

# 118th session of the Working Party on Road Transport (SC.1)

Workshop on eCMR

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UN/CEFACT Chair



## Objectives

- Simple, transparent and effective processes for global business
- Efficient and automated exchange of information
- Targeted support to SDGs 8, 12, and 17

## Key tools

- 50 global trade facilitation recommendations
- 950 e-Business standards and guidelines

## Means

- Public-Private Partnership
- Over 1600 volunteer experts working on 30 active projects
- Bi-annual Forums and annual Plenary sessions
- Regular Bureau calls



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# Partnerships and Collaboration



**EC**  
**DG-MOVE**  
**DG-TAXUD**  
**DG-MARE**  
**DG-INTPA**  
**DG-DIGIT**

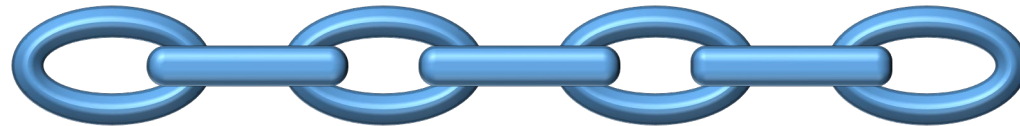
**EEC**  
**OECD**

**GS1**  
**IPCSA**  
**PROTECT**  
**FIATA**  
**SMDG**  
**DCSA**

**ISO**  
**IEC**  
**ITU**  
**WTO**  
**ITC**  
**IATA**  
**WCO**

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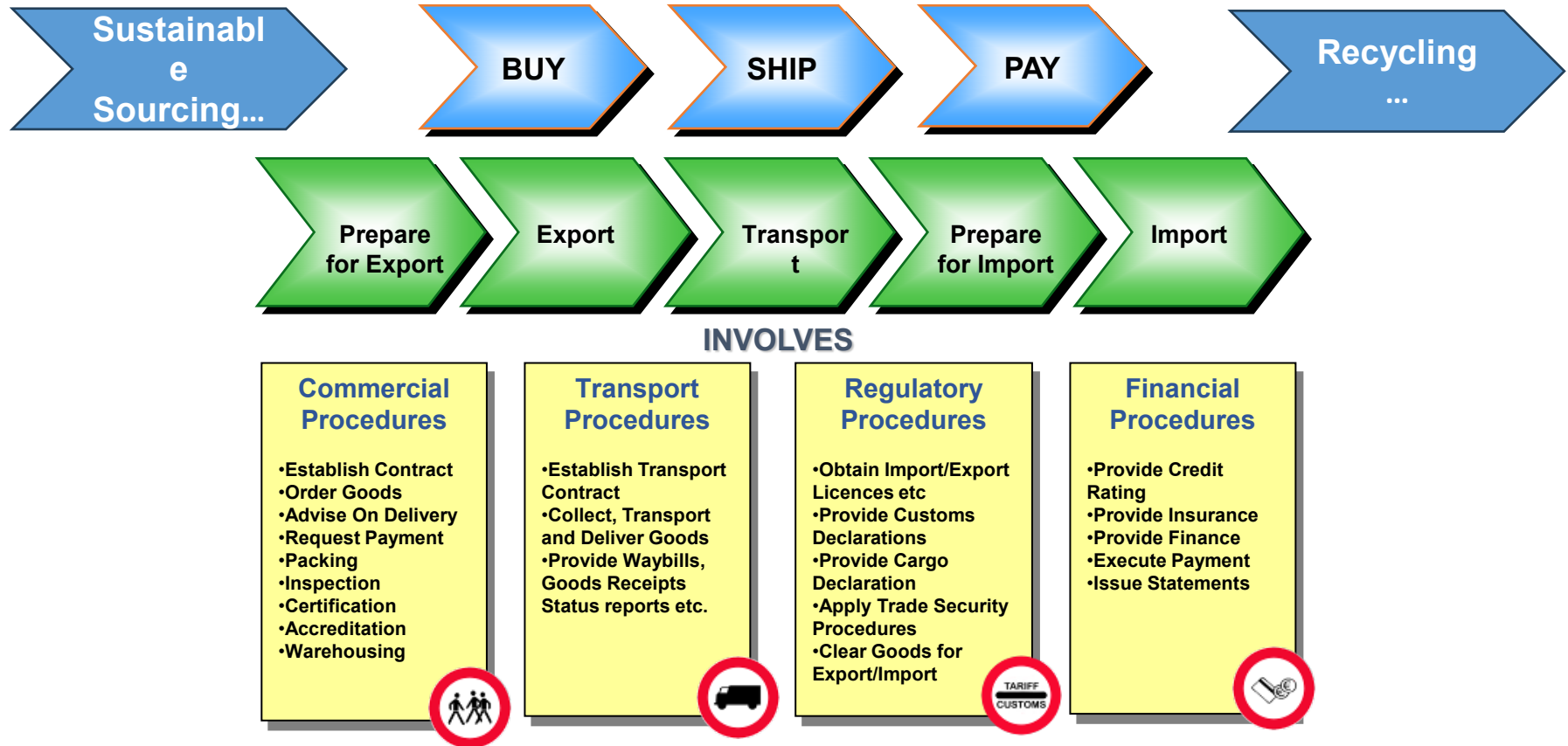
# Global Supply Chain Holistic Multimodal links



