WCO Data Model Conformant Customization Techniques with GEFEG.FX

Efficient Adoption and Reuse of the WCO Data Model

GEFEG

- Official sales agent of the WCO Bookshop

- Official distributor of the WCO Data Model

  - GEFEG.FX with WCO Data Model Customization Package

  - GEFEG.FX with WCO Data Study Package

WORLD CUSTOMS ORGANIZATION
WCO Data Model
Official Distributor

GEFEG.FX with WCO Data Model Customization Package

- Develop and maintain national or user specific customisations of the WCO Data Model, which can be used for the development of software applications, and which are automatically compliant to the WCO Data Model.

- Produce human-readable documentation of customisations with multilingual support

- 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, EDIFACT message implementation guides and administration or company specific applications.
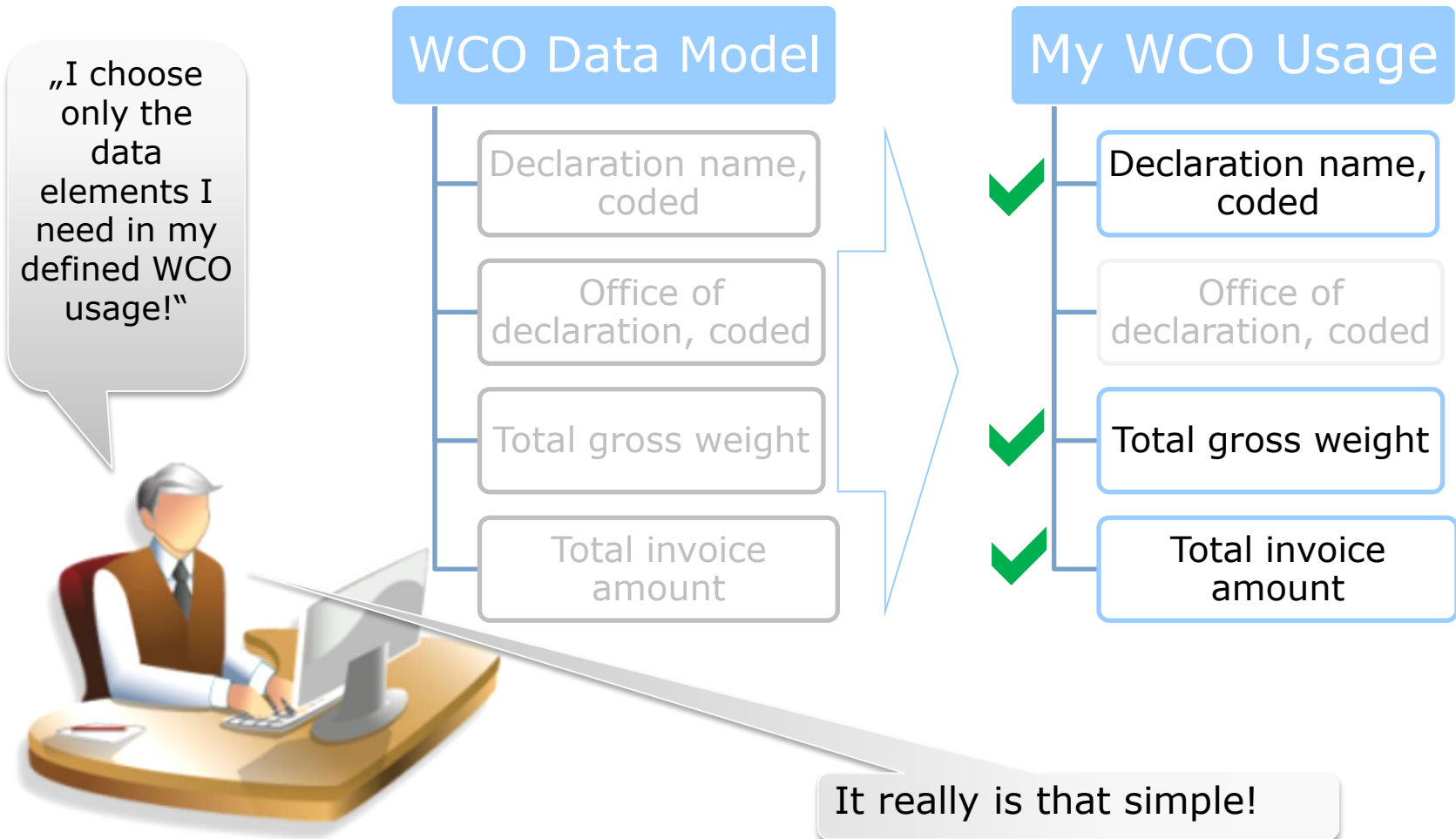
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The GEFEG.FX User Community

