Economic and Social Council

Economic Commission for Europe

Inland Transport Committee

Working Party on Customs Questions affecting Transport

**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 I5/I6

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. 84[1]) 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

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[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 I5 and I6. 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. I5/I6 message pair

4. This section describes the technical specifications of the "I5 – Query guarantee" request message, sent by the national customs system to query information on a guarantee from the eTIR international system; and the "I6 – Query results" response message, sent back by the eTIR international system. This pair of messages form the query mechanism available for the customs authorities to retrieve information recorded in the eTIR international system about guarantees, their related TIR transports and TIR operations.

5. The national customs system can choose to retrieve more or less information in the "I6 – Query results" message depending on the parameters of the "I5 – Query guarantee" message. Customs authorities can only retrieve information about guarantees that are used in TIR transports starting, ending or passing through their customs territories. As the guarantee can have different statuses, it is important to understand them as they are detailed in the guarantee state chart diagram in the eTIR concepts. The level of details of the "I6 – Query results" response message depends on the value of the "Reply type, coded" field.

(a) I5 – Query guarantee

Table 1
I5 – field details

eTIR field name	Mapping to the XML element (XPATH)	Status	Cardinality	Format	Code lists	Conditions	Rules
├ 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		
├ Reply type, coded	ReplyTypeCode	R	1..1	an..3	CL09		
└┬ GUARANTEE	ObligationGuarantee	R	1..1				
└ Reference	ObligationGuarantee/ReferenceID	R	1..1	an..35			

Table 2
I5 – field descriptions and usages

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
├ Message function, coded	Function	Code describing the function of the message	The value should be set to "9" (Original)
├ 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 "I5"
├ Reply type, coded	ReplyTypeCode	Code used to specify the expected contents of the reply	The value should be the code of the type of reply from the code list Reply type (eTIR)
└┬ GUARANTEE	ObligationGuarantee	Class representing the guarantee of this TIR transport	
└ Reference	ObligationGuarantee/ReferenceID	Unique identifier of the guarantee	The value should be the unique identifier of the guarantee for this TIR transport

(b) **I6 – Query results**

Table 3
I6 – field details

eTIR field name	Mapping to the XML element (XPATH)	Status	Cardinality	Format	Code lists	Conditions	Rules
├ 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		
├┬ 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			
└┬ GUARANTEE	ObligationGuarantee	R	1..1				
├ Acceptance date time	ObligationGuarantee/AcceptanceDateTime	O	0..1	an..35			
├ Cancellation date time	ObligationGuarantee/CancellationDateTime	O	0..1	an..35			
├ Validity date	ObligationGuarantee/ExpirationDateTime	R	1..1	an..35			
├ Issuing date time	ObligationGuarantee/IssueDateTime	R	1..1	an..35			
├ Status, coded	ObligationGuarantee/StatusCode	R	1..1	an..3	CL22		
├ Reference	ObligationGuarantee/ReferenceID	R	1..1	an..35			
├ Guarantee type, coded	ObligationGuarantee/SecurityDetailsCode	R	1..1	an..3	CL12		
├┬ DECLARATIONDATA	ObligationGuarantee/Declaration	O	0..*				
│ ├ Issuing date time	ObligationGuarantee/Declaration/IssueDateTime	R	1..1	an..35			
│ ├ Total gross weight	ObligationGuarantee/Declaration/TotalGrossMassMeasure	R	1..1	n..16,6			

