

UN/CEFACT e-CMR Project



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CMR Background

1956 – CMR convention adopted

1976 – Model CMR consignment note developed by IRU, in cooperation with the International Chamber of Commerce (ICC)

2007 – Model CMR consignment note updated by IRU and is now used by most, if not all parties to contracts of carriage in CMR contracting countries.







CMR – Current process Flow



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



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)



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.

e-CMR protocol adopted by 17 countries





e-CMR operations and pilots

- e-CMR operational in Netherlands since 2015
- France and Spain initiated pilots in January 2017
- Greece started pilots in June 2017
- Benelux Pilot starts in December 2017

Others in pipeline



UN/CEFACT BUY-SHIP-PAY reference data models

- Cover the data requirements of the international supply chain (BUY-SHIP-PAY) process model
- Share a common library (subset of the UN/CEFACT Core Component Library – CCL)
- Include "Master" exchange syntax neutral message structures for developing process aligned subset structures
- Subset message structures can be realized into any required exchange syntax (e.g. JSON, any XML or EDIFACT etc.)
- Support collaborative information sharing
 - such as enabled by data exchange pipelines

UN/CEFACT International Supply Chain Process Model



UNECE

UN/CEFACT International Supply Chain Reference Data Model Family





The Relationship between International Sales and Transport Service Contracts



The Transport Contract





Building semantic models using a common library

UN/CEFACT Core Component Library (CCL)





UN/CEFACT e-CMR project deliverables

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PROJECT DELIVERABLES

e-CMR project deliverables:

- Business Requirements Specification (BRS) for Electronic Road Consignment Note (e-CMR) based on the high-level MMT BRS
- Subset exchange syntax-neutral message structures for e-CMR
- XML schemas of the e-CMR messages
- Mapping to the relevant existing UN/EDIFACT UNSM (IFTMIN) future extension

e-CMR project supported by: 💻 💳 限

Challenge: Interoperability of e-CMR solutions



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



UN/CEFACT e-CMR project focus





e-CMR model





e-CMR model



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e-CMR model





e-CMR model (contractual events)





e-CMR model: CMR Convention data taken into account



e-CMR model: Transit Declaration in Eurasian Customs Union and European Customs Union are taken into account

ЭЛЕКТРОННАЯ КОПИЯ	Included Consignment Item
Декларации на товары / транзитнои декларации Не зарегистрировано	ID [0*] Sequence Number [11] Goods Type Code [01]
Тип перемещения: ТТ Тип перевозки: Код страны ТО: Всего наименований 1 Страна происхождения: Страна 1 1 1 1	Invoice Amount [01] Gross Weight [11] Gross Volume [01] Additional units of measurement [01]
ГРУЗООТПРАВИТЕЛЬ	Global ID [01]
ГРУЗОПОЛУЧАТЕЛЬ	Goods Description Identification Text [01]
ПЕРЕВОЗЧИК	Transport Dangerous Goods
ЛИЦО, ПОДАВШЕЕ ДЕКЛАРАЦИЮ	UNDG ID [11] Technical Name [01]
Фамилия: Имя: Дата 2017- представления 09-21 ТД:	Packaging Danger Level Code [U1]
Сведения о транспортных средствах при прибытии/убытии. (всего 0)	Transport Package
№ Идентификатор Номер шасси (VIN) Код страны Активное ТС ТС принадлежности ТС	Item Quantity [01] Level Code [01] Type Code [01]
ТОВАРЫ (всего 1 наим.)	Type Text [01]
№ Код ТНВЭД Описание Вес Стоимость Валюта №№ брутто контенеров	ID [01]
1 0702000001 ТОМАТЫ СВЕЖИЕ ИЛИ 1000 1000 RUB ОХЛАЖДЕННЫЕ, С 1 ЯНВАРЯ ПО 31 МАРТА 1000 1000 RUB	Additional Particulars Note
Итого: 1 1 000.00	Copyright UNECE

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