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## **Economic Commission for Europe**

### **Inland Transport Committee**

#### **Working Party on Customs Questions affecting Transport**

##### **Informal Ad hoc Expert Group on Conceptual and Technical Aspects of Computerization of the TIR Procedure**

###### **Twenty-third session**

Brussels, 20–21 November 2013

Item 3 (c) of the provisional agenda

###### **Reference Model of the TIR procedure: eTIR Reference Model v.4.0**

## **XML tag names**

### **Note by the secretariat**

#### **I. Background**

1. The Informal Ad hoc Expert Group on Conceptual and Technical Aspects of Computerization of the TIR Procedure (GE.1) decided at its eighteenth session that XML schemas should not be published in the eTIR Reference Model but rather made available on the eTIR web site<sup>1</sup> (ECE/TRANS/WP.30/GE.1/2011/6, para. 12). However, in order to allow developers to link the message description in the eTIR Reference Model with the XML schemas, GE.1 may wish to consider the proposal to include tables, cross-referencing the entities(classes) and attributes (data elements) with the tags used in the XML schemas, as contained in Annex.

#### **II. Further considerations**

2. Taking into account that some of the information contained in the annexed table is already part of Chapter 3.2.5.2, GE.1 may wish to consider whether it is best to include the proposed tables in Chapter 4 or that the “classes and attributes” message descriptions in Chapter 3.2.5.2 be replaced. Finally, GE.1 may wish to decide if the column with the XML path information is useful or redundant.

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<sup>1</sup> [http://www.unece.org/trans/bcf/etir/xml\\_schemas.html](http://www.unece.org/trans/bcf/etir/xml_schemas.html)

## Annex

## Entities/Attributes and XML tags – Example : E9 message

ENTITIES / ATTRIBUTES	WCO ID	FORMAT	CODE LIST	XML PATH	XML TAG
<b>MESSAGE</b>	42A			E9	<b>E9</b>
Message function, coded	017	n..2	CL16	E9/FunctionCode	FunctionCode
Message reference number	D014	an..35		E9/ID	ID
Date	D011	an..17		E9/IssueDateTime	IssueDateTime
Type, coded	D013	an..3	CL26	E9/TypeCode	TypeCode
Total gross weight	131	n..16,6		E9/TotalGrossMassMeasure	TotalGrossMassMeasure
<b>ADDITIONALINFORMATION</b>	03A			E9/AdditionalInformation	<b>ADDITIONALINFORMATION</b>
Remarks	105	an..512		E9/AdditionalInformation/Content	Content
Heavy and bulky goods indicator	226	an..17	CL14	E9/AdditionalInformation/StatementCode	StatementCode
<b>AGENT</b>	05A			E9/Agent	<b>AGENT</b>
Code	R004	an..17		E9/Agent/ID	ID
Role, coded	R005	an..3	CL02	E9/Agent/RoleCode	RoleCode
<b>AMENDMENT</b>	06A			E9/Amendment	<b>AMENDMENT</b>
Amendment code	099	an..3	CL17	E9/Amendment/ChangeReasonCode	ChangeReasonCode
<b>POINTER</b>	97A			E9/Amendment/Pointer	<b>POINTER</b>
Sequence number	006	n..5		E9/Amendment/Pointer/SequenceNumeric	SequenceNumeric
Document/message section, coded	375	an..3	CL18	E9/Amendment/Pointer/DocumentSectionCode	DocumentSectionCode
Tag identifier	381	an..4	CL19	E9/Amendment/Pointer/TagID	TagID
<b>SUBCONTRACTOR</b>	18A			E9/Carrier	<b>CARRIER</b>
Name	R011	an..70		E9/Carrier/Name	Name
Code	R012	an..17	CL15	E9/Carrier/ID	ID
<b>ADDRESS</b>	04A			E9/Carrier/Address	<b>ADDRESS</b>
City name	241	an..35		E9/Carrier/Address/CityName	CityName
Country, coded	242	a2	CL04	E9/Carrier/Address/CountryCode	CountryCode
Street and number/P.O. Box	239	an..70		E9/Carrier/Address/Line	Line
Postcode identification	245	an..9		E9/Carrier/Address/PostcodeID	PostcodeID
<b>CONSIGNMENT</b>	28A			E9/Consignment	<b>CONSIGNMENT</b>
Sequence number	006	n..5		E9/Consignment/SequenceNumeric	SequenceNumeric
<b>ATTACHEDDOCUMENTS</b>	02A			E9/Consignment/AdditionalDocument	<b>ADDITIONALDOCUMENT</b>
Number	D005	an..35		E9/Consignment/AdditionalDocument/ID	ID
Issuing date	D002	an..17		E9/Consignment/AdditionalDocument/IssueDateTime	IssueDateTime
Type, coded	D006	an..3	CL06	E9/Consignment/AdditionalDocument/TypeCode	TypeCode
<b>BINARYFILE</b>	72B			E9/Consignment/AdditionalDocument/BinaryFile	<b>BINARYFILE</b>
Identification	M001	an..256		E9/Consignment/AdditionalDocument/BinaryFile/ID	ID
Title	M002	an..256		E9/Consignment/AdditionalDocument/BinaryFile/Title	Title