- The World Customs Organization

- The Netherlands' Customs

- New Zealand Customs Service

- Canada Border Service Agency

- Bundesfinanzdirektion of Germany

- The Revenue Commissioners of Ireland

- Thai Single Window

- Customers from other industries include BMW, Volkswagen, DAKOSY, Deutsche Post, DHL, GS1, IATA, SAP, Schenker, Siemens, Philips, Toshiba, SWIFT, UNECE, and many other users in 35 countries

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Support for Contextualisation

- **Restriction of data model structures** to remove those not required for use in national implementations

- **Addition of usage notes** for language translations, references to national legislation or message specific business rules etc.

- **Refinement of code values** for language translations, inclusion of national codes or restricted code lists

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Simple effective use of WCO Data model

"I choose only the data elements I need in my defined WCO usage!"

WCO Data Model

Declaration name, coded

Office of declaration, coded

Total gross weight

Total invoice amount

My WCO Usage

✓ Declaration name, coded

Office of declaration, coded

✓ Total gross weight

✓ Total invoice amount

It really is that simple!

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Business Needs Drive Implementation

Business Expert | **Technical Implementer**

My business contextualisations will be automatically „transformed" to support my technical implementation team.

Business Usage Documentation

XML Usage Documentation

Shared Structure diagram

Schematron validation rules

XML Schemas (XSD)
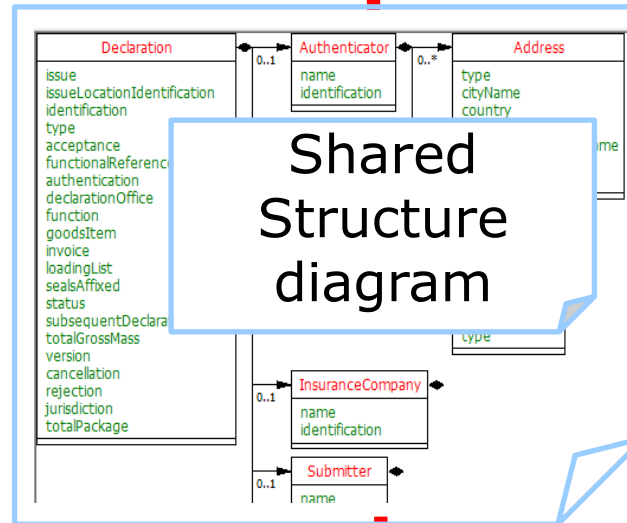
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Localized Usage - Cardinality