eTIR field name	Mapping to the XML element (XPATH)	Status	Cardinality	Format	Code lists	Conditions	Rules
| ┬ ADDITIONALINFORMATION	ObligationGuarantee/Declaration/AdditionalInformation	O	0..1				
| | └ Remarks	ObligationGuarantee/Declaration/AdditionalInformation/Content	O	0..1	an..512			
| ┬ AGENT	ObligationGuarantee/Declaration/Agent	O	0..1				
| | ├ Name	ObligationGuarantee/Declaration/Agent/Name	D	0..1	an..70		C001	
| | ├ Identifier	ObligationGuarantee/Declaration/Agent/ID	D	0..1	an..35		C001	
| | └ Role, coded	ObligationGuarantee/Declaration/Agent/RoleCode	R	1..1	an..3	CL02		
| ┬ AMENDMENT	ObligationGuarantee/Declaration/Amendment	O	0..*				
| | ├ Type, coded	ObligationGuarantee/Declaration/Amendment/ChangeReasonCode	R	1..1	an..3	CL17		
| | └┬ POINTER	ObligationGuarantee/Declaration/Amendment/Pointer	R	1..1				
| | ├ Sequence number	ObligationGuarantee/Declaration/Amendment/Pointer/SequenceNumeric	R	1..1	n..5			
| | └ Location	ObligationGuarantee/Declaration/Amendment/Pointer/Location	R	1..1	an..512			
| ┬ SUBCONTRACTOR	ObligationGuarantee/Declaration/Carrier	O	0..*				
| | ├ Name	ObligationGuarantee/Declaration/Carrier/Name	D	0..1	an..70		C001	
| | ├ Identifier	ObligationGuarantee/Declaration/Carrier/ID	D	0..1	an..35		C001	
| | └┬ ADDRESS	ObligationGuarantee/Declaration/Carrier/Address	D	0..1			C001	
| | ├ City name	ObligationGuarantee/Declaration/Carrier/Address/CityName	R	1..1	an..35			
| | ├ Country, coded	ObligationGuarantee/Declaration/Carrier/Address/CountryCode	R	1..1	a2	CL04		
| | ├ Street and number/P.O. Box	ObligationGuarantee/Declaration/Carrier/Address/Line	R	1..1	an..256			
| | └ Postcode identification	ObligationGuarantee/Declaration/Carrier/Address/PostcodeID	O	0..1	an..17			
| ┬ CONSIGNMENT	ObligationGuarantee/Declaration/Consignment	O	0..*				
| | ├ Sequence number	ObligationGuarantee/Declaration/Consignment/SequenceNumeric	R	1..1	n..5			
| | ├ Heavy or bulky goods indicator	ObligationGuarantee/Declaration/Consignment/HeavyOrBulkyGoodsIndicator	R	1..1				

eTIR field name	Mapping to the XML element (XPATH)	Status	Cardinality	Format	Code lists	Conditions	Rules
| | ┬ ATTACHEDDOCUMENTS	ObligationGuarantee/Declaration/Consignment/AdditionalDocument	O	0..*				
| | | ├ Number	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/ID	R	1..1	an..70			
| | | ├ Issuing date time	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/IssueDateTime	R	1..1	an..35			
| | | ├ Type, coded	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/TypeCode	R	1..1	an..3	CL06		
| | | └ BINARYFILE	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/BinaryFile	O	0..1				
| | | ├ Identifier	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/BinaryFile/ID	R	1..1	an..256			
| | | ├ Title	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/BinaryFile/Title	R	1..1	an..256			
| | | ├ Author name	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/BinaryFile/AuthorName	O	0..1	an..70			
| | | ├ Version	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/BinaryFile/VersionID	O	0..1	an..17			
| | | ├ File name	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/BinaryFile/FileNametext	O	0..1	an..256			
| | | ├ URI	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/BinaryFile/URIID	O	0..1	an..2048			
| | | ├ MIME	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/BinaryFile/MIMECode	O	0..1	an..70			
| | | ├ Encoding	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/BinaryFile/EncodingCode	O	0..1	an..17			
| | | ├ Character set	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/BinaryFile/CharacterSetCode	O	0..1	n..17			
| | | ├ Include binary object	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/BinaryFile/IncludedBinaryObjectBinaryObject	O	0..1	N/A			

eTIR field name	Mapping to the XML element (XPATH)	Status	Cardinality	Format	Code lists	Conditions	Rules
| | | ├ Access	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/Binary File/Access	O	0..1	an..256			
| | | ├ Description	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/Binary File/Description	O	0..1	an..256			
| | | ├ Size	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/Binary File/SizeMeasure	O	0..1	n..16,6			
| | | ├ Hash code	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/Binary File/HashCode	O	0..1	an..256			
| | | └ Hash code algorithm id	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/Binary File/HashCodeAlgorithmIDCode	O	0..1	an..6			
| | ├┬ CONSIGNMENTITEM	ObligationGuarantee/Declaration/Consignment/ConsignmentItem	R	1..*				
| | | ├ Sequence number	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Sequence Numeric	R	1..1	n..5			
| | | ├┬ ADDITIONALINFORMATION	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Additiona lInformation	O	0..*				
| | | | └ Remarks	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Additiona lInformation/Content	R	1..1	an..512			
| | | ├┬ GOODS	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Commodi ty	R	1..1				
| | | | ├ Description	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Commodi ty/CargoDescription	D	0..1	an..256		C004	
| | | | └┬ CLASSIFICATION	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Commodi ty/Classification	O	0..*				R008
| | | | ├ Code	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Commodi ty/Classification/ID	R	1..1	an..18			
| | | | └ Type, coded	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Commodi ty/Classification/IdentificationTypeCode	R	1..1	an..3	CL03		

