

International Forwarding and Transport Messages Project

UN/CEFACT 35th Virtual Forum
OCTOBER 2020

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Project Brief

- UN New York launched **COVID-19 initiative to encourage exchange of digitised electronic data** rather than paper documents in transport contract related data exchanges
- Many operators still have a document-centric approach to data exchange including **wide use of the IFT*** family** of UN/EDIFACT UNSMs
- Transport contract related data exchanges are not very visible on the UN/CEFACT website and could **benefit from documented individual business requirements specifications (BRS)** and data exchange structures.
- **7 Heads of Delegation** Supported the Project (Germany, Spain, Greece, Russia, Italy, US and Ukraine)



Deliverables

- Revised version of the **International Forwarding and Transport BRS** (covering the over-arching data requirements)
- Sub-BRS (separately published section) on **Booking messages** (covering provisional, firm and confirmation)
- Sub-BRS (separately published section) on **shipping instructions**
- Sub-BRS (separately published section) on **Waybill**
- Sub-BRS (separately published section) on **Status report/request**
- **CCBDA message structure** and schema for all of the above documented business requirements





Deliverables – BRS



UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE
UNITED NATIONS CENTRE FOR TRADE FACILITATION
AND ELECTRONIC BUSINESS (UN/CEFACT)

BUSINESS REQUIREMENTS SPECIFICATION (BRS)

International Forwarding & Transport Version 1.0

2008



2020

Overall
BRS

Booking
BRS

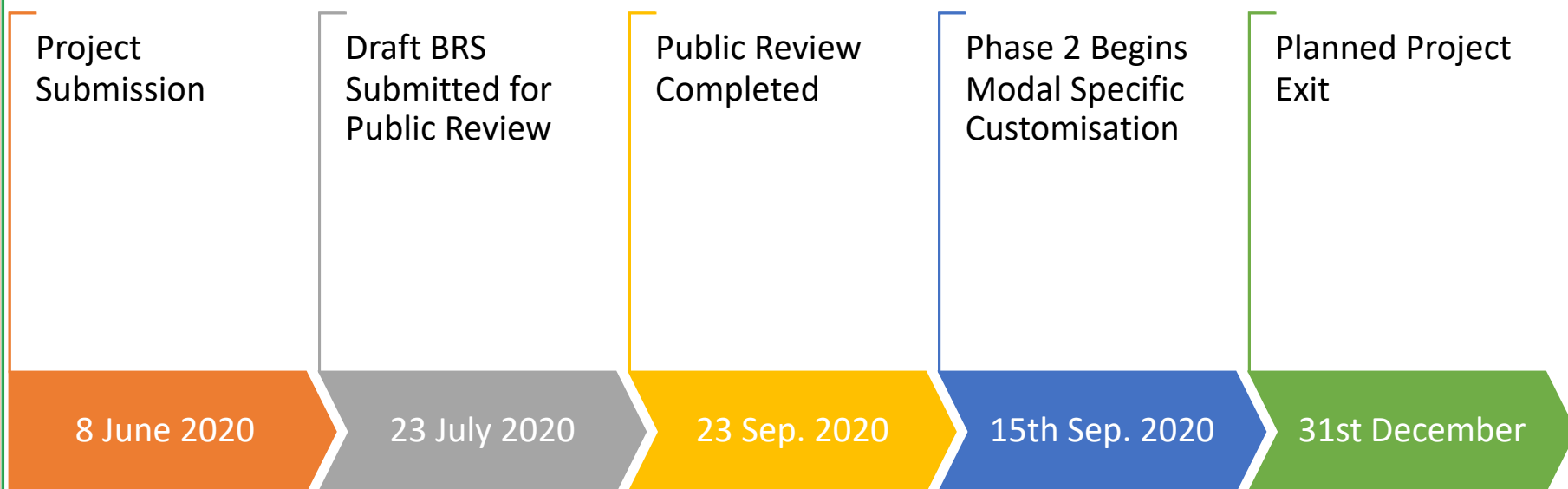
Shipping
Instruction BRS

Waybill
BRS

Status
Report/Request BRS



Project Timescale





Participation



33 Project Calls split between the mode specific teams



34 Active participants providing valued industry feedback and domain knowledge



Phase 2 - Modal Specific Customisation



Air Freight



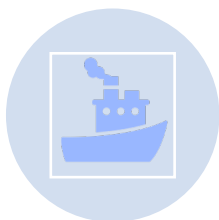
Road Freight



Sea Freight



Rail



Inland Waterway
(tbc)





