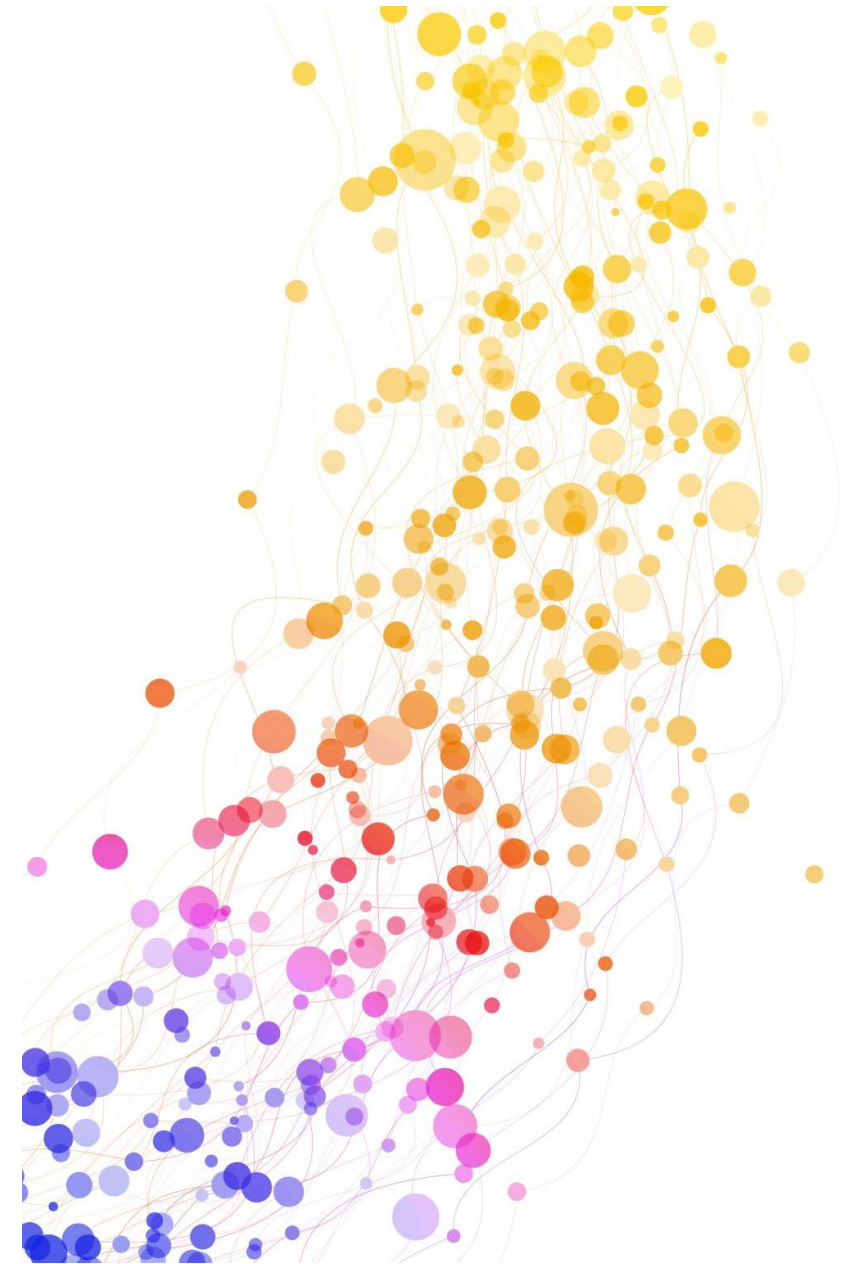


Development of Electronic e- CIM/SMGS Consignment Notes

Enhancing Interoperability Across TRACECA Routes

Orkhan Namazov – Consultant

29 March 2024

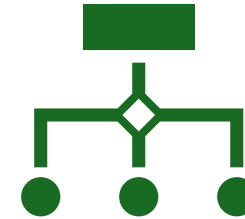


Introduction



Current Situation:

Countries along the TRACECA routes 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:

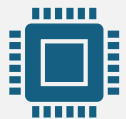
Importance of adopting a single, standardized electronic format for these documents to streamline processes and enhance efficiency across borders.

Objectives



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/CEFACT Experts

- 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.