ENTITIES / ATTRIBUTES	WCO ID	FORMAT	CODE LIST	XML PATH	XML TAG
Author name	M003	an..70		E9/Consignment/AdditionalDocument/BinaryFile/AuthorName	AuthorName
Version	M004	an..17		E9/Consignment/AdditionalDocument/BinaryFile/VersionID	VersionID
File name	M005	an..256		E9/Consignment/AdditionalDocument/BinaryFile/FileNameText	FileNameText
URI	M006	an..2048		E9/Consignment/AdditionalDocument/BinaryFile/URIID	URIID
MIME	M007	an..70		E9/Consignment/AdditionalDocument/BinaryFile/MIMECode	MIMECode
Encoding	M008	an..17		E9/Consignment/AdditionalDocument/BinaryFile/EncodingCode	EncodingCode
Character set	M009	n..17		E9/Consignment/AdditionalDocument/BinaryFile/CharacterSetCode	CharacterSetCode
Include binary object	M010	N/A		E9/Consignment/AdditionalDocument/BinaryFile/IncludedBinaryObjectBinaryObject	IncludedBinaryObjectBinaryObject
Access	M011	an..256		E9/Consignment/AdditionalDocument/BinaryFile/Access	Access
Description	M012	an..256		E9/Consignment/AdditionalDocument/BinaryFile/Description	Description
Size	M013	n..16,6		E9/Consignment/AdditionalDocument/BinaryFile/SizeMeasure	SizeMeasure
Type	M014	an..6		E9/Consignment/AdditionalDocument/BinaryFile/TypeCode	TypeCode
Hash code	M015	an..256		E9/Consignment/AdditionalDocument/BinaryFile/HashCode	HashCode
Hash code algorithm id	M016	an..6		E9/Consignment/AdditionalDocument/BinaryFile/HashCodeAlgorithmIDCode	HashCodeAlgorithmIDCode
<b>CONSIGNMENTITEM</b>	29A			E9/Consignment/ConsignmentItem	<b>CONSIGNMENTITEM</b>
Sequence number	006	n..5		E9/Consignment/ConsignmentItem/SequenceNumeric	SequenceNumeric
<b>ADDITIONALINFORMATION</b>	03A			E9/Consignment/ConsignmentItem/AdditionalInformation	<b>ADDITIONALINFORMATION</b>
Remarks	105	an..512		E9/Consignment/ConsignmentItem/AdditionalInformation/Content	Content
<b>GOODS</b>	23A			E9/Consignment/ConsignmentItem/Commodity	<b>COMMODITY</b>
Description	138	an..256		E9/Consignment/ConsignmentItem/Commodity/CargoDescription	CargoDescription
<b>CLASSIFICATION</b>	21A			E9/Consignment/ConsignmentItem/Commodity/Classification	<b>CLASSIFICATION</b>
Code	145	an..18		E9/Consignment/ConsignmentItem/Commodity/Classification/ID	ID
Type	337	an..3	CL03	E9/Consignment/ConsignmentItem/Commodity/Classification/IdentificationTypeCode	IdentificationTypeCode
<b>CONSIGNEE</b>	27A			E9/Consignment/ConsignmentItem/Consignee	<b>CONSIGNEE</b>
Name	R014	an..70		E9/Consignment/ConsignmentItem/Consignee/Name	Name
Code	R015	an..17		E9/Consignment/ConsignmentItem/Consignee/ID	ID
<b>ADDRESS</b>	04A			E9/Consignment/ConsignmentItem/Consignee/Address	<b>ADDRESS</b>
City name	241	an..35		E9/Consignment/ConsignmentItem/Consignee/Address/CityName	CityName
Country, coded	242	a2	CL04	E9/Consignment/ConsignmentItem/Consignee/Address/CountryCode	CountryCode
Street and number/P.O. Box	239	an..70		E9/Consignment/ConsignmentItem/Consignee/Address/Line	Line
Postcode identification	245	an..9		E9/Consignment/ConsignmentItem/Consignee/Address/PostcodeID	PostcodeID
<b>CONSIGNOR</b>	30A			E9/Consignment/ConsignmentItem/Consignor	<b>CONSIGNOR</b>
Name	R020	an..70		E9/Consignment/ConsignmentItem/Consignor/Name	Name
Code	R021	an..17		E9/Consignment/ConsignmentItem/Consignor/ID	ID
<b>ADDRESS</b>	04A			E9/Consignment/ConsignmentItem/Consignor/Address	<b>ADDRESS</b>
City name	241	an..35		E9/Consignment/ConsignmentItem/Consignor/Address/CityName	CityName
Country, coded	242	a2	CL04	E9/Consignment/ConsignmentItem/Consignor/Address/CountryCode	CountryCode
Street and number/P.O. Box	239	an..70		E9/Consignment/ConsignmentItem/Consignor/Address/Line	Line
Postcode identification	245	an..9		E9/Consignment/ConsignmentItem/Consignor/Address/PostcodeID	PostcodeID
<b>DELIVERYDESTINATION</b>	44A			E9/Consignment/ConsignmentItem/DeliveryDestination	<b>DELIVERYDESTINATION</b>
Name	R027	an..70		E9/Consignment/ConsignmentItem/DeliveryDestination/Name	Name

