CROSS-BORDER TRANSACTIONS ON THE FAST TRACK

More About Information Packages & The Future of the WCO Data Model

World Customs Organization

Why Information Package

- Balance Standardization and Flexibility
  - Harmonized information Requirement
  - National Sovereignty
- Reusable Template
- Basis for understanding international standards/ convention

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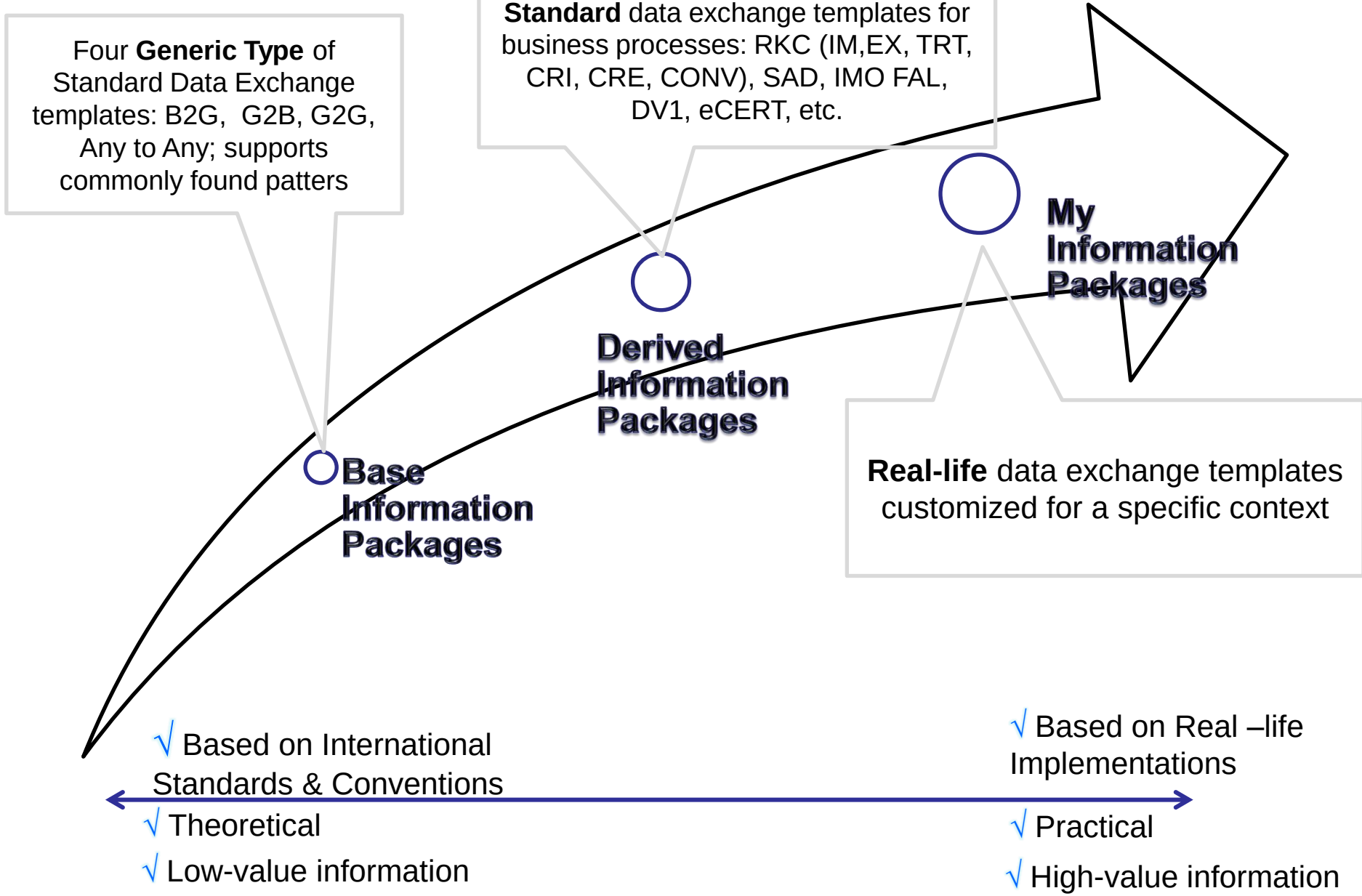
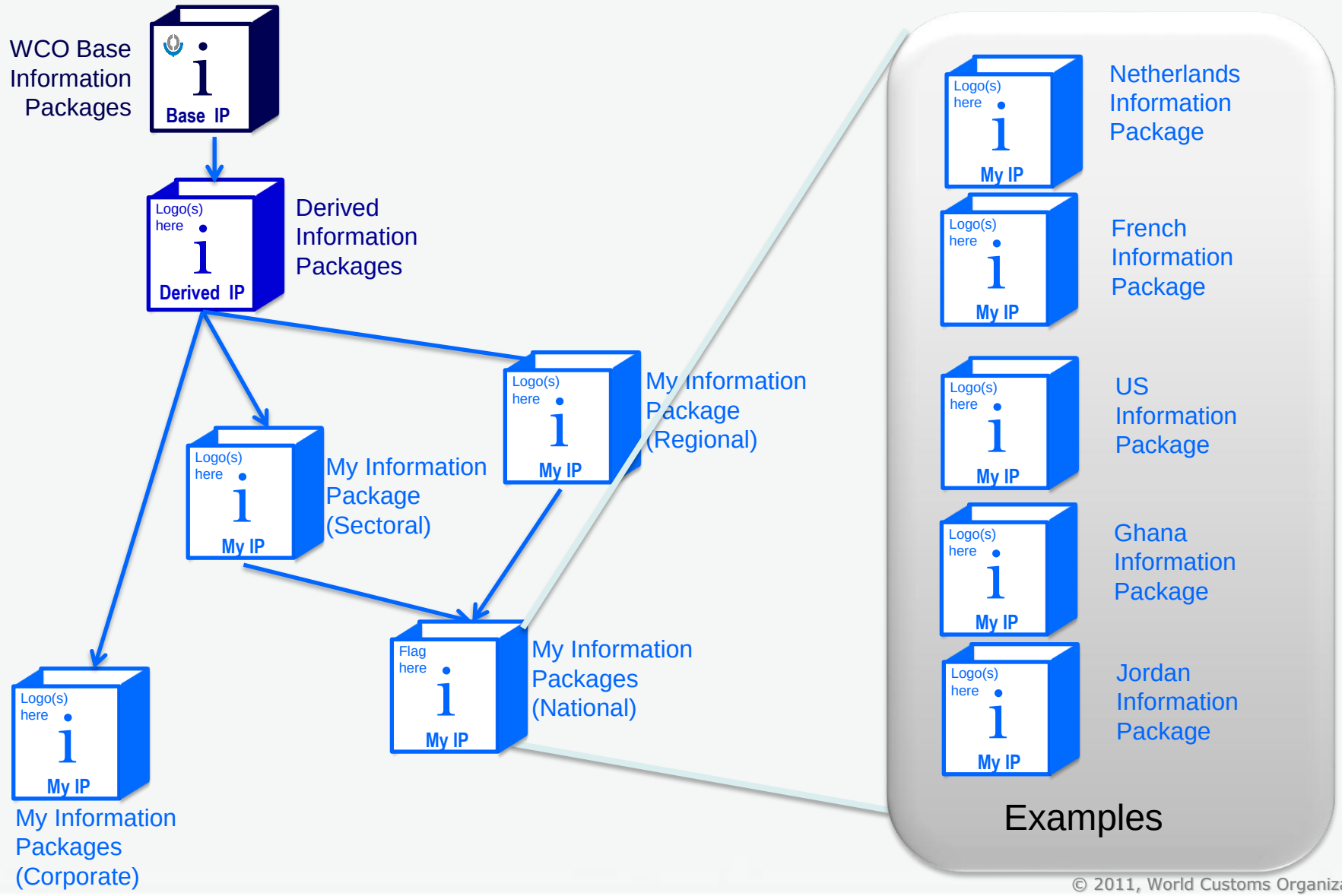


