

EU Initiatives: eFTI and EMSWe Development Projects

Literally speaking both eFTI and EMSWe are implementations of UN/CEFACT MMT and illustrate the trust in the experience and competence of UNECE TRADE and its standardisation activities.

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Disclaimer: This is a presentation of my views and understanding of the state of play of the EU Regulations (eFTI and EMSWe) and IMO Compendium implementations. These views are informed by my position as a team leader and they should not be taken as formal positions of the DTLF, European Commission or IMO.

eFTI Overview



FOCUS

- Regulation EU 2020/1056 is a delegated act (DA) defining a uniform legal framework on EU level for freight transport information
- mandates competent authorities to accept legally binding freight transport information in electronic form



Objectives

- EU-wide common regulation for the data exchange of freight-related information
- Interoperability across all modes of transport
- Establishment of eFTI platforms
- Reduction of bureaucracy by paperless processes
- Full application by Member States 08/2025



Specifications

- eFTI data set with unique data elements as a basis for electronic data exchange
- Integration of existing transport specific regulations such as COTIF, CMR, IATA, CMNI and their alignment with the eFTI data set.

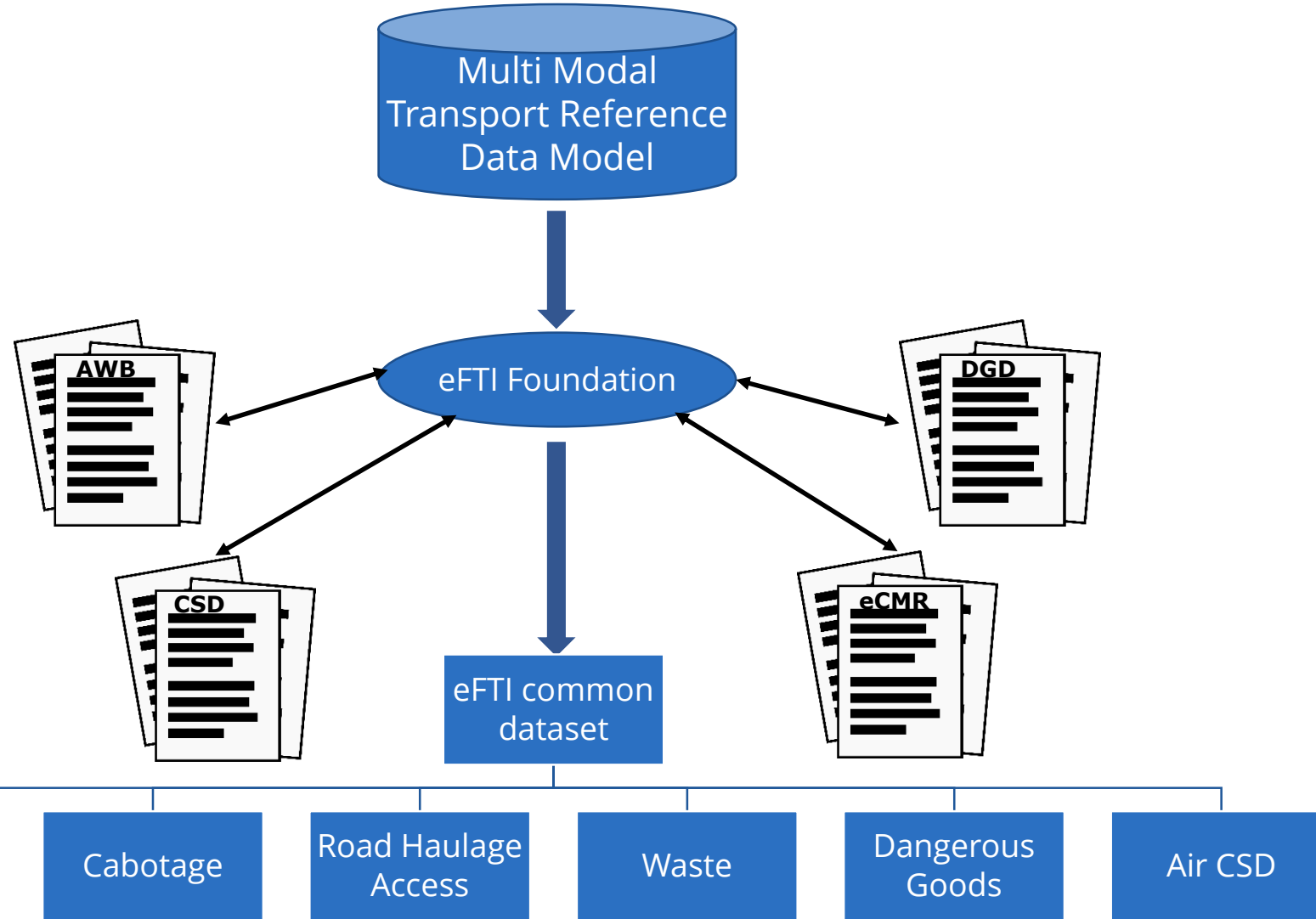
Which reporting obligations are covered by eFTI and the eFTI dataset?

