GEFEG
Passion for Standards

Industries

Transport & Logistics

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Transport & Logistics

Only few other sectors of the economy that have to fulfil such a large number of regulatory requirements as the logistics and transport sector. Depending on the country, means of transport and transported goods, logistics companies have to fulfil and implement a multitude of different regulations and documentation requirements. And last but not least, they have to implement their own company-specific requirements and specifications from business partners.

In the course of digitalisation, and also to benefit from cost rationalisation effects, these extensive documentation obligations are to be increasingly processed electronically and thus automatically. To ensure that this electronic data exchange functions as smoothly as possible and that all requirements can be met, globally recognised standards are required to which all actors involved orient themselves.
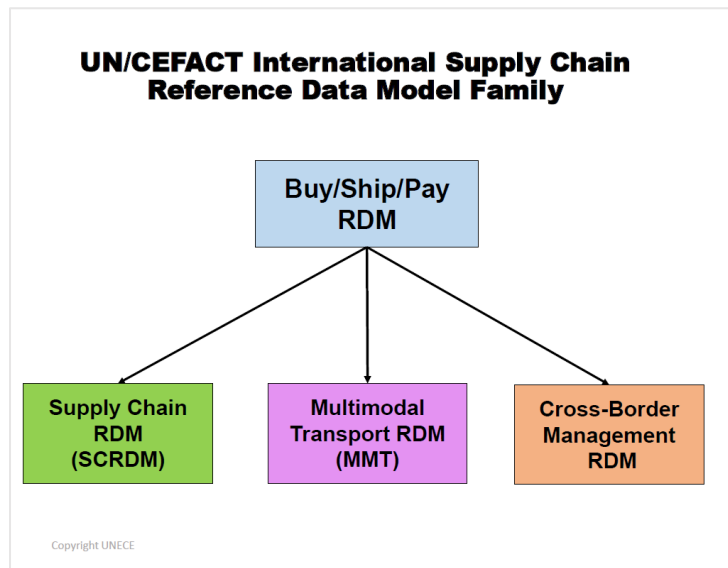
UN/CEFACT Multi Modal Transport Reference data model
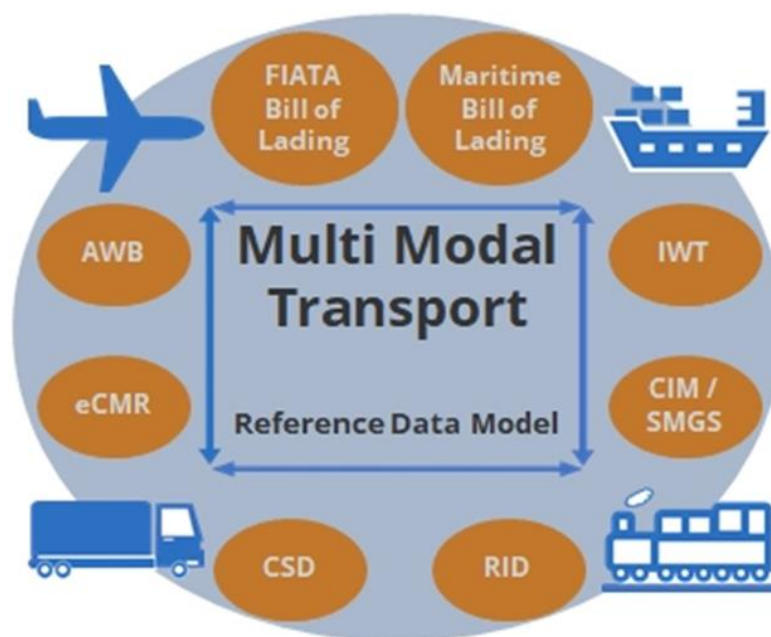
The comprehensive Multi-Modal Transport Reference Data Model (MMT RDM) covers the requirements of international freight forwarding and transportation, including related trade, insurance, customs and other regulatory documentation requirements based on the integration of best practices for trade facilitation, developed by UN/CEFACT.

The Multi Modal Transport Reference data model …

- is used for implementation in global supply chain management
- Is a subset of the Buy-Ship-Pay reference data model
- Shares semantic content with the Supply Chain and Cross Border Management RDM as part of the Buy-Ship-Pay Reference Data Model family
- Represents data exchange structures independent of the technical use of the data and is syntax neutral
- Serves as a common and neutral basis for the implementation of selective data exchange syntax(es)

UN/CEFACT International Supply Chain Reference Data Model Family

Buy/Ship/Pay RDM → Supply Chain RDM (SCRDM), Multimodal Transport RDM (MMT), Cross-Border Management RDM

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What is achieved by using the MMT data model?

- Harmonization of data
- Improved data flow throughout the supply chain
- Higher data quality and shorter time to market
- Interoperability
- Reusability of data structures
- Lower maintenance costs

GEFEG provides the Multi-Modal Transport Reference Data Model for use with GEFEG.FX software. We are looking forward to your email.

Harmonization of data in the transport sector - the why and the how: introductory webinar on using MMT to implement your business data

Data harmonization across and within the transport sector is very important and advantageous for exchange of data to support the business data exchanges of transport contracts, cargo operations, consignment and shipment tracking covering single or multimodal business processes. This closes the common gap between business and technical experts resulting in provides increased interoperability between the various involved parties supporting the transportation aspects of international supply chains.