Diagram: Organization of Information Packages

The WCO Data Model

My Information Packages National



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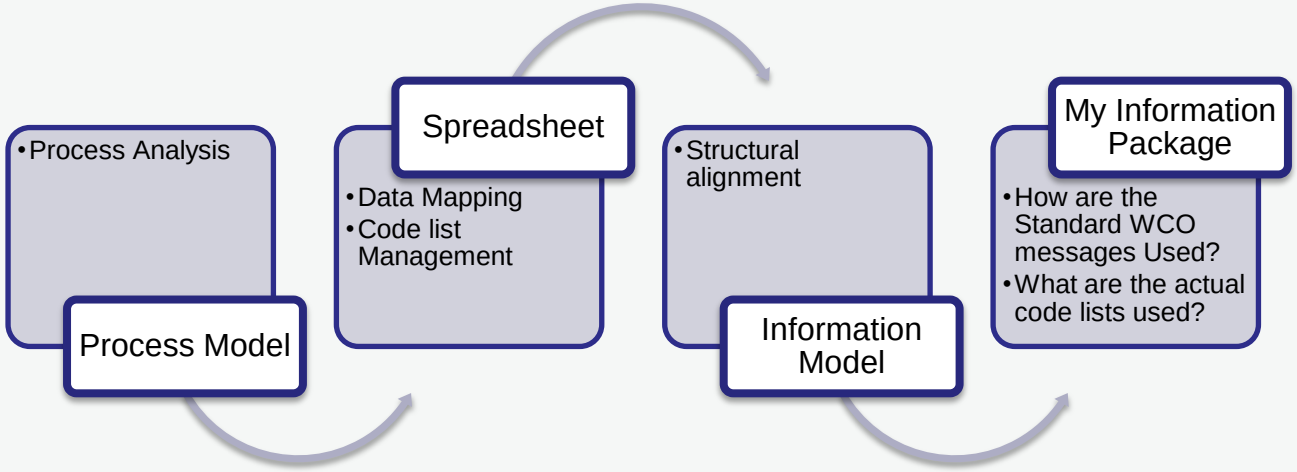
My Information Package
=Adoption of the WCO DM



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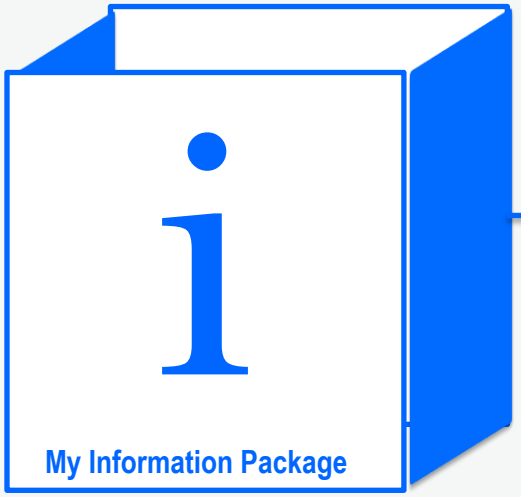
My Information Packages



‘My Information Package’ is my data requirements understood and explained in terms of the WCO Data Model

‘My Information Package’ is a self contained package of structured information about an **actual** implementation

My Information Package is arranged in a standardized structure and can be read into applications.