- Access to international road haulage market -- Regulation (EC) No 1072/2009
- Aviation Security -- Regulation (EC) No 300/2008
- Combined Transport -- Directive 93/106/EEC
- Dangerous Goods -- Directive 2008/68, ADN 2021(IWT), ADR (Road), RID (Rail)
- Rail Interoperability -- Directive 2016/797
- Rates and Conditions -- Regulation No 11
- Waste Shipments -- Regulation (EC) No 219/2009

eFTI Dataset

- How are the regulations represented in the data set?

Structure of the eFTI Dataset



International data model serving as base for the eFTI data set

Already existing standards for transportation and their requirements for data are mapped to the data set

Contextualization of the eFTI dataset to the needs of transportation modes via Subsets

eFTI dataset references and links

- The eFTI dataset also references corresponding data defined in:
 - EMSWe
 - EUCDM
 - UN/EDIFACT
 - IMO
 - ICAO and to industry deliverables such as from DCSA and FIATA through the use of the same reference data model
- As well as links to the previously mentioned regulations and its data requirements
- The more the eFTI development progresses, the more commercial data become part of the eFTI common data set on request of EU member state legislation

EMSWe Overview



FOCUS

- Legal framework of the European Commission regarding reporting obligations for ships calling at EU ports
- Establish a legal and technical framework for all aspects of electronic transmission between the EU and stakeholders
- Facilitation of maritime transport



Objectives

- Establish a EU-wide regulation to overcome national MSW regulations
- Technologically neutral and interoperable
- Reduction of bureaucracy and paperwork, harmonising national digital systems and improving efficiency in maritime industry
- Harmonised rules for the handling of information



Specifications

- EMSWe Data Set and Messages Implementation Guidelines
- Exchange formats for sending / receiving data
- Database services (such as dangerous goods, sanitation, location)

EMSWe Components

EMSWe DATASET

Defining a common, harmonised dataset which can cover all data elements required to fulfilling reporting obligations applied to ships arriving to, staying in and leaving all ports of the EU.

