The WCO Data Model

Articles 10.3: Use of International Standards

✓ Use relevant international Standards
✓ Participate in the standards-development

Articles of the WTO
Trade Facilitation Agreement

✓ Revised Kyoto Convention
✓ WCO Data Model

THE WCO DATA MODEL

WCO RECOMMENDS that Members of the Council
....should as far as possible:

Adopt the WCO Data Model for the identification and definition of all cross-border regulatory data requirements related to pre-arrival/pre-departure formalities and procedures for import, export and transit.

Use the WCO data elements, their names and reference numbers (WCO ID's), the data element descriptions, the character representations (including the suggested code lists) in describing and composing electronic messages.

Use the standard electronic messages described in the WCO Data Model in Government to Government and Business to Government /Government to Business electronic messages.

High level commitment
Strategic Direction
System Requirement Procurement Spec.
Technical Specification

- Customs Administration
- National Single Window
- Regional Integration

THE WCO DATA MODEL

- **S:** Information systems used by the Member have been checked conformance. Tables showing conformance with the WCO Data Model have been shared with the WCO Secretariat
- **P:** Projects involving the use of the WCO Data Model are underway or have been completed
- **M:** Mappings of data elements national Information Sytems with the WCO Data Model have been produced and (in some cases) shared with the WCO Secretariat
- **IP:** A "My Information Package" has been published by the Member.
- **NA:** Information regarding conformance with the WCO Data Model is not available

S: Conformant Systems

Solution Providers to promote systems conformant to Data Model

❑ Information systems used by the Member have been checked for conformance.

❑ Tables showing conformance with the WCO Data Model have been shared with the WCO Secretariat

❑ Examples: ASYCUDA++ & ASYCUDA World, South Africa's System, WCO Cargo Targetting System

Ultimate Goal: Published Derived Information Packages & My Information Packages

Framework of conformity

Non-conformant	Compatible	Conformant
Uses proprietary data structures. Does not follow international standards. Too many deviations from the WCO Data Model. Work-around not possible to meet the data exchange requirements. Direct Trader Input is the predominant mode of entry Costly for the trader to operate and maintain. Major obstacle to participation in Globally Networked Customs Single Window development is infeasible.	Largely follows the WCO Data Model but has few variations in usage. Variations in usage can be overcome with minor but significant adjustments using 'adaptors' or 'translators'. The larger the number of adaptors, the more expensive it is for the trader to maintain software applications and to operate Does not stop the country's participation in international data exchange but may be limited due to expensive and complicated workarounds. Development of Single Window would entail serious challenges, high levels of effort.	Follows the WCO Data Model for all practical purposes of information exchange. National models are nearly true subsets of the WCO Data Model. Deviations from the WCO Data Model are either non-existent or are immaterial. Translators and adaptors don't play a significant role. Offers cost-savings to the trader in terms of information re-use and access to low cost compliance solutions. Facilitates participation in Customs to Customs information exchange. Facilitates the building of a Single Window Environment.

THE WCO DATA MODEL

National/International projects promote systems conformant to Data Model

❑ Information systems used by the Member have been checked for conformance.

❑ Requirement of WCO DM implementation included as part of procurement process

❑ Tables showing conformance with the WCO Data Model have been shared with the WCO Secretariat

❑ National Specifications published on National Portals

❑ Examples: Netherlands, Canada, New Zealand, Oman, Israel, South Africa

Ultimate Goal: Published Derived Information Packages & My Information Packages

National/International data requirements mapped and aligned with the WCO Data Model

❑Information systems used by the Member have been checked for conformance.

❑Mappings of data elements of national information systems with the WCO Data Model have been produced

❑In some cases, shared with the WCO Secretariat.

❑ Gaps identified for future action on conformance

❑National specifications published on National Portals

Ultimate Goal: Published Derived Information Packages & My Information Packages

THE WCO DATA MODEL

Information about National/International data standardization initiatives not yet available with the WCO

❑ Information regarding conformance with the WCO Data Model is not available

❑ Efforts underway to contact administrations

Ultimate Goal: Published Derived Information Packages & My Information Packages

National My Information Package is available online

❑ Information regarding conformance with the WCO Data Model is available online as a collection of standard and Machine Readable files

❑ My IP Acts as self certification to the adoption of international standards

❑ Requires ongoing maintenance and updates

   ❑ Message changes

   ❑ System changes

   ❑ Code-list updates

The green tick

Adoption of the WCO Data Model

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Availability of

My Information Package

THE WCO DATA MODEL

	S	P	M	IP	NA	Total
Number of Countries	71	42	11	2	55	179
% of Total Number	39.7	23.5	6.1	0.0	30.7	100

- National scope code-list
  - Define customs code list
  - Made available publicly
  - Implementation note
- New Data Element
- Different structure to express relation between element
  - Raise Data Modification Request
- New Base/ Derive Information Package
  - Bring to a Focus Group.
- New Concept
  - Bring to a Focus Group.
- New Fundamental Concept
  - Bring to IMSC.

Data Maintenance Request

- ## Submitted prior to DMPT
  - Consider the time to let it reviewed by members
- Standards Format
- Discussed during DMPT Sessions in plenary
- Vote required from at least two Member Administrations

WCO LOG:	
DATE :	
User reference (*):	MY-2015-0001
User date:	2015-01-16

Originator (*):	Royal Malaysian Customs Department
Contact person (*):	Esa Noryati Binti Abdul Ghani
Email (*):	e_noryati.ghani@customs.gov.my
Phone (*):	+60 03-88822574
Data set (*) :	CRI, CRE
Attached Documentation	
Business Need/Justification (*):	To specify whether a consignment is for export, import, transit or transshipment.
What process? (*)	Cargo reporting for import and export where the cargo report need to be determined the purposed of the report. For each different purposed there will different treatment and risk management level during the further proccessing of the report.
For what purpose?(*)	Treatment Control, Risk management system, statistic, reporting
Based on?	
Example.	UNCL 8323: 1 = Export, 2 = Import, 3 = Transit, 5 = Transshipment

User reference (*):	MY-2015-0001
Data element Name (*):	Transport movement, coded
Data Element Tag (*):	8323
Action (*):	Add to "Consignment"
Data element definition (*):	Code specifying a particular transport movement.
Data Element Note:	These data element does not refer to the status of the document such as cancelled, addition or deletion but more to the purposed of the report or the document is produced.
Representation (*):	an..3

Thank you for your attention !

Contact: dm@wcoomd.org