

Juan Diego Chavarría

Technical Officer Procedure and Facilitation, Compliance and Facilitation World Customs Organization **Enhancing Regional Trade Facilitation through National Single Window: Pakistan's Experience**

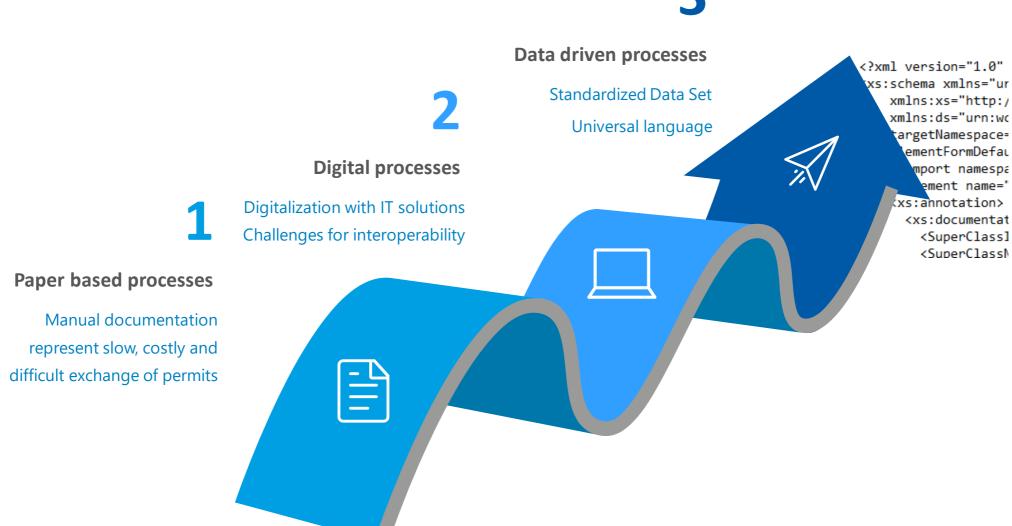
02 November 2023

Data driven processes

www.wcoomd.org

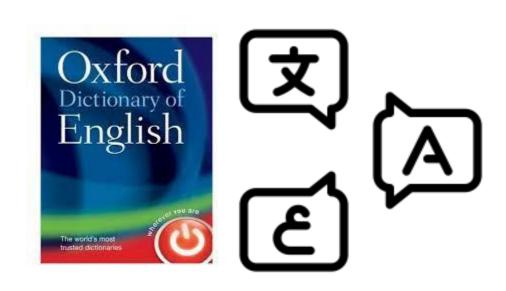


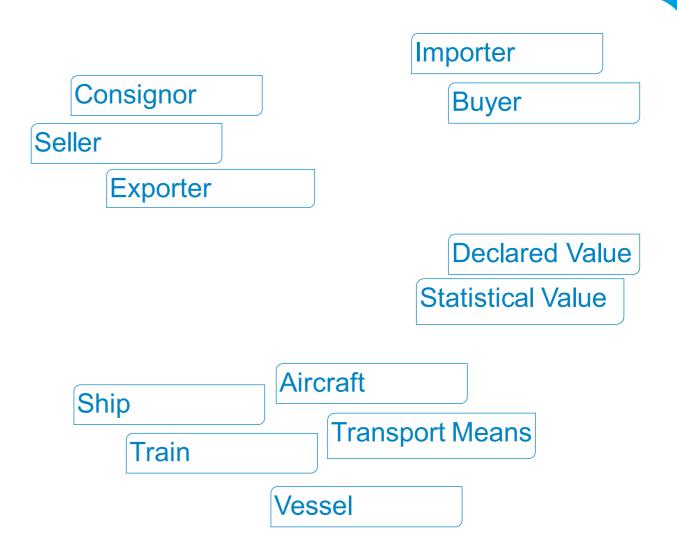
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WCO DM: Universal language for a seamless digital collaboration