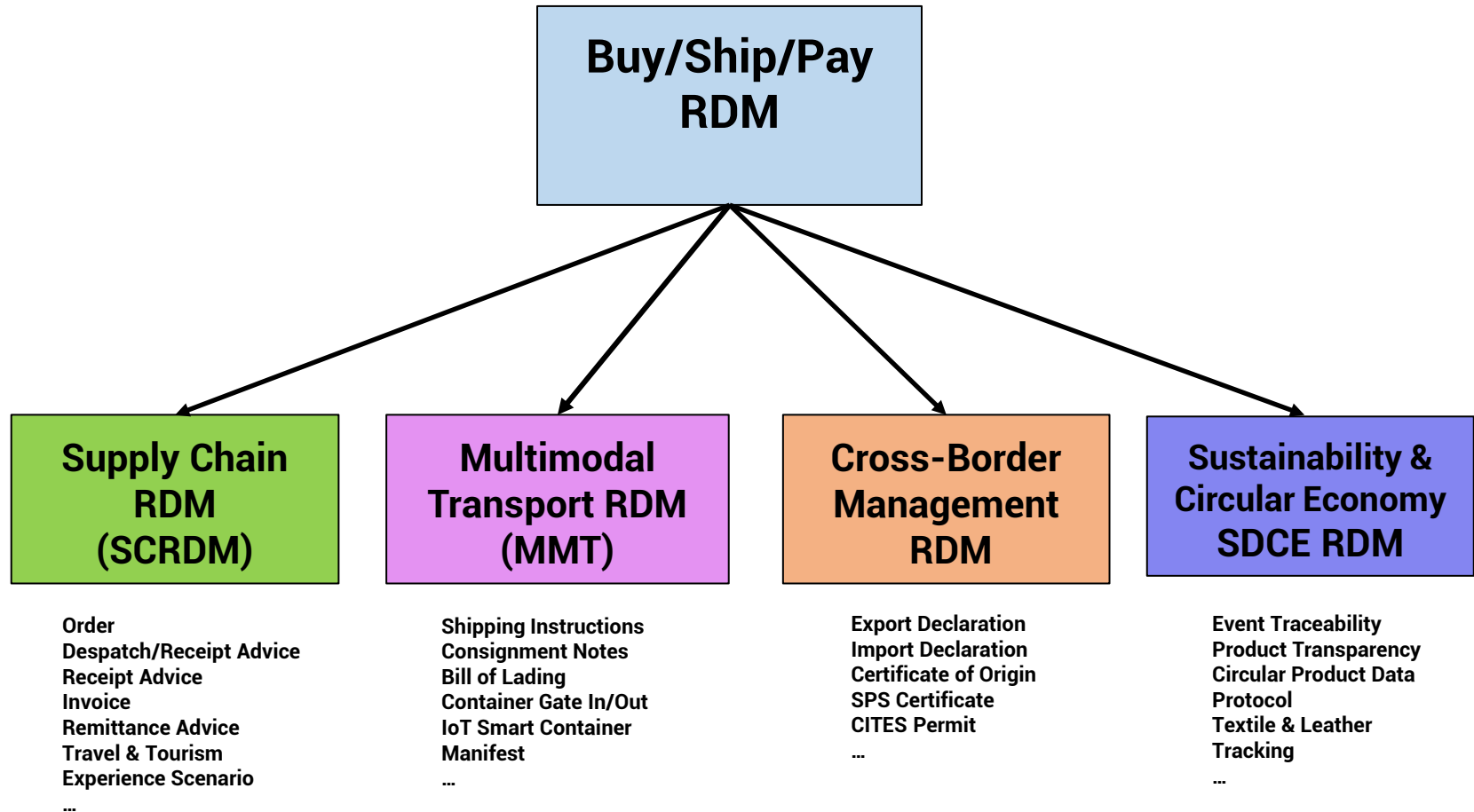
- Most dematerialization projects are only looking at one sectoral view
  - The international supply chain is very complex
  - Almost all sectoral views are just one part of a global supply chain
- A holistic view and approach are needed
  - Information will not be related purely to goods or purely to transport or purely to regulatory
  - There are clear links between the information in each part of the global supply chain
- UN/CEFACT deliverables all take this holistic approach
  - Cross Industry
  - MultiModal
  - Cross-border Agencies