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

eTIR field name	Mapping to the XML element (XPATH)	Status	Cardinality	Format	Code lists	Conditions	Rules
| | | | ├ Street and number/P.O. Box	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Consignor /Address/Line	R	1..1	an..256			
| | | | └ Postcode identification	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Consignor /Address/PostcodeID	O	0..1	an..17			
| | | ├┬ DELIVERYDESTINATION	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Delivery Destination	O	0..1				
| | | | ├ Name	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Delivery Destination/Name	R	1..1	an..70			
| | | | └┬ ADDRESS	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Delivery Destination/Address	R	1..1				
| | | | ├ City name	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Delivery Destination/Address/CityName	R	1..1	an..35			
| | | | ├ Country, coded	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Delivery Destination/Address/CountryCode	R	1..1	a2	CL04		
| | | | ├ Street and number/P.O. Box	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Delivery Destination/Address/Line	R	1..1	an..256			
| | | | └ Postcode identification	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Delivery Destination/Address/PostcodeID	O	0..1	an..17			
| | | ├┬ GOODSMEASURE	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/GoodsMe asure	R	1..1				
| | | | └ Gross weight	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/GoodsMe asure/GrossMassMeasure	R	1..1	n..16,6			
| | | ├┬ PACKAGING	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Packaging	R	1..*				
| | | | ├ Sequence number	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Packaging /SequenceNumeric	R	1..1	n..5			
| | | | ├ Marks and numbers	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Packaging /MarksNumbersID	D	0..1	an..512		C002	

eTIR field name	Mapping to the XML element (XPATH)	Status	Cardinality	Format	Code lists	Conditions	Rules
| | | | ├ Number of packages	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Packaging /QuantityQuantity	D	0..1	n..8		C002	
| | | | └ Type, coded	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Packaging /TypeCode	R	1..1	an..2	CL07		
| | | ├ TRANSPORTEQUIPMENT	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Transport Equipment	D	0..1			C003	
| | | | └ Identification	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Transport Equipment/ID	R	1..1	an..17			
| | | └ UCR	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/UCR	O	0..1				
| | | └ Identifier	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/UCR/ID	R	1..1	an..35			
| | ├ LOADINGLOCATION	ObligationGuarantee/Declaration/Consignment/LoadingLocation	O	0..1				
| | └ Name	ObligationGuarantee/Declaration/Consignment/LoadingLocation/Name	R	1..1	an..256			
| | ├ NOTIFYPARTY	ObligationGuarantee/Declaration/Consignment/NotifyParty	O	0..1				
| | | ├ Name	ObligationGuarantee/Declaration/Consignment/NotifyParty/Name	D	0..1	an..70		C001	
| | | ├ Identifier	ObligationGuarantee/Declaration/Consignment/NotifyParty/ID	D	0..1	an..35		C001	
| | | └ ADDRESS	ObligationGuarantee/Declaration/Consignment/NotifyParty/Address	D	0..1			C001	
| | | ├ City name	ObligationGuarantee/Declaration/Consignment/NotifyParty/Address/CityNa me	R	1..1	an..35			
| | | ├ Country, coded	ObligationGuarantee/Declaration/Consignment/NotifyParty/Address/Countr yCode	R	1..1	a2	CL04		
| | | ├ Street and number/P.O. Box	ObligationGuarantee/Declaration/Consignment/NotifyParty/Address/Line	R	1..1	an..256			
| | | └ Postcode identification	ObligationGuarantee/Declaration/Consignment/NotifyParty/Address/Postco deID	O	0..1	an..17			
| | ├ CUSTOMSOFFICEOFDEPARTURE	ObligationGuarantee/Declaration/Consignment/TransitDeparture	R	1..1				
| | | └ Identifier	ObligationGuarantee/Declaration/Consignment/TransitDeparture/ID	R	1..1	an..35			

