

# EU CDM

(The EU Customs Data Model)

# An introduction

#### **Jean-Luc Delcourt**

Head of Sector
Data Integration and harmonisation
DG TAXUD, European Commission

# Presentation structure



#### **Introduction**

- Customs data Importance
- EU CDM Basic principles

#### Legal issues

- UCC data-related principles
- Legal framework Data-related texts
- Legal framework Main data-related blocks

#### The EU CDM

- Objective Method Tool
- Dissemination
- Publication
- Integrity features
- Consignment and shipment views
- How Legal provisions are included in EU CDM
- Mapping to WCO DM

# Introduction



- Data at the heart of <u>connectivity</u>.
- Data provided by traders is the life blood of Customs activity
- Without <u>quality data</u>, Customs cannot:
  - Collect revenue according to tariff and taxes
  - Protect society
    - by implementing prohibitions and restrictions
    - by assessing and preventing security risks presented by goods and people/traders involved in international transactions

#### >> Without quality data, Customs would be blind and powerless! <<

- ➤ Need to <u>strengthen</u> data quality
- ➤ How do we do this in the EU?
  - By creating a strong EU-wide <u>legal framework</u>
  - ➤ By integrating data requirements into a detailed common data model, the **EU CDM**



- EU data requirements based on the Union Customs Code (UCC).
- UCC data legal provisions are based on international standards such as the World Customs Organisation Data Model (WCO DM) and others.
- Data modelling developed by Commission in the EU CDM made on the basis of the WCO DM.





#### The **UCC** provides for the **general use of IT for:**

- the lodging,
- exchange and
- storage of information

#### Between:

- economic operators,
- customs administrations and
- where appropriate the EU Commission.





#### **Main Texts**:

- Union Customs Code (UCC) (Reg 2013/952)
- UCC delegated and implementing acts (UCC DA and IA) purview:
  - Title I, Chapter 2 (Common data requirements), and EORI (economic operators registration and identification)
- Annex B to UCC DA (Reg 2015/2446): Data requirements:
  - Data "matrix" (Heart)
  - Explanatory notes
- Annex B to UCC IA (Reg. 2015/2447):
  - Data formats and cardinality
  - Codes
- Annex A to UCC DA and UCC IA : Applications and decisions
- Guidelines (Under preparation in a C2020 project group)



#### UCC (Electronic declarations are the rule) >>

- Integration of provisions currently scattered
  - Customs declarations (previously "SAD") provisions
  - Pre-arrival / pre-departure "Security" provisions
  - Streamlined valuation data
  - "Simplified Customs declarations" data
- New "blocks":
  - "Fiscal" declarations
  - Arrival and presentation notifications, temporary storage
  - Customs goods manifest
  - Transit (Reduced data set and Electronic Transport Document)
  - Postal traffic import
- Total alignment with international standards
- Opportunistic updates ...

# The EU CDM

#### **Objective - Method - Tool**



- Objective: To integrate all this in a way that helps implementation.
- <u>Method</u>: Creation of an extension of the WCO DM with EU specificities (WCO DM + an EU "layer").

#### How?

- Use of specific tool (GEFEG FX) to develop the EU CDM which:
  - Helps to map the EU CDM against international standards, notably the WCO data model
  - Includes all necessary code lists
- ➤ Data elements and modelling defined in the tool are reused in many applications, based on customs declaration information, such as Surveillance 2+, BTI, CS/RD, Single Window...
- Schemas used for data exchange can rely on the data elements and structures of the EU CDM



#### Dissemination – National extensions

- The tool:
  - allows EU CDM data and structures to be made available to MS for IT development
  - allows other users (MS, traders) to inherit the EU CDM and to customise it in accordance with specific national requirements (Excise ...)
- MS can add their national data requirements layer on the common EU CDM
- EU-wide implementation commonality is ensured for EU legal obligations
   + Non harmonized national rules added to common EU CDM core.



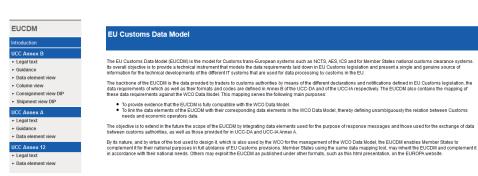
# The EU CDM

#### **Publication**

- EU CDM publication:
  - Read-only repository
     (in GEFEG.FX native formats)



In html format



Translations in all EU languages (currently under preliminary development)

