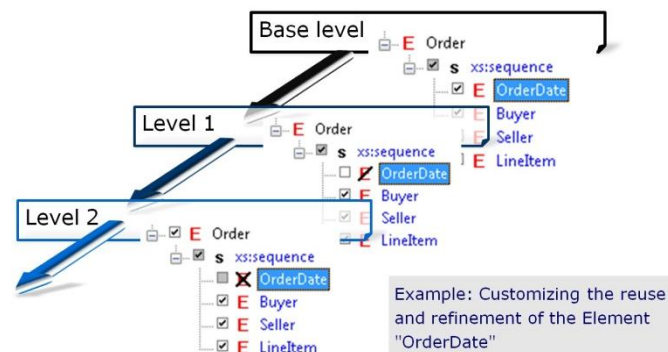- Adopted in over 40 (?) countries

WCO Data Model Components

- Process definitions and descriptions
- UML data model, EDIFACT and XML schemas and related mappings
- Information Packages
  - Declaration (incl. SAD)
  - CITES ePermit, eCOO, ePhyto, eCert, eTIR

Collaboration & Governance

Customisation Approach with Guide Technology

Example: Customizing the reuse and refinement of the Element "OrderDate"

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Multimodal Transport (MMT) Model

- Providing Exchange Syntax Neutral Reference Data Model for Supporting Domain Data Exchange Interoperability

- Supporting Cross-Border Regulatory Interfaces

- Providing mappings to/from UN/EDIFACT message implementations

- Providing mappings to Related Data Models such as the WCO Data Model

- Generating equivalent XML message schemas

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Interoperability between the WCO Data Model and MMT Model

WCO Data Model

WCO Library

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Information Packages

- The WCO DM and the MMT Model are based on the same semantic framework

- Common semantic allows interoperability between these models

- Harmonized and standardized semantic information for a Single Window environment

MMT Model

Subset of UN /CCL

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Generic Structure

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Sucess Factors

Governance

Interoperability

Collaboration

Economization

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Contact

Tayfun Mermer
Consulting & Sales
+49-30-979914-61
tayfun.mermer@gefeg.com

GEFEG mbH
Storkower Str. 207
10369 Berlin, Germany
www.gefeg.com
info@gefeg.com

Thank you for your attention.

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