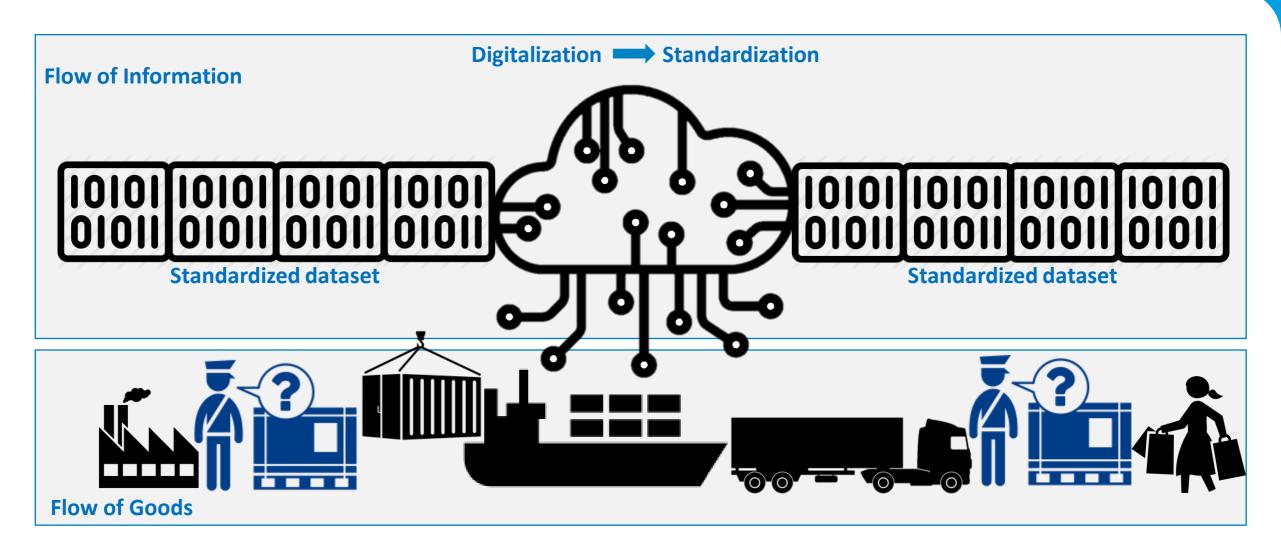






Streamlining flow of goods and flow of information



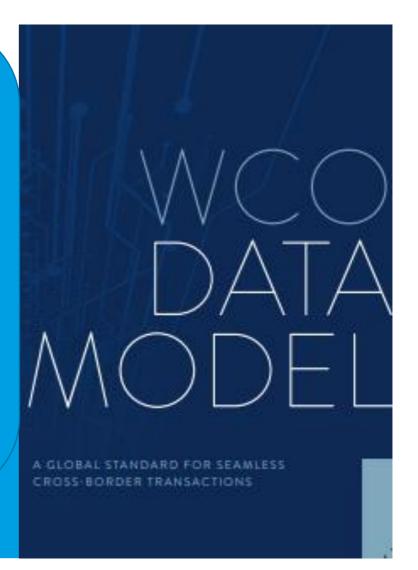


www.wcoomd.org WCO Data Model

WCO Data Model: A Blueprint for Interoperability



- The WCO Data Model (DM) is the data foundation for global trade interoperability;
- The WCO DM is a universal language for cross-border data exchange enabling the implementation of Single Window systems and fuelling Data Analytics;
- It is a compilation of clearly structured, harmonized, standardized, and reusable sets of data definitions and electronic messages designed to meet the operational and legal requirements of Customs and other cross-border regulatory agencies (CBRAs) responsible for border management.



www.wcoomd.org/DataModel

What is the WCO DM?



Supply-chain Information



WCO DM Library



Information Model



Attribute Name

Identification issuing country, code (R147)

To achieve a globally unique standardised TIN format for cross-border exchanges, add this separate 2-digit alpha numeric ISO Country Code attribute as a qualifier to the existing national identifier.

Role code ROO5

Code giving specific meaning to a party

Exporter, coded R032

To identify the party who makes, or on whose behalf the export declaration is made, and who is the owner of the goods or has similar rights of disposal over them at the time when the declaration is accepted