My Information Package is a good fit for the manner in which developers understand information exchange

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My Information Packages

- Can be traced back to the WCO Data Model
- Refined to meet the exact user needs
- Can be extended to meet some needs
- Owned by the producer
- Shaped and refined by a community
- Customer Benefits
- Rated by customers

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How to inform stakeholders about the adoption of the WCO Data Model?

- Press Release
- Publishing Informative material
- Publishing Technical documentation
  - Message Implementation Guidelines
  - Dataset/ Data Mappings
  - XML Schemas
  - Implementation notes
  - Forms and Box Completion Guidelines

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Dataset

I	Name	Definition	Class Name	Form	Code List
4	Reservation number of shipment	Reference number assigned by a carrier or its agent to identify a specific consignment	Consignment	an..35	
6	Sequence number	Number indicating the position in a sequence	ArrivalConveyanceFacility, Bunker, CallPurpose, CarriedTransportEquipment, Commodity, Consignment, ConsignmentItem, DepartureConveyanceFacility, Effects, EntryOffice, GoodsShipment, GovernmentAgencyGoodsItem, Invoice, InvoiceLine, Itinerary, Packaging, PersonOnBoard, Pointer, Process, Seal,ShipToShipActivity, StoresItem, TransitOperation, TransportEquipment, WasteItem	n..5	
9	Trader reference	A number assigned by a declarant such as a trader reference or a carrier reference	UCR	an..35	
10	Stay reference	An identifier of the stay of a means of transport in a port or airport or other place of service	BorderTransportMeans	an..35	
11	Carrier split consignment code	Code assigned by the carrier for each load of a split consignment	Consignment	an..3	EDIFACT codes (7365) subset (156 and 157)
13	Number of loading lists	The number of loading lists, manifests or similar documents	Declaration, LPCO	n..5	
14	Payment reference number	Reference number specifying a payment of a duty or tax	Payment	an..35	
16	UCR	Unique number assigned to goods being subject to cross border transactions	UCR	an..35	WCO (ISO15459) or equivalent
17	Message function, coded	Code indicating the function of a document	Declaration, InterGov, LPCO, Response	n..2	EDIFACT codes (1225)
19	Document/message status, coded	Code specifying the status of a document	Declaration, ObligationGuarantee	an..3	EDIFACT codes (1373)
23	Document acceptance date	Date on which a document has been or will be accepted in accordance with Governmental legislation	Declaration, IPR, LPCO, ObligationGuarantee	an..35	
24	Exit date	Date when the goods depart from last port, airport, or border post of customs territory whence consigned (country of export)	GoodsShipment	an..35	
25	Date of vanning	Date when the goods were containerized / Date when traders intend to stuff their goods into container at their premises, coded	StuffingEstablishment	an..35	
27	Duration of stay	The number of days a consignment is under transit control	TransitControl	n..2	
28	Birth date of Master/operator	Birth date of master of means of transport e.g. vessel master, pilot or driver	Master	an..35	
29	Consignment unloading date time	Date and time the cargo was outturned	BorderTransportMeans	an..35	
30	Departure date time	Date and optionally time of the departure of the goods from original consignor	GoodsShipment	an..35	
31	Consignment loading date	Date of initial loading onto ship or airplane during one journey from export place to import place	LoadingLocation	an..35	

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THE WCO DATA MODEL

XML Example Message

Altova XMLSpy - [CRE_Declaration_Cancel]

File Edit Project XML DTD/Schema Schema design XSL/XQuery Authentic DB Convert View Browser Tools Window Help

```
1  <?xml version="1.0" encoding="UTF-8"?>
2  <DocumentMetadata xmlns="urn:wco:datamodel:WCO:DM:1" >
3    <WCODataModelVersion>3.2</WCODataModelVersion>
4    <WCODocumentName>CRE</WCODocumentName>
5    <CountryCode>NZ</CountryCode>
6    <AgencyAssignedCustomizedDocumentName>CRE</AgencyAssignedCustomizedDocumentName>
7    <AgencyAssignedCustomizedDocumentVersion>V1.0</AgencyAssignedCustomizedDocumentVersion>
8  <Declaration xmlns="urn:wco:datamodel:WCO:DeclarationModel:1">
9    <ID>XXXXXXXXX</ID>
10   <TypeCode>CRE</TypeCode>
11   <FunctionalReferenceID>XXXXXXXXX</FunctionalReferenceID>
12   <FunctionCode>1</FunctionCode>
13   <Submitter>
14     <ID>XXXXXXXXX</ID>
15   </Submitter>
16   <AdditionalDocument>
17     <CategoryCode>XXX</CategoryCode>
18     <ImageBinaryObject mimeCode="application/pdf" filename="XXXXXXXXX">ATTACHED</ImageBinaryObject>
19   </AdditionalDocument>
20   <AdditionalInformation>
21     <StatementDescription>XXXXXXXXX</StatementDescription>
22     <StatementTypeCode>AES</StatementTypeCode>
23   </AdditionalInformation>
24   <Declarant>
25     <ID>XXXXXXXXX</ID>
26     <Communication>
27       <ID>XXXXXXXXX</ID>
28       <TypeID>XXXXXXXXX</TypeID>
29     </Communication>
30   </Declarant>
31 </Declaration>
32 </DocumentMetadata>
```