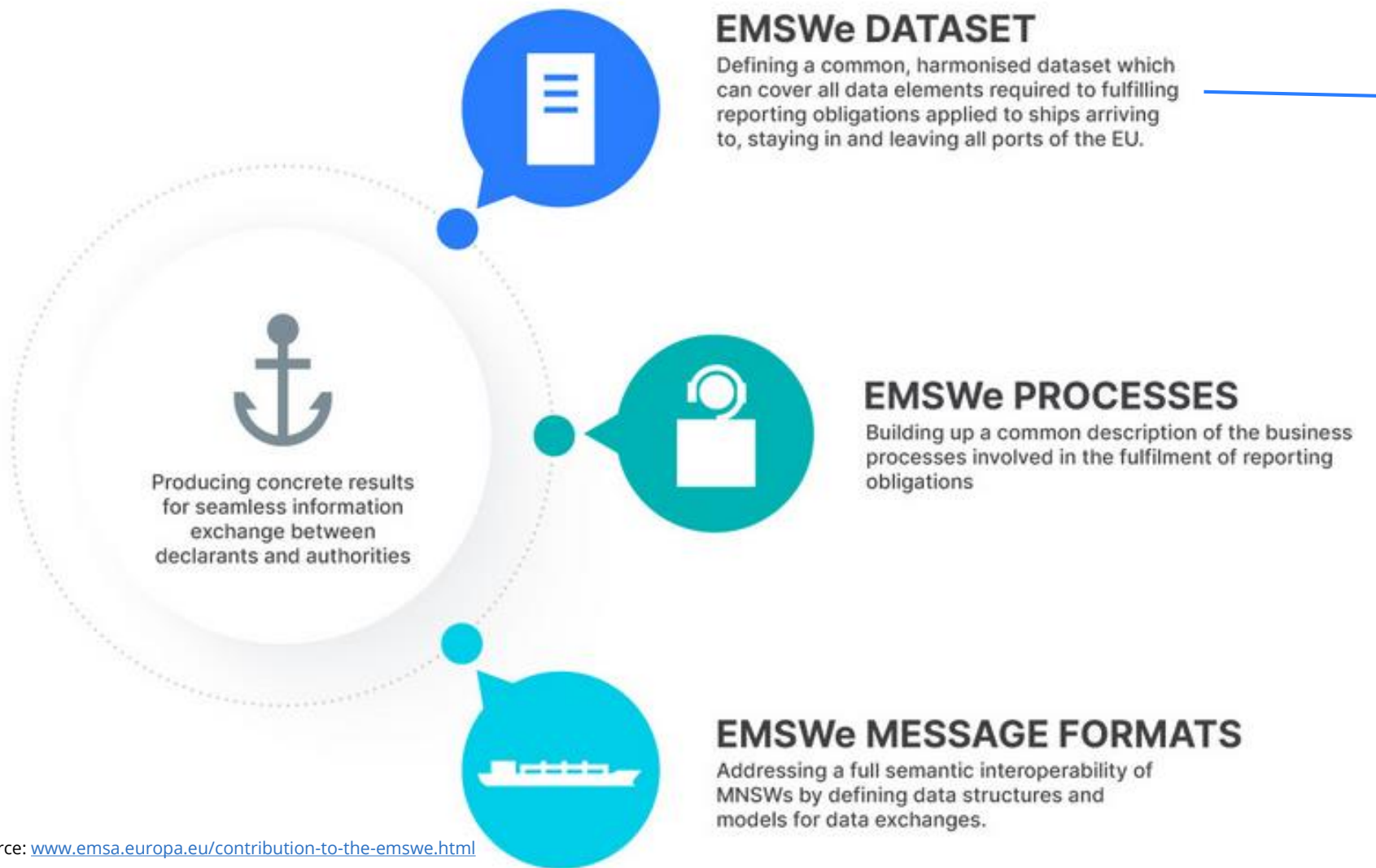
- Delivered in July 2021
- Latest version published in DA 2023/205 on 7 November 2022
- Contains 1115 data elements in 91 data groups
- Mapped with the
 - IMO Compendium on Facilitation and Electronic Business
 - EU Customs Data Model (EUCDM)

EMSWe PROCESSES

Building up a common description of the business processes involved in the fulfilment of reporting obligations

EMSWe MESSAGE FORMATS

Addressing a full semantic interoperability of MNSWs by defining data structures and models for data exchanges.



Producing concrete results for seamless information exchange between declarants and authorities

Source: www.emsa.europa.eu/contribution-to-the-emsw.html

EMSWe covers reporting obligations related to ships arriving to, staying in and leaving ports of the EU

EU Requirements

A1 - Notification for ships arriving in and departing from ports of the Member States

A2 - Border checks on persons

A3 - Notification of dangerous or polluting goods carried on board

A4.1 - Advance waste notification

A4.2 - Waste delivery receipt

A5 - Ship pre-arrival security information

A6.1 - Number of persons sailing on board passenger ships

A6.2 - Information on persons sailing on board passenger ships

Customs formalities

A7.1 - Notification of arrival

A7.2 - Presentation of goods to customs

A7.3 - Temporary storage declaration of goods

A7.4 - Customs status of goods

A7.5 - Electronic transport documents used for transit

A7.6 - Exit notification

A7.7 - Exit summary declaration

A7.8 - Re-export notification

A8 - Safe loading and unloading of bulk carriers

A9 - Notification of arrival of ships eligible for an expanded inspection

A10 - Maritime transport statistics

IMO Compendium

B1 - FAL 1: General Declaration

B2 - FAL 2: Cargo Declaration

B3 - FAL 3: Ship's Stores Declaration

B4 - FAL 4: Crew's Effects Declaration

B5 - FAL 5: Crew List

B6 - FAL 6: Passenger List

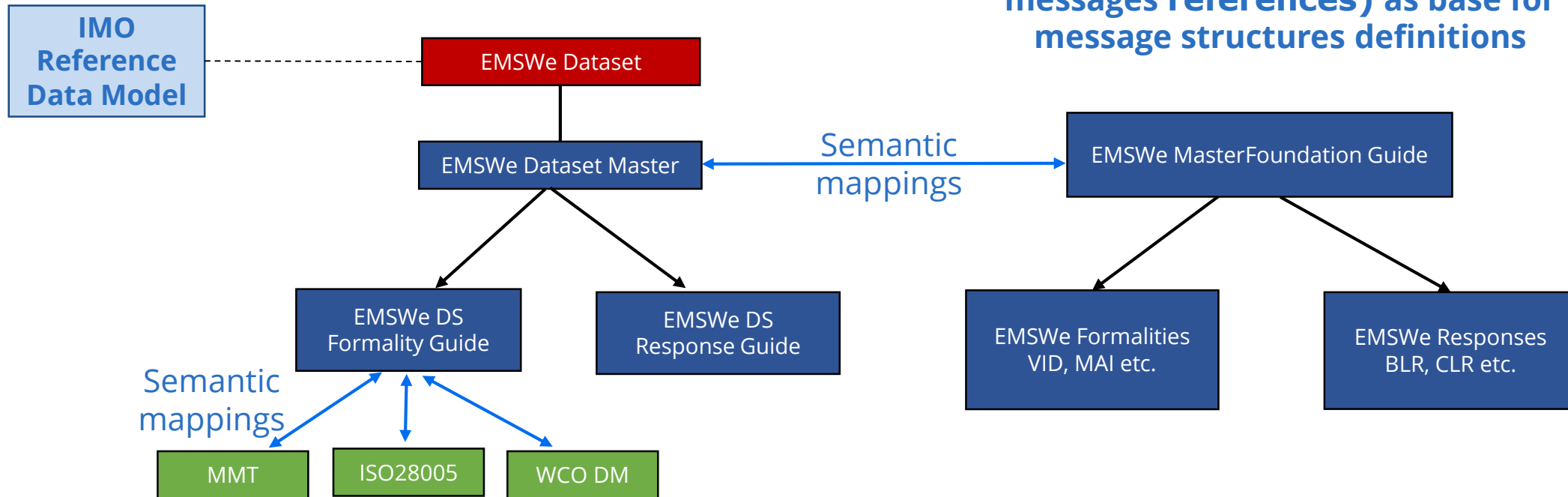
B7 - FAL 7: Dangerous Goods

B8 - Maritime Declaration of Health

Information Structure, Data Architecture, IMO reference

IMO Reference Data Model references defined in the EMSWe Dataset where applicable

UN/CEFACT MMT RDM (with EDIFACT messages references) as base for message structures definitions



EMSWe Dataset Reference to IMO Reference Data Model

- The EMSWe dataset references corresponding data defined in the IMO reference data model relevant for EU maritime reporting
- The information is referenced and implemented in the EMSWe following the rules and regulations of the IMO
- All global maritime ports must abide to the rules and regulations outlined by the IMO
- The EMSWe adopts and reuse these data requirements as outlined in the IMO Compendium on facilitation and electronic business

EMSWe Delegated Act – References to the IMO Compendium

Names, formats and definitions of data elements

ID	Name	Description	Format	IMO Compendium	UCC Annex B	Code list	Business Rules
DG-001	General						
DE-001-01	Measurement unit, coded	A code representing the units of measured for a referenced quantity on board, such as crew's effects, ship's stores, and cargo.	an..3			UN/ECE Recommendation 20 (EDIFACT codes 6411)	
DE-001-02	Sequence number	A sequence number given to an element in a list	n..5				
DG-002	Message header						
DE-002-01	Message date time	The date and time the message is sent	an..35	IMO0078			BR-001
DE-002-02	Authentication date time	Date and time when the information contained in the formality has been certified by the declarant.	an..35	IMO0014	1506000000		BR-001



Passion for Standards

