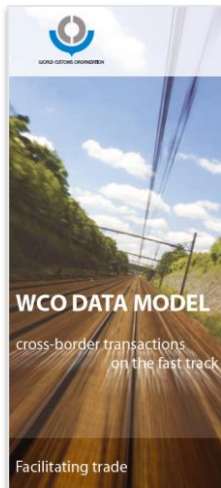


The WCO + GEFEG WCO Data Model Implementation Tooling Packages

- 1. Study Package**
- 2. Customisation Package**
- 3. Advanced (Extensible) Package**

The WCO Data Model



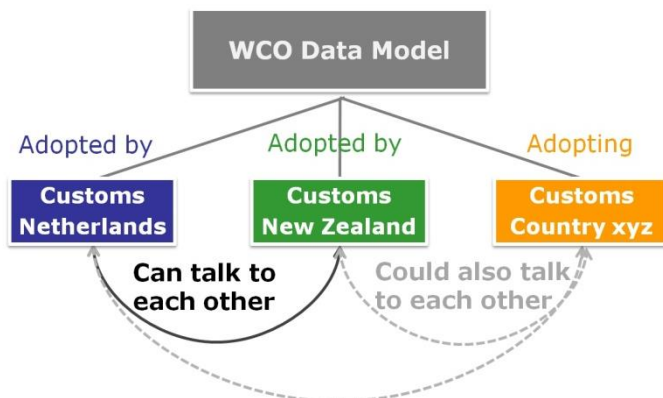
Global Language of Customs

- Describes customs and other cross border processes and documents globally
- Adopted in over 40 (?) countries

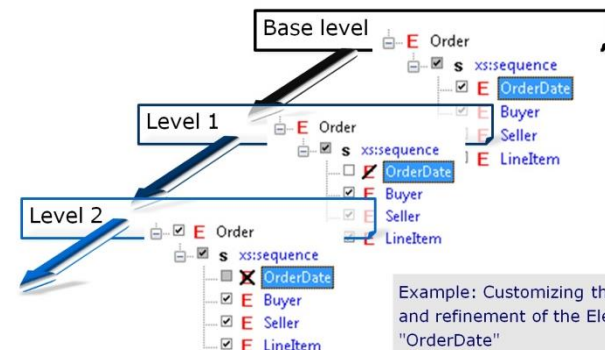
WCO Data Model Components

- Process definitions and descriptions
- UML data model, EDIFACT and XML schemas and related mappings
- Information Packages
 - Declaration (incl. SAD)
 - CITES ePermit, eCOO, ePhyto, eCert, eTIR

Collaboration & Governance

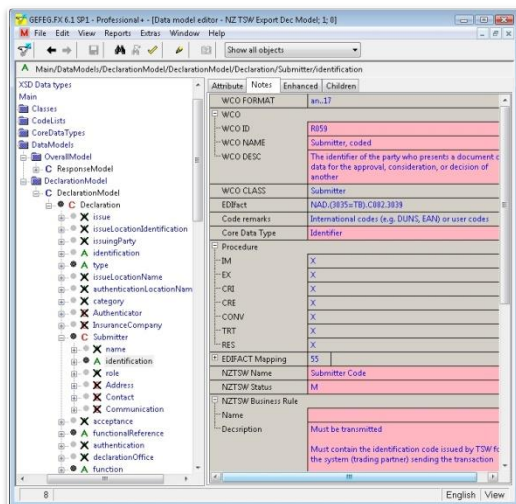


Customisation Approach with Guide Technology



WCO Data Model and GEFEG

- **WCO Data Model is developed using GEFEG.FX**
- **Official Distributor of the WCO Data Model**
- **Official Sales Agent of WCO Publications**



WCO Data Model Customisations on the Web

Netherlands [Declaration Management System Documentation \(EDIFACT MIGs\)](#)

New Zealand [NZ Trade Single Window Message Implementation Guidelines for Export Declaration](#)

Read more: [GEFEG.FX based publications on the Web](#)



NZ Trade Single Window
Message Implementation Guidelines

for
Export Declaration

JBMS Programme Version 1

Draft for consultation
14 February 2012

This document provides a set of draft message implementation guidelines for the Export Declaration.

The message implementation guidelines are based on the WCO3 data set, and are produced here for consultation and feedback.

