



WCO RECOMMENDS that Members of the Councilshould as far as possible:

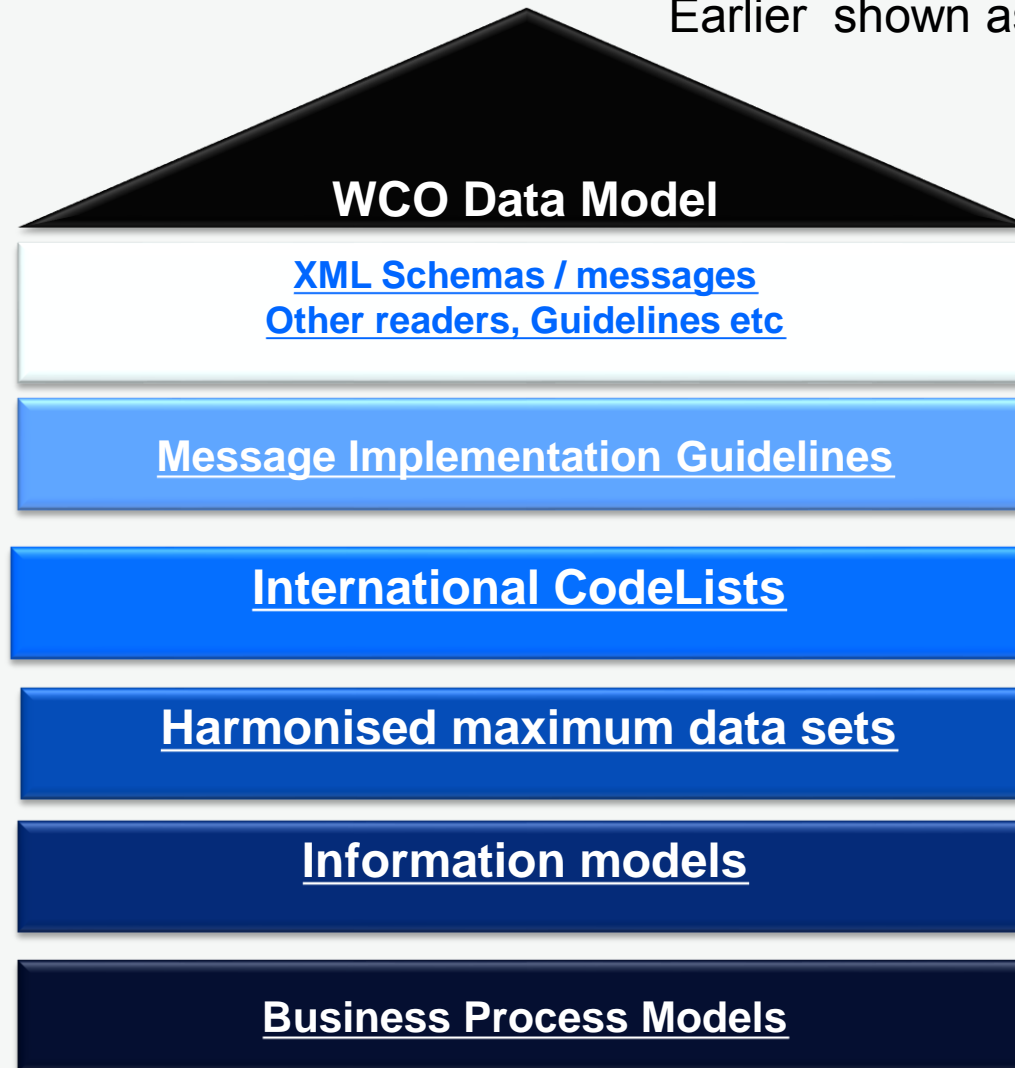
Adopt the WCO Data Model for the identification and definition of all cross-border regulatory data requirements related to pre-arrival/pre-departure formalities and procedures for import, export and transit.

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.



