

# **UN/CEFACT 35<sup>th</sup> Forum**

## **Transport & Logistics Domain**

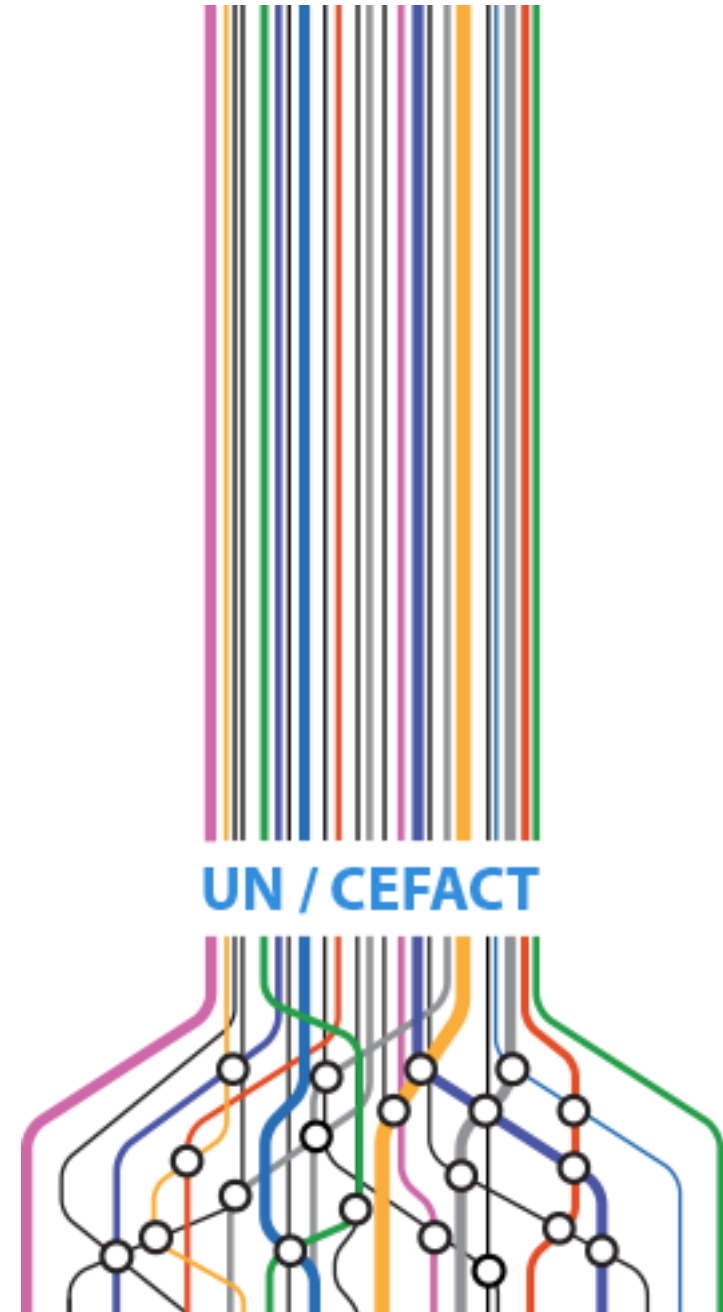
### **9 October 2020**

Update on IFTDGN Dangerous Goods project

Update on IMO FAL electronic compendium mapping project

#### Webinar best practices:

- Please mute your microphone when not speaking
- Try to avoid echos by using a specialized microphone or a headset
- Avoid interrupting or speaking over each other
- Use the raise hand function to request the floor
- Use the chat for comments
- In webinar events, use the Q&A for questions related to the interventions