Please provide feedback to the JBMS Programme about these draft guidelines by 24 February 2012, or indicate your interest in attending a consultation meeting in February by emailing jms@customs.govt.nz

Further detail on the consultation is available on the Customs website: www.customs.govt.nz keyword 'TSW'.

GEFEG.FX with WCO Data Model

WCO Data Model

Delivered with:

Non-editable non-customisable version

Study and view structure and relationship of data structures

1. GEFEG.FX with WCO Data Model Study Package

Non-editable customisable version

Reuse, develop and maintain national or compliant user specific customisations of the WCO Data Model

2. GEFEG.FX with WCO Data Model Customisation Package

Editable and extendable version

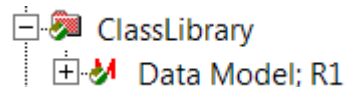
- Edit, customise and extend the WCO Data Model
- Integrate the WCO Data Model and its customisations into an existing meta data architecture
- Develop your own canonical models, schemas, EDI guides, based on other eStandard data

3. WCO Data Model Advanced Version

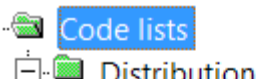
Add-ons:

- CCTS
- EDIFACT
- IDoc
- X12
- XML

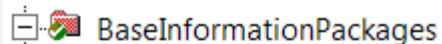
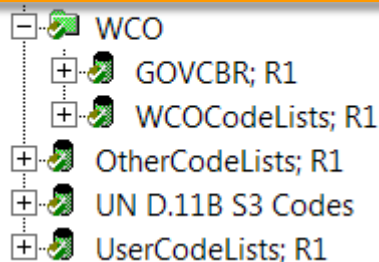
WCO Data Model Components



