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Group of Experts on Conceptual and Technical Aspects of Computerization of the TIR Procedure

Third session

Geneva, 13–15 September 2021

Item 4 (d) of the provisional agenda

**eTIR conceptual, functional and technical documentation version 4.3:
eTIR technical specifications**

Technical details of message pair I7/I8

Note by the secretariat

I. Mandate

1. The Inland Transport Committee (ITC), at its eighty-second session (23–28 February 2020) approved (ECE/TRANS/294, para. 84¹) the establishment of the Group of Experts on Conceptual and Technical Aspects of Computerization of the TIR Procedure (WP.30/GE.1) and endorsed its Terms of Reference (ToR)² (ECE/TRANS/WP30/2019/9 and ECE/TRANS/WP.30/2019/9/Corr.1), pending approval by the United Nations Economic Commission for Europe (ECE) Executive Committee (EXCOM). EXCOM during its remote informal meeting (20 May 2020) approved the establishment of WP.30/GE.1 until 2022, based on the ToR included in document ECE/TRANS/WP.30/2019/9 and Corr.1, as contained in document ECE/TRANS/294 (ECE/EX/2020/L.2, para. 5(b)).³

2. The ToR of the Group stipulate that the Group should focus its work on preparing a new version of the eTIR specifications, pending the formal establishment of the Technical Implementation Body (TIB). More specifically, the Group should (a) prepare a new version of the technical specifications of the eTIR procedure, and amendments thereto, ensuring their alignment with the functional specifications of the eTIR procedure; (b) prepare a new version of the functional specifications of the eTIR procedure, and amendments thereto, ensuring

¹ Decision of the Inland Transport Committee para. 84 / ECE/TRANS/294
www.unece.org/fileadmin/DAM/trans/doc/2020/itc/ECE-TRANS-294e.pdf

² Terms of reference of the newly established Group approved by the Inland Transport Committee and the Executive Committee (EXCOM) of ECE

³ Decision of EXCOM, ECE/EX/2020/L.2 / para. 5(b)
www.unece.org/fileadmin/DAM/commission/EXCOM/Agenda/2020/Remote_informal_mtg_20_05_2020/Item_4_ECE_EX_2020_L.2_ITC_Sub_bodies_E.pdf

their alignment with the conceptual specifications of the eTIR procedure; (c) prepare amendments to the conceptual specifications of the eTIR procedure, upon requests by WP.30.

3. This document presents the technical details of the eTIR messages I7 and I8. These aspects will be part of the eTIR technical specifications document.

II. Communication between eTIR stakeholders and the eTIR international system

A. List of eTIR messages

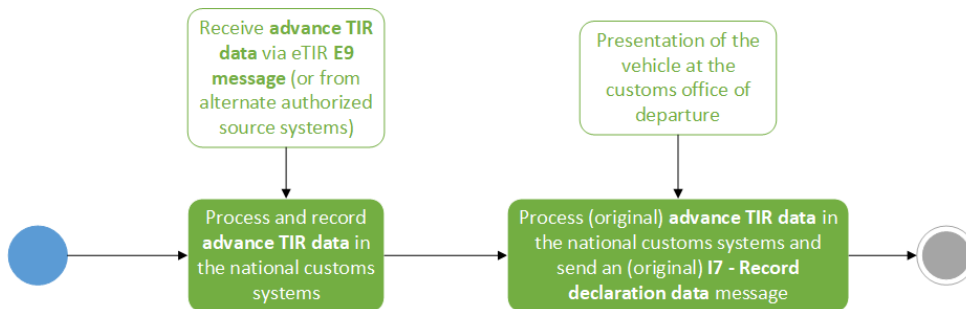
1. I7/I8 message pair

4. This section describes the technical specifications of the “I7 – Record declaration data” request message, sent by the national customs system to send the data relevant to the declaration accepted by the customs authorities; and the “I8 – Record declaration data results” response message, sent back by the eTIR international system.

(a) I7 – Record declaration data

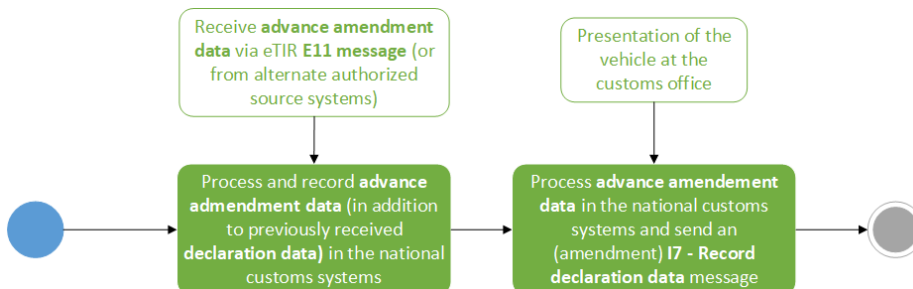
5. It is important to note that the “I7 – Record declaration data” message can be used in two different approaches. The first approach is by the initial customs office of departure that will start the TIR transport and where the national customs system will send the original declaration data to the eTIR international system. This declaration data is built upon the "advance TIR data" previously sent by the holder as shown in the following figure.

Figure I
Sending the original declaration data



6. The second approach is by any other customs office along the itinerary which would have received "advance amendment data" from the holder. In this case, and upon acceptance of this data by the customs officer, the national customs system of this customs office will send an amendment of the declaration data to the eTIR international system.

Figure II
Sending the amended declaration data



7. The way to indicate if the “I7 – Record declaration data” message is used as “original” or an “amended” declaration data is by setting the appropriate value in the first field of the message: "Message function, coded".

Table 1
17 – field details

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
Message function, coded	Function	R	1..1	n..2	CL16		
Message identifier	ID	R	1..1	an..70			
Type, coded	TypeCode	R	1..1	an..3	CL26		
└ DECLARATIONDATA	Declaration	R	1..1				
Issuing date time	Declaration/IssueDateTime	R	1..1	an..35			
Total gross weight	Declaration/TotalGrossMassMeasure	O	0..1	n..16,6			
└ ADDITIONALINFORMATION	Declaration/AdditionalInformation	D	0..1			C008	
└ Remarks	Declaration/AdditionalInformation/StatementDescription	O	0..1	an..512			
└ AGENT	Declaration/Agent	O	0..1				
Name	Declaration/Agent/Name	D	0..1	an..70		C001	
Identifier	Declaration/Agent/ID	D	1..1	an..35		C001	
└ Role, coded	Declaration/Agent/RoleCode	R	1..1	an..3	CL02		
└ AMENDMENT	Declaration/Amendment	D	0..*			C008	
Type, coded	Declaration/Amendment/ChangeReasonCode	R	1..1	an..3	CL17		
└ POINTER	Declaration/Amendment/Pointer	R	1..1				
Sequence number	Declaration/Amendment/Pointer/SequenceNumeric	R	1..1	n..5			
└ Location	Declaration/Amendment/Pointer/Location	R	1..1	an..512			
└ SUBCONTRACTOR	Declaration/Carrier	O	0..*				
Name	Declaration/Carrier/Name	D	0..1	an..70		C001	
Identifier	Declaration/Carrier/ID	D	0..1	an..35		C001	
└ ADDRESS	Declaration/Carrier/Address	D	0..1			C001	