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# UN/CEFACT International Supply Chain Processes



# UN/CEFACT Reference Data Model Family



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## Project Purpose

To develop and publish an international XML “Electronic Consignment Note” message (e-CMR) for international and national transportation of goods by road.

## Project Scope

To standardize and harmonise the electronic consignment note message to be exchanged between carrier, shipper and receiver of the goods.

Such electronic message shall be considered as an electronic contract of carriage of goods by road in accordance with the provisions of the above-mentioned protocol.

Furthermore, the implementation of standardised electronic consignment note message may facilitate further interactions with other modes of transport.

## Project Deliverables

- Subset BRS for Electronic Consignment Note based on MMT
- CCBDA RSM for Electronic Consignment Note based on MMT
- An XML schema of the Electronic Consignment Note Message

## Project Lead

Evgeniya Iafaev

## Head of Delegation Support

- Germany • Netherlands • Ukraine

# eCMR Project - Deliverables

[unece.org/trade/uncefact/mainstandards](https://unece.org/trade/uncefact/mainstandards)

Road Consignment Note (eCRM)

[Business Requirement Specification](#) 

[Executive Guide English](#)  [French](#)  [Russian](#) 



[XLS Guideline Structure](#) 

[XSD Schema](#) 

[UML Diagram](#) 

[HTML](#)



# CMR – Current process Flow



1



Consignor

Prepares and coordinates CMR contract

**red** : copy for the consignor

**blue** : copy for the consignee (this copy accompanies the goods throughout the entire transport)

**green**: copy for the carrier

2



Carrier

On taken over goods, checks the accuracy of data in CMR (quantity of packages, condition of goods, their packaging and etc).  
Signs the CMR note (with reservations if needed)

3



Consignee

Consignee acknowledge the receipt of goods upon its verification.

CMR is prima facie evidence of the making of the contract of carriage, the conditions of the contract and the receipt of the goods by the carrier.

CMR is obligatory document for international road transport in countries, which adopted CMR Convention.