Earlier shown as a 'house'

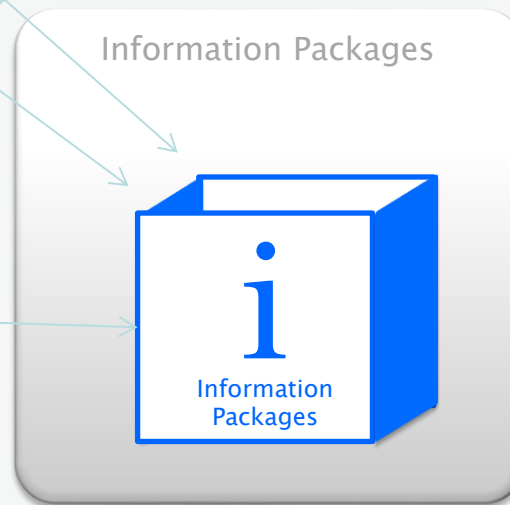
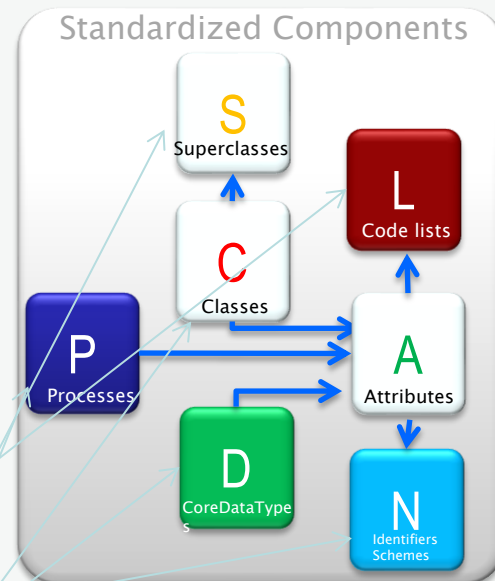
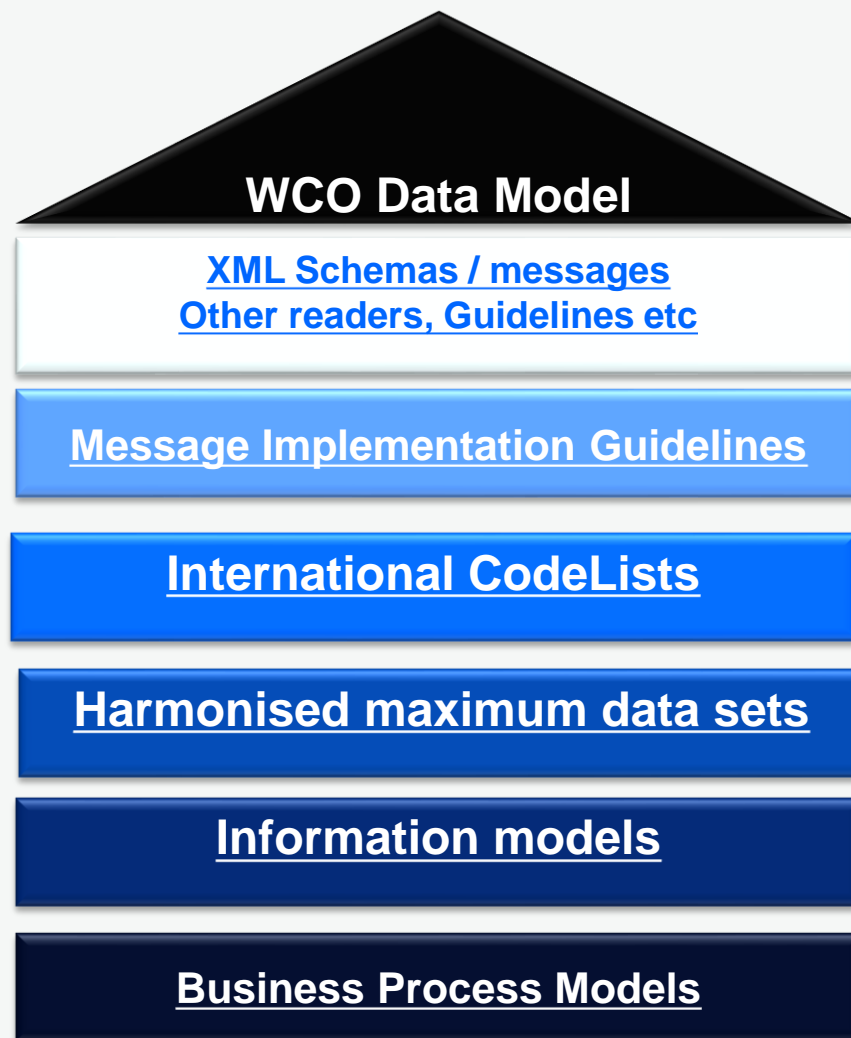




