CROSS-BORDER TRANSACTIONS ON THE FAST TRACK

The WCO Data Model

Information packages
The Challenge
- As many different types of systems & procedures as there are countries/stakeholders
- 100s of different forms & 1000s of data elements
- Document preparation consumes the largest time-segment in the process of release and clearance of cargo

WCO Response
- A solution for harmonized Customs procedures
  - Revised Kyoto Convention
- A solution for a common Customs/Cross-Border data standard
  - WCO Data Model
The WCO Data Model: In a nutshell

A set of carefully combined data requirements that are mutually supportive and which will be updated on a regular basis to meet the procedural and legal needs of cross-border regulatory agencies such as Customs, controlling export, import and transit transactions.
WCO Data Model

Create Collaboration Through Interoperability
By using WCO Data Model
As the common reference and dictionary
2005 - updated to version 2.0
WCO Customs Data Model.
• Include data pertaining to transit and transport requirements
• CBM included for designing and developing Information systems and electronic messages
• contains Other Government Agency (OGA) data

2009 - updated to version 3.0
WCO Data Model.
Includes data elements for GOVCBR agency messages.

2003 - updated to version 1.1
WCO Customs Data Model (data elements to identify high risk consignments included)

G7 Initiative 1996 – 2001
Common data sets and uniform electronic messages for cargo report, import and export declarations.
Release on minimum information

2015 - Released 3.5
WCO Data Model.
Includes data elements for CBR agency messages.
WCO Data Model Components

TECHNIQUE

STRUCTURE

CONTENT

CONTEXT

WCO Data Model

XML Schemas / messages and EDIFACT
Other readers, Guidelines etc

Message Implementation Guidelines

Information models

International CodeLists

Harmonised maximum data sets

Business Process Models

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WCO Data Model Information Package

<table>
<thead>
<tr>
<th>WCO Data Model</th>
<th>Information Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Alphabet</td>
<td>The Word</td>
</tr>
<tr>
<td>Message Standards Framework</td>
<td>Specific Message Standards</td>
</tr>
<tr>
<td>Generalist</td>
<td>Specialist</td>
</tr>
<tr>
<td>Maximum Dataset of CBRA Data Requirement</td>
<td>Subset of data elements for specific purpose</td>
</tr>
</tbody>
</table>

- To categorize/organize dataset
- Standard Electronic Messages Templates
- Reusable Information components
- Enhance interoperability
WCO Data Model Components: Information Package

• All the data elements required for B2G, G2B or G2G transactions

• Logically structured into “Information Packages”

• Broken down into subsets called “Derived Information Packages”

• Countries/ OGAs can then create their own use-case as a “My Information Package”
WCO Data Model Information Package: Base Information Packages

‘Declaration’ Base Information Package

‘Intergov’ BIP

‘Response’ BIP

‘LPCO’ BIP

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From ‘House’ → to a Library

WCO Data Model

XML Schemas / messages
Other readers, Guidelines etc

Message Implementation Guidelines

International CodeLists

Harmonised maximum data sets

Information models

Business Process Models

WCO DM IS A LIBRARY

Standardized Components

S
Superclasses

C
Classes

L
Code lists

P
Processes

D
CoreDataType

A
Attributes

N
Identifiers, Schemes

Information Packages

Information Packages

Harmonised maximum data sets
WCO Data Model: Governance

✓ WCO Governance Processes
  ✓ Development, Maintenance Conformance
  ✓ Member Driven
  ✓ Four face-to-face meetings a year Within the DMTP
  ✓ Partnerships with government & Private Sector

✓ Growing and widespread use & adoption
  ✓ EU - CDM
  ✓ US
  ✓ CBSA
  ✓ China
Thank you for your attention!

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