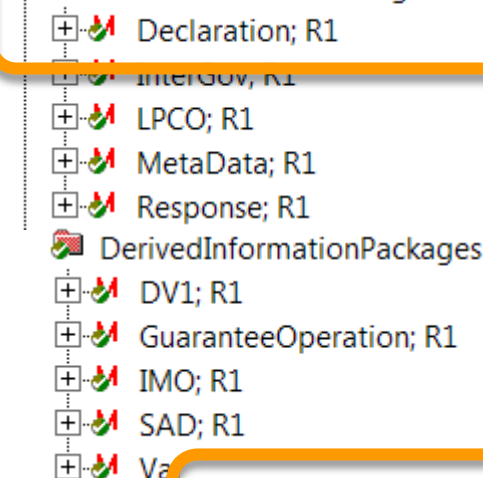
WCO Class Library



Code Lists



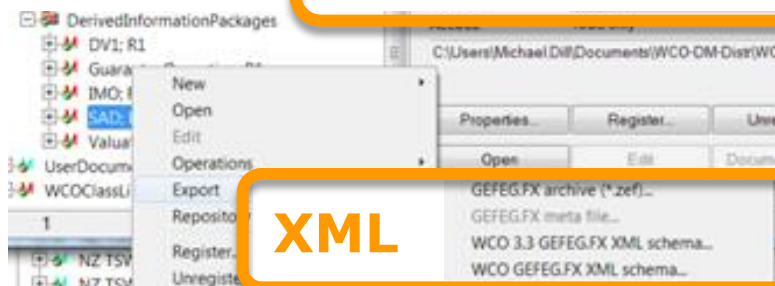
WCO Information Packages



EDIFACT



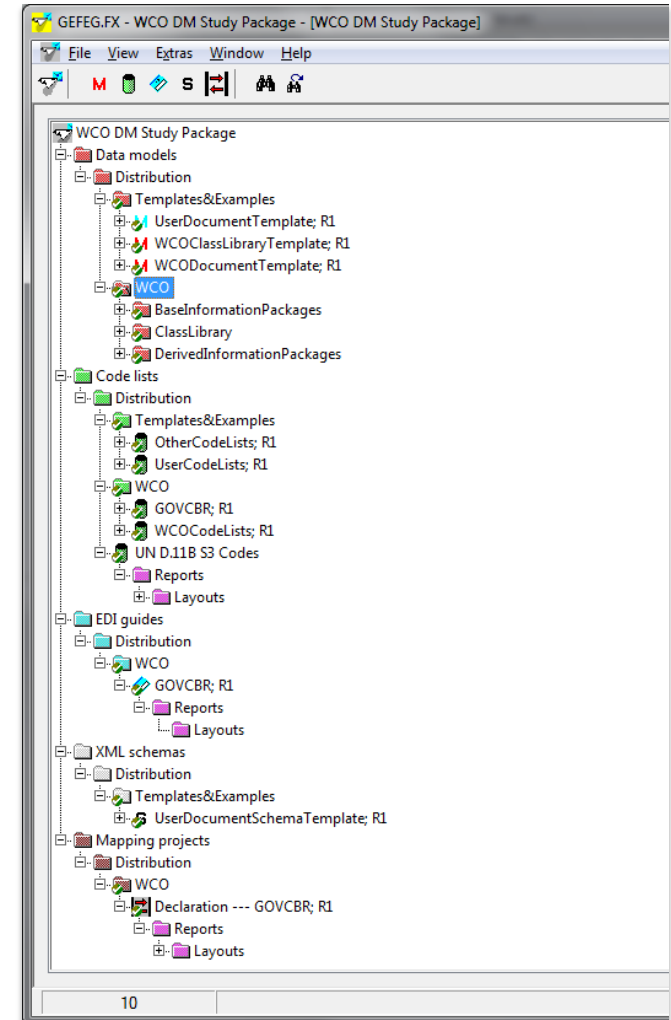
XML



GEFEG.FX with WCO Data Model Study Package

■ Study the WCO Data Model

- Browse and search in a simple navigable tree structure
- View the structure and relationship of data structures and view in graphical representations, i.e. UML class diagram
- Access to EDIFACT message implementation guides (MIGs), implementation notes and descriptions provided by WCO including EDIFACT GOVCBR mappings, where available



GEFEG.FX with WCO Data Model Customisation Package

- **Develop and maintain national or user specific customisations of the WCO Data Model very quickly and very efficiently**
 - Automatically compliant to the WCO Data Model.
 - Used for the development of software applications
 - An update mechanism does not affect your customization work if a new version of the WCO Data Model is released
 - Compare and report on **differences** between customisations
 - Automated generation of WCO XML compliant profile schemas from WCO Data Model customisations.
 - Mapping between WCO Data Model, its customisations, XML schemas, GOVCBR EDIFACT message implementation guides and administration or company specific applications.
 - Produce human-readable documentation of customisations with multilingual support

GEFEG.FX with WCO Data Model Customisation Package

Example: Localized Usage – National Notes

The screenshot displays two instances of the GEFEG.FX 6.1 SP1 - Professional+ software. The left window, titled 'Data model editor - WCO Data Model; 3.20; 09-09-2011', shows a tree view of the 'Declaration' data model. The right window, titled 'Data model editor - NZ TSW Export Dec Model;', shows a similar tree view. Both windows have a table with columns: Attribute, Notes, Enhanced, and Children. The 'Notes' column in the right window is highlighted with an orange box, showing a note: 'Must be transmitted to state the authentication result for the declaration'.

Attribute	Notes	Enhanced	Children
WCO ID	104		
WCO NAME	Authentication		
WCO DESC	Proof that a document has been authenticated indicating where appropriate the authentication party		
WCO CLASS	Declaration		
WCO FORMAT	an...35		
EDifact	AUT.9280		
Code remarks	User codes		
Core Data Type	Text		
Procedure			
IM	X		
EX	X		
CRI	X		
CRE	X		
CONV	X		
TRT	X		
RES			
EDifact Mapping			
&Id	340		
Remark			
StructureStatus			
IM	X		
EX	X		
CRI	X		
CRE	X		
CONV	X		
TRT	X		
RES			

GEFEG.FX plus WCO Data Model Advanced (Extensible) Version

- **Support of additional requirements in regard to the use of the WCO Data Model**
 - Edit and extend the WCO Data Model
 - Integrate the WCO Data Model and its customisation into an existing metadata architecture
 - Develop your own canonical models, schemas, EDI guides, also based on other eStandard data
 - Map between applications, canonical and internal exchange formats (such as SAP IDocs)
 - Describe Customs Interface Formats
- **Additional modules available, such as the EDIFACT, the X12, the IDoc and the CCTS module.**
- **Add-on for the GEFEG.FX with the WCO Data Model Customisation Package**