ENTITIES / ATTRIBUTES	WCO ID	FORMAT	CODE LIST	XML PATH	XML TAG
<b>ADDRESS</b>	04A			E9/Consignment/ConsignmentItem/DeliveryDestination/Address	<b>ADDRESS</b>
City name	241	an..35		E9/Consignment/ConsignmentItem/DeliveryDestination/Address/CityName	CityName
Country, coded	242	a2	CL04	E9/Consignment/ConsignmentItem/DeliveryDestination/Address/CountryCode	CountryCode
Street and number/P.O. Box	239	an..70		E9/Consignment/ConsignmentItem/DeliveryDestination/Address/Line	Line
Postcode identification	245	an..9		E9/Consignment/ConsignmentItem/DeliveryDestination/Address/PostcodeID	PostcodeID
<b>GOODSMEASURE</b>	65A			E9/Consignment/ConsignmentItem/GoodsMeasure	<b>GOODSMEASURE</b>
Gross weight	126	n..16,6		E9/Consignment/ConsignmentItem/GoodsMeasure/GrossMassMeasure	GrossMassMeasure
<b>PACKAGING</b>	93A			E9/Consignment/ConsignmentItem/Packaging	<b>PACKAGING</b>
Marks and numbers	142	an..512		E9/Consignment/ConsignmentItem/Packaging/MarksNumbersID	MarksNumbersID
Number of packages	144	n..8		E9/Consignment/ConsignmentItem/Packaging/QuantityQuantity	QuantityQuantity
Type, coded	141	an..2	CL07	E9/Consignment/ConsignmentItem/Packaging/TypeCode	TypeCode
<b>TRANSPORTEQUIPMENT</b>	31B			E9/Consignment/ConsignmentItem/TransportEquipment	<b>TRANSPORTEQUIPMENT</b>
Identification	159	an..17		E9/Consignment/ConsignmentItem/TransportEquipment/ID	ID
<b>JCR</b>	35B			E9/Consignment/ConsignmentItem/JCR	<b>JCR</b>
Identifier	016	an..35		E9/Consignment/ConsignmentItem/JCR/ID	ID
<b>LOADINGLOCATION</b>	83A			E9/Consignment/LoadingLocation	<b>LOADINGLOCATION</b>
Name	L009	an..256		E9/Consignment/LoadingLocation/Name	Name
<b>NOTIFYPARTY</b>	89A			E9/Consignment/NotifyParty	<b>NOTIFYPARTY</b>
Name	R045	an..70		E9/Consignment/NotifyParty/Name	Name
Code	R046	an..17		E9/Consignment/NotifyParty/ID	ID
<b>ADDRESS</b>	04A			E9/Consignment/NotifyParty/Address	<b>ADDRESS</b>
City name	241	an..35		E9/Consignment/NotifyParty/Address/CityName	CityName
Country, coded	242	a2	CL04	E9/Consignment/NotifyParty/Address/CountryCode	CountryCode
Street and number/P.O. Box	239	an..70		E9/Consignment/NotifyParty/Address/Line	Line
Postcode identification	245	an..9		E9/Consignment/NotifyParty/Address/PostcodeID	PostcodeID
<b>CUSTOMSOFFICEOFDEPARTURE</b>	25B			E9/Consignment/TransitDeparture	<b>TRANSITDEPARTURE</b>
Code	L087	an..17	CL13	E9/Consignment/TransitDeparture/ID	ID
<b>CUSTOMSOFFICEOFDESTINATION</b>	26B			E9/Consignment/TransitDestination	<b>TRANSITDESTINATION</b>
Code	L008	an..17	CL13	E9/Consignment/TransitDestination/ID	ID
<b>TRANSPORTMEAN</b>	29B			E9/Consignment/TransitTransportMeans	<b>TRANSITTRANSPORTMEANS</b>
Identification	T007	an..25		E9/Consignment/TransitTransportMeans/ID	ID
Type, coded	T011	an..4	CL05	E9/Consignment/TransitTransportMeans/TypeCode	TypeCode
Nationality	T015	a2	CL04	E9/Consignment/TransitTransportMeans/RegistrationNationalityCode	RegistrationNationalityCode
Conveyance reference number	149	an..17		E9/Consignment/TransitTransportMeans/JourneyID	JourneyID
<b>COUNTRYOFROUTING</b>	81A			E9/Consignment/TransitTransportMeans/Itinerary	<b>ITINERARY</b>
Sequence number	006	n..5		E9/Consignment/TransitTransportMeans/Itinerary/SequenceNumeric	SequenceNumeric
Country, coded	064	a2	CL04	E9/Consignment/TransitTransportMeans/Itinerary/RoutingCountryCode	RoutingCountryCode
<b>CERTIFICATEOFAPPROVAL</b>	02A			E9/Consignment/TransitTransportMeans/AdditionalDocument	<b>ADDITIONALDOCUMENT</b>
Number	D005	an..35		E9/Consignment/TransitTransportMeans/AdditionalDocument/ID	ID
Date	D002	an..17		E9/Consignment/TransitTransportMeans/AdditionalDocument/IssueDateTime	IssueDateTime
Type, coded	D006	an..3	CL06	E9/Consignment/TransitTransportMeans/AdditionalDocument/TypeCode	TypeCode