Exporter - name R031





Electronic Messages

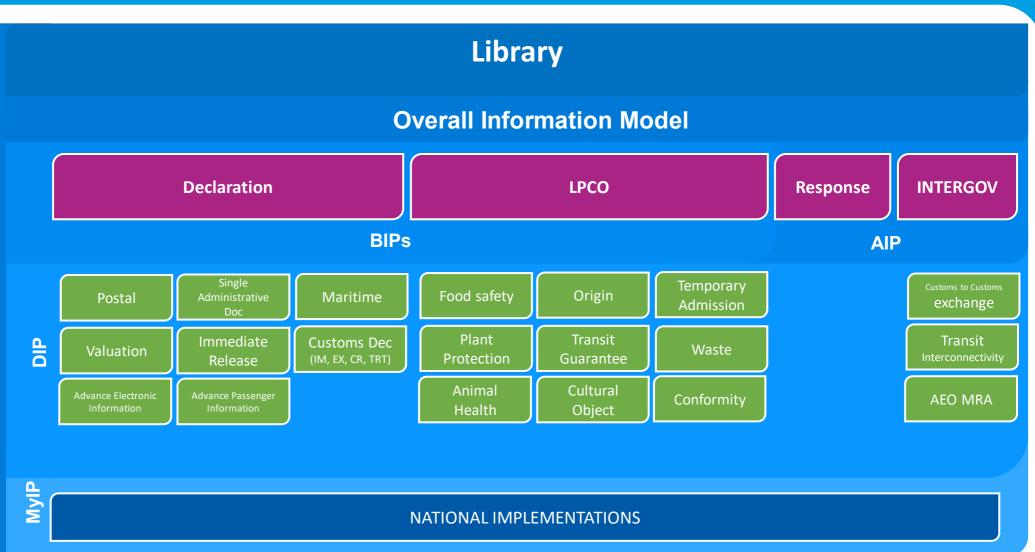
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   xmlns:ds="urn:wco:datamodel:WCO:AEI_DS:1"
   targetNamespace="urn:wco:datamodel:WCO:AEI:1"
   elementFormDefault="qualified">
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  <xs:element name="Declaration">
   <xs:annotation>
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Organizing the WCO DM: Information Package



Information Packages:

- WCO DM is a multipurpose regulatory data management framework;
- Information package is a tool to organize the subsets of the WCO DM based on their specific purposes
- An IP may have additional details related to the procedures it is implemented
- The basis to generate certain electronic messages / electronic messages' schemas.



Implementing the WCO DM - MyIP

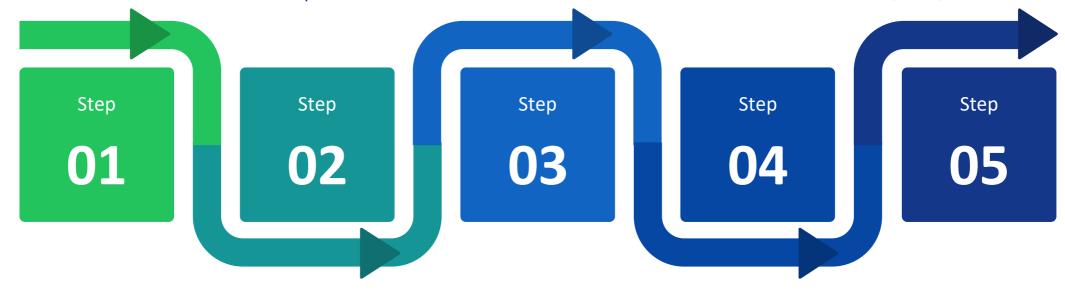




- Legal frameworks
- Existing Systems
 - Paper forms

Map national data requirements to the WCO DM

- Adjust national data requirements
 - Develop relevant ICT Systems
- Submit Data Maintenance Request (DMR)



Identify the processes for which the WCO DM would be implemented

Harmonize existing data requirements

Develop My Information Package (MyIP)

Data Model Projects Team (DMPT)



The WCO Data Model is managed by the DMPT

An open forum for WCO Member Administrations, IOs, IGOs, as well as private sector

Provides the maintenance mechanisms for work relating to the WCO DM

Establish and implement a Data Maintenance Request (DMR) process for the WCO DM

Changes to the WCO DM impacted by the DMR will be published as new version

Meets regularly 3-4 times a year

WCO DM - Version 4.0







Version 4.0

Version 4 keep the DM at the forefront by supporting cutting edge technologies and making vast improvements to the mode