Rail

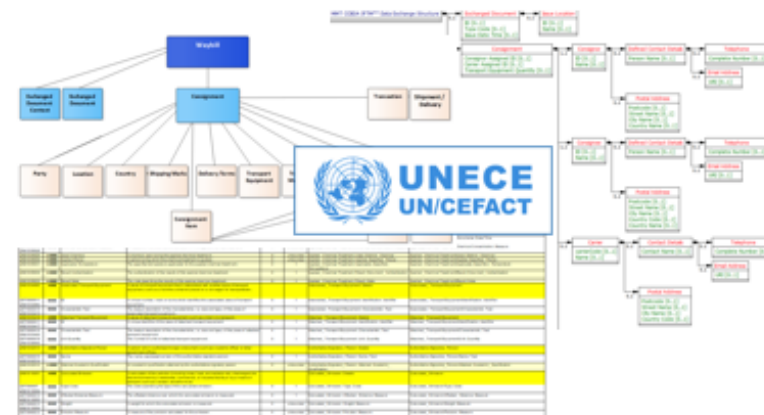
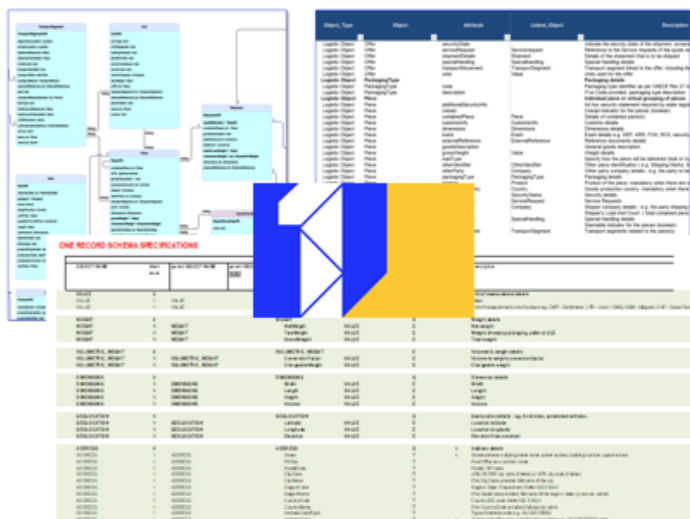
- Analysis of the CIM/SMGS ECN data structure in preparation for the mapping to IFTM subset
- Identified potential issue for mapping between the railway ECN and IFTM due to different structural representation
- Open discussion to describe and understand the issue
- Proposals for the next phase to reach a mapping exercise
 - Rearrange the structure of the railway ECN in the manner of MMT for seamless mappings and multimodal interoperability
 - Map only the possible data elements for the purpose of achieving multimodality





Airfreight domain supports multiple IATA standards for B2B & some B2G:

- Cargo-IMP: legacy, bespoke EDI
- Cargo-XML: current, UN/CEFACT aligned
- ONE Record: evolving, JSON-LD backwardly compatible



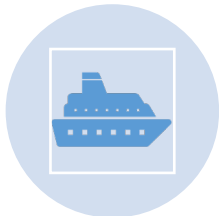
Review & mapping UN/CEFACT IFTM subset with **IATA ONE Record**