ENTITIES / ATTRIBUTES	WCO ID	FORMAT	CODE LIST	XML PATH	XML TAG
<b>BINARYFILE</b>	72B			E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile	<b>BINARYFILE</b>
Identification	M001	an..256		E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile/ID	ID
Title	M002	an..256		E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile/Title	Title
Author name	M003	an..70		E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile/AuthorName	AuthorName
Version	M004	an..17		E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile/VersionID	VersionID
File name	M005	an..256		E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile/FileNameText	FileNameText
URI	M006	an..2048		E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile/URIID	URIID
MIME	M007	an..70		E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile/MIMECode	MIMECode
Encoding	M008	an..17		E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile/EncodingCode	EncodingCode
Character set	M009	n..17		E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile/CharacterSetCode	CharacterSetCode
Include binary object	M010	N/A		E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile/IncludedBinaryObjectBinaryObject	IncludedBinaryObjectBinaryObject
Access	M011	an..256		E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile/Access	Access
Description	M012	an..256		E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile/Description	Description
Size	M013	n..16,6		E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile/SizeMeasure	SizeMeasure
Type	M014	an..6		E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile/TypeCode	TypeCode
Hash code	M015	an..256		E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile/HashCode	HashCode
Hash code algorithm id	M016	an..6		E9/Consignment/TransitTransportMeans/AdditionalDocument/BinaryFile/HashCodeAlgorithmIDCode	HashCodeAlgorithmIDCode
<b>TRANSPORTEQUIPMENT</b>	31B			E9/Consignment/TransportEquipment	<b>TRANSPORTEQUIPMENT</b>
Sequence number	006	n..5		E9/Consignment/TransportEquipment/SequenceNumeric	SequenceNumeric
Size and type identification	152	an..4	CL01	E9/Consignment/TransportEquipment/CharacteristicCode	CharacteristicCode
Identification	159	an..17		E9/Consignment/TransportEquipment/ID	ID
<b>SEAL</b>	44B			E9/Consignment/TransportEquipment/Seal	<b>SEAL</b>
Sequence number	006	n..5		E9/Consignment/TransportEquipment/Seal/SequenceNumeric	SequenceNumeric
Seal number	165	an..35		E9/Consignment/TransportEquipment/Seal/ID	ID
Seal type code	407	an..3	CL08	E9/Consignment/TransportEquipment/Seal/TypeCode	TypeCode
<b>GUARANTEE</b>	90A			E9/ObligationGuarantee	<b>OBLIGATIONGUARANTEE</b>
Reference	100	an..35		E9/ObligationGuarantee/ReferenceID	ReferenceID
<b>HOLDER</b>	28B			E9/Principal	<b>PRINCIPAL</b>
Name	R001	an..70		E9/Principal/Name	Name
Code	R002	an..17	CL15	E9/Principal/ID	ID
<b>ADDRESS</b>	04A			E9/Principal/Address	<b>ADDRESS</b>
City name	241	an..35		E9/Principal/Address/CityName	CityName
Country, coded	242	a2	CL04	E9/Principal/Address/CountryCode	CountryCode
Street and number/P.O. Box	239	an..70		E9/Principal/Address/Line	Line
Postcode identification	245	an..9		E9/Principal/Address/PostcodeID	PostcodeID