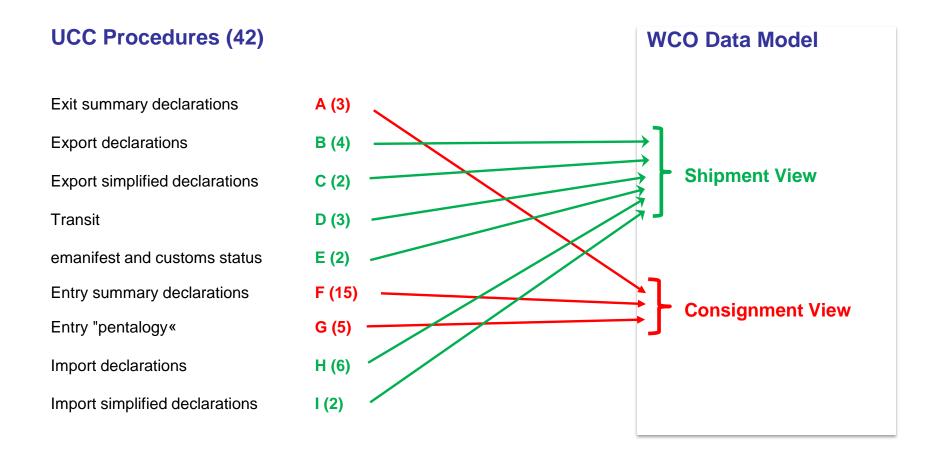


- UCC Annexes B-DA and B-IA publications can be automatically generated from a single source (Guarantee for absolute coherence between legal texts and EU CDM) (EU law <> EU CDM)
- Transformation of the UCC legal requirements into document structures via re-use and customization of the WCO DM (UCC Information Packages) (EU CDM < WCO DM)</li>
- Member States can reuse the UCC Information Package to:
  - Cover their requirements beyond the UCC annexes by extending the EU CDM for national technical and administrative purposes and other data sources (e.g. reporting formalities directive) but still based on the wider WCO Data Model (National implementations <> EU CDM-EU law)
  - Auto-generate their extended XML schemas

# **Consignment and shipment views**



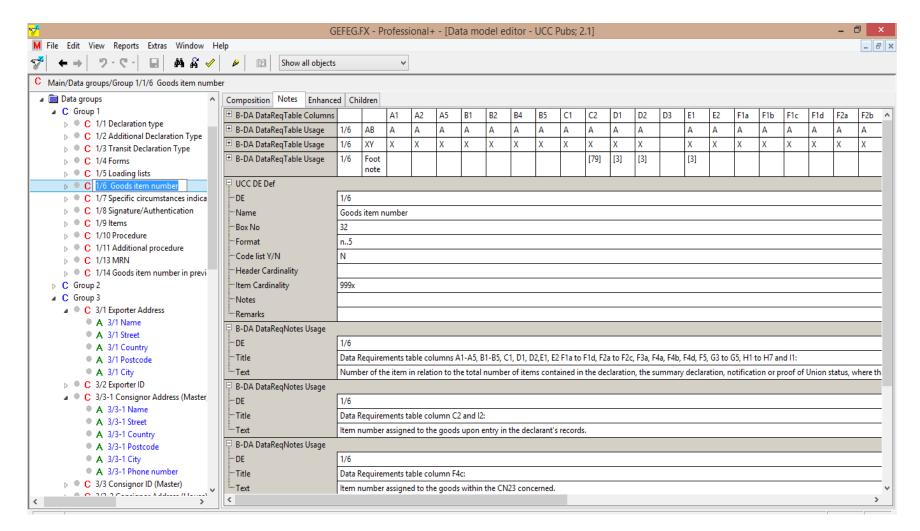




# How Legal provisions are included in EU CDM



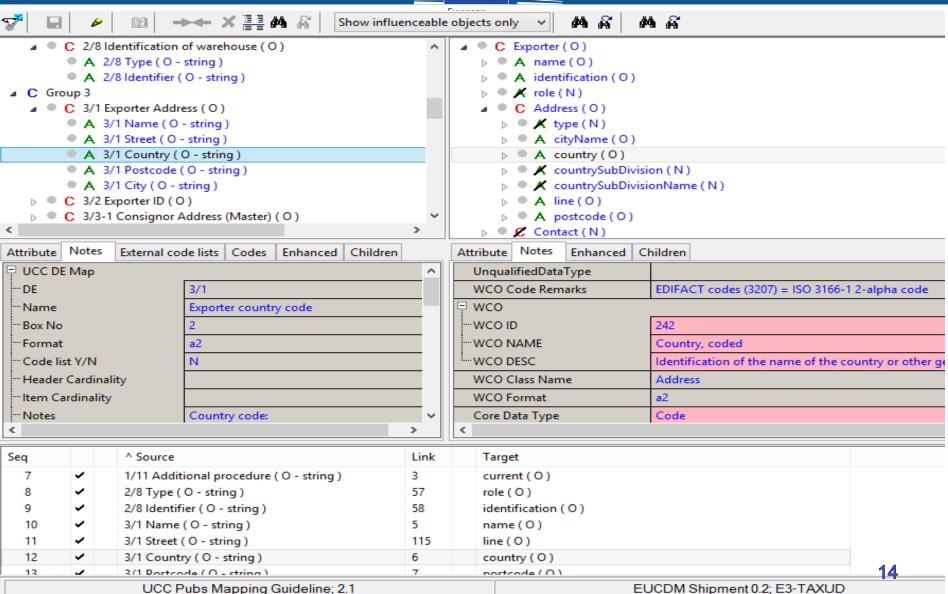
### The EU CDM



#### **Mapping to WCO DM**



## The EU CDM



## More information?



# THANK YOU VERY MUCH FOR YOUR ATTENTION

# ANY QUESTIONS ?

#### Jean-Luc Delcourt

- European Commission TAXUD A/3
- > Telephone: + 32 2 296 23 24
- e-mail: <u>Jean-Luc.Delcourt@ec.europa.eu</u>
- Web:
  <a href="http://ec.europa.eu/taxation\_customs/customs/customs\_code/union\_customs\_code/ucc/index\_en.htm">http://ec.europa.eu/taxation\_customs/customs/customs\_code/union\_customs\_code/ucc/index\_en.htm</a>
  and <a href="http://ec.europa.eu/taxation\_customs/customs/procedural\_aspects/general/sad/index\_en.htm">http://ec.europa.eu/taxation\_customs/customs/procedural\_aspects/general/sad/index\_en.htm</a>
- See also an article in <u>WCO news magazine</u> (page 60)