XML example

```
(663404) - Almaty 1, KZH (/00007)
</ram:PackageType>
<ram:ContractTermsInformation languageID="XXXXXXXXXX" languageLocaleID="XXXXXXXXXX">XXXXXXXXXX</ram:ContractTermsInformation>
<ram:TotalTareWeightMeasure unitCode="KGM">23</ram:TotalTareWeightMeasure>
<ram:TotalGrossWeightMeasure unitCode="KGM">23</ram:TotalGrossWeightMeasure>
<ram:ConsignorTradeParty>
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  <ram:Name languageID="XXXXXXXXXX">PAS F K EURAS A LOJ ST K DI T C. A</ram:Name>
  <ram:LanguageCode listAgencyID="5">aa</ram:LanguageCode>
  <ram:DefinedTradeContact>
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      <ram:CompleteNumber languageID="XXXXXXXXXX">03122844772</ram:CompleteNumber>
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    </ram:FaxUniversalCommunication>
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    <ram:CountrySubDivisionName>XXXXXXXXXX</ram:CountrySubDivisionName>
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  </ram:PostalTradeAddress>
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  </ram:ApplicableLogisticsServiceCharge>
</ram:ConsignorTradeParty>
<ram:ConsigneeTradeParty>
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    </ram:EmailURIUniversalCommunication>
```


Occurrence Max	MMT Business Name	MMT Dictionary Entry Name	MMT Definition	UNTD ED Reference	CIM/SMGS Name (EN/RU)	CIM/SMGS Box No.	Example Notes	Country Usage				
								Azerbaijan	Georgia	Kazakhstan	Turkey	Ukraine
unbounded	Package Type Text	Supply Chain_Consignment. Package Type. Text	A type of package, expressed as text, for this supply chain consignment.	(7014)	Packaging	20	Kyasik (exp.) (558701) - Baku Trade Pier (547209) - Aktau-Port perev. Exp. (663404) - Almaty 1, KZH (700007)					
unbounded	Contract Terms Text	Supply Chain_Consignment. Contract Terms_ Information. Text	Information related to contract terms and conditions, expressed as text, for this supply chain consignment.		Договор с клиентом или применяемый тариф							
unbounded	Total Tare Weight	Supply Chain_Consignment. Total Tare Weight. Measure										
unbounded	Total Gross Weight	Supply Chain_Consignment. Total_Gross Weight. Measure										
1	Consignor	Supply Chain_Consignment. Consignor. Trade_Party	The consignor party for this supply chain consignment.		Consignor (name, address, country)	1						
unbounded	ID	Trade_Party. Identification. Identifier	A unique identifier of this trade party.	(3039)	Код отправителя Customer code for the consignor	2	3629039	x	x	x	x	
unbounded	Name	Trade_Party. Name. Text	A name, expressed as text, for this trade party.	(3036)	Наименование отправителя	1	PAS F K EURAS A LOJ ST K DI T C. A	x	x	x	x	
unbounded	Language Code	Trade_Party. Language. Code	A code specifying a language for this trade party.	[3453]	Consignor name							
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)								
unbounded	Person Name	Trade_Contact. Person Name. Text	A name, expressed as text, of this trade contact person.	(3412)	Контактная информация об отправителе							
unbounded	Department Name	Trade_Contact. Department Name. Text	A name, expressed as text, of the department to which this trade contact belongs within an organization.	(3412)								
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							
1	Telephone	Trade_Contact. Telephone. Universal_Communication	Telephone communication information for this trade contact.									
1	Complete Number	Universal_Communication. Complete Number. Text	The text string of characters that make up the complete number for this universal communication.	(3148)	Tel.	1	03122844772	x	x	x	x	
1	Fax	Trade_Contact. Fax. Universal_Communication	Fax communication information for this trade contact.									
1	Complete Number	Universal_Communication. Complete Number. Text	The text string of characters that make up the complete number for this universal communication.	(3148)	Fax	1	03122854780	x		x	x	
1	Email Address	Trade_Contact. Email_URI. Universal_Communication	The email URI communication information for this trade contact.				nfo@pasifikeurasia.com					
1	URI	Universal_Communication. URI. Identifier	The Uniform Resource Identifier (URI), such as a web or an email address, for this universal communication.	(3148)	E-mail	1	g.ozer@pasifikeurasia.com.tr	x		x	x	
1	Contact Address	Trade_Party. Postal. Trade_Address	The postal address for this trade party.									
1	Postcode	Trade_Address. Postcode. Code	A code specifying the postcode of this trade address.	(3251)	почтовый адрес Address	1		x	x	x	x	
unbounded	Street Name	Trade_Address. Street Name. Text	A name, expressed as text, of a street or thoroughfare for this trade address.		Улица Address	1	Kizilirmak mah. Dumlupinar Bulv.No:3	x	x	x	x	
unbounded	City Name	Trade_Address. City Name. Text	The name, expressed as text, of the city, town or village of this trade address.	(3164)	Город Address	1	Ankara	x	x	x	x	
1	Country Code	Trade_Address. Country. Identifier	The unique identifier of a country for this trade address.	[3207]	Код страны Country	1	TR	x	x	x	x	
unbounded	Country Sub-Division Name	Trade_Address. Country Sub-Division Name. Text	A name, expressed as text, of the sub-division of a country for this trade address.	(3228)	Address	1						
1	Building Number	Trade_Address. Building Number. Text	The building number, expressed as text, in this trade address.			3				x	x	
unbounded	Authoritative Signatory Person	Trade_Party. Specified. Authoritative Signatory_Person	A person specified to sign on behalf of this trade party.									
1	Name	Authoritative Signatory_Person. Name. Text	The name, expressed as text, of this authoritative signatory person.	(3412)								
unbounded	Logistics Service Charge	Trade_Party. Applicable. Logistics_Service Charge	A logistics service charge applicable to this trade party.									
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)								
1	Transport Payment Method Code	Logistics_Service Charge. Transport Payment Method. Code	The code specifying the transport payment method for this logistics service charge.	(4215)							x	
1	Consignee	Supply Chain_Consignment. Consignee. Trade_Party	The consignee party for this supply chain consignment.		Consignee (name, address, country)	4						
unbounded	ID	Trade_Party. Identification. Identifier	A unique identifier of this trade party.	(3039)	Код получателя Customer code for the consignee	5	340011	x	x	x	x	
unbounded	Name	Trade_Party. Name. Text	A name, expressed as text, for this trade party.	(3036)	наименование получателя	4	TOO IP HAML KOMPANY LTD	x	x	x	x	
unbounded	Language Code	Trade_Party. Language. Code	A code specifying a language for this trade party.	[3453]	Consignee name		AZ					