THE WCO DATA MODEL

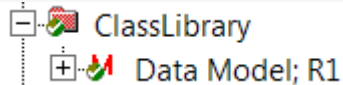
WCO DM IS A LIBRARY

From 'House' → to a Library

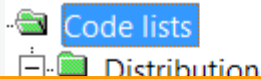




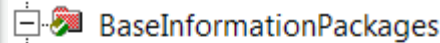
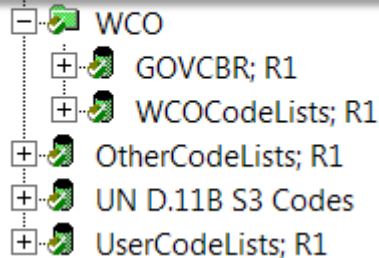
WCO Data Model Components



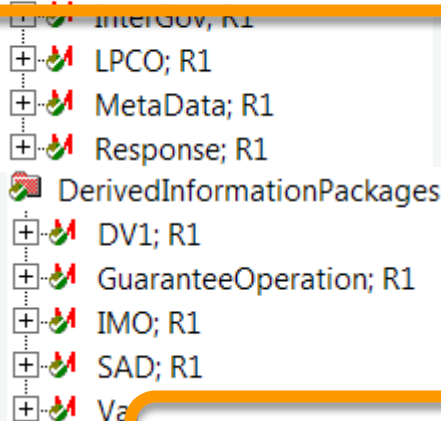
WCO Class Library



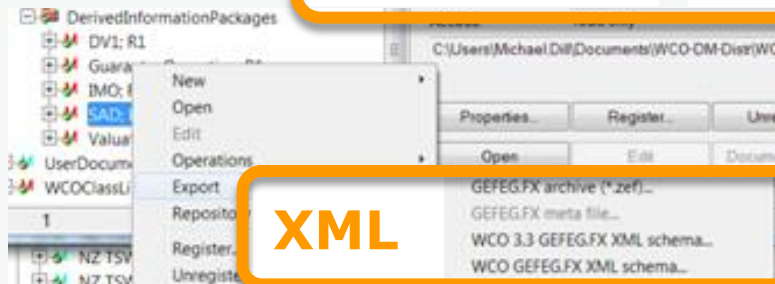
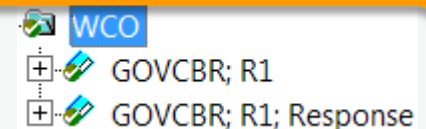
Code Lists



WCO Information Packages



EDIFACT



XML



- Context
- Content
- Structure
- Expression





- Context
 - » Trader Facilitation
 - » Security & Border Management
 - » Geographical
 - » Regulatory Procedure
 - » Business Process
 - » Information Systems
- Content
- Structure
- Expression



- Context
- Content
 - » Data Element
 - » Definition
 - » Format
 - » Code lists
 - » Identifiers
- Structure
- Expression