UN/CEFACT Multi Modal Transport Reference Data Model

The UNCEFACT Multi Modal Transport Reference Data Model (MMT RDM) is a set of harmonised semantic structures covering all the data used in the transport and logistics sector for electronic data exchange and interoperability. The MMT RDM can be used as a key building block to support your implementation and data harmonization across any transport related documents.

During this webinar you will get to know the different component objects of MMT and receive comprehensive information on the concept, methodology and benefits of data harmonisation though the use of MMT RDM.

In this webinar you will learn how to …

- Reuse MMT for data harmonization and designing data exchanges with GEFEG.FX
- Contextualize MMT according to your business needs
- Use MMT publication artefacts for implementation including XSD exports

Any questions about the webinar and/or input on other webinar topics? We are looking forward to your [Email](#).

Who should participate?

Actors in the transport and logistics domain who need to plan and implement data exchanges based on UNCEFACT MMT RDM and benefitting from the unique customisation functionalities provided by the GEFEG.FX tool for specification and documentation of their MMT-based data exchange subsets.

What should you already know?

General knowledge of data modeling and UN/CEFACT standards and publications is desirable but not a requirement.

How long should you plan for the webinar?

Plan approximately 50 - 60 minutes for the webinar.

# Validation of SOLAS messages with gross mass data (VGM - Verified Gross Mass)

SMDG Validation Portal - Test BAPLIE and VERMAS messages

On 1 July 2016, amendments to the International Convention for the Safety of Life at Sea (SOLAS) entered into force. From this date, each consignor must provide the relevant carrier with information on the verified gross mass (VGM) of each container before stowage plans are drawn up.

GEFEG in cooperation with the SOLAS / VGM working group of the SMDG provides an online service for the validation of VGM related electronic messages. The validation of messages with gross mass information (VGM) should support and facilitate a smooth implementation of VGM requirements.

Checking BAPLIE und VERMAS with the SMDG Validation Portal

- Currently, test messages can be checked for compliance with versions BAPLIE v2.2, BAPLIE v3.1 and VERMAS v0.9.

- Fast and simple test procedure:

- Select and upload test message > Check message > View test result.

- The portal provides sample messages for immediate checking, which are either correct or have been intentionally generated with errors. Simply click on the "Check" button and check the results
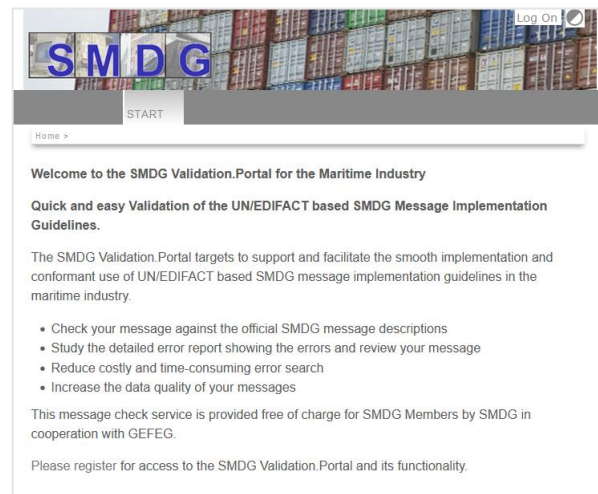
Try it out yourself and register at

[SMDG Validation.Portal for the Maritime Industry](#)

Our range of Services

We support you in your EDI and eBusiness activities with the following services …

- Consulting in connection with standards for the development of individual standard-compliant interfaces

- Development, adaptation and maintenance of standards and interfaces for the electronic handling of business processes in all areas of business and administration.

- Recording and documentation of individual flat-file formats and other interfaces

- Design of documents and interfaces as a canonical data model based on UML, UMM, CCTS

- Mapping of the data model into different data formats

- Design and representation of relationships between different interfaces in classical EDI and XML formats (capture of source and target formats and their mappings)

- Implementation guidelines describing the implementation of document data models in both EDI and XML syntax, such as EDIFACT, OAGIS, RosettaNet, X12, VDA etc.

- Development of documentation templates

- Code list management

- Incorporation of checks (business logic) with specific error messages for the validation of messages in GEFEG.FX or in GEFEG.Portal

- Planning and preparation of collaborative development work

- Presentation and publication of your interfaces in HTML format in Internet applications and on browser DVDs

- Support in configuring the infrastructure and organising repositories

- Planning and developing OpenAPI interfaces

Selected projects in the transport sector

Update of eTIR documents (interface between transport and customs)

Client: UN / ECE Transportdivision eTIR

Support of data model project for the EU Maritime Single Window Environment of EMSA and DG MOVE, European Commission

Client: European Commission, DG MOVE & EMSA

Support for the UN / CEFACT project global standardization of transport documents

Client: UN HQ via UN / CEFACT Development Agency

Consulting for the Regulation on electronic Freight Transport Information for rail, road, inland waterways and drone (eFTI)

Client: European Commission, DG Move, eFTI Regulation

Validation of Cargo XML messages in the Cargo-XML AutoCheck Portal

- The Cargo-XML AutoCheck portal supports IT professionals from the aviation industry in checking the interoperability of their software solutions based on Cargo-XML during development and production

In cooperation with IATA

Completion of vehicle logistics

- Development of EDIFACT message guidelines for WP 1 - Transport forecast and order process, for WP 2 - Transport status and vehicle status process.
- Development of sample messages for all EDIFACT specifications.

Client: Odette International, London, UK, German Association of the Automotive Industry (VDA), Berlin, ECG - The Association of European Vehicle logistics, Brussels, Belgium