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
City name	Declaration/Carrier/Address/CityName	R	1..1	an..35			
Country, coded	Declaration/Carrier/Address/CountryCode	R	1..1	a2	CL04		
Street and number/P.O. Box	Declaration/Carrier/Address/Line	R	1..1	an..256			
Postcode identification	Declaration/Carrier/Address/PostcodeID	O	0..1	an..17			
CONSIGNMENT	Declaration/Consignment	D	0..*			C008	
Sequence number	Declaration/Consignment/SequenceNumeric	R	1..1	n..5			
Heavy or bulky goods indicator	Declaration/Consignment/HeavyOrBulkyGoodsIndicator	R	1..1				
ATTACHEDDOCUMENTS	Declaration/Consignment/AdditionalDocument	O	0..*				
Number	Declaration/Consignment/AdditionalDocument/ID	R	1..1	an..70			
Issuing date time	Declaration/Consignment/AdditionalDocument/IssueDateTime	R	1..1	an..35			
Type, coded	Declaration/Consignment/AdditionalDocument/TypeCode	R	1..1	an..3	CL06		
BINARYFILE	Declaration/Consignment/AdditionalDocument/BinaryFile	O	0..1				
Identifier	Declaration/Consignment/AdditionalDocument/BinaryFile/ID	R	1..1	an..256			
Title	Declaration/Consignment/AdditionalDocument/BinaryFile/Title	R	1..1	an..256			
Author name	Declaration/Consignment/AdditionalDocument/BinaryFile/AuthorName	O	0..1	an..70			
Version	Declaration/Consignment/AdditionalDocument/BinaryFile/VersionID	O	0..1	an..17			
File name	Declaration/Consignment/AdditionalDocument/BinaryFile/FileNametext	O	0..1	an..256			
URI	Declaration/Consignment/AdditionalDocument/BinaryFile/URIID	O	0..1	an..204 8			
MIME	Declaration/Consignment/AdditionalDocument/BinaryFile/MIMECode	O	0..1	an..70			
Encoding	Declaration/Consignment/AdditionalDocument/BinaryFile/EncodingCode	O	0..1	an..17			
Character set	Declaration/Consignment/AdditionalDocument/BinaryFile/CharacterSetCod	O	0..1	n..17			

e

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
Include binary object	Declaration/Consignment/AdditionalDocument/BinaryFile/IncludedBinaryObjectBinaryObject	O	0..1	N/A			
Access	Declaration/Consignment/AdditionalDocument/BinaryFile/Access	O	0..1	an..256			
Description	Declaration/Consignment/AdditionalDocument/BinaryFile/Description	O	0..1	an..256			
Size	Declaration/Consignment/AdditionalDocument/BinaryFile/SizeMeasure	O	0..1	n..16,6			
Hash code	Declaration/Consignment/AdditionalDocument/BinaryFile/HashCode	O	0..1	an..256			
Hash code algorithm id	Declaration/Consignment/AdditionalDocument/BinaryFile/HashCodeAlgorithmIDCode	O	0..1	an..6			
CONSIGNMENTITEM	Declaration/Consignment/ConsignmentItem	R	1..*				
Sequence number	Declaration/Consignment/ConsignmentItem/SequenceNumeric	R	1..1	n..5			
ADDITIONALINFORMATION	Declaration/Consignment/ConsignmentItem/AdditionalInformation	O	0..*				
Remarks	Declaration/Consignment/ConsignmentItem/AdditionalInformation/Content	R	1..1	an..512			
GOODS	Declaration/Consignment/ConsignmentItem/Commodity	R	1..1				
Description	Declaration/Consignment/ConsignmentItem/Commodity/CargoDescription	D	0..1	an..256		C004	
CLASSIFICATION	Declaration/Consignment/ConsignmentItem/Commodity/Classification	O	0..*				
Code	Declaration/Consignment/ConsignmentItem/Commodity/Classification/ID	R	1..1	an..18			
Type, coded	Declaration/Consignment/ConsignmentItem/Commodity/Classification/IdentificationTypeCode	R	1..1	an..3	CL03		
CONSIGNEE	Declaration/Consignment/ConsignmentItem/Consignee	O	0..1				
Name	Declaration/Consignment/ConsignmentItem/Consignee/Name	D	0..1	an..70		C001	
Identifier	Declaration/Consignment/ConsignmentItem/Consignee/ID	D	0..1	an..35		C001	
ADDRESS	Declaration/Consignment/ConsignmentItem/Consignee/Address	D	0..1			C001	
City name	Declaration/Consignment/ConsignmentItem/Consignee/Address/CityName	R	1..1	an..35			

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
Country, coded	Declaration/Consignment/ConsignmentItem/Consignee/Address/CountryCode	R	1..1	a2	CL04		
Street and number/P.O. Box	Declaration/Consignment/ConsignmentItem/Consignee/Address/Line	R	1..1	an..256			
Postcode identification	Declaration/Consignment/ConsignmentItem/Consignee/Address/PostcodeID	O	0..1	an..17			
CONSIGNOR	Declaration/Consignment/ConsignmentItem/Consignor	O	0..1				
Name	Declaration/Consignment/ConsignmentItem/Consignor/Name	D	0..1	an..70		C001	
Identifier	Declaration/Consignment/ConsignmentItem/Consignor/ID	D	0..1	an..35		C001	
ADDRESS	Declaration/Consignment/ConsignmentItem/Consignor/Address	D	0..1			C001	
City name	Declaration/Consignment/ConsignmentItem/Consignor/Address/CityName	R	1..1	an..35			
Country, coded	Declaration/Consignment/ConsignmentItem/Consignor/Address/CountryCode	R	1..1	a2	CL04		
Street and number/P.O. Box	Declaration/Consignment/ConsignmentItem/Consignor/Address/Line	R	1..1	an..256			
Postcode identification	Declaration/Consignment/ConsignmentItem/Consignor/Address/PostcodeID	O	0..1	an..17			
DELIVERYDESTINATION	Declaration/Consignment/ConsignmentItem/DeliveryDestination	O	0..1				
Name	Declaration/Consignment/ConsignmentItem/DeliveryDestination/Name	R	1..1	an..70			
ADDRESS	Declaration/Consignment/ConsignmentItem/DeliveryDestination/Address	R	1..1				
City name	Declaration/Consignment/ConsignmentItem/DeliveryDestination/Address/CityName	R	1..1	an..35			
Country, coded	Declaration/Consignment/ConsignmentItem/DeliveryDestination/Address/CountryCode	R	1..1	a2	CL04		
Street and number/P.O. Box	Declaration/Consignment/ConsignmentItem/DeliveryDestination/Address/Line	R	1..1	an..256			
Postcode identification	Declaration/Consignment/ConsignmentItem/DeliveryDestination/Address/PostcodeID	O	0..1	an..17			
GOODSMEASURE	Declaration/Consignment/ConsignmentItem/GoodsMeasure	R	1..1				