Localized Usage – Code Restrictions

Localized Usage – National Notes
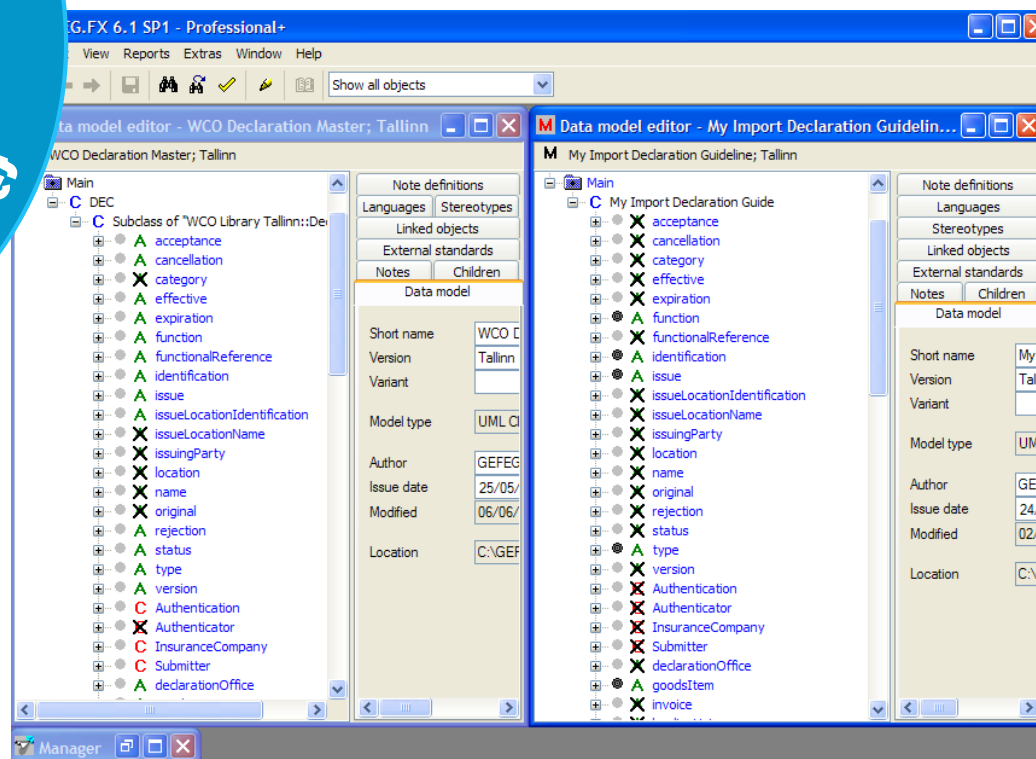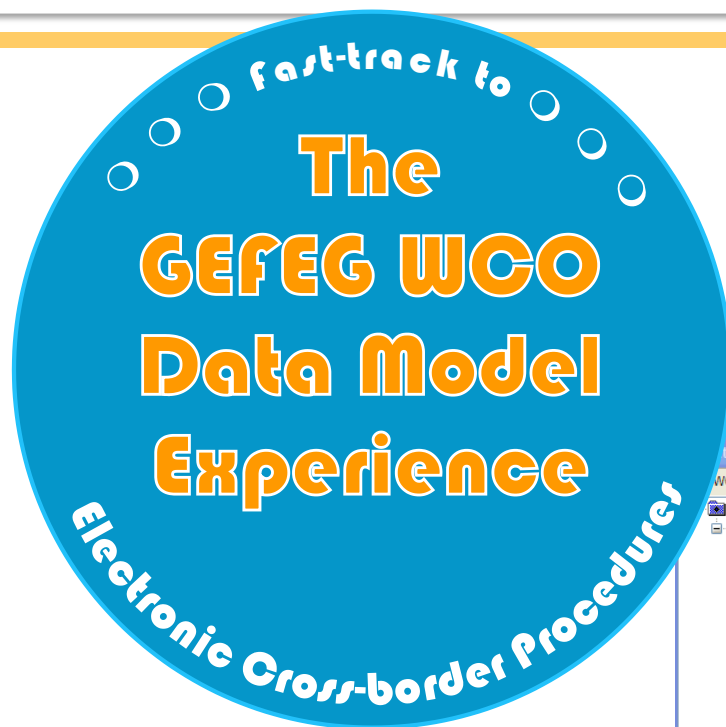
Now come and can see for yourself...

Summary of Benefits

- Future-proof data interchange – one solution for data models, XML schemas and classic EDI

- Improved overview and monitoring of data and projects

- Reusable content reduces development time, increases quality and consistency of e-business messages

- Single-source modeling approach provides for elimination of data redundancy resulting in reduced maintenance costs

- Unique layered guide concept provides IPR protection and supports eStandards migration and continued compliance with the WCO Data Model

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Thank You for Your Attention

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