Text Grid Schema WSDL XBRL Authentic Browser

CRE_Declaration_Cancel

XMLSpy v2009 sp1 Registered to kAREN Garside (World Customs Organization) ©1998-2009 Altova GmbH Ln 1, Col 1 CAP NUM SCRL

EN 21:37 11/05/2013

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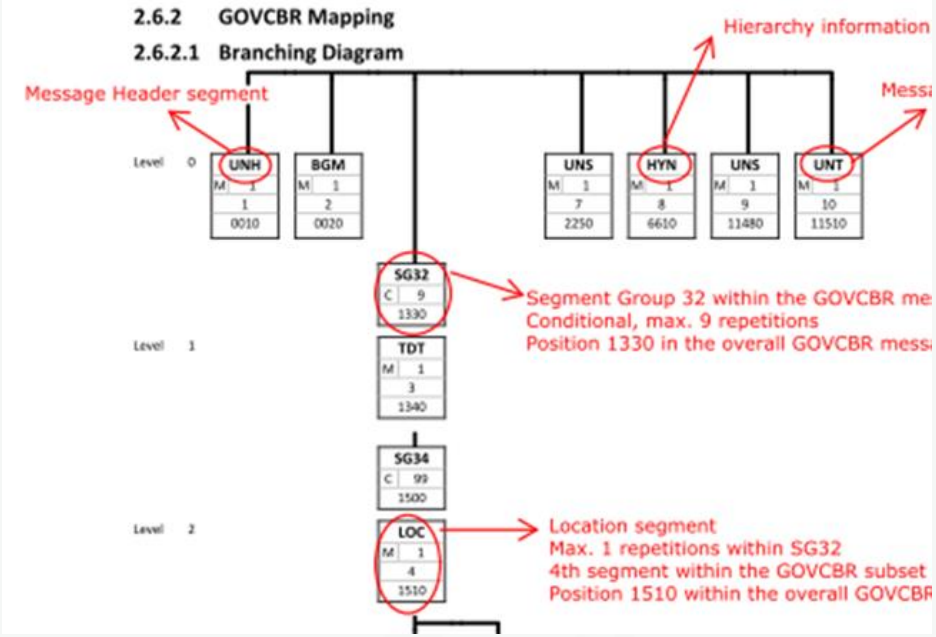
EU Maritime Single Window
(European MIG for MSW)

Section 2 – B2MSW

Message Implementation Guidelines

Mapping to GOVCBR (EDIFACT)



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Data Element Rules for CRE Response Message

WCO Data Element Name	WCO ID	WCO Definition	Format	TSW Description	Status	Rules and Conditions
		the Governmental Agency				
Declaration reference number	D014	Reference number identifying a specific document	an..35	TSW Reference Number	M	Will be transmitted to state the unique TSW reference number assigned to this transaction. Note: TSW Reference number 00000000 denotes the original transaction has not been stored by TSW (generally as a result of a fatal error). Once the errors have been corrected, the transaction can be resent as a type 9 (original). Do not quote 00000000 on the resend.
Document/message acceptance date and time	023	Date and time when the document/message was accepted	an..17 an3	Acceptance Date Time Date format code	C	Conditional – Will be transmitted where a lodgement has been accepted by an Agency to specify the date and time of acceptance of the Declaration Date Format CCYYMMDDHHMMSS (Date format code 204)
Functional reference number	D026	Reference number identifying a specific information exchange	an..14	Senders Reference Number	M	Will be transmitted to state the senders reference number stated for this transaction.
Version number	383	The sequential number that determines the version of a specific document/message number	an..9	Version Number	C	Where known will be transmitted to state the version number relating to this response
Document/message cancellation date and time	373	Date and time when the document/message was cancelled	an..17 an3	Cancellation Date Time Date format code	C	Conditional – Will be transmitted where a previously transmitted lodgement has been cancelled by

IMO GENERAL DECLARATION (Annotated)

BGM:C002-1001=185 or 186

			☐ Arrival ☐ Departure	
1.1 Name and type of ship **SG9-TDT: 8051=20, C222: 8212, 8179** 1.2 IMO number **SG9-TDT: C222: 8213** 1.3 Call sign **SG7-COM: 3148. 3155=AW** 1.4 Voyage number **SG9-TDT:8028**			2. Port of arrival/departure **SG3-LOC: 3227=60 or 5, C517: 3225, 3224**	3.Date – time of arrival/departure **SG3-DTM: C507: 2005= 132 (ETA) or 178 (TA) or 133 (ETD) or 186 (TD), 2380 (CCYYMMDDHHMM), 2379=203**
4. Flag State of ship **SG9-TDT: C222: 8453**	5. Name of master **SG6-NAD: 3035= CPE, C080: 3036**		6. Last port of call/Next port of call **SG3-LOC: 3227=125, C517: 3225, 3224**	
7. Certificate of registry (Port; date; number) **SG4-DOC: C002: 1001=798, C503: 1004, DTM: C507: 2005=259, 2380 (CCYYMMDD), 2379=102, LOC: 3227=89, C517: 3225, 3224**			8. Name and contact details of ship's agent **SG6-NAD: 3035=CG, C058: 3124, SG7-CTA: 3139=BQ, C056: 3413, 3412, COM: C076: 3148, 3155=TE**	
9. Gross tonnage **HS MEA:**	10. Net tonnage **HS MEA: 6311=AAN**			