# Challenge: Interoperability of e-CMR Solutions

## CMR convention

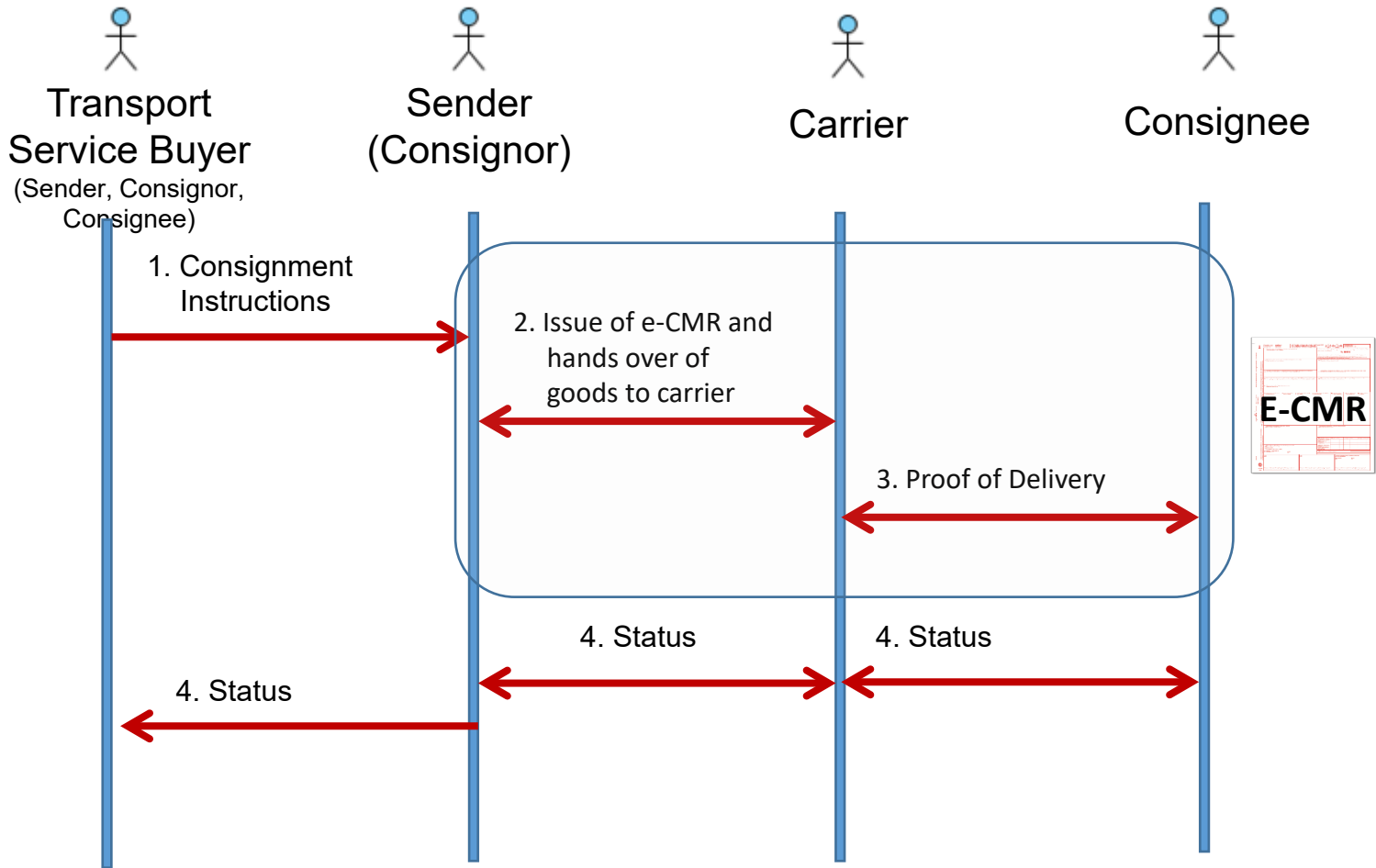
- **Content of CMR document**
  - Date and time
  - Name and address of carrier, sender, consignee
  - The description of nature of goods, method of packing ...
  - Number of packages
  - Charges related to carriage
  - etc.

