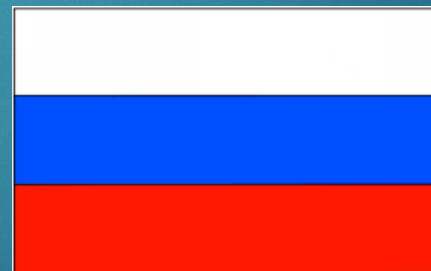


# e-CMR PILOT PROJECT 2021 – 2023

Implementation of an Electronic International  
Consignment Note for Road Transport between the  
Russian Federation and the Republic of Belarus





# International CMR Convention

**CMR - Convention Relative au Contrat de Transport International de Marchandise par Route (French)** on the contract for the international carriage of goods by road CMR was adopted in 1956. 55 states have joined the CMR convention. In them, the use of CMR is mandatory



## B2B – Business-to-Business

The international CMR consignment note is a confirmation of a tripartite agreement concluded between the sender, carrier and recipient of cargo under the terms of the International CMR Convention and is a document that reflects data on international road transport

The image shows a standard CMR consignment note form. It is a multi-section document with fields for:

- 1** Sender (Name, Address, City, Country)
- 2** Receiver (Name, Address, City, Country)
- 3** Consignor (Name, Address, City, Country)
- 4** Carrier (Name, Address, City, Country)
- 5** Consignee (Name, Address, City, Country)
- 6** Date and place of issue
- 7** Date and place of receipt
- 8** Date and place of delivery
- 9** Date and place of receipt by consignee
- 10** Date and place of receipt by consignee
- 11** Date and place of receipt by consignee
- 12** Date and place of receipt by consignee
- 13** Description of goods (Quantity, Weight, Volume, etc.)
- 14** Description of goods (Quantity, Weight, Volume, etc.)
- 15** Description of goods (Quantity, Weight, Volume, etc.)
- 16** Description of goods (Quantity, Weight, Volume, etc.)
- 17** Description of goods (Quantity, Weight, Volume, etc.)
- 18** Description of goods (Quantity, Weight, Volume, etc.)
- 19** Description of goods (Quantity, Weight, Volume, etc.)
- 20** Description of goods (Quantity, Weight, Volume, etc.)
- 21** Description of goods (Quantity, Weight, Volume, etc.)
- 22** Description of goods (Quantity, Weight, Volume, etc.)
- 23** Description of goods (Quantity, Weight, Volume, etc.)
- 24** Description of goods (Quantity, Weight, Volume, etc.)
- 25** Description of goods (Quantity, Weight, Volume, etc.)
- 26** Description of goods (Quantity, Weight, Volume, etc.)
- 27** Description of goods (Quantity, Weight, Volume, etc.)
- 28** Description of goods (Quantity, Weight, Volume, etc.)
- 29** Description of goods (Quantity, Weight, Volume, etc.)

## e-CMR Electronic Document

**The Additional Protocol** to the CMR Convention was adopted in 2008. It provides for the use of paperless versions of the e-CMR electronic consignment note.

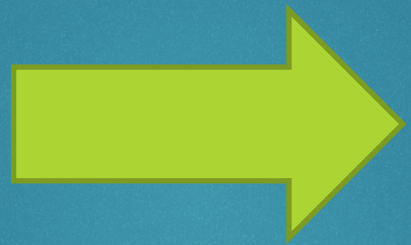
- The Russian Federation acceded to the e-CMR Additional Protocol on March 6, 2018.
- The Republic of Belarus acceded to the Additional Protocol on January 14, 2019.

- 
1. [Azerbaijan](#)
  2. Belarus
  3. Belgium
  4. Bulgaria
  5. Czech Republic
  6. Denmark Estonia
  7. Finland
  8. France
  9. Germany
  10. [Iran \(Islamic Republic of\)](#)
  11. Kyrgyzstan
  12. Latvia
  13. Lithuania
  14. Luxembourg
  15. Netherlands (Kingdom of the)
  16. Norway
  17. [Oman](#)
  18. Poland
  19. Portugal
  20. Republic of Moldova
  21. Romania
  22. Russian Federation
  23. Slovakia
  24. Slovenia
  25. Spain
  26. Sweden
  27. Switzerland
  28. Tajikistan
  29. [Türkiye](#)
  30. Turkmenistan
  31. [Ukraine](#)
  32. United Kingdom of Great Britain and Northern Ireland
  33. Uzbekistan