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Adoption of the WCO Data Model

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Availability of

My Information Package

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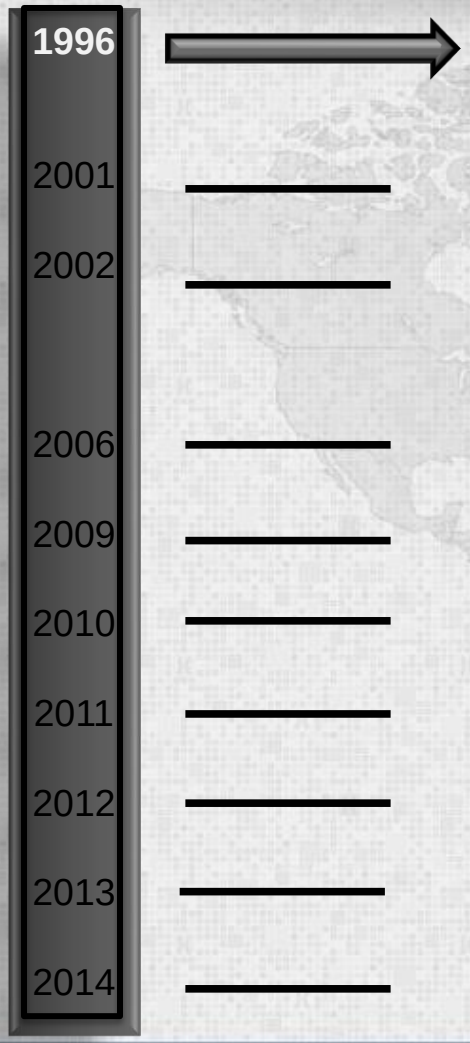
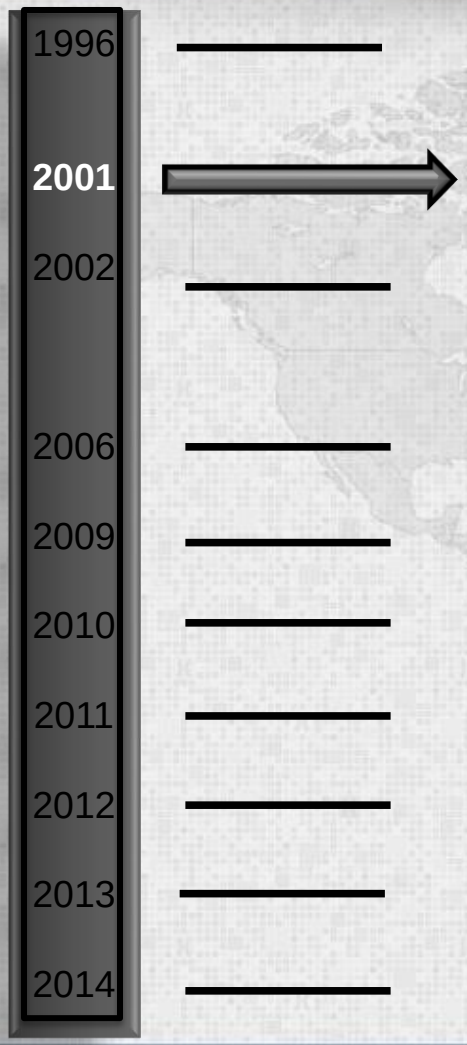
WCO DATA MODEL: EVOLUTION



Began in 1996 as a G7 initiative

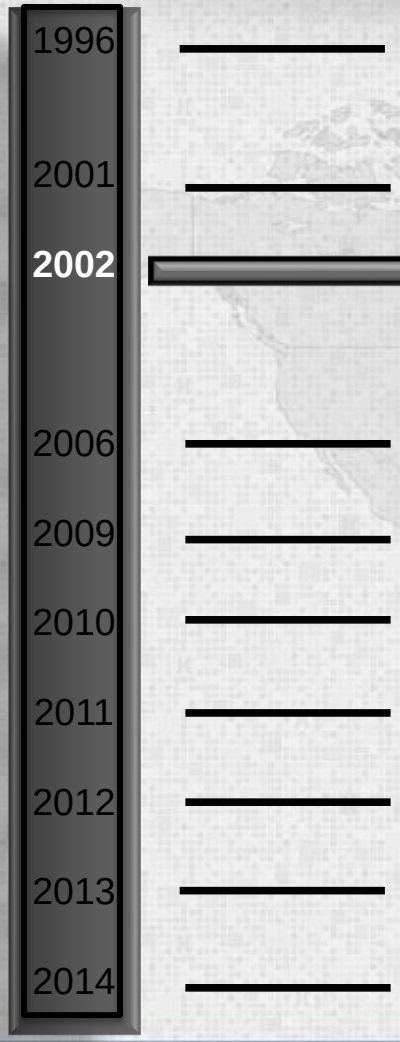
- –Primary Goal was trade simplification & harmonization
- –Focus on reduction in data requirements
- –G7 Data Requirements were simplified iteratively
- –Was expected to be completed in two phases
  - –First, or ordinary goods involving Customs only
  - –Second , requirements involving Other Government Agencies
- –G7 Kyoto Data Principles