Home Insert Page Layout Formulas Data Review View

Cut Copy Format Painter Clipboard

Font: Calibri, 10, Bold, Italic, Underline, Text Color, Background Color

Alignment: Wrap Text, Merge & Center

Number: General, Percentage, Decimals

Styles: Conditional Formatting, Format as Table, Cell Styles

Cells: Insert, Delete, Format

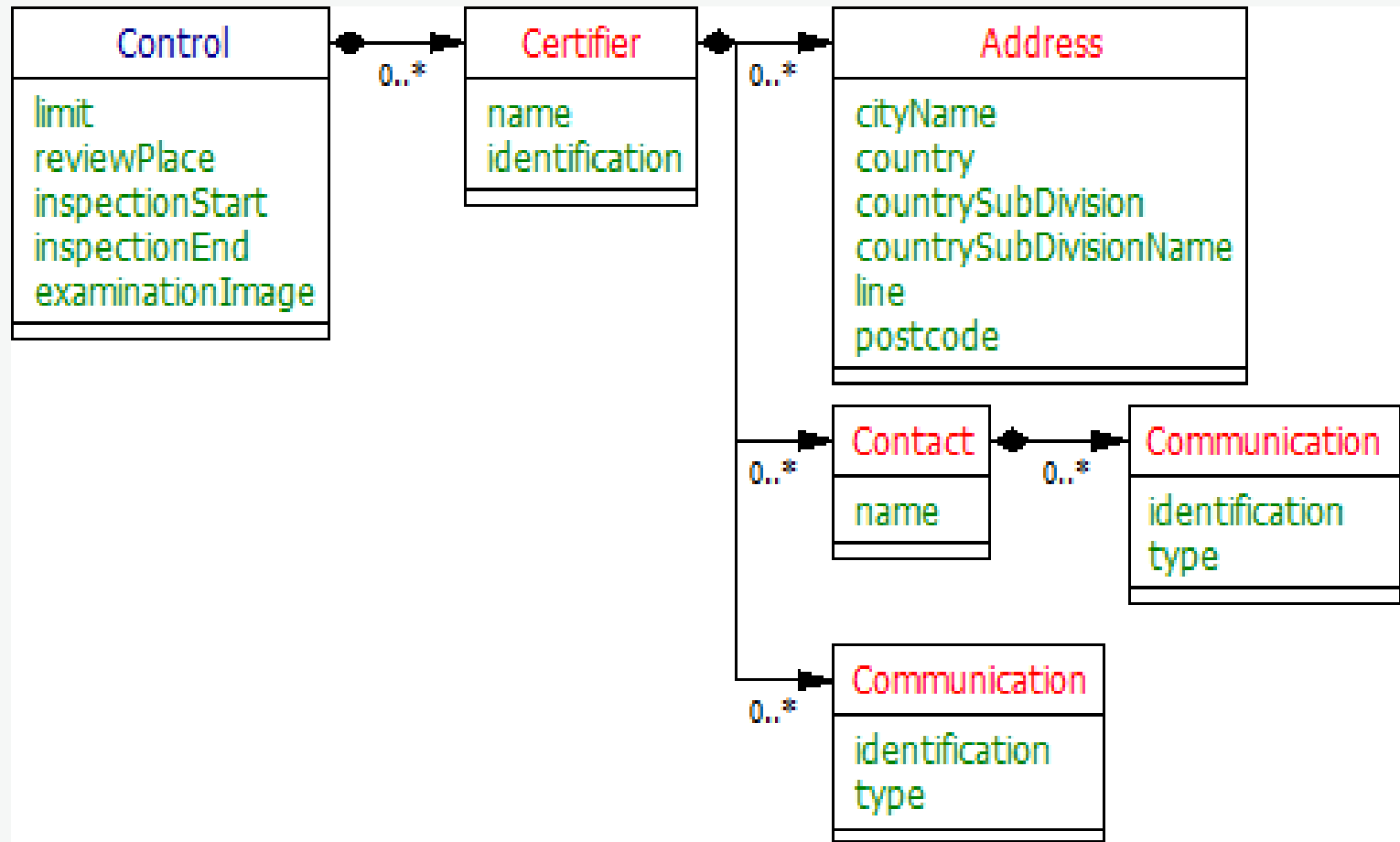
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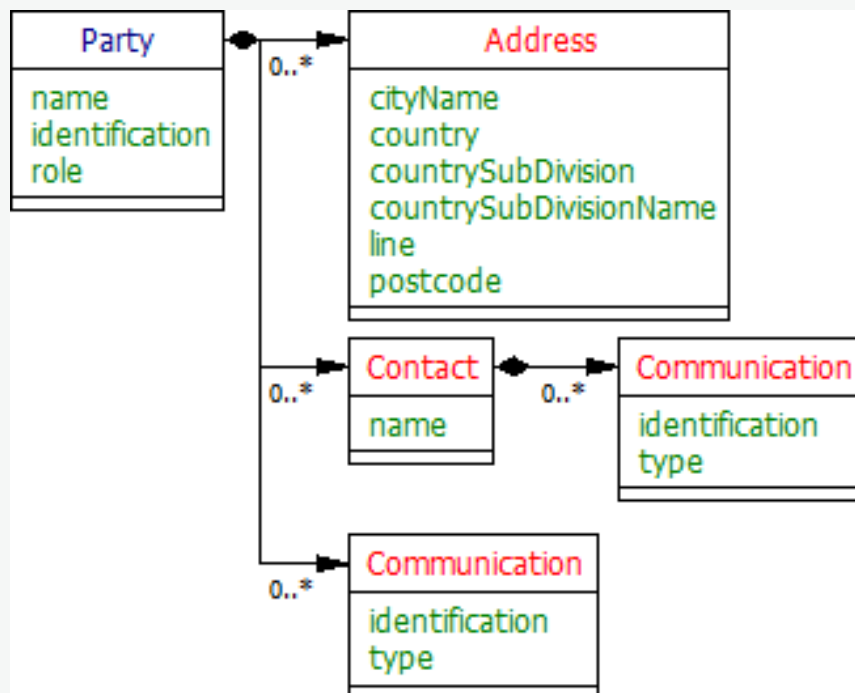
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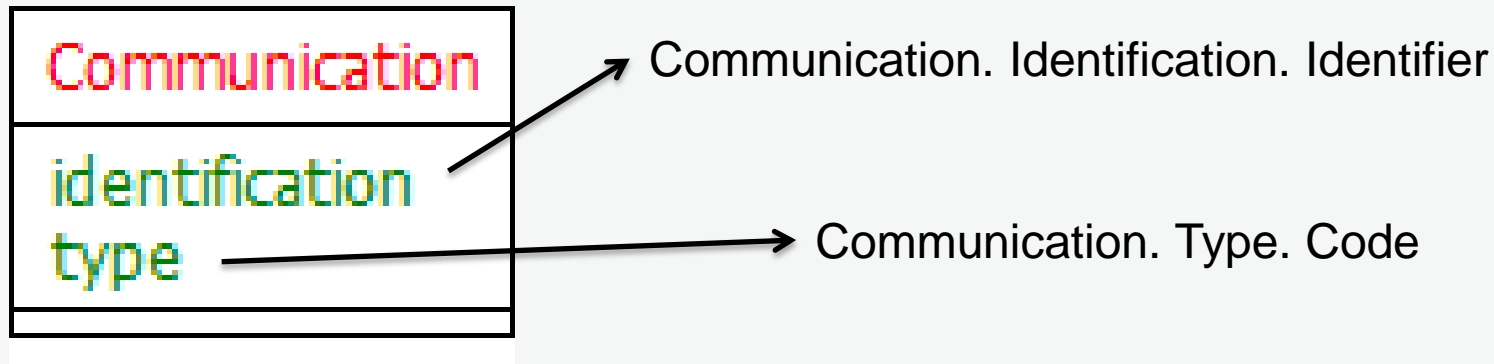
WCO ID	WCO Name	WCO Definition	Data Model Classes	IM	EX	CRI	CRE	CONV	TRT	RES	Format	Code remarks
004	Reservation number of shipment	Reference number assigned by a carrier or its agent to identify a specific consignment.	Consignment	-	X	-	-	X	-	-	an..35	
006	Sequence number	Number indicating the position in a sequence.	Commodity; Consignment; ConsignmentItem; GoodsShipment; GovernmentAgencyGoodsItem; Invoice; InvoiceLine; Itinerary; Packaging; Pointer; Seal; ShipToShipActivity; TransportEquipment	X	X	X	X	X	X	X	n..5	
009	Trader reference	Reference assigned by a trader to a declaration.	UCR	X	X	X	X	X	X	-	an..35	
010	Stay Reference	An identifier of the stay of a means of transport in a port or airport or other place of service.	BorderTransportMeans	X	X	-	X	X	-	-	an..35	
011	Carrier split consignment code	Code assigned by the carrier for each load of a split consignment.	Consignment	-	-	X	X	-	-	-	an..3	Codes 156 and 157
013	Number of loading lists	The number of loading lists, manifests or similar documents.	Declaration	X	X	-	-	-	-	-	n..5	
014	Payment reference number	Reference number specifying a payment of a duty or tax.	Payment	X	X	-	-	-	-	X	an..35	