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
^L Gross weight	Declaration/Consignment/ConsignmentItem/GoodsMeasure/GrossMassMeasure	R	1..1	n..16,6			
[┐] PACKAGING	Declaration/Consignment/ConsignmentItem/Packaging	R	1..*				
[┐] Sequence number	Declaration/Consignment/ConsignmentItem/Packaging/SequenceNumeric	R	1..1	n..5			
[┐] Marks and numbers	Declaration/Consignment/ConsignmentItem/Packaging/MarksNumbersID	D	0..1	an..512		C002	
[┐] Number of packages	Declaration/Consignment/ConsignmentItem/Packaging/QuantityQuantity	D	0..1	n..8		C002	
^L Type, coded	Declaration/Consignment/ConsignmentItem/Packaging/TypeCode	R	1..1	an..2	CL07		
[┐] TRANSPORTEQUIPMENT	Declaration/Consignment/ConsignmentItem/TransportEquipment	D	0..1			C003	
^L Identifier	Declaration/Consignment/ConsignmentItem/TransportEquipment/ID	R	1..1	an..17			
[┐] UCR	Declaration/Consignment/ConsignmentItem/UCR	O	0..1				
^L Identifier	Declaration/Consignment/ConsignmentItem/UCR/ID	O	0..1	an..35			
[┐] LOADINGLOCATION	Declaration/Consignment/LoadingLocation	O	0..1				
^L Name	Declaration/Consignment/LoadingLocation/Name	O	0..1	an..256			
[┐] NOTIFYPARTY	Declaration/Consignment/NotifyParty	O	0..1				
[┐] Name	Declaration/Consignment/NotifyParty/Name	D	0..1	an..70		C001	
[┐] Identifier	Declaration/Consignment/NotifyParty/ID	D	0..1	an..35		C001	
[┐] ADDRESS	Declaration/Consignment/NotifyParty/Address	D	0..1			C001	
[┐] City name	Declaration/Consignment/NotifyParty/Address/CityName	R	1..1	an..35			
[┐] Country, coded	Declaration/Consignment/NotifyParty/Address/CountryCode	R	1..1	a2	CL04		
[┐] Street and number/P.O. Box	Declaration/Consignment/NotifyParty/Address/Line	R	1..1	an..256			
^L Postcode identification	Declaration/Consignment/NotifyParty/Address/PostcodeID	O	0..1	an..17			
[┐] CUSTOMSOFFICEOFDEPARTURE	Declaration/Consignment/TransitDeparture	R	1..1				
^L Identifier	Declaration/Consignment/TransitDeparture/ID	R	1..1	an..35			

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
CUSTOMSOFFICEOFDESTINATION	Declaration/Consignment/TransitDestination	R	1..1				
Identifier	Declaration/Consignment/TransitDestination/ID	R	1..1	an..35			
TRANSPORTMEANS	Declaration/Consignment/TransitTransportMeans	R	1..*				
Identifier	Declaration/Consignment/TransitTransportMeans/ID	R	1..1	an..25			
Type, coded	Declaration/Consignment/TransitTransportMeans/TypeCode	R	1..1	an..4	CL05		
Nationality, coded	Declaration/Consignment/TransitTransportMeans/RegistrationNationalityCode	R	1..1	a2	CL04		
Conveyance reference number	Declaration/Consignment/TransitTransportMeans/JourneyID	O	0..1	an..17			
Sequence number	Declaration/Consignment/TransitTransportMeans/SequenceNumeric	R	1..1	n..5			
COUNTRYOFRouting	Declaration/Consignment/TransitTransportMeans/Itinerary	R	1..*				
Sequence number	Declaration/Consignment/TransitTransportMeans/Itinerary/SequenceNumeric	R	1..1	n..5			
Country, coded	Declaration/Consignment/TransitTransportMeans/Itinerary/RoutingCountryCode	R	1..1	a2	CL04		
TRANSPORTEQUIPMENT	Declaration/Consignment/TransportEquipment	D	0..*				C003
Sequence number	Declaration/Consignment/TransportEquipment/SequenceNumeric	R	1..1	n..5			
Size and type, coded	Declaration/Consignment/TransportEquipment/CharacteristicCode	R	1..1	an..4	CL01		
Identifier	Declaration/Consignment/TransportEquipment/ID	R	1..1	an..17			
CERTIFICATEOFAPPROVAL	Declaration/Consignment/TransportEquipment/AdditionalDocument	D	0..1				C005
Number	Declaration/Consignment/TransportEquipment/AdditionalDocument/ID	R	1..1	an..70			
Issuing date time	Declaration/Consignment/TransportEquipment/AdditionalDocument/IssueDateTime	R	1..1	an..35			
Type, coded	Declaration/Consignment/TransportEquipment/AdditionalDocument/TypeCode	R	1..1	an..3	CL06		

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
⊔ BINARYFILE	Declaration/Consignment/TransportEquipment/AdditionalDocument/Binary File	O	0..1				
⊔ Identifier	Declaration/Consignment/TransportEquipment/AdditionalDocument/Binary File/ID	R	1..1	an..256			
⊔ Title	Declaration/Consignment/TransportEquipment/AdditionalDocument/Binary File/Title	R	1..1	an..256			
⊔ Author name	Declaration/Consignment/TransportEquipment/AdditionalDocument/Binary File/AuthorName	O	0..1	an..70			
⊔ Version	Declaration/Consignment/TransportEquipment/AdditionalDocument/Binary File/VersionID	O	0..1	an..17			
⊔ File name	Declaration/Consignment/TransportEquipment/AdditionalDocument/Binary File/FileNameText	O	0..1	an..256			
⊔ URI	Declaration/Consignment/TransportEquipment/AdditionalDocument/Binary File/URIID	O	0..1	an..204 8			
⊔ MIME	Declaration/Consignment/TransportEquipment/AdditionalDocument/Binary File/MIMECode	O	0..1	an..70			
⊔ Encoding	Declaration/Consignment/TransportEquipment/AdditionalDocument/Binary File/EncodingCode	O	0..1	an..17			
⊔ Character set	Declaration/Consignment/TransportEquipment/AdditionalDocument/Binary File/CharacterSetCode	O	0..1	n..17			
⊔ Include binary object	Declaration/Consignment/TransportEquipment/AdditionalDocument/Binary File/IncludedBinaryObjectBinaryObject	O	0..1	N/A			
⊔ Access	Declaration/Consignment/TransportEquipment/AdditionalDocument/Binary File/Access	O	0..1	an..256			
⊔ Description	Declaration/Consignment/TransportEquipment/AdditionalDocument/Binary File/Description	O	0..1	an..256			
⊔ Size	Declaration/Consignment/TransportEquipment/AdditionalDocument/Binary File/SizeMeasure	O	0..1	n..16,6			