MMT CIM/SMGS Consignment Note mapping to IFTMIN



UNECE - UN/CEFACT MMT CIM/SMGS Consignment Note TRACECA Pilot Project

Mapping

Model: CIM-SMGS Consignment Note

Standard: UN D.23A

Guide: **32166039**

No	Length	Occurrence	Element	SeN	Se	CDE	DE	St	Format	Example
001		0..1	ID <i>Path:</i> BSP Master. Details/BSP Master. Exchanged_Document/ Exchanged_Document. Identification. Identifier (1004)	2	UNH	S009	0065	M	an..6	IFTMIN <i>Path:</i> IFTMIN.UNH.S009.0065(0010:020:01)
002		0..1	ID <i>Path:</i> BSP Master. Details/BSP Master. Exchanged_Document/ Exchanged_Document. Identification. Identifier (1004)	2	UNH	S009	0057	C	an..6	OSJD <i>Path:</i> IFTMIN.UNH.S009.0057(0010:020:05)
003		0..1	ID <i>Path:</i> BSP Master. Details/BSP Master. Exchanged_Document/ Exchanged_Document. Identification. Identifier (1004)	3	BGM	C106	1004	C	an..70	10041228 <i>Path:</i> IFTMIN.BGM.C106.1004(0020:020:01)
004		0..1	Type Code <i>Path:</i> BSP Master. Details/BSP Master. Exchanged_Document/ Exchanged_Document. Type. Code (1001)	3	BGM	C002	1001	C	an..3	722 <i>Path:</i> IFTMIN.BGM.C002.1001(0020:010:01)
005		0..1	Issue Date Time <i>Path:</i> BSP Master. Details/BSP Master. Exchanged_Document/ Exchanged_Document. Issue. Date Time (2007)	1	UNB	S004	0017	M	n8	00230906 <i>Path:</i> UNB.S004.0017(040:01)
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008		0..1	Purpose Code <i>Path:</i> BSP Master. Details/BSP Master. Exchanged_Document/ Exchanged_Document. Purpose. Code (1225)	3	BGM		1225	C	an..3	4 <i>Path:</i> IFTMIN.BGM.1225(0020:030)
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=Mandatory, C=Conditional, R=Required, O=Optional, D=Depending, A=Advised, N/X=Not used

Conclusion and Future Directions



Project Achievements:

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

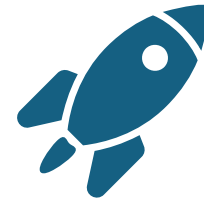
Resolved data mapping challenges for seamless integration between SMGS and CIM/SMGS formats.

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.