PILOT PROJECT FOR USE OF e-CIM/SMGS CONSIGNMENT NOTE ALONG SELECTED TRACECA ROUTES

Eighteenth session of the SPECA Working Group on Trade

November 20, 2023
Baku Azerbaijan
Introduction

Joint OSJD, CIT, UIC, UN ECE, TRACECA Pilot Project to support transition to electronic use of the CIM/SMGS Consignment Note

Adoption of an International Agreement
- Preparing legal basis for e-CIM/SMGS
- Preparing at national and international level
- Deciding on tools used for information exchange
- Possible piloting for electronic supporting documents
- Conducting internal approval procedures (2024-2025)

Piloting e-CIM/SMGS (digital twin project)
- Implementation of pilot project
- Testing electronic CIM/SMGS prototype
- Drafting international agreement
- Analyzing supporting documents for further digitalization (2023-2024)

Adoption of Action Plan
- Implementation of Action Plan
- Digitalization of a prototype CIM/SMGS (2023)

Signing MoU between interested railways
- Framework for piloting electronic CIM/SMGS consignment note (May 2023)

Joint Workshop
- Use of CIM/SMGS consignment note (June 2022)
- Use of electronic CIM/SMGS consignment note (January 2023)
- Use of electronic CIM/SMGS consignment note (May 2023)

Initial Survey
- Survey on use of CIM/SMGS consignment note (2022)

Initial Survey
- Survey on use of CIM/SMGS consignment note (2022)
Analysis of legal aspects for use of electronic CIM/SMGS consignment note (railways)(other)

Need for changes, or new legal frameworks in railway domain of participating countries related to implementation of electronic CIM/SMGS consignment note:

- national legislation
- bilateral agreements
- International agreements

Next step:
Development of suggestions for establishing/amending legal background (national legislation, international agreements)
Analysis of technical (IT) aspects for use of electronic CIM/SMGS consignment note (railways)(other)

Need for upgrading IT systems in railway domain related to implementation of electronic CIM/SMGS consignment note) with regard to:

- electronic communication between railways and their customers (consignor and consignees)
- electronic communication between railways on cross-border level (R2R)

Next step:
Development of **suggestions for upgrading / development / procurement of IT systems** (software and hardware).
Technical support for the pilot project on use of e-CIM/SMGS consignment note

- Development of prototype of electronic CIM/SMGS electronic document
- Development of other tools and IT support
- Virtual and subsequent parallel pilot test with existing (or upgraded) IT solutions (new eCIM/SGMS prototype)
  
  For parallel test at least four live railway transport operations with (electronic) CIM/SMGS consignment note (1-2 weeks per testing excise)
  
  - Virtual test
  - Parallel test (in addition to existing procedure)(railways only)
  - Parallel test (in addition to existing procedure)(railways plus, other operators, port, Customs)

Activities of national Railway Organizations (support from International Organizations)
B. Technical (IT) aspects for use of electronic CIM/SMGS consignment note (railways only)

**Key Issues (KI):**
- Identification of data, documents, and other information to be electronically exchanged (R2R)
- Identification & determination of necessary common classifiers
- Data mapping, defining data sets, expected message flow (R2R)
- Use of standards and artefacts (UN/CEFACT MMT RDM)
- Development e-CIM/SMGS doc. prototype equivalent
- Development of converter
- Requirements for authentication (R2R)
- Analysis of IT solutions (R2R interaction)
- Pilot test (virtual plus parallel) R2R (and subsequently including R2MMT, R2C, R2Oga)
- Road map and suggestions for IT development (R2R)

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<th>Phase 1</th>
<th>Phase 2</th>
<th>Phase 3</th>
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<td>paper CIM/SMGS and preparation for e-CIM/SMGS testing</td>
<td>Electronic CIM/SMGS parallel transmission testing</td>
<td>e-CIM/SMGS paperless tech. testing</td>
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<th>Initial analysis (KI: a, b)</th>
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<td>Authentication (IT) (R2R) (KI: g)</td>
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<td>WG meeting on initial analysis and products</td>
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<td>Virtual pilot test + parallel pilot test</td>
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<td>Crafting road map / IT development suggestions</td>
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<td>Finalize IT development suggestions</td>
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<td>Acceptance on WG level and distribution for further formal procedure in the countries</td>
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<td>Development (upgrade) of IT systems</td>
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**eCIM/SMGS Events**

- **15 September 2023** (online)
  First Meeting of the Working Group for organization and implementation on e-CIM/SMGS Consignment Note on selected TRACECA railway routes

- **3 July 2023** (online)
  Preparatory Meeting of the Working Group for organization and implementation on e-CIM/SMGS Consignment Note on selected TRACECA railway routes

- **22-23 May 2023** (Baku, Azerbaijan and online)
  14th International Capacity-Building Seminar on Trade and Transport Facilitation (UN ECE) (Session II: Possible pilot implementation test project with TRACECA, e.g., on digitalization of the CIM/SMGS consignment note)

- **18-19 January 2023** (online)
  Second Joint Workshop on Use of the electronic CIM/SMGS Consignment Note on selected TRACECA railway routes

- **16 June 2022** (online)
  Joint Workshop on Use of the CIM/SMGS Consignment Note on TRACECA railway routes across Azerbaijan, Georgia, Türkiye, and Kazakhstan

**eCIM/SMGS Pilot Project Documents**

- Memorandum of Understanding between railway operators in Azerbaijan, Georgia, Kazakhstan, Türkiye and Ukraine on organization of pilot project(s) for use of electronic CIM/SMGS consignment note along selected TRACECA routes (Signed 22 May 2023)

- Working Group on organization of pilot project(s) for use of electronic CIM/SMGS consignment note along selected TRACECA routes (List of WG members) (Updated as of 15 September 2023)

- Action plan for the pilot project on use of electronic CIM/SMGS consignment note along selected TRACECA routes (June 2023 – June 2025) (Updated as of 30 September 2023)

- Overview of the responses to the Questionnaire on use of electronic CIM/SMGS consignment note along TRACECA routes (Survey conducted Dec 2022 – Jan 2023) (Updated as of 30 September 2023)

- Tentative Plan for e-CIM/SMGS Pilot Project Working Group Meetings (Updated as of 30 September 2023)

**eCIM/SMGS Key Documents and Information**

- CIM/SMGS Consignment Note Manual (RU) (EN) (Annex 6 to the SMGS Agreement / GLV-CIM/SMGS) developed jointly by Organisation for Co-operation between Railways (OSJD) and International Rail Transport Committee (CIT)

- Specifications for the electronic CIM/SMGS consignment note (RU) (EN) developed jointly by Organisation for Co-operation between Railways (OSJD) and International Rail Transport Committee (CIT)

- UN/CEFACT standards and reports developed under UNTTC project such as information on standards and tools regarding electronic trade and transport documents and data.

- Streamlined presentation of UN/CEFACT standards that includes tools and artefacts developed for the CIM/SMGS consignment note, wagon list and additional documents aligned to the Multimodal Transport Reference Data Model.

- Relevant Leaflets of the OSJD Permanent Working Group on Coding and Information Technology (for OSJD domain).
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