# Implementation of e-CMR Electronic Document



1 Expéditeur (nom, adresse, pays) Sender (name, address, country)		2 Destinataire (nom, adresse, pays) Consignee (name, address, country)	
3 Pâte de charge de la marchandise / Tare Udu / Place		4 Livraison de la marchandise / Delivery of the Udu / Place	
5 Instructions de l'expéditeur Sender's instructions		14 Numéro Number	
15 Autres indications utiles Other useful particulars		20	
21		22	
23		24	
25		26	
27		28	



```
<?xml version="1.0" encoding="UTF-8" ?>
<!-- W3C Schema generated by XMLSpy v2018 rel. 2 sp1 (http://www.altova.com) -->
<xs:schema xmlns="eCMR" xmlns:rsm="eCMR" xmlns:xs="http://www.w3.org/2001/XMLSchema" targetNamespace="eCMR">
  <xs:element name="ActualMeasure">
    <!-- An actual measure for this measurement. Фактическая величина температуры горения -->
    <xs:complexType>
      <xs:simpleContent>
        <xs:extension base="xs:byte">
          <xs:attribute name="unitCode" use="required">
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:enumeration value="token" />
              </xs:restriction>
            </xs:simpleType>
          </xs:attribute>
        </xs:extension>
      </xs:simpleContent>
    </xs:complexType>
  </xs:element>
  <xs:element name="ActualOccurrenceDateTime">
    <!--
      The actual date, time, date time, or other date time value of the occurrence of this transport event.
      Фактическая дата и время наступления этого транспортного события
    -->
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="rsm:DateTimeString" />
        <!-- The particular point in the progression of time. Формат даты и времени -->
        <xs:element ref="rsm:DateTime" />
        <!-- The format of the date/time content. Значение даты и времени -->
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="AffixedLogisticsSeal">
    <!-- A seal affixed to this piece of logistics transport equipment. Прикрепленная пломба -->
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="rsm:ID" />
        <!-- A unique identifier for this logistics seal. Уникальный идентификатор -->
      </xs:sequence>
    </xs:complexType>
  </xs:element>

```

1. Replacing a paper CMR document with an electronic e-CMR
2. Replacement of real signatures and seals with electronic signatures of various states