WCO DATA MODEL: EVOLUTION



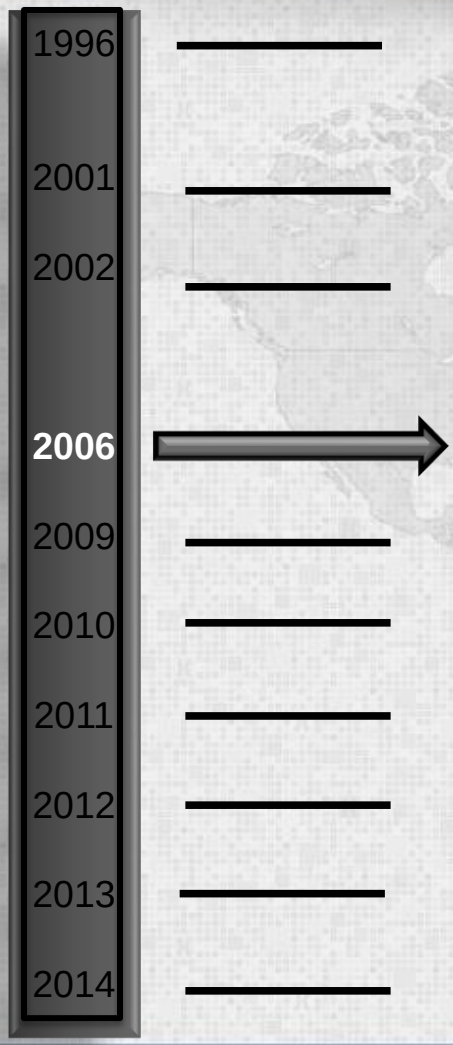
- –G7 Version 21 became WCO Customs Data Model Version 1.0
  - –Limited to Customs - “ordinary goods”
  - –Did not cover OGA Requirements
- –Handed over by G7 to WCO for maintenance and global use
  - –Became WCO Customs Data Model
  - –Data Maintenance Procedures were developed
  - –Data Sets & UN/EDIFACT MIGs were published
  - –Covered Import & Export Declarations
    - –Also, two step declarations including simplified procedures
  - –Cargo Report Import & Export

WCO DATA MODEL: EVOLUTION



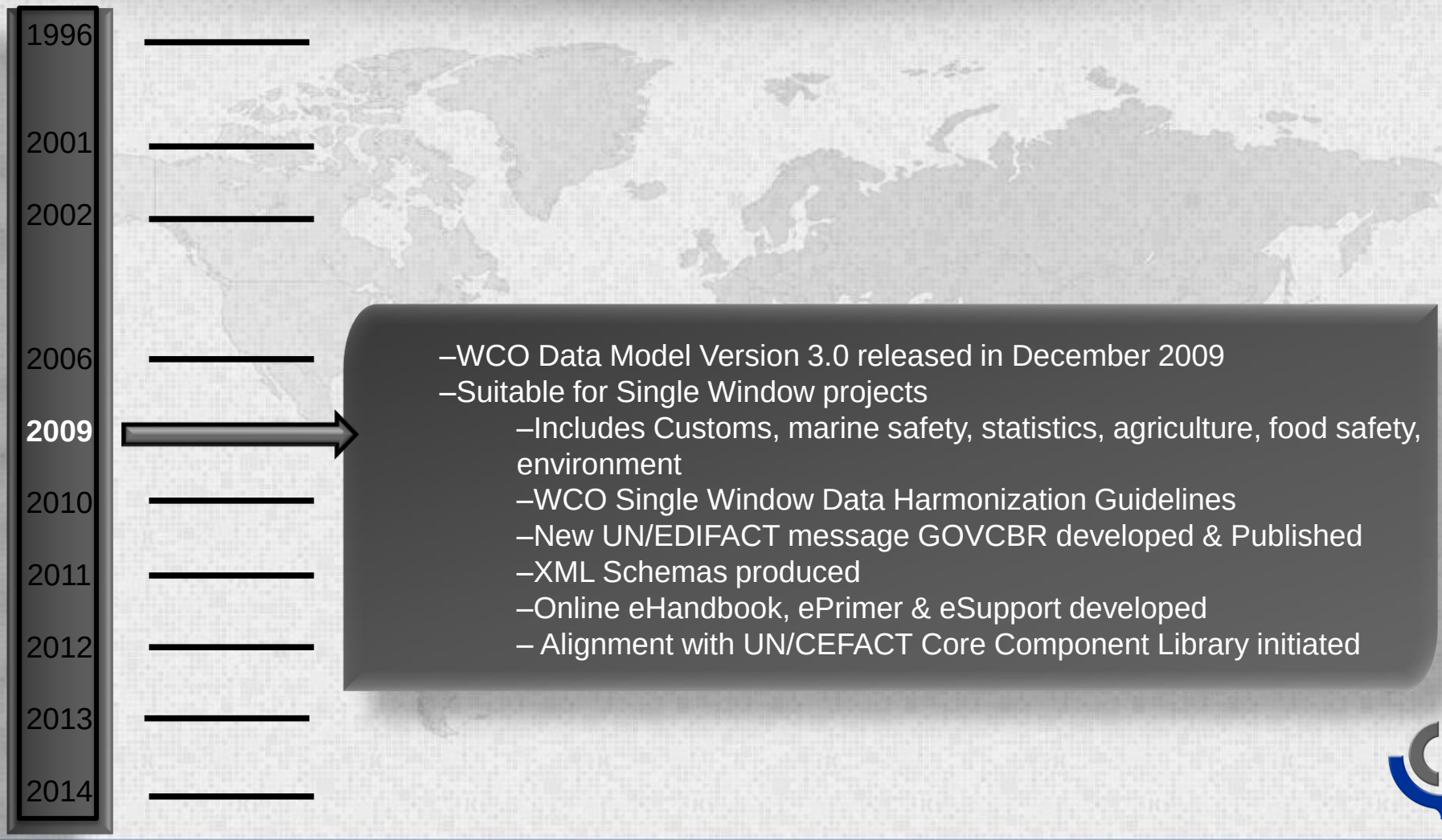
–Events of September 11, 2001
–Data elements required to carry out security risk assessment included
–Published as WCO Customs Data Model Version 1.1
–Preparation began for Version 2.0

WCO DATA MODEL: EVOLUTION

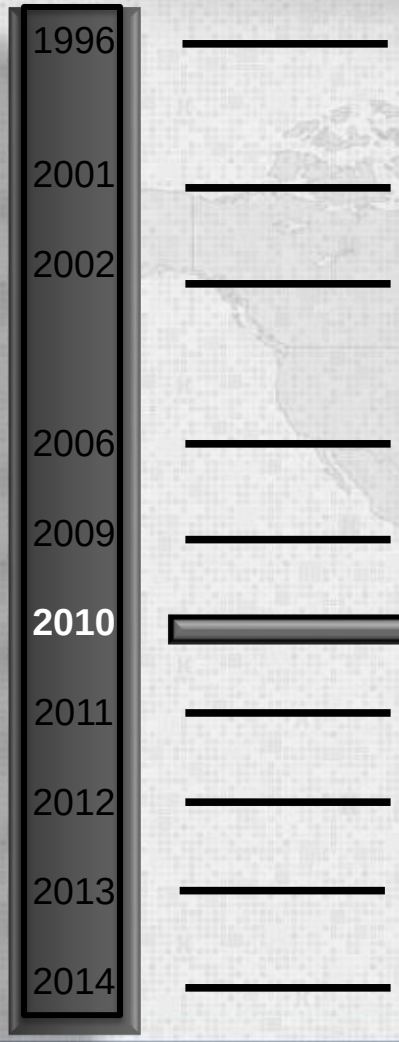


–WCO Data Customs Model Version 2.0 was released
–Inspired by Customs procedures described in the Revised Kyoto Convention
–Covered the following additional procedures
  –Simple transit based on European requirements
  –Conveyance reporting
–Adopted UML Modeling- Produced Business process & information models
–Published EDIFACT Messages WCODEC, WCOCAR, WCOREP
–Produced XML Guidelines
–Aligned with UNTDED 2005

WCO DATA MODEL: EVOLUTION



WCO DATA MODEL: EVOLUTION



–Version 3.1 finalized in September 2011
  –Motivated by supporting implementation
  –Feedback from countries actively using the model
  –Covered additional requirements from several countries
–Based on the overall scope of Version 3.0
–Single Window Business process development initiated
–New data elements added to support dematerialization of supporting documents
–Online eHandbook, ePrimer & eSupport published

WCO DATA MODEL: EVOLUTION

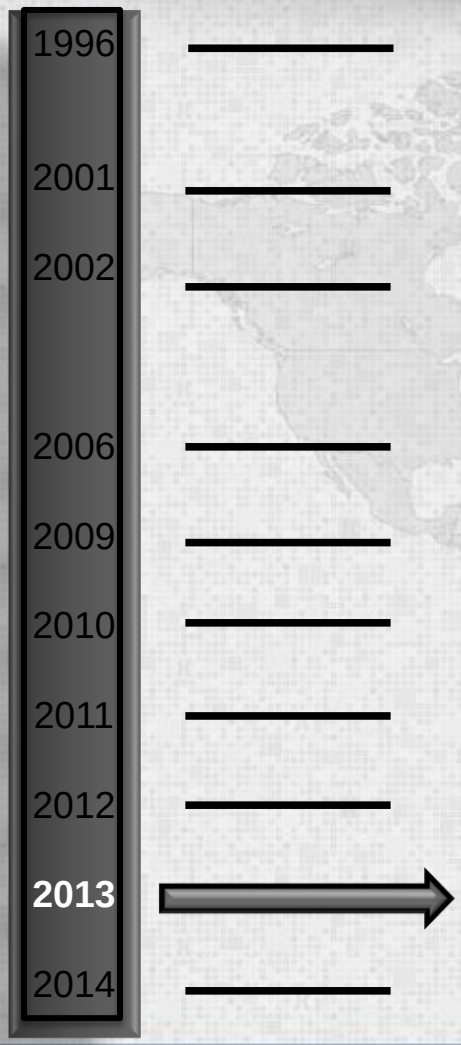
–Version 3.2 finalized in September 2012
- –Aligned import and export subsets
- –Corrections to the Commodity, Seal information significant
- –Produced IMO FAL & Valuation Sub model

– The Strategic Business Case for Version 4.0
- –WCO Data Model to be updated in annual increments
  - –Annual releases to support new implementation
  - –To be called 3.1, 3.2, 3.3 etc
- –5 areas of development
- –No big-bang publication

WCO DATA MODEL: EVOLUTION

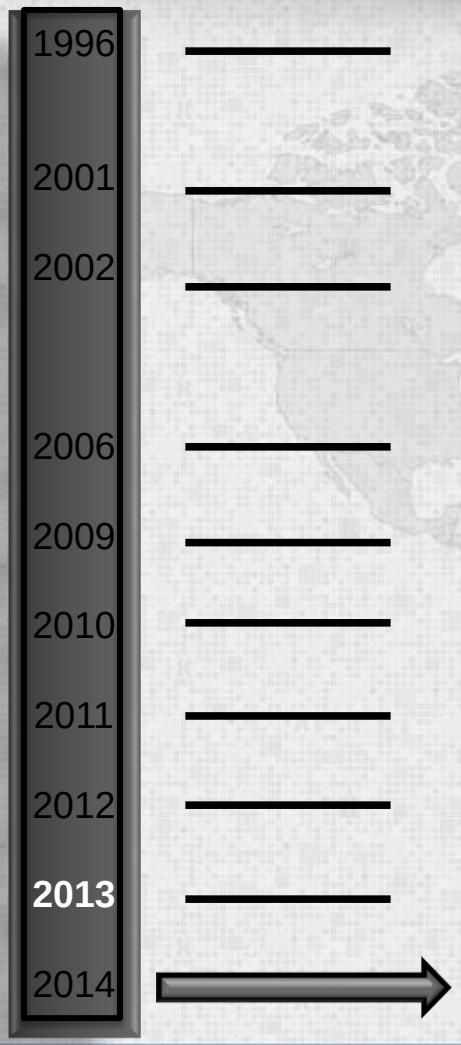
–Version 3.3 contains additional Customs procedures
  –Warehousing, Free Zones, Inward processing, Temporary Admission, Discrepancy Reporting
–To cover for the first time Licenses, Certificates, Permits Others
  –Basic design developed
  –CITES electronic Permit is the first Certificate to be developed
  –Certificate of Origin, Sanitary & Phyto-Sanitary Certificates

WCO DATA MODEL: EVOLUTION



–Version 3.4
–Information Packages:
–SAD 500 for the SACU Region
–WCO-UPU Customs-Post Messages;
–Immediate Release Guidelines
–ASEAN Preferential Certificate of.Origin (ATIGA Form D)
–Maritime Single Window (Initial phase)
–Electronic Phytosanitary Certificate based on eCert
–Codex Alimentarius Certificate
–TIR Certificate for approval of Road Vehicles
–EU Certificate of Conformity for Fruits and Vegetables
–My IP Specification
–Example of a “My Information Packages”
– New GOVCBR Update

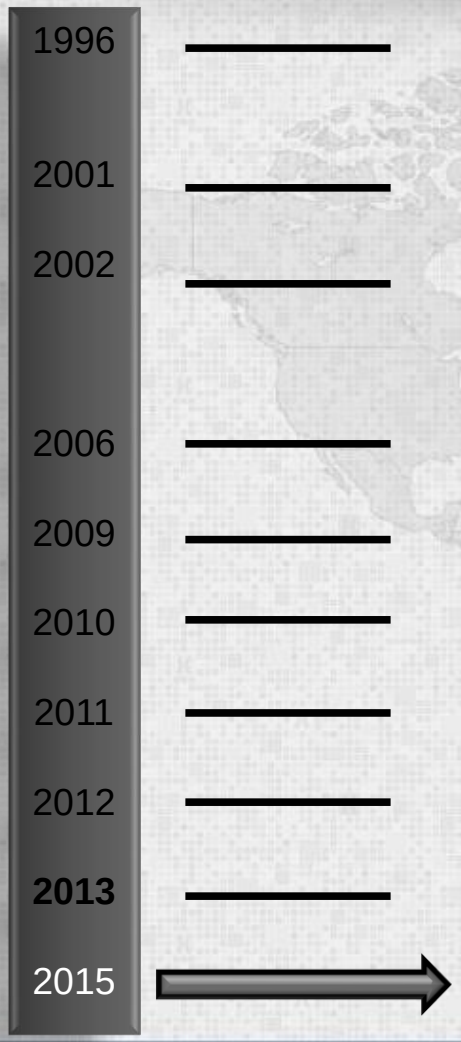
WCO DATA MODEL: EVOLUTION



–Version 3.5
– Information Package (final) for EU e Maritime Single Window
–UNESCO-WCO model export certificate for cultural objects
–Information Package on Certificate of Animal Health (generic)
–BASEL Convention on Trans-boundary movement of Hazardous Waste
–CMR Consignment Note
–EU Information Package(DG TAXUD UCC IPs) – Depends on the finalization of the legislation and implementing provisions
– UB (Control Mutual Agreement)
–- SSTL Information Package
–eATA Carnet.
–Guide to selecting Information Packages for Information Exchange in a Single Window Environment.
–Comparative study on national requirements on Advance Information
–Invoice, Packing List, and transport documents – comparison of common requirements.

–

WCO DATA MODEL: EVOLUTION



–Version 3.6
– EU CDM - DIP
– ASYCUDA – DIP

– IMO-FAL Forms Mapping to WCO DM (initial work)

Future Direction

- Top Priority
  - Enhance business process modelling aspect
  - Enhance Documentation and Publication
  - Enhance Governance
- Continuous development:
  - Support implementations
  - More Information Packages for LPCOs
  - Additional Single Window requirements
  - Additional DIPs & MIPs
  - Supports Globally Networked Customs (GNC) Utility Block (UB)

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Goal of the WCO DM Project?

- Harmonized and Simplified data requirements implemented globally by cross-border regulatory agencies
- Cross-border regulatory agencies align their data requirements and interface specifications with the WCO Data Model
- Uniform publication of the mapping and alignment (My Information Packages)

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Thank you for your attention !

Contact: tejo.kusuma@wcoomd.org

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