- Context
- Content
- Structure
 - » Class
 - » Attributes
 - » Associations
 - » UML
 - » Hierarchical
- Expression







WCO ID	DEN	Example
253	Communication. Type. Code	TE
240	Communication. Identification. Identifier	0033147590962

WCO ID	DEN	Example
253	Communication. Type. Code	EM
240	Communication. Identification. Identifier	Lance.thompson @conex.net

[UN EDIFACT Code list 3155](http://www.unece.org/trade/untdid/d11a/tred/tred3155.htm)

TE Telephone
Voice/data transmission by telephone.

EM Electronic mail
Exchange of mail by electronic means.



- Header Level (**manifest**)
 - Carrier
 - Transport Movement
 - Transport Means
- Item Level (manifest line)
 - Consignment (**Transport Contract**)
 - Consignment Item (**Transporter's View of Goods**)
 - » Commodity (**Product Information**)



- Header Level (**Declaration/ Entry**)
 - Goods Shipment (**commercial details-header level**)
 - Invoice
 - Trade Terms
 - Consignment (**Transportation details**)
- Item Level (line item)
 - Govt Agency Goods Item (**Regulatory View of Goods**)
 - » Commodity (**Product Information**)
 - » Invoice Line (**Commercial Details- Line level**)



WCO Data Model – Header & Item Levels

WCO Data Model:

Pattern for a Regulatory Goods Declaration

Declaration

HEADER

Goods Shipment

Consignment

Regulated Goods

Commodity

LINE ITEM

REGULATORY DATA

Tariff Schedules
Non-tariff regulations

Licences
Permits
Certificates

TRADER DATA

Purchase Order
Invoice

Packing lists

Despatch Advise

Catalogues

Product Data Sheets

TRANSPORTER DATA

Bills of Lading

Consignment Notes

Conveyance Reps.
Schedules



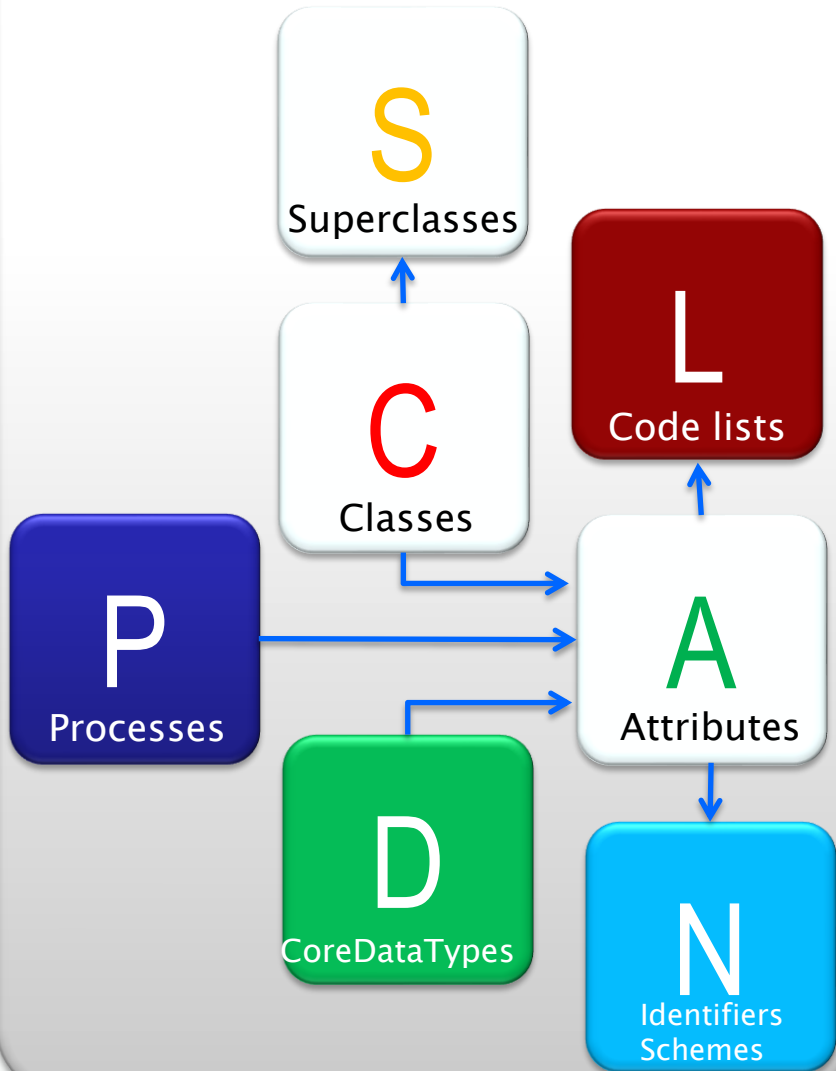
- Context
- Content
- Structure
- Expression
 - » Paper
 - » Layout Keys
 - » Levels
 - » Electronic
 - » Based on Syntax
 - » EDIFACT
 - » XML
 - » Others
 - » Delimited Flat Files
 - » CSV