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
Hash code	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/HashCode	O	0..1	an..256			
Hash code algorithm id	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/HashCodeAlgorithmIDCode	O	0..1	an..6			
SEAL	Declaration/Consignment/TransportEquipment/Seal	O	0..*				
Sequence number	Declaration/Consignment/TransportEquipment/Seal/SequenceNumeric	R	1..1	n..5			
Seal number	Declaration/Consignment/TransportEquipment/Seal/ID	R	1..1	an..35			
Seal type, coded	Declaration/Consignment/TransportEquipment/Seal/TypeCode	O	0..1	an..3	CL08		
GUARANTEE	Declaration/DeclarationGuarantee	D	1..1				C008
Reference	Declaration/DeclarationGuarantee/ReferenceID	R	1..1	an..35			
HOLDER	Declaration/Principal	D	0..1				C008
Name	Declaration/Principal/Name	O	0..1	an..70			
Identifier	Declaration/Principal/ID	R	1..1	an..35			
ADDRESS	Declaration/Principal/Address	D	0..1				C001
City name	Declaration/Principal/Address/CityName	R	1..1	an..35			
Country, coded	Declaration/Principal/Address/CountryCode	R	1..1	a2	CL04		
Street and number/P.O. Box	Declaration/Principal/Address/Line	R	1..1	an..256			
Postcode identification	Declaration/Principal/Address/PostcodeID	O	0..1	an..17			

Table 2
17 – field descriptions and usages

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Description</i>	<i>Usage</i>
Message function, coded	Function	Code describing the function of the message	The value should be set to "9" if this message is the original (the first one to be submitted for this TIR transport) or "4" if this message reflects an amendment to the declaration

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
Message identifier	ID	Unique identifier of the message	The value should be a Globally Unique Identifier (GUID) as detailed in the dedicated section of the introduction document
Type, coded	TypeCode	Code of the message type	The value should be set to "I7"
└ DECLARATIONDATA	Declaration	Class representing the declaration data as accepted by customs	
Issuing date time	Declaration/IssueDateTime	Date at which the message E9 (or E11) received by the customs, was issued	The value should be the one from the "Issuing date" attribute of the message E9 received by the customs
Total gross weight	Declaration/TotalGrossMassMeasure	Total gross weight of goods (including packaging) of the declaration	The value should be the total gross weight as a decimal number The unit should be defined in the Measure Unit. The code attribute should match one of the values listed in the list Measurement unit code (UNECE Recommendation 20)
└ ADDITIONALINFORMATION	Declaration/AdditionalInformation	Class containing potential additional information at the declaration level	
└ Remarks	Declaration/AdditionalInformation/StatementDescription	Text used to allow for remarks to the declaration from the holder	The value should be containing the remarks to the declaration from the transporter, or remains blank if there are none
└ AGENT	Declaration/Agent	Class representing the potential agent which would declare the goods on behalf of the holder	
Name	Declaration/Agent/Name	Name of the agent	The value should be the official company name, or the first and last name of the person in case of physical person, to allow for quick identification
Identifier	Declaration/Agent/ID	Unique identifier of the agent	The value should be the unique identifier of the agent
Role, coded	Declaration/Agent/RoleCode	Code of the role of the agent	The value should be the code matching the role of the agent from the list Party role code (UN/EDIFACT 3035)
└ AMENDMENT	Declaration/Amendment	Class representing the list of potential amendments to the declaration	
Type, coded	Declaration/Amendment/ChangeReasonCode	Code describing the type of amendment	The value should be the code matching the type of amendment from the list Amendment type code (eTIR)
└ POINTER	Declaration/Amendment/Pointer	Class representing the pointer to the part of the declaration to be amended	
Sequence number	Declaration/Amendment/Pointer/SequenceNumber	Index of the pointer in the list	The value should be the 1-based index of the pointer in the list
Location	Declaration/Amendment/Pointer/Location	Location of the class or attribute to be amended	The value should be the location of the class or attribute following the XPath syntax
└ SUBCONTRACTOR	Declaration/Carrier	Class representing the potential agent which undertakes or arranges transport of goods between named points	

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
Name	Declaration/Carrier/Name	Name of the subcontractor	The value should be the official company name, or the first and last name of the person in case of physical person, to allow for quick identification
Identifier	Declaration/Carrier/ID	Unique identifier of the subcontractor	The value should be the unique identifier of the subcontractor
ADDRESS	Declaration/Carrier/Address	Class representing the physical address of the subcontractor	
City name	Declaration/Carrier/Address/CityName	City name of the physical address of the subcontractor	The value should be the city name of the physical address of the subcontractor
Country, coded	Declaration/Carrier/Address/CountryCode	Code of the country of the physical address of the subcontractor	The value should be the code of the country of the physical address of the subcontractor from the list Country name code (ISO 3166-1-alpha-2)
Street and number/P.O. Box	Declaration/Carrier/Address/Line	Street name of the physical address of the subcontractor	The value should be the street name and number (or equivalent) of the physical address of the subcontractor
Postcode identification	Declaration/Carrier/Address/PostcodeID	Postal/Zip code of the physical address of the subcontractor	The value should be the postal/ZIP code of the physical address of the subcontractor
CONSIGNMENT	Declaration/Consignment	Class representing the list of details on the transport of goods between a loading point and an unloading point	
Sequence number	Declaration/Consignment/SequenceNumeric	Index of the consignment in the list	The value should be the 1-based index of the consignment in the list
Heavy or bulky goods indicator	Declaration/Consignment/HeavyOrBulkyGoodsIndicator	Code describing whether the goods are considered (according to article 29) as "heavy or bulky", as defined article 1 (p) of the TIR Convention.	The value should be "1" if the goods are considered by the customs as "heavy or bulky" or "0" otherwise
ATTACHEDDOCUMENTS	Declaration/Consignment/AdditionalDocument	Class representing the list of potential additional documents supplied as part of the declaration and related to the consignment	
Number	Declaration/Consignment/AdditionalDocument/ID	Identifier of the document	The value should be an ID identifying the document and it should be unique among all other attached documents of the declaration
Issuing date time	Declaration/Consignment/AdditionalDocument/IssueDateTime	Issuing date of the document	The value should be a date and time to be provided following the EDIFACT 208 format CCYYMMDDHHMMSSZHHMM. For Example: 20200820145600+0100 represents 20 August 2020 at 14:56 UTC+01:00.
Type, coded	Declaration/Consignment/AdditionalDocument/TypeCode	Code of the type of the document	The value should be the code of the type of the document from the list Document name code (UN/EDIFACT 1001)
BINARYFILE	Declaration/Consignment/AdditionalDocument/BinaryFile	Class representing the content of the document	

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
Identifier	Declaration/Consignment/AdditionalDocument/BinaryFile/ID	Unique identifier of the file representing the document	The value should be an ID identifying the file and it should be unique among all other binary files of the declaration
Title	Declaration/Consignment/AdditionalDocument/BinaryFile/Title	Title of the document	The value should be the title of the document
Author name	Declaration/Consignment/AdditionalDocument/BinaryFile/AuthorName	Name of the author of the document	The value should be the first and last name of the author of the document
Version	Declaration/Consignment/AdditionalDocument/BinaryFile/VersionID	Version number of the document	The value should be the version of the document
File name	Declaration/Consignment/AdditionalDocument/BinaryFile/FileNameText	File name of the document	The value should be the name of the file representing the document, including the extension
URI	Declaration/Consignment/AdditionalDocument/BinaryFile/URIID	URI of the document	The value should be the Unique Resource Identifier (URI) allowing to access the document instead of relying on a binary object representation
MIME	Declaration/Consignment/AdditionalDocument/BinaryFile/MIMECode	Code of the MIME type of the file	The value should be one of the MIME types as listed by the IANA organization
Encoding	Declaration/Consignment/AdditionalDocument/BinaryFile/EncodingCode	Code of the encoding algorithm of the file	The value should be the type of encoding algorithm used to encode the file
Character set	Declaration/Consignment/AdditionalDocument/BinaryFile/CharacterSetCode	Code of the character set of the file	The value should be the character set used in case the file is a text file
Include binary object	Declaration/Consignment/AdditionalDocument/BinaryFile/IncludedBinaryObjectBinaryObject	Binary representation of the file	The value should be the content of the file represented using the characteristics mentioned in the other attributes (EncodingCode and CharacterSetCode)
Access	Declaration/Consignment/AdditionalDocument/BinaryFile/Access	Access information of the file	The value should be the information needed to access the file, such as security and download parameters. This is only useful when the file is accessible using the URIID parameter
Description	Declaration/Consignment/AdditionalDocument/BinaryFile/Description	Description of the document	The value should be the description of the document and explain what it contains
Size	Declaration/Consignment/AdditionalDocument/BinaryFile/SizeMeasure	Size of the file	The value should be the size of the file The unit should be defined in the Measure Unit. The code attribute should match one of the values listed in the Measurement unit code (UNECE Recommendation 20)

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Description</i>	<i>Usage</i>
Hash code	Declaration/Consignment/AdditionalDocument/BinaryFile/HashCode	Hash value of the file	The value should be the hash code string that resulted from hashing the attached file to be used for file reception validation
Hash code algorithm id	Declaration/Consignment/AdditionalDocument/BinaryFile/HashCodeAlgorithmIDCode	Code of the hash algorithm	The value should be the short name of the algorithm used to compute the hash value of the file
CONSIGNMENTITEM	Declaration/Consignment/ConsignmentItem	Class representing the list of details on the items in the consignment	
Sequence number	Declaration/Consignment/ConsignmentItem/SequenceNumeric	Index of the consignment item in the list	The value should be the 1-based index of the consignment in the list, allowing for quick physical identification upon inspection
ADDITIONALINFORMATION	Declaration/Consignment/ConsignmentItem/AdditionalInformation	Class representing the list of potential additional information at the consignment item level	
Remarks	Declaration/Consignment/ConsignmentItem/AdditionalInformation/Content	Remarks on the consignment item	The value should be a text allowing for additional remarks on the consignment item
GOODS	Declaration/Consignment/ConsignmentItem/Commodity	Class representing the details on the goods	
Description	Declaration/Consignment/ConsignmentItem/Commodity/CargoDescription	Description of the goods	The value should be a text describing the goods
CLASSIFICATION	Declaration/Consignment/ConsignmentItem/Commodity/Classification	Class representing the list of classification details of the goods	
Code	Declaration/Consignment/ConsignmentItem/Commodity/Classification/ID	Identifier of the classification of the goods	The value should be the identifier of the non-commercial classification of the goods
Type, coded	Declaration/Consignment/ConsignmentItem/Commodity/Classification/IdentificationTypeCode	Code of the classification	The value should be the code of the classification from the list Item type identification code (UN/EDIFACT 7143)
CONSIGNEE	Declaration/Consignment/ConsignmentItem/Consignee	Class representing the potential consignee of the goods	
Name	Declaration/Consignment/ConsignmentItem/Consignee/Name	Name of the consignee	The value should be the official company name, or the first and last name of the person in case of physical person, to allow for quick identification
Identifier	Declaration/Consignment/ConsignmentItem/Consignee/ID	Unique identifier of the consignee	The value should be the unique identifier of the consignee

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Description</i>	<i>Usage</i>
⊣ ADDRESS	Declaration/Consignment/ConsignmentItem/Consignee/Address	Class representing the physical address of the consignee	
⊣ City name	Declaration/Consignment/ConsignmentItem/Consignee/Address/CityName	City name of the physical address of the consignee	The value should be the city name of the physical address of the consignee
⊣ Country, coded	Declaration/Consignment/ConsignmentItem/Consignee/Address/CountryCode	Code of the country of the physical address of the consignee	The value should be the code of the country of the physical address of the consignee from the list Country name code (ISO 3166-1-alpha-2)
⊣ Street and number/P.O. Box	Declaration/Consignment/ConsignmentItem/Consignee/Address/Line	Street name of the physical address of the consignee	The value should be the street name and number (or equivalent) of the physical address of the consignee
⊣ Postcode identification	Declaration/Consignment/ConsignmentItem/Consignee/Address/PostcodeID	Postal/Zip code of the physical address of the consignee	The value should be the postal/ZIP code of the physical address of the consignee
⊣ CONSIGNOR	Declaration/Consignment/ConsignmentItem/Consignor	Class representing the potential consignor of the goods	
⊣ Name	Declaration/Consignment/ConsignmentItem/Consignor/Name	Name of the consignor	The value should be the official company name, or the first and last name of the person in case of physical person, to allow for quick identification
⊣ Identifier	Declaration/Consignment/ConsignmentItem/Consignor/ID	Unique identifier of the consignor	The value should be the unique identifier of the consignor
⊣ ADDRESS	Declaration/Consignment/ConsignmentItem/Consignor/Address	Class representing the physical address of the consignor	
⊣ City name	Declaration/Consignment/ConsignmentItem/Consignor/Address/CityName	City name of the physical address of the consignor	The value should be the city name of the physical address of the consignor
⊣ Country, coded	Declaration/Consignment/ConsignmentItem/Consignor/Address/CountryCode	Code of the country of the physical address of the consignor	The value should be the code of the country of the physical address of the consignor from the list Country name code (ISO 3166-1-alpha-2)
⊣ Street and number/P.O. Box	Declaration/Consignment/ConsignmentItem/Consignor/Address/Line	Street name of the physical address of the consignor	The value should be the street name and number (or equivalent) of the physical address of the consignor
⊣ Postcode identification	Declaration/Consignment/ConsignmentItem/Consignor/Address/PostcodeID	Postal/Zip code of the physical address of the consignor	The value should be the postal/ZIP code of the physical address of the consignor
⊣ DELIVERYDESTINATION	Declaration/Consignment/ConsignmentItem/DeliveryDestination	Class representing the potential party to which the goods should be delivered	

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Description</i>	<i>Usage</i>
Name	Declaration/Consignment/ConsignmentItem/DeliveryDestination/Name	Name of the delivery destination	The value should be the official company name, or the first and last name of the person in case of physical person, to allow for quick identification.
ADDRESS	Declaration/Consignment/ConsignmentItem/DeliveryDestination/Address	Class representing the physical address of the delivery destination	
City name	Declaration/Consignment/ConsignmentItem/DeliveryDestination/Address/CityName	City name of the physical address of the delivery destination	The value should be the city name of the physical address of the delivery destination
Country, coded	Declaration/Consignment/ConsignmentItem/DeliveryDestination/Address/CountryCode	Code of the country of the physical address of the delivery destination	The value should be the code of the country of the physical address of the delivery destination from the list Country name code (ISO 3166-1-alpha-2)
Street and number/P.O. Box	Declaration/Consignment/ConsignmentItem/DeliveryDestination/Address/Line	Street name of the physical address of the delivery destination	The value should be the street name and number (or equivalent) of the physical address of the delivery destination
Postcode identification	Declaration/Consignment/ConsignmentItem/DeliveryDestination/Address/PostcodeID	Postal/Zip code of the physical address of the delivery destination	The value should be the postal/ZIP code of the physical address of the delivery destination
GOODSMEASURE	Declaration/Consignment/ConsignmentItem/GoodsMeasure	Class representing the details on the measures of the goods	
Gross weight	Declaration/Consignment/ConsignmentItem/GoodsMeasure/GrossMassMeasure	Total gross weight of the goods	The value should be the weight (mass) of goods including packaging but excluding the transport equipment. The unit should be defined in the Measure Unit. The code attribute should match one of the values listed in the Measurement unit code (UNECE Recommendation 20)
PACKAGING	Declaration/Consignment/ConsignmentItem/Packaging	Class representing the list of details on the packaging of the goods	
Sequence number	Declaration/Consignment/ConsignmentItem/Packaging/SequenceNumeric	Index of the packaging in the list	The value should be the 1-based index of the packaging in the list, allowing for quick physical identification upon inspection
Marks and numbers	Declaration/Consignment/ConsignmentItem/Packaging/MarksNumbersID	Packaging marks and numbers	The value should be a text describing the marks and numbers on a transport unit or package.
Number of packages	Declaration/Consignment/ConsignmentItem/Packaging/QuantityQuantity	Number of packages	The value should be the number of individual items packaged in such a way that they cannot be divided without first undoing the packing
Type, coded	Declaration/Consignment/ConsignmentItem/Packaging/TypeCode	Code of the packaging type	The value should be the code of the type of packaging from the list Package type description code (UNECE Recommendation 21 Annex VI)

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
┐ TRANSPORTEQUIPMENT	Declaration/Consignment/ConsignmentItem/TransportEquipment	Class representing the transport equipment used for the consignment item	
┐┐ Identifier	Declaration/Consignment/ConsignmentItem/TransportEquipment/ID	Identifier of the transport equipment	The value should be marks (letters and/or numbers) which identify the transport equipment
┐ UCR	Declaration/Consignment/ConsignmentItem/UCR	Class representing the Unique Trader Reference	
┐ Identifier	Declaration/Consignment/ConsignmentItem/UCR/ID	Unique identifier of the goods	The value should be the unique identifier assigned to goods being subject to cross border transactions
┐ LOADINGLOCATION	Declaration/Consignment/LoadingLocation	Class representing the place of loading of the goods	
┐┐ Name	Declaration/Consignment/LoadingLocation/Name	Name of the loading location	The value should be the name of a seaport, airport, freight terminal, rail station or other place at which goods are loaded onto the means of transport being used for their carriage
┐ NOTIFYPARTY	Declaration/Consignment/NotifyParty	Class representing a potential party to be notified	
┐┐ Name	Declaration/Consignment/NotifyParty/Name	Name of the party to be notified	The value should be the name (first and last name or company) of the party to be notified
┐┐ Identifier	Declaration/Consignment/NotifyParty/ID	Unique identifier of the party to be notified	The value should be the unique identifier of the party to be notified
┐┐ ADDRESS	Declaration/Consignment/NotifyParty/Address	Class representing the physical address of the party to be notified	
┐┐┐ City name	Declaration/Consignment/NotifyParty/Address/CityName	City name of the physical address of the party to be notified	The value should be the city name of the physical address of the party to be notified
┐┐┐ Country, coded	Declaration/Consignment/NotifyParty/Address/CountryCode	Code of the country of the physical address of the party to be notified	The value should be the code of the country of the physical address of the party to be notified from the list Country name code (ISO 3166-1-alpha-2)
┐┐┐ Street and number/P.O. Box	Declaration/Consignment/NotifyParty/Address/Line	Street name of the physical address of the party to be notified	The value should be the street name and number (or equivalent) of the physical address of the party to be notified
┐┐┐ Postcode identification	Declaration/Consignment/NotifyParty/Address/PostcodeID	Postal/Zip code of the physical address of the party to be notified	The value should be the postal/ZIP code of the physical address of the party to be notified
┐ CUSTOMSOFFICEOFDEPARTURE	Declaration/Consignment/TransitDeparture	Class representing the customs office where the goods are loaded	
┐┐ Identifier	Declaration/Consignment/TransitDeparture/ID	Unique identifier of the customs office of departure	The value should be the unique identifier used of the customs of departure, where the goods are loaded. This

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
⊥ CUSTOMSOFFICEOFDESTINATION	Declaration/Consignment/TransitDestination	Class representing the customs office where the goods are unloaded	identifier is the one registered in the International TIR Data Bank (ITDB) for the customs office
⊥ Identifier	Declaration/Consignment/TransitDestination/ID	Unique identifier of the customs office of destination	The value should be the unique identifier used of the customs of destination, where the goods are unloaded. This identifier is the one registered in the International TIR Data Bank (ITDB) for the customs office
⊥ TRANSPORTMEANS	Declaration/Consignment/TransitTransportMeans	Class representing the list of the means of transport for the consignment	
⊥ Identifier	Declaration/Consignment/TransitTransportMeans/ID	Unique identifier of the transport means	The value should be the unique identifier of the means of transport used for the transit
⊥ Type, coded	Declaration/Consignment/TransitTransportMeans/TypeCode	Code of the means of transport	The value should be the code of the means of transport from the list Transport means description code (UNECE Recommendation 28)
⊥ Nationality, coded	Declaration/Consignment/TransitTransportMeans/RegistrationNationalityCode	Nationality of the means of transport	The value should be the code of the country for the nationality of the means of transport from the list Country name code (ISO 3166-1-alpha-2)
⊥ Conveyance reference number	Declaration/Consignment/TransitTransportMeans/JourneyID	Unique identifier of the journey	The value should be the unique identifier of the journey of a means of transport (for example voyage number, flight number or trip number)
⊥ Sequence number	Declaration/Consignment/TransitTransportMeans/SequenceNumeric	Index of the transport means in the list	The value should be the 1-based index of the transport means in the list
⊥ COUNTRYOFROUTING	Declaration/Consignment/TransitTransportMeans/Itinerary	Class representing the list of countries of the itinerary of the consignment	
⊥ Sequence number	Declaration/Consignment/TransitTransportMeans/Itinerary/SequenceNumeric	Index of the country in the list	The value should be the 1-based index of the country in the list representing the itinerary of the consignment
⊥ Country, coded	Declaration/Consignment/TransitTransportMeans/Itinerary/RoutingCountryCode	Code of the country	The value should be the code of the country from the list Country name code (ISO 3166-1-alpha-2)
⊥ TRANSPORTEQUIPMENT	Declaration/Consignment/TransportEquipment	Class representing the list of the transport equipment used for the consignment	
⊥ Sequence number	Declaration/Consignment/TransportEquipment/SequenceNumeric	Index of the transport equipment in the list	The value should be the 1-based index of the transport equipment in the list

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Description</i>	<i>Usage</i>
Size and type, coded	Declaration/Consignment/TransportEquipment/CharacteristicCode	Code of the transport equipment	The value should be the code of the transport equipment (specifying its characteristics) from the list Equipment size and type description code (UN/EDIFACT 8155)
Identifier	Declaration/Consignment/TransportEquipment/ID	Identifier of the transport equipment	The value should be marks (letters and/or numbers) which identify the transport equipment
CERTIFICATEOFAPPROVAL	Declaration/Consignment/TransportEquipment/AdditionalDocument	Class representing the details of the certificate of approval of the transport equipment	
Number	Declaration/Consignment/TransportEquipment/AdditionalDocument/ID	Unique identifier of the certificate of approval	The value should be the unique identifier of the certificate of approval
Issuing date time	Declaration/Consignment/TransportEquipment/AdditionalDocument/IssueDateTime	Issuing date of the document	The value should be a date to be provided following the EDIFACT 102 format CCYYMMDD. For Example: 20200820 represents 20 August 2020.
Type, coded	Declaration/Consignment/TransportEquipment/AdditionalDocument/TypeCode	Code of the type of file	The value should be the code of the type of the document from the list Document name code (UN/EDIFACT 1001)
BINARYFILE	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile	Class representing the content of the document	
Identifier	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/ID	Unique identifier of the file representing the document	The value should be an ID identifying the file and it should be unique among all other binary files of the declaration
Title	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/Title	Title of the document	The value should be the title of the document
Author name	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/AuthorName	Name of the author of the document	The value should be the first and last name of the author of the document
Version	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/VersionID	Version number of the document	The value should be the version of the document
File name	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/FileNametext	File name of the document	The value should be the name of the file representing the document, including the extension
URI	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/URIID	URI of the document	The value should be the Unique Resource Identifier (URI) allowing to access the document instead of relying on a binary object representation
MIME	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/MIMECode	Code of the MIME type of the file	The value should be one of the MIME types as listed by the IANA organization

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
⊢ Encoding	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/EncodingCode	Code of the encoding algorithm of the file	The value should be the type of encoding algorithm used to encode the file
⊢ Character set	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/CharacterSetCode	Code of the character set of the file	The value should be the character set used in case the file is a text file
⊢ Include binary object	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/IncludedBinaryObjectBinaryObject	Binary representation of the file	The value should be the content of the file represented using the characteristics mentioned in the other attributes (EncodingCode and CharacterSetCode)
⊢ Access	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/Access	Access information of the file	The value should be the information needed to access the file, such as security and download parameters. This is only useful when the file is accessible using the URIID parameter
⊢ Description	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/Description	Description of the document	The value should be the description of the document and explain what it contains
⊢ Size	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/SizeMeasure	Size of the file	The value should be the size of the file The unit should be defined in the Measure Unit. Code attribute and should match one of the values listed in the Measurement unit code (UNECE Recommendation 20)
⊢ Hash code	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/HashCode	Hash value of the file	The value should be the hash code string that resulted from hashing the attached file to be used for file reception validation
⊣ Hash code algorithm id	Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/HashCodeAlgorithmIDCode	Code of the hash algorithm	The value should be the short name of the algorithm used to compute the hash value of the file
⊣ SEAL	Declaration/Consignment/TransportEquipment/Seal	Class representing the list of seals affixed to the transport equipment	/\ In the context of the eTIR specifications v4.3, this element shall not be provided /\
⊢ Sequence number	Declaration/Consignment/TransportEquipment/Seal/SequenceNumeric	Index of the seal in the list	/\ In the context of the eTIR specifications v4.3, this element shall not be provided /\
⊢ Seal number	Declaration/Consignment/TransportEquipment/Seal/ID	Unique identifier of the seal	/\ In the context of the eTIR specifications v4.3, this element shall not be provided /\
⊣ Seal type, coded	Declaration/Consignment/TransportEquipment/Seal/TypeCode	Code of the type of seal	/\ In the context of the eTIR specifications v4.3, this element shall not be provided /\
⊣ GUARANTEE	Declaration/DeclarationGuarantee	Class representing the guarantee of this TIR transport	

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Description</i>	<i>Usage</i>
L Reference	Declaration/DeclarationGuarantee/ReferenceID	Unique identifier of the guarantee	The value should be the unique identifier of the guarantee for this TIR transport
└─ HOLDER	Declaration/Principal	Class representing the holder (transporter) of this transport	
└─ Name	Declaration/Principal/Name	Name of the holder	The value should be the official company name, or the first and last name of the person in case of physical person as recorded in the International TIR Data Bank (ITDB), to allow for quick identification
└─ Identifier	Declaration/Principal/ID	Unique identifier of the holder	The value should be the unique identifier of the holder as recorded in the International TIR Data Bank (ITDB)
└─ ADDRESS	Declaration/Principal/Address	Class representing the physical address of the holder	
└─ City name	Declaration/Principal/Address/CityName	City name of the physical address of the holder	The value should be the city name of the physical address of the holder
└─ Country, coded	Declaration/Principal/Address/CountryCode	Code of the country of the physical address of the holder	The value should be the code of the country of the physical address of the holder from the list Country name code (ISO 3166-1-alpha-2)
└─ Street and number/P.O. Box	Declaration/Principal/Address/Line	Street name of the physical address of the holder	The value should be the street name and number (or equivalent) of the physical address of the holder
└─ Postcode identification	Declaration/Principal/Address/PostcodeID	Postal/Zip code of the physical address of the holder	The value should be the postal/ZIP code of the physical address of the holder

(b) How the national customs system should prepare and send declaration data**(i) Case of the original declaration**

8. When starting a TIR transport from the initial customs office of departure, the holder presents the road vehicle, the combination of vehicles or the container to the customs officer along with the reference to the advance TIR data previously submitted. This reference was received in the “E10 – Advance TIR data” results message or in the acknowledgement of the other way of submitting advance TIR data, authorized by the customs administration of the country of departure.

9. With this reference, the customs officer finds in the national customs system the associated advance TIR data and checks the goods according to it. After this verification, the customs officer prepares the declaration that the national customs system will send to the eTIR international system, using the “I7 – Record declaration data” message (in “original” mode). Depending on the results of the verification, the declaration data might be exactly the same as the advance TIR data or the customs officer may wish to carry out changes to it and/or add additional information.

10. In all cases, the declaration data should contain all attached documents that were initially sent along with the advance TIR data. These additional documents might be required by countries along the itinerary in order to meet their national requirements.

(ii) Case of the original declaration

11. In order to amend the declaration, the holder has previously sent advance amendment data with the “E11 – Advance amendment data” message to the relevant customs office. During the TIR transport, the holder presents the road vehicle, the combination of vehicles or the container to that customs office, along with the reference to the advance amendment data previously submitted. This reference was received in the “E12 – Advance amendment data results” message or in the acknowledgement of the other way of submitting advance amendment data, authorized by the customs administration of the country of the customs office in question.

12. With this reference, the customs officer finds in the national customs system the associated advance amendment data and checks the amendment according to it. The amendment can be about loading additional goods, modifying the itinerary, changing the tractor unit, etc. After this verification, the customs officer prepares the amendment to the declaration that the national customs system will send to the eTIR international system, using the “I7 – Record declaration data” message (in “amendment” mode). Depending on the results of the verification, this amendment to the declaration might be exactly the same as the advance amendment data or the customs officer may wish to carry out changes to it and/or add additional information.