## e-CMR Protocol

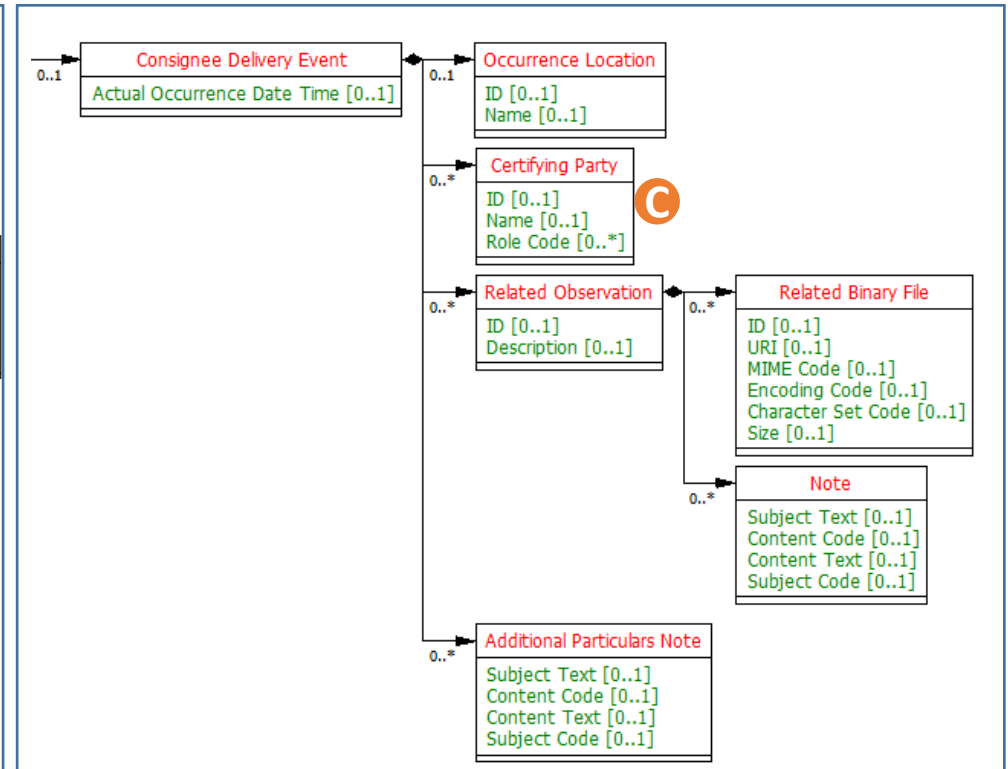
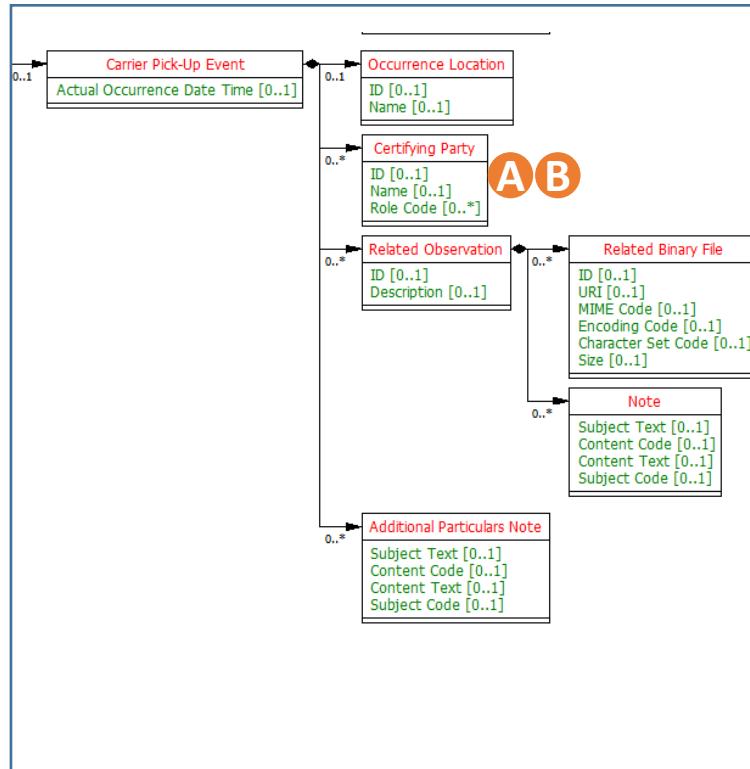
- **Set requirements for e-CMR. Parties shall agree on:**
  - The method for issuance and delivery of e-CMR
  - An assurance that e-CMR retains its integrity
  - The manner in which the party entitled to the rights arising out of e-CMR is able to demonstrate that entitlement
  - etc.

*First step: identify a list of vital messages for e-CMR, provide appropriate message model*

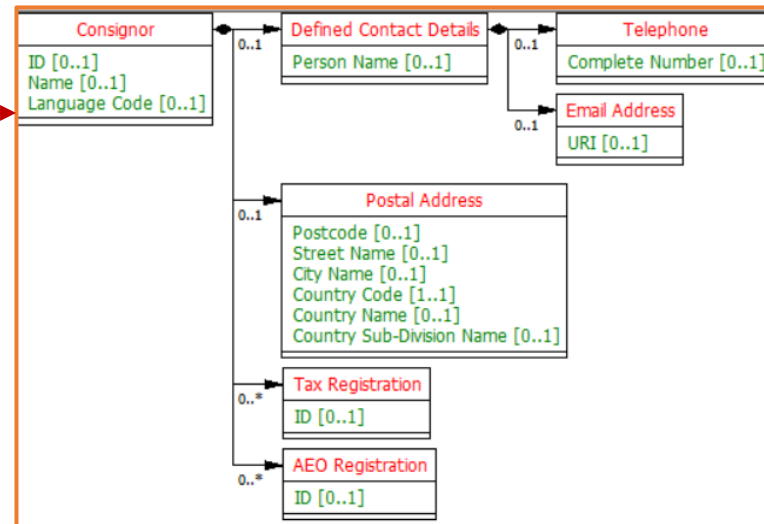
# UN/CEFACT e-CMR Project Focus



# e-CMR Model (contractual events)



# 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).

## Future Support for eCMR Protocol



- Identify any gaps in the current eCMR data exchange standard and deal with them – together
- Extend to other data flows relevant to eCMR protocol by extension of the eCMR BRS – together