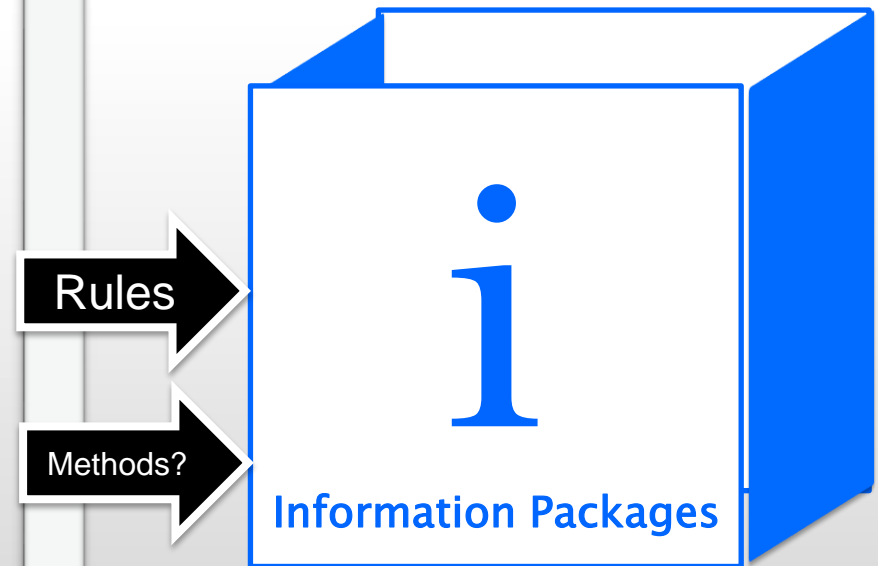
THE WCO DATA MODEL

WCO DM IS A LIBRARY

Standardized Components



Information Packages

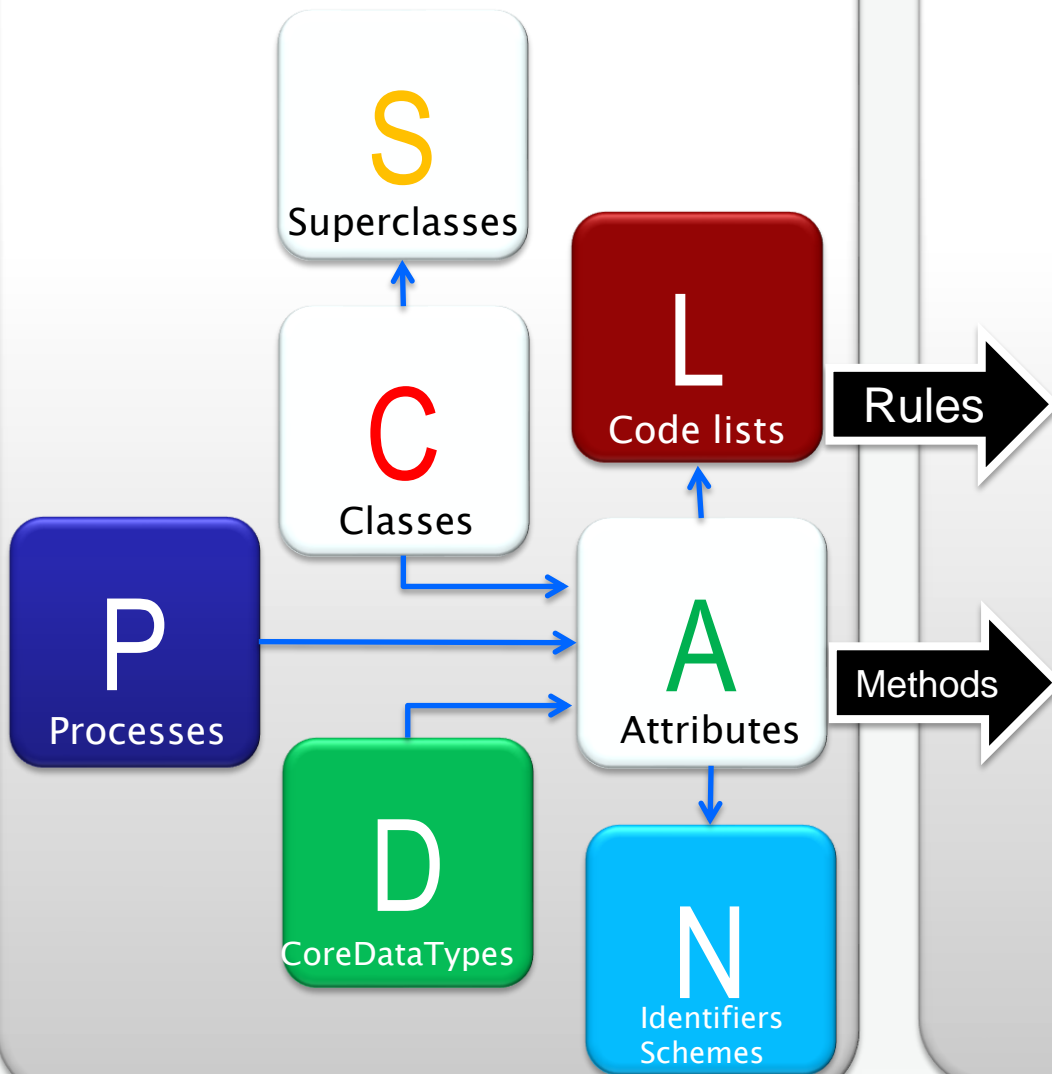




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Standardized Components



Information Packages





THE WCO DATA MODEL

[WCO Data Model Website](http://www.wcodatamodel.org)

www.wcodatamodel.org



THE WCO DATA MODEL

Thank you for your attention !

Contact: dm@wcoomd.org