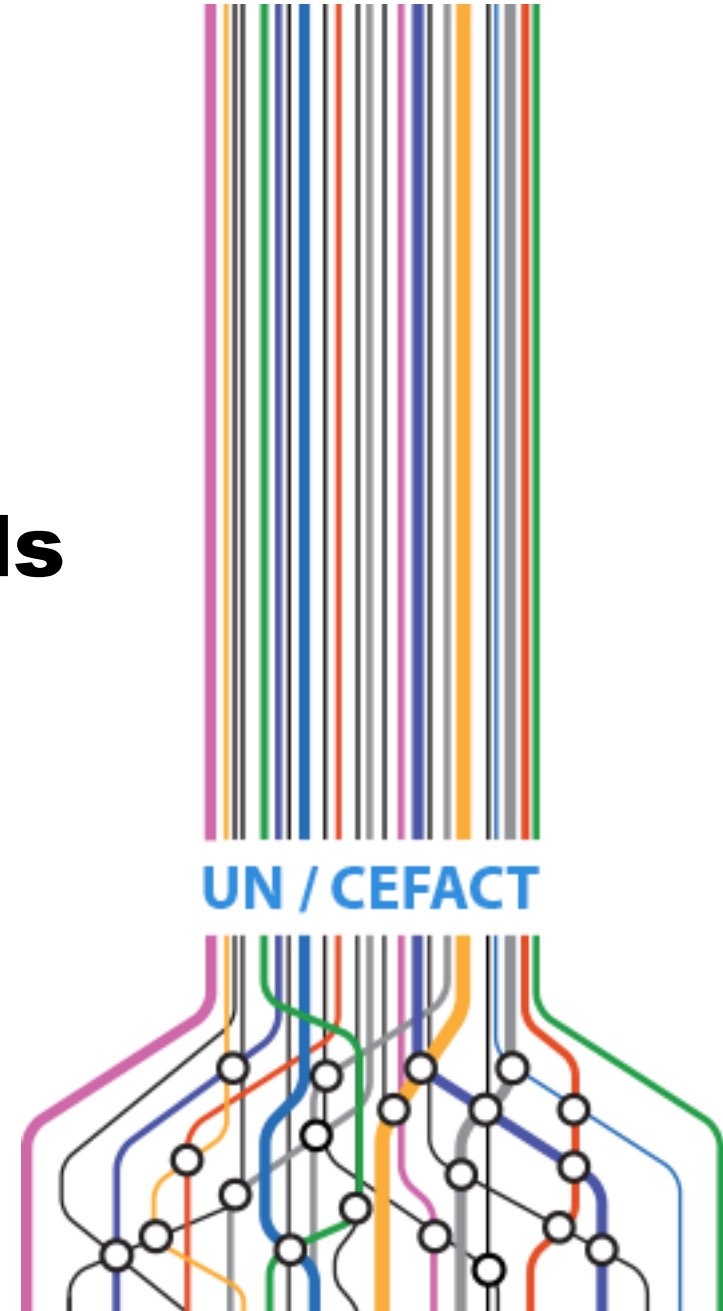


# UN/CEFACT Projects

1. IFTDGN Dangerous Goods
2. IMO FAL electronic compendium mapping

# P1090 – IFTDGN Dangerous Goods

Current Status of the UN/CEFACT Project



UN / CEFACT

# IFTDGN Dangerous Goods

Work done :

- IFTDGN edifact message implementation guide v2.1 on [protect-group](http://protect-group.com) website
  - consolidated version with corrigenda 2009, 2011 and 2015-04
  - Including guidelines on hazmat-reporting (MARPOL)
- UN/CEFACT DMRs (#7) are issued to UNECE Secretariat for D.20B

# IFTDGN Dangerous Goods

DMR (1):

Extend cardinality for consignments (CNI)

<p><b>Business Need/justification :</b></p>	<p><b>Increase number of consignments</b>            In current practice we sometimes experience that the current number of consignments as facilitated by the IFTDGN-message is insufficient. Therefore we propose to extend this number of consignments from 999 to 9999.</p>
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<p><b>Proposed change :</b></p>	<p>Extend max. number of occurrences of SG7 (CNI) from 999 to 9999.</p>
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# IFTDGN Dangerous Goods

DMR (2):

Extend cardinality for goods item details (GID) within consignments (CNI)

<b>Business Need/justification :</b>	<b>Increase number of goods item details</b> In current practice we sometimes experience that the current number of goods item details within a consignment as facilitated by the IFTDGN-message is insufficient. Therefore we propose to extend this number of goods items from 99 to 999.
<b>Proposed change :</b>	Extend max. number of occurrences of SG12 (GID) within SG7 (CNI) from 99 to 999.

# IFTDGN Dangerous Goods

DMR (3):

Extend cardinality for involved parties (NAD) within consignments

<p><b>Business Need/justification :</b></p>	<p><b>Increase number of parties for consignment</b></p> <p>To get a clear view of all responsibilities involved in a consignment harbor masters need to know – besides carrier’s agent and forwarder – parties with following roles</p> <ul style="list-style-type: none"> <li>• FU Hazardous material office. The office responsible for providing information regarding hazardous material.</li> <li>• CN Consignee. (3132) Party to which goods are consigned.</li> <li>• CZ Consignor. (3336) Party which, by contract with a carrier, consigns or sends goods with the carrier, or has them conveyed by him. Synonym: shipper, sender.</li> <li>• TR Terminal Operator. A party which handles the loading and unloading of marine vessels.</li> </ul> <p>Hereto the current number of addresses within a consignment as facilitated by the IFTDGN-message is insufficient. Therefore we propose to extend this number of addresses from 2 to at least 6.</p>
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<p><b>Proposed change :</b></p>	<p>Extend max. number of occurrences of SG10 (NAD) from 2 to 9.</p>
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# IFTDGN Dangerous Goods

DMR (4):

Extend cardinality for contacts (CTA) of involved parties within consignments

<p><b>Business Need/justification :</b></p>	<p><b>Increase number of information contacts for hazardous material</b>          For offices responsible for providing information regarding hazardous material it should be possible to specify two contacts. Therefore we propose to extend this number of contacts from 1 to at least 2.</p>
<p><b>Proposed change :</b></p>	<p>Extend max. number of occurrences of segment group SG11 (CTA-COM) within SG10 from 1 to 9.</p>



# IFTDGN Dangerous Goods

DMR (5):

Extend cardinality for communication details (COM) for contacts of involved parties within consignments

<p><b>Business Need/justification :</b></p>	<p><b>Increase number of communication segments for consignment contact</b>          In current practice we sometimes experience that the current number communication details of contact persons for consignments as facilitated by the IFTDGN-message is insufficient. Therefore we propose to extend this number of consignments from 1 to at least 3.</p>
<p><b>Proposed change :</b></p>	<p>Extend max. number of occurrences of COM segment within SG11 from 1 to 9.</p>

# IFTDGN Dangerous Goods

DMR (6):

8169 Full or empty indicator code

**Business  
Need/justification :**

**Further specification of empty tanks/empty tank containers**

The latest EMSA guidelines on the reporting of dangerous cargo on board of seagoing vessels indicate the requirement to specify the conditions of empty tanks and empty tank containers. These conditions relate to the presence of residue and/or gas (either or not inert) in the empty tank or tank container. Harbour masters need this information as well, to know under which circumstances inspections of these tanks will be executed. For the latter, the indication for inert gas is important for not-empty tanks as well.

It is proposed to extend the list of values for element 8169 Full or empty indicator code in the EQD segment to specify conditions above. Codes for all applicable combinations of the matrix below should be present; in this proposal it is as extensions to the existing codes for “empty” (4) and “full” (5).

8169	Not gas free	Inert	Gas free
Empty, clean	n/a	46	43
Empty unclean, no residue	41	42	n/a
Empty, with residue	44	45	n/a
Not empty	51	52	n/a

# IFTDGN Dangerous Goods

DMR (7):

6313 Measured attribute code  
(SG14-MEA; SG15-MEA)

<b>Business Need/justification :</b>	<b>Add qualifiers for Control temperature and Emergency temperature</b> In order to better control the safety of transport and handling of self-reactive substances and organic peroxides, harbour masters require additional information regarding the control temperature and the emergency temperature of the cargo stowed.
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<b>Code Name (*):</b>	<b>Control temperature in Degrees Celsius</b>
<b>Code TAG (*):</b>	<b>TCC</b>
<b>Action (*):</b>	<b>ADD</b>
<b>Code definition (*):</b>	The controlled transport temperature to avoid decomposition of self-reactive substances (subgroup in class 4.1) and organic peroxides (class 5.2)
<b>Code Note:</b>	
<b>Code Name (*):</b>	<b>Emergency temperature in Degrees Celsius</b>
<b>Code TAG (*):</b>	<b>TCE</b>
<b>Action (*):</b>	<b>ADD</b>
<b>Code definition (*):</b>	The temperature at which emergency response is required for self-reactive substances and organic peroxides.

# IFTDGN Dangerous Goods

To do – Modelling :

- include all IFTDGN-data elements in UN/CEFACTs Multi Modal Transport-model (MMT)
  - more detailed/extensive then IMO FAL 7-obligations
- based on MMT-model, generate alternative DG-message formats  
e.g. XML and JSON Rest APIs

# IFTDGN Dangerous Goods

To do – Information gathering :

- get into contact with parties who expressed interest in the un/cefact project
  - FONASBA
  - UNECE/ECOSOC Sub-Committee of Experts on the Transport of Dangerous Goods (TDG)

# IFTDGN Dangerous Goods

To do – Information gathering (2) :

- Send out a survey w.r.t. the use of IFTDGN (not only IPCSA-members, but also globally)
- joint workshop with IPCSA/PROTECT delegation to gather functional input of possible relevant ideas or areas of interest

# IFTDGN Dangerous Goods

To do :

after the information gathering we will set up

- a detailed project plan
- with timelines & deliverables

## PROJECT DELIVERABLES

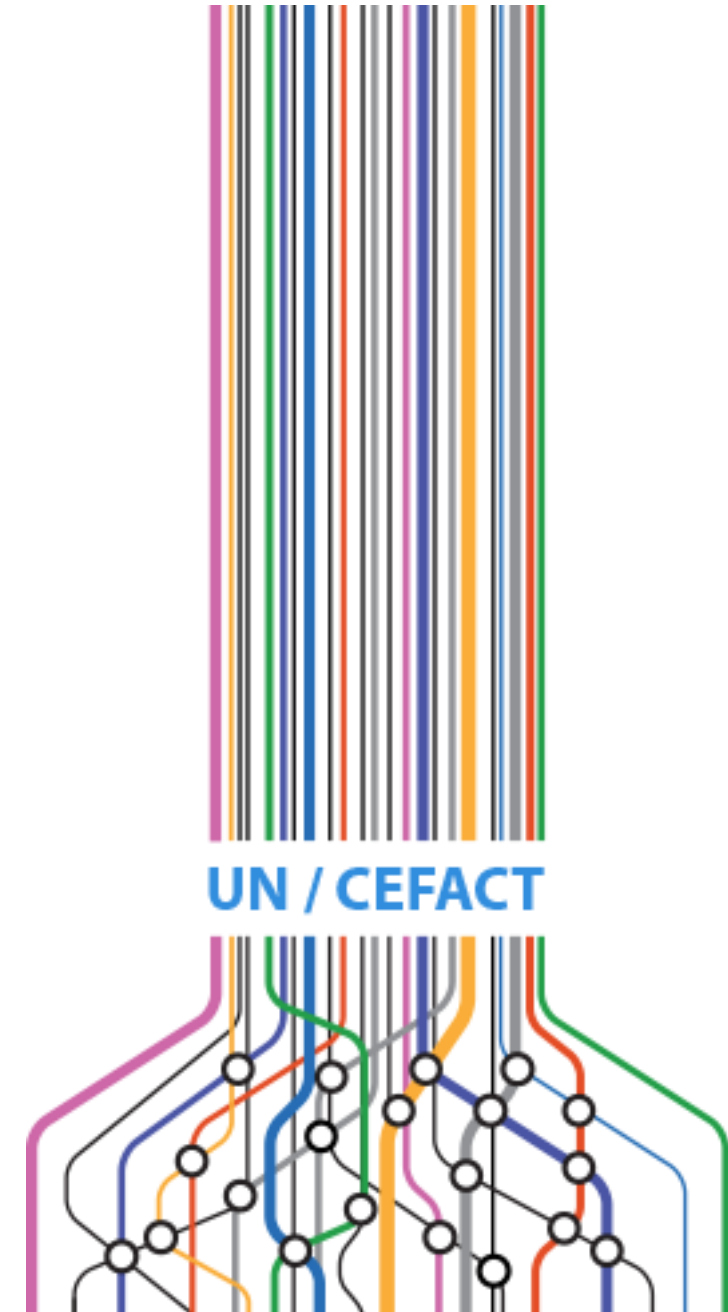
Deliverable 1: BRS

Deliverable 2: Updated UN/EDIFACT message definition for the IFTDGN UNSM

Deliverable 3: XML schema with relevant submissions to the CCL and MMT-RDM

# P1061 – IMO FAL electronic compendium mapping

Current status of the UN/CEFACT project



UN / CEFACT



# IMO FAL eCompendium Mapping

## Introduction – Purpose & Use

- The Compendium is a tool for efficient, electronic transmission in a way intended to minimize the burden on shippers, crews, agents, port authorities and other stakeholders
- IMO Data Set & IMO Data Reference Model promotes harmonisation among the relevant international standards used for electronic business (UNECE, WCO, ISO)
- The eCompendium is maintained by IMO via the installed Expert Group on Data Harmonisation (EGDH) and is instructed to include data sets beyond the original FAL-obligations (*decision FAL 44 on 2/10/2020*)

# IMO FAL eCompendium Mapping

Work done :

- MMT-mapping for original scope
  - 7 FAL Forms
  - Security Report
  - Waste declaration
- extended scope for extra mapping of the Maritime Declaration of Health (MDH)
  - mapping done & submitted for D20.B

# IMO FAL eCompendium Mapping

Ongoing :

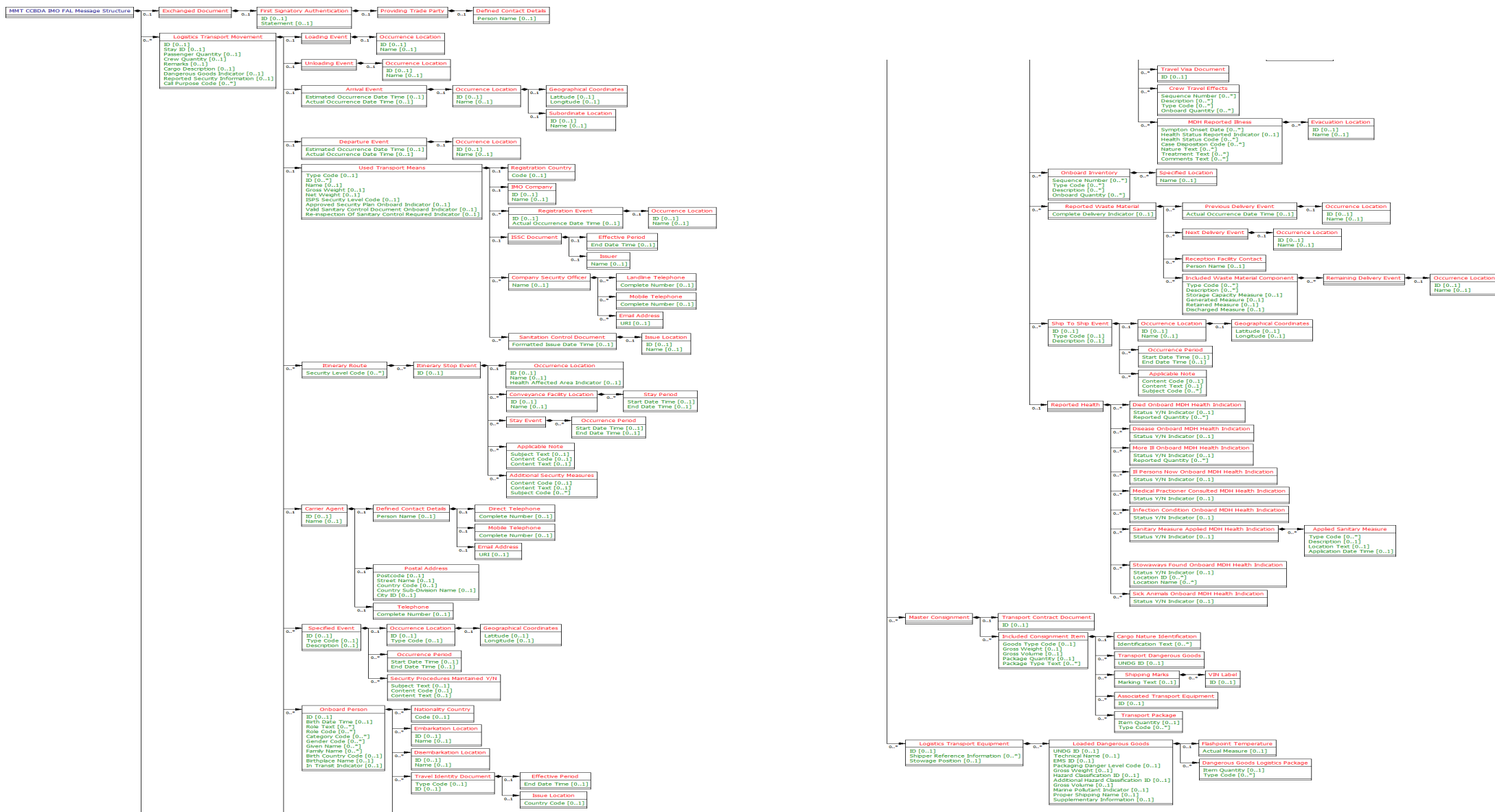
- Analysis of the actual use of the different FAL messages:
  - CUSREP, CUSCAR, PAXLST, IFTDGN, WASDIS, ...
  - ? Additional survey needed
- Evaluating actions to create
  - new message standards in XML-format
  - new message standards in JSON API-format

# IMO FAL eCompendium Mapping

To do :

- Design a specific, new MDH-message
  - Define message structure
    - UML Diagram
    - XSD Schema
  - Define Message Implementation Guide (MIG)
  - Publish

# IMO FAL eCompendium Mapping



# IMO FAL eCompendium Mapping

- IMO launched a new video to illustrate the use of the IMO eCompendium, by using the IMO Data Set and the IMO Data Reference Model:
- “Facilitating Digital Data Exchange in International Shipping”

# For further information

**PROJECTS LEADER**

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***Business Architect Digitalisation & Port Community Projects***

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