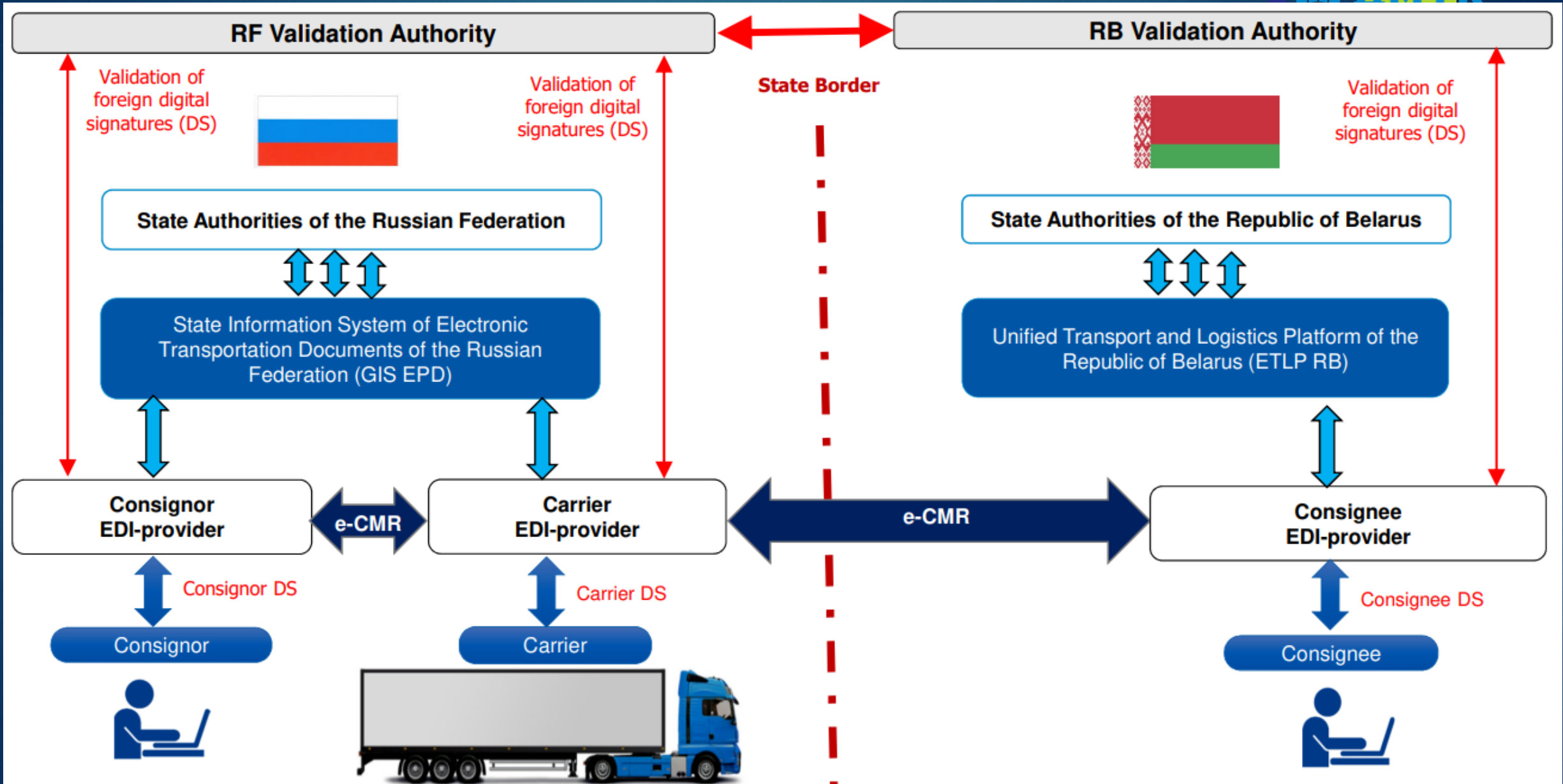
## TECHNICAL TASKS,

Resolved During the e-CMR Pilot Project in 2021-2023.



1. Replacement of a paper CMR document with a legally significant electronic document e-CMR.
2. Application of the international standard e-CMR D22A when converting CMR into electronic form.
3. Construction of a decentralized system of cross-border electronic document management: each participating state uses its national EDI operators and applies electronic signatures that meet its state standards.
4. Application of the international standard XAdES for signing N electronic signatures of N sections of e-CMR filled out by transportation participants located in different states.
5. Successful testing of the technological environment for cross-border e-CMR exchange during international cargo transportation by road and a test zone for verifying foreign electronic signatures using the “trusted third party” (TTP) mechanism.

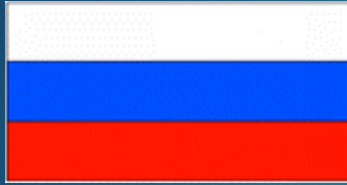
# Roles of National EDI Operators and State Information Systems in Organizing e-CMR International EDI Exchange



# Participants of the e-CMR Pilot Project in 2021-2023

7

The e-CMR project was implemented with coordination from the Ministry of Transport of Russia, the Federal Tax Service of Russia, the Ministry of Transport of the Republic of Belarus and the State Customs Committee of the Republic of Belarus..



## From the Russian Federation:

- LLC "KORUS Consulting CIS" (EDI provider),
- ANO "DMTK"
- LLC "Certification Center GAZINFORMSERVIS" (DTS operator),
- "ZashchitaInfoTrans" (SIS EDI operator),
- LLC "SoftLand" (software developer),
- LLC "SovTransAvto"
- Association "ASMAP",
- Russian Motor Transport Union.

## From the Republic of Belarus:

- LLC "Modern Trade Technologies" (EDI provider).
- "National Center for Electronic Services" (DTS operator),
- "Beltamozhservice",
- Association "BAMAP".



International organizations:  
International Road Transport Union IRU

# Results of e-CMR Pilot Project

between the Republic of Belarus and the Russian Federation in 2021-2023

8



1. Technologies for cross-border electronic document management e-CMR have been developed.
2. The legal significance of electronic documents e-CMR is ensured.
3. Proposals have been formed to amend the regulatory legal acts of countries for the use of electronic shipping documents.
4. The prerequisites have been created for the replication of technical solutions for the use of electronic documents in the EAEU member states.
5. Proposals have been generated for UN/CEFACT to supplement the international standards of the electronic document e-CMR regarding the transfer of electronic signature data.



# WHAT do we expect from UN CEFACT



As an end users we strongly need a small addition to the current e-CMR UN CEFACT XSD structure:

- to add additional data elements to transfer Electronic Signatures data

Level 1		Level 2		Level 3	Level 4	Level 5		Level 6	Level 7 and below
Data Element		Abbreviation	CMR Paper Form Section Number	Way to Data Element	Internal Description for State Authorities	UN/EDIF ACT	UN/EDIF ACT	Repr.	Conditional / Mandatory
English	Russian								
1) Consignor	Подписи грузоотправителя	Consignor		eCMR/Signatures/Consignor	C				C
Signature	Подпись	Signature		eCMR/Signatures/Consignor/Signature	C	an..512			C
2) Carrier	Подписи перевозчика	Carrier		eCMR/Signatures/Carrier	C				C
Signature	Подпись	Signature		eCMR/Signatures/Carrier/Signature	C	an..512			C
4) Consignee	Подписи грузополучателя	Consignee		eCMR/Signatures/Consignee	C				C
5) Signature	Подпись	Signature		eCMR/Signatures/Consignee/Signature	C	an..512			C