Increasing the usage guidance and making it available in the DM App

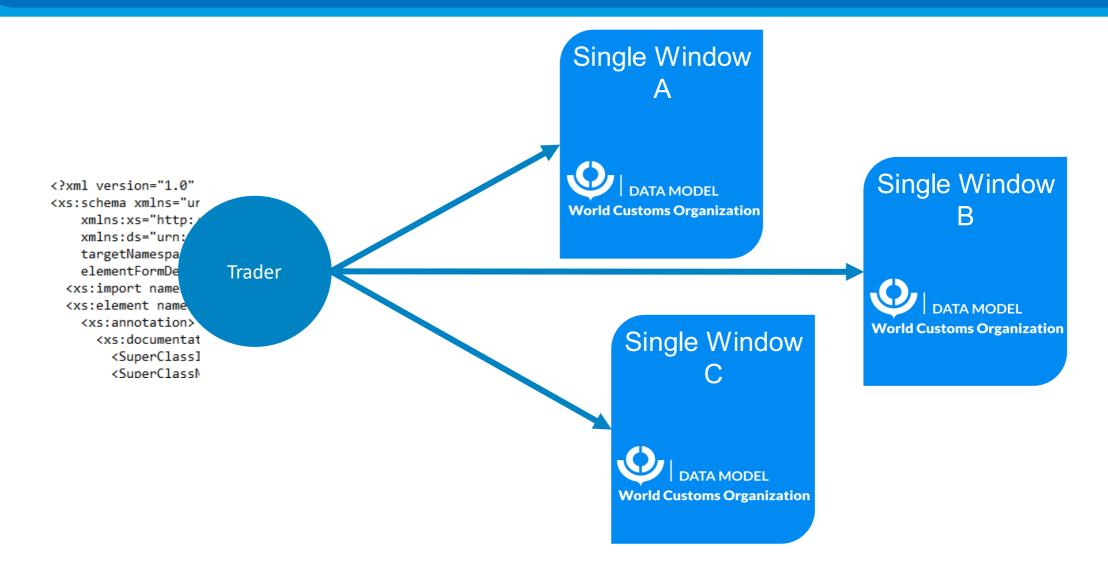


Support for modern technologies

Supporting the **JSON** message format and **Open API**.

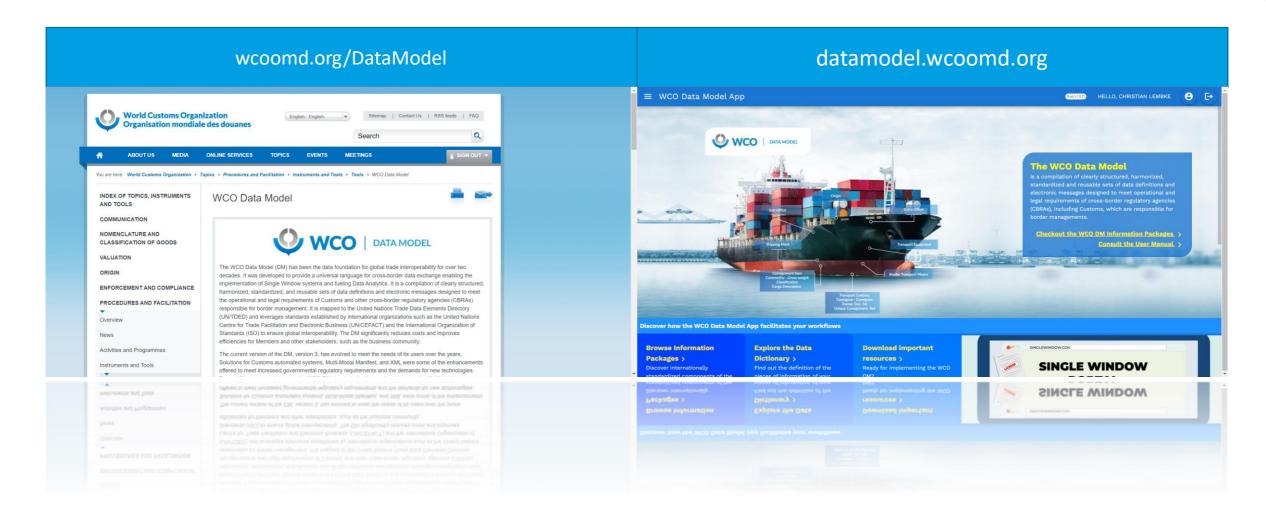
WCO DM Enables Trade Facilitation





Where can you find the WCO Data Model?





www.wcoomd.org 12



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