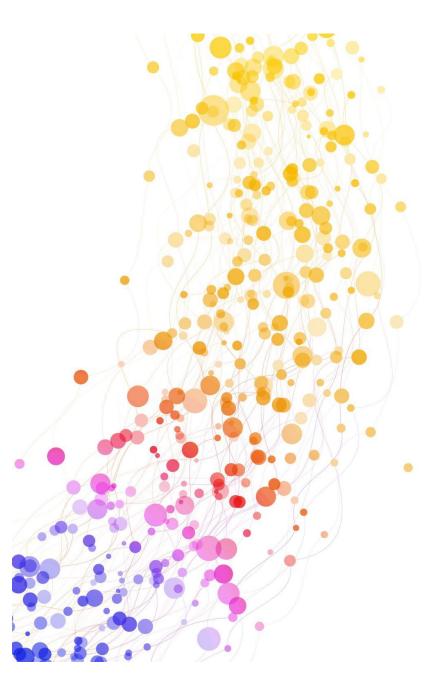
Development of Electronic e-CIM/SMGS Consignment Notes

Enhancing Interoperability Across TRACECA Routes

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29 March 2024



Introduction





Current Situation:

Countries along the TRACECAroutes currently exchange consignment note data in various formats: SMGS, CIM, or CIM/SMGS, with some utilizing IFTMIN standards for electronic copies of SMGS.

The Need for Standardization:

Importance of adopting a single, standardized electronic format for these documents to streamline processes and enhance efficiency across borders.





Adoption of UN/CEFACT Standards:

Implement UN/CEFACT standards to ensure universal compatibility and easy integration for seamless data sharing.



Development of a Prototype:

Create a prototype of an electronic CIM/SMGS consignment note that is testable and scalable, serving as a practical model for future system-wide adoption.



Facilitate Multimodal Transport and Simplify Data Exchange:

Promote easier exchange of data in a standardized format across countries to support multimodal transport.

Review and Guidance

Engagement with UN/CEFACTExperts	• Collaborate with experts for deep insights.
Practical Application and Implementation	• Transition from theory to practice in applying UN/CEFACT standards.
Special Thanks	• Thanks to Mr. Kagisho Ramatsa and Ms. Sue Probert for their significant contributions.

Collaboration and Information Exchange

Key Collaborations:

- Azerbaijan and Türkiye: Provided foundational SMGS and CIM/SMGS PDFs.
- Kazakhstan: Shared IFTMIN examples for mapping.
- Georgia: Contributed with SMGS PDFs for integration.

Mapping Process:

- Converted PDFs to electronic CIM/SMGS (e-CIM/SMGS).
- Shared mappings with the working group for collective insight.

Outcome:

- Unified electronic standard developed from diverse data formats.
- Enhanced project through international cooperation and data sharing.

Prototype Development

Technical Specifications:	• Built using XSD/XML schemas for flexibility and interoperability.
UN/CEFACT Standards Alignment:	• Ensures global compatibility and adherence to best practices in data exchange.
Upcoming Testing and Refinement:	• Initial testing with partners for feedback, leading to continuous improvements.

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Explanation of XML fields

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ľ	1	Value Text	Document Context_Parameter. Value. Text	The value, expressed as text, of this document context parameter.		код организации, контролирующее содержание сообщения							
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	1	Purpose Code	Exchanged_ Document. Purpose. Code	A code specifying the purpose of this exchanged document, such as request or reminder.	(1225)	Original of the consignment note	I				x		
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1	Consignor	Supply Chain_ Consignment. Consignor. Trade_ Party	The consignor party for this supply chain consignment.		Consignor (name, address, country)	1							
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1	Contact Information	Trade_ Party. Defined. Trade_ Contact	A trade contact defined for this trade party.										
1	ID	Trade_ Contact. Identification. Identifier	The unique identifier for this trade contact.	(3413)									
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1	Type Code	Trade_ Contact. Type. Code	The code specifying the type of trade contact.	(3139)									
1	Authorized Person Name	Trade_ Contact. Authorized_ Person Name. Text	The name, expressed as text, of the authorized person for this trade contact.		Подпись отправителя								
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1	Contact Address	Trade_ Party. Postal. Trade_ Address	The postal address for this trade party.										
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1	Category Code	Logistics_ Service Charge. Category. Code	The code specifying the category of this logistics service charge [Reference United Nations Code List (UNCL) 5237].	(5237)									
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1	Consignee	Supply Chain_ Consignment. Consignee. Trade_ Party	The consignee party for this supply chain consignment.	· · ·	Consignee (name, address, country)	4							
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UNECE - UN/CEFACT MMT CIM/SMGS Consignment Note TRACECA Pilot Project

Mapping

Model:

CIM-SMGS Consignment Note

Standard: UN D.23A Guide: **32166039**

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004	01	Type Code Path: BSP Master. Details/BSP Master. Exchanged_ Document/ Exchanged_ Document. Type. Code (1001)	3	BGI Pati		1001 BGM.C00	C 2.1001	an3 (0020:010:0	722 01)
005	01	Issue Date Time Path: BSP Master. Details/BSP Master. Exchanged_Document/ Exchanged_Document. Issue. Date Time (2007)	1	UNE Pati	3 S004 n: UNB.S0	0017 04.0017(0	M 040:01)	n8	00230906
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007	01	Issue Date Time Path: BSP Master. Details/BSP Master. Exchanged_ Document/ Exchanged_ Document. Issue. Date Time (2007)	4	DTN Pati		2380 DTM.C50	C 7.2380	an35 (0050:010:0	202309051309)2)
008	01	Purpose Code Path: BSP Master. Details/BSP Master. Exchanged_ Document/ Exchanged_ Document. Purpose. Code (1225)	3	BGI Pati	N 1: IFTMIN.	1225 BGM.122	C 5(0020	an3 :030)	4
No Length	Occurrence	Element	SeN	Se	CDE	DE	St	Format	Example

Legend: No=Consecutive Number, SeNo=Segment Number, Se=Segment, CDE=Composite Data Element, DE=Data Element, St=Status Status indicators: M=Mandantory, C=Conditional, R=Required, O=Optional, D=Depending, A=Advised, N/X=Not used

CIM-SMGS Consignment Note <--> 32166039_SMGS

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Conclusion and Future Directions



Project Achievements:

Developed the e-CIM/SMGS prototype adhering to UN/CEFACT standards.

Resolved data mapping challenges for seamless integration between SMGS and CIM/SMGS formats.

Fostered international collaboration, refining the prototype with partner feedback.



Impact on Multimodal Transport:

The prototype supports the future of multimodal transport, enabling efficient data sharing across global standards.



Next Steps:

Launch extensive testing of the prototype.

Continue improvements based on feedback.

Expand implementation and explore integration into global supply chains.