eTIR field name	Mapping to the XML element (XPATH)	Status	Cardinality	Format	Code lists	Conditions	Rules
‖ ├┬ CUSTOMSOFFICEOFDESTINATION	ObligationGuarantee/Declaration/Consignment/TransitDestination	R	1..1				
‖ ‖ └ Identifier	ObligationGuarantee/Declaration/Consignment/TransitDestination/ID	R	1..1	an..35			
‖ ├┬ TRANSPORTMEANS	ObligationGuarantee/Declaration/Consignment/TransitTransportMeans	R	1..*				R002
‖ ‖ ├ Identification	ObligationGuarantee/Declaration/Consignment/TransitTransportMeans/ID	R	1..1	an..25			
‖ ‖ ├ Type, coded	ObligationGuarantee/Declaration/Consignment/TransitTransportMeans/TypeCode	R	1..1	an..4	CL05		
‖ ‖ ├ Nationality, coded	ObligationGuarantee/Declaration/Consignment/TransitTransportMeans/RegistrationNationalityCode	R	1..1	a2	CL04		
‖ ‖ ├ Conveyance reference number	ObligationGuarantee/Declaration/Consignment/TransitTransportMeans/JourneyID	O	0..1	an..17			
‖ ‖ ├ Sequence number	ObligationGuarantee/Declaration/Consignment/TransitTransportMeans/SequenceNumeric	R	1..1	n..5			
‖ ‖ └┬ COUNTRYOFROUTING	ObligationGuarantee/Declaration/Consignment/TransitTransportMeans/Itinerary	R	1..*				R001
‖ ‖ ├ Sequence number	ObligationGuarantee/Declaration/Consignment/TransitTransportMeans/Itinerary/SequenceNumeric	R	1..1	n..5			
‖ ‖ └ Country, coded	ObligationGuarantee/Declaration/Consignment/TransitTransportMeans/Itinerary/RoutingCountryCode	R	1..1	a2	CL04		
‖ └┬ TRANSPORTEQUIPMENT	ObligationGuarantee/Declaration/Consignment/TransportEquipment	D	0..*			C003	
‖ ├ Sequence number	ObligationGuarantee/Declaration/Consignment/TransportEquipment/SequenceNumeric	R	1..1	n..5			
‖ ├ Size and type, coded	ObligationGuarantee/Declaration/Consignment/TransportEquipment/CharacteristicCode	R	1..1	an..4	CL01		
‖ ├ Identification	ObligationGuarantee/Declaration/Consignment/TransportEquipment/ID	R	1..1	an..17			
‖ ├┬ CERTIFICATEOFAPPROVAL	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument	D	0..1			C005	

eTIR field name	Mapping to the XML element (XPATH)	Status	Cardinality	Format	Code lists	Conditions	Rules
| | |├ Number	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/ID	R	1..1	an..70			
| | |├ Issuing date time	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/IssueDateTime	R	1..1	an..35			
| | |├ Type, coded	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/TypeCode	R	1..1	an..3	CL06		
| | |└┬ BINARYFILE	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile	O	0..1				
| | | ├ Identifier	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/ID	R	1..1	an..256			
| | | ├ Title	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/Title	R	1..1	an..256			
| | | ├ Author name	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/AuthorName	O	0..1	an..70			
| | | ├ Version	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/VersionID	O	0..1	an..17			
| | | ├ File name	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/FileNametext	O	0..1	an..256			
| | | ├ URI	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/URIID	O	0..1	an..2048			
| | | ├ MIME	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/MIMECode	O	0..1	an..70			
| | | ├ Encoding	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/EncodingCode	O	0..1	an..17			
| | | ├ Character set	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/CharacterSetCode	O	0..1	n..17			
| | | ├ Include binary object	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/IncludedBinaryObjectBinaryObject	O	0..1	N/A			