13. In all cases, the amendment to the declaration should contain all attached documents that were initially sent, along with the advance amendment data. Indeed, these additional documents might be required by countries along the itinerary in order to meet their national requirements.

(iii) How to generate an “I7 – Record declaration data” message in “amendment” mode

14. In this type of “I7 – Record declaration data” message, the amendment list represents the requests for amendments that the holder has sent, using an “E11 – Advance amendment data” message (or using any other authorized ways) and that the customs officer accepts. When treating all received advance amendment data at a customs office where the holder is present, it is possible for the customs authorities to group all received “E11 – Advance amendment data” messages and accept them by sending a unique “I7 – Record declaration data” message to the eTIR international system, or to send as many “I7 – Record declaration data” messages as there are “E11 – Advance amendment data” messages. It is recommended to proceed using the latter solution, as aggregating amendments into a the same list might cause issues when interpreting them in the same message.

15. In “I7 – Record declaration data” messages, just as in “E11 – Advance amendment data” messages, amendments are aggregated by type of amendment (addition, update, deletion). For each of these types, the national customs system needs to specify a list of pointers, referring to each of the elements to be amended in the original declaration. For example: if the customs officer wishes to modify the “Agent” class and the “Heavy or bulky goods indicator” attribute, it can be done through a single “I7 – Record declaration data” message. This message can have one amendment element of type “change” containing 2 pointers “/Declaration/Agent” and “/Declaration/Consignment”.

16. The following points describe guidelines regarding addition amendments (code 1 from the code list “Amendment type”):

- The addition amendment can only be used on non-existing XML elements or empty XML attributes (else, if the element/attribute already exists, a change amendment is needed to update it);
- When using the addition amendment, the new elements defined in the pointer list must be provided in the message content;
- When adding an element to a list, the sequence number (if present) must be properly set (and must be equal to the last sequence number of the current list plus one). Furthermore, it is important to note that the pointer should be set to the list and not to the new item in this list (e.g.: the value should be “/Declaration/Consignment” when adding a consignment).

17. The following points describe guidelines regarding change amendments (code 2 from the code list “Amendment type”):

- The change amendment can only be used on existing and non-empty XML elements/attributes (else, if the element/attribute doesn’t exist, an addition amendment is needed to add it);
- When using the change amendment, the elements defined in the pointer list must be provided in the message content. If a non-empty element/attribute needs to be replaced by an empty one, please use a deletion amendment;
- When setting the pointer to a class (non-final element), all child elements will be overwritten. This means that missing elements will be deleted and that new elements will be added;
- When modifying multiple elements of the same class, it is recommended setting the pointer to the class, and resending all of its data instead of sending multiple amendments;
- If a list needs to be reordered, the change amendment type must be used, the list element is set to the pointer and the entire list needs to be resent;
- When changing an element in a list, the pointer is set to the specific element of the list (note that the list indexing is 1-based in XPath). E.g.: to change the second consignment information, the pointer is set to /Declaration/Consignment[2].

18. The following points describe guidelines regarding deletion amendments (code 3 from the code list “Amendment type”):

- It is not possible to delete a required element;
- When deleting an element in a list, the pointer should be set to the specific element of the list. If the pointer is set to the list, then all the elements of the list will be deleted.

19. Amendments shall not invalidate conditions. In order to allow for easier message validation by the recipient, we recommend the senders of the “I7 – Record declaration data” message to use change amendments on parent elements rather than using combined deletion/addition amendments.

(c) 18 – Record declaration data results

Table 3

18 – field details

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
Message function, coded	Function	R	1..1	n..2	CL16		
Original Message Identifier	FunctionalReferenceID	R	1..1	an..70			
Message identifier	ID	R	1..1	an..70			
Type, coded	TypeCode	R	1..1	an..3	CL26		
┐ DECLARATIONDATA	Declaration	R	1..1				
┐┐ NATIONALREFERENCE	Declaration/NationalReference	O	0..*				
┐┐┐ Reference	Declaration/NationalReference/ID	R	1..1	an..35			
┐┐┐┐ Country, coded	Declaration/NationalReference/IssuingCountryCode	R	1..1	a2	CL04		
┐┐ ERROR	Error	D	0..*			C006	
┐┐┐ Error, coded	Error/ValidationCode	R	1..1	an..8	CL99		
┐┐┐┐ POINTER	Error/Pointer	R	1..*				
┐┐┐┐┐ Sequence number	Error/Pointer/SequenceNumeric	R	1..1	n..5			
┐┐┐┐┐┐ Location	Error/Pointer/Location	R	1..1	an..512			

Table 4

18 – field descriptions and usages

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Description</i>	<i>Usage</i>
Message function, coded	Function	Code describing the function of the message	The value should be "44" if the request was processed correctly. If at least one error is described in this message, the value should be "27"
Original Message Identifier	FunctionalReferenceID	Unique identifier of the request message associated with this response	The value should be the one mentioned in the message identifier field of the request message (I7)

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Description</i>	<i>Usage</i>
Message identifier	ID	Unique identifier of the message	The value should be a Globally Unique Identifier (GUID) as detailed in the dedicated section of the introduction document
Type, coded	TypeCode	Code of the message type	The value should be set to "I8"
└ DECLARATIONDATA	Declaration	Class representing the declaration data as accepted by customs	
└└ NATIONALREFERENCE	Declaration/NationalReference	Class representing the list of national references under which the declaration data has been saved in the countries along the itinerary of the transport	
└ Reference	Declaration/NationalReference/ID	Identifier of the national reference of the declaration	The value should be the identifier of the national reference under which the declaration has been saved in the country which has received the "I15 - Notify customs" notification message
└ Country, coded	Declaration/NationalReference/IssuingCountryCode	Code of the country along the itinerary	The value should be the code of the country which has received the notification "I7" from the list Country name code (ISO 3166-1-alpha-2)
└ ERROR	Error	Class representing the list of errors, if any	
└ Error, coded	Error/ValidationCode	Code of the error type	The value should be the code of the error from the list Error code (eTIR)
└└ POINTER	Error/Pointer	Class representing the pointer to the erroneous field, if any	
└ Sequence number	Error/Pointer/SequenceNumeric	Index of the error in the list	The value should be the 1-based index of the error in the list
└ Location	Error/Pointer/Location	Location of the erroneous field	The value should be the location of the erroneous field following the XPath syntax. Additional details regarding the location of the fields per error code are available on the page dedicated to errors

(d) How to use response data in the national customs system

20. The eTIR international system will return whether there were errors while processing the request message by filling in the Error list. Therefore, and as for all response messages expected from the eTIR international system, the first step when parsing the “I8 – Record declaration data results” response message should always be to look for potential error elements in the response message and address them accordingly, as mentioned in the Error management section above.

21. If there was no error, and the response message content is as expected, the next step for the national customs systems is to record all national references sent back by the countries along the itinerary of the transport. These national references will then be included into the accompanying document that will be generated by the national customs systems and handed over to the truck driver. This accompanying document can then be used in case of accident/incident "en route" or for the fallback procedures.

22. After having performed this action, the next step for the customs officer is to enter the details about the seal(s) affixed to the road vehicle, the combination of vehicles or the container in the national customs systems so that it can send the notification of the start of the TIR operation to the eTIR international system using the “I9 – Start TIR operation” message.