Enhanced data model for example supporting piece level

Bill of Lading (BOL) <> Air Waybill (AWB) baseline, others to be considered

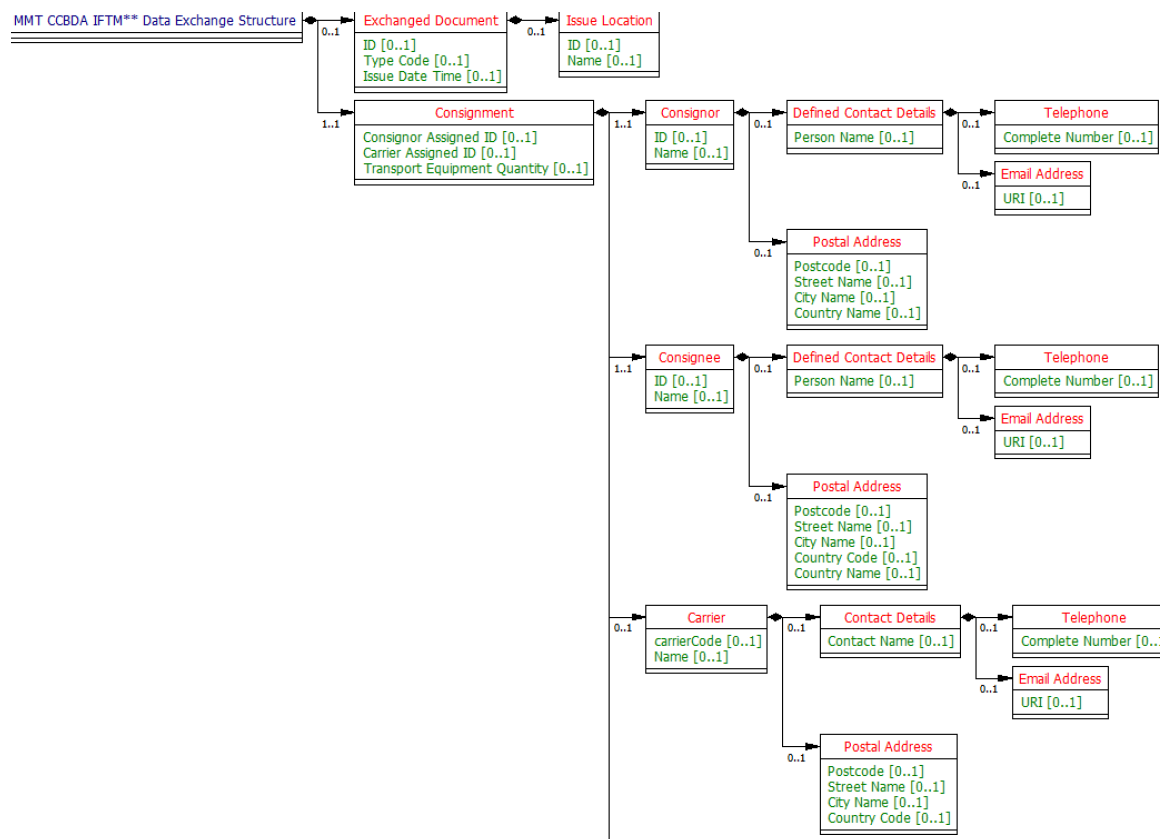
Next steps: project team assembly & project calls





Maritime

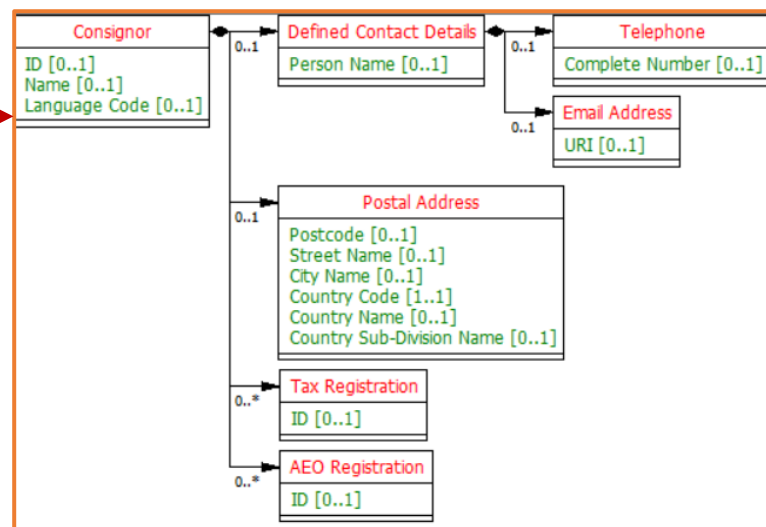
- Maritime specific subset of MMT created and re-used to model the **Ocean Bill of Lading**
- Project calls concluded last week on this work, results to be published good basis for industry eBill of Lading projects





Road Freight

e-CMR model: CMR Convention data, taken into account



Each object in the eCMR structure has a unique Dictionary Entry Name plus a business short name for readability.

Based upon the UN/CEFACT Core Component Library (CCL), the MultiModal Transport Reference Data Model (MMT) and the Supply Chain Reference Data Model (SCRDM).





Further Information

All documents available on the [project page](#)

To participate or find out more contact:

Michael Dill – Project Leader

Team Leaders

Air Freight – **Steve Hill**

Rail – **Kagisho Ramatsa**

Maritime and Road – **David Roff**