eTIR field name	Mapping to the XML element (XPATH)	Status	Cardinality	Format	Code lists	Conditions	Rules
| | | ├ Access	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/Access	O	0..1	an..256			
| | | ├ Description	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/Description	O	0..1	an..256			
| | | ├ Size	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/SizeMeasure	O	0..1	n..16,6			
| | | ├ Hash code	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/HashCode	O	0..1	an..256			
| | | └ Hash code algorithm id	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/HashCodeAlgorithmIDCode	O	0..1	an..6			
| | └┬ SEAL	ObligationGuarantee/Declaration/Consignment/TransportEquipment/Seal	O	0..*				
| | ├ Sequence number	ObligationGuarantee/Declaration/Consignment/TransportEquipment/Seal/SequenceNumeric	R	1..1	n..5			R003, R004
| | ├ Seal number	ObligationGuarantee/Declaration/Consignment/TransportEquipment/Seal/ID	R	1..1	an..35			R005
| | └ Seal type, coded	ObligationGuarantee/Declaration/Consignment/TransportEquipment/Seal/TypeCode	O	0..1	an..3	CL08		
| ├┬ GUARANTEE	ObligationGuarantee/Declaration/DeclarationGuarantee	R	1..1				
| | ├ Validity date	ObligationGuarantee/Declaration/DeclarationGuarantee/ExpirationDateTime	R	1..1	an..35			
| | ├ Reference	ObligationGuarantee/Declaration/DeclarationGuarantee/ReferenceID	R	1..1	an..35			
| | └ Guarantee type, coded	ObligationGuarantee/Declaration/DeclarationGuarantee/SecurityDetailsCode	R	1..1	an..3	CL12		
| ├┬ NATIONALREFERENCE	ObligationGuarantee/Declaration/NationalReference	O	0..*				
| | ├ Reference	ObligationGuarantee/Declaration/NationalReference/ID	R	1..1	an..35			
| | └ Country, coded	ObligationGuarantee/Declaration/NationalReference/IssuingCountryCode	R	1..1	a2	CL04		
| └┬ HOLDER	ObligationGuarantee/Declaration/Principal	O	0..1				

eTIR field name	Mapping to the XML element (XPATH)	Status	Cardinality	Format	Code lists	Conditions	Rules
| ├ Name	ObligationGuarantee/Declaration/Principal/Name	O	0..1	an..70			
| ├ Identifier	ObligationGuarantee/Declaration/Principal/ID	R	1..1	an..35			
| └┬ ADDRESS	ObligationGuarantee/Declaration/Principal/Address	O	0..1				
| ├ City name	ObligationGuarantee/Declaration/Principal/Address/CityName	R	1..1	an..35			
| ├ Country, coded	ObligationGuarantee/Declaration/Principal/Address/CountryCode	R	1..1	a2	CL04		
| ├ Street and number/P.O. Box	ObligationGuarantee/Declaration/Principal/Address/Line	R	1..1	an..256			
| └ Postcode identification	ObligationGuarantee/Declaration/Principal/Address/PostcodeID	O	0..1	an..17			
├┬ GUARANTEECHAIN	ObligationGuarantee/Surety	R	1..1				
| └ Code	ObligationGuarantee/Surety/ID	R	1..1	an..35			
├┬ TIROPERATION	ObligationGuarantee/TransitOperation	O	0..*				
| ├ Sequence number	ObligationGuarantee/TransitOperation/SequenceNumeric	R	1..1	n..5			
| ├ Registration number	ObligationGuarantee/TransitOperation/RegistrationID	R	1..1	an..35			
| ├┬ START	ObligationGuarantee/TransitOperation/OperationStart	O	0..1				
| | ├ End date time	ObligationGuarantee/TransitOperation/OperationStart/InspectionEndDateTime	R	1..1	an..35			
| | ├ Time limit date time	ObligationGuarantee/TransitOperation/OperationStart/LimitDateTime	O	0..1	an..35			
| | ├┬ ADDITIONALINFORMATION	ObligationGuarantee/TransitOperation/OperationStart/AdditionalInformation	O	0..1				
| | | └ Remarks	ObligationGuarantee/TransitOperation/OperationStart/AdditionalInformation/Content	R	1..1	an..512			
| | ├┬ CONSIGNMENT	ObligationGuarantee/TransitOperation/OperationStart/Consignment	O	0..1				R007, R006
| | | └┬ TRANSPORTEQUIPMENT	ObligationGuarantee/TransitOperation/OperationStart/Consignment/TransportEquipment	R	1..*				

eTIR field name	Mapping to the XML element (XPATH)	Status	Cardinality	Format	Code lists	Conditions	Rules
| | | ├ Identifier	ObligationGuarantee/TransitOperation/OperationStart/Consignment/TransportEquipment/ID	R	1..1	an..17			
| | | └┬ SEAL	ObligationGuarantee/TransitOperation/OperationStart/Consignment/TransportEquipment/Seal	R	1..*				
| | | ├ Sequence number	ObligationGuarantee/TransitOperation/OperationStart/Consignment/TransportEquipment/Seal/SequenceNumeric	R	1..1	n..5			R003, R004
| | | ├ Seal number	ObligationGuarantee/TransitOperation/OperationStart/Consignment/TransportEquipment/Seal/ID	R	1..1	an..35			R005
| | | └ Seal type, coded	ObligationGuarantee/TransitOperation/OperationStart/Consignment/TransportEquipment/Seal/TypeCode	O	0..1	an..3	CL08		
| | ├┬ CONTROL	ObligationGuarantee/TransitOperation/OperationStart/Control	R	1..1				
| | | ├ Type, coded	ObligationGuarantee/TransitOperation/OperationStart/Control/TypeCode	R	1..1	an..3	CL25		
| | | └┬ CONTROLRESULT	ObligationGuarantee/TransitOperation/OperationStart/Control/ControlResult	R	1..1				
| | | └ Result, coded	ObligationGuarantee/TransitOperation/OperationStart/Control/ControlResult/ID	R	1..1	an..3	CL24		
| | ├┬ NATIONALITINERARY	ObligationGuarantee/TransitOperation/OperationStart/Itinerary	O	0..*				
| | | └┬ NATIONALITINERARYCUSTOMSOFFICE	ObligationGuarantee/TransitOperation/OperationStart/Itinerary/ItineraryGovernmentOffice	R	1..1				
| | | └ Identifier	ObligationGuarantee/TransitOperation/OperationStart/Itinerary/ItineraryGovernmentOffice/ID	R	1..1	an..17			
| | └┬ CUSTOMSOFFICE	ObligationGuarantee/TransitOperation/OperationStart/TransitOperationStartOffice	R	1..1				
| | └ Identifier	ObligationGuarantee/TransitOperation/OperationStart/TransitOperationStartOffice/ID	R	1..1	an..17			
| ├┬ TERMINATION	ObligationGuarantee/TransitOperation/OperationTermination	O	0..1				

eTIR field name	Mapping to the XML element (XPATH)	Status	Cardinality	Format	Code lists	Conditions	Rules
| | ├ End date time	ObligationGuarantee/TransitOperation/OperationTermination/InspectionEnd DateTime	R	1..1	an..35			
| | ├ Number of packages	ObligationGuarantee/TransitOperation/OperationTermination/PackageQuant ityQuantity	R	1..1	n..8			
| | ├ Termination type, coded	ObligationGuarantee/TransitOperation/OperationTermination/TypeCode	R	1..1	an..3	CL27		
| | ├┬ ADDITIONALINFORMATION	ObligationGuarantee/TransitOperation/OperationTermination/AdditionalInf ormation	O	0..1				
| | | └ Reservations	ObligationGuarantee/TransitOperation/OperationTermination/AdditionalInf ormation/Content	R	1..1	an..512			
| | ├┬ CONSIGNMENT	ObligationGuarantee/TransitOperation/OperationTermination/Consignment	O	0..1				R007, R006
| | | └┬ TRANSPORTEQUIPMENT	ObligationGuarantee/TransitOperation/OperationTermination/Consignment/ TransportEquipment	R	1..*				
| | | ├ Identifier	ObligationGuarantee/TransitOperation/OperationTermination/Consignment/ TransportEquipment/ID	R	1..1	an..17			
| | | └┬ SEAL	ObligationGuarantee/TransitOperation/OperationTermination/Consignment/ TransportEquipment/Seal	R	1..*				
| | | ├ Sequence number	ObligationGuarantee/TransitOperation/OperationTermination/Consignment/ TransportEquipment/Seal/SequenceNumeric	R	1..1	n..5			R003, R004
| | | ├ Seal number	ObligationGuarantee/TransitOperation/OperationTermination/Consignment/ TransportEquipment/Seal/ID	R	1..1	an..35			R005
| | | └ Seal type, coded	ObligationGuarantee/TransitOperation/OperationTermination/Consignment/ TransportEquipment/Seal/TypeCode	O	0..1	an..3	CL08		
| | ├┬ CONTROL	ObligationGuarantee/TransitOperation/OperationTermination/Control	R	1..1				
| | | ├ Type, coded	ObligationGuarantee/TransitOperation/OperationTermination/Control/Type Code	R	1..1	an..3	CL25		
| | | └┬ CONTROLRESULT	ObligationGuarantee/TransitOperation/OperationTermination/Control/Contr olResult	R	1..1				

eTIR field name	Mapping to the XML element (XPATH)	Status	Cardinality	Format	Code lists	Conditions	Rules
| | | └ Result, coded	ObligationGuarantee/TransitOperation/OperationTermination/Control/ControlResult/ID	R	1..1	an..3	CL24		
| | └┬ CUSTOMSOFFICE	ObligationGuarantee/TransitOperation/OperationTermination/TransitOperationTerminationOffice	R	1..1				
| | └ Identifier	ObligationGuarantee/TransitOperation/OperationTermination/TransitOperationTerminationOffice/ID	R	1..1	an..17			
| ├┬ DISCHARGE	ObligationGuarantee/TransitOperation/OperationDischarge	O	0..1				
| | ├ End date time	ObligationGuarantee/TransitOperation/OperationDischarge/InspectionEndDateTime	R	1..1	an..35			
| | └┬ CUSTOMSOFFICE	ObligationGuarantee/TransitOperation/OperationDischarge/TransitOperationDischargeOffice	R	1..1				
| | └ Identifier	ObligationGuarantee/TransitOperation/OperationDischarge/TransitOperationDischargeOffice/ID	R	1..1	an..17			
| └┬ REFUSALTOSTART	ObligationGuarantee/TransitOperation/RefusalToStart	O	0..1				
| ├ End date time	ObligationGuarantee/TransitOperation/RefusalToStart/InspectionEndDateTime	R	1..1	an..35			
| ├┬ ADDITIONALINFORMATION	ObligationGuarantee/TransitOperation/RefusalToStart/AdditionalInformation	R	1..1				
| | └ Reason	ObligationGuarantee/TransitOperation/RefusalToStart/AdditionalInformation/Content	R	1..1	an..512			
| ├┬ CONTROL	ObligationGuarantee/TransitOperation/RefusalToStart/Control	O	0..1				
| | ├ Type, coded	ObligationGuarantee/TransitOperation/RefusalToStart/Control/TypeCode	R	1..1	an..3	CL25		
| | └┬ CONTROLRESULT	ObligationGuarantee/TransitOperation/RefusalToStart/Control/ControlResult	R	1..1				
| | └ Result, coded	ObligationGuarantee/TransitOperation/RefusalToStart/Control/ControlResult/ID	R	1..1	an..3	CL24		

eTIR field name	Mapping to the XML element (XPATH)	Status	Cardinality	Format	Code lists	Conditions	Rules
└┬ CUSTOMSOFFICE	ObligationGuarantee/TransitOperation/RefusalToStart/TransitOperationStartOffice	R	1..1				
└ Identifier	ObligationGuarantee/TransitOperation/RefusalToStart/TransitOperationStartOffice/ID	R	1..1	an..17			
└┬ HOLDER	ObligationGuarantee/Principal	R	1..1				
├ Name	ObligationGuarantee/Principal/Name	R	1..1	an..70			
├ Identifier	ObligationGuarantee/Principal/ID	R	1..1	an..35			
├┬ ADDRESS	ObligationGuarantee/Principal/Address	R	1..1				
│├ City name	ObligationGuarantee/Principal/Address/CityName	R	1..1	an..35			
│├ Country, coded	ObligationGuarantee/Principal/Address/CountryCode	R	1..1	a2	CL04		
│├ Street and number/P.O. Box	ObligationGuarantee/Principal/Address/Line	R	1..1	an..256			
│└ Postcode identification	ObligationGuarantee/Principal/Address/PostcodeID	O	0..1	an..17			
└┬ AUTHORIZATION	ObligationGuarantee/Principal/AuthorizationCertificate	R	1..1				
├ Status, coded	ObligationGuarantee/Principal/AuthorizationCertificate/StatusCode	R	1..1	an..3	CL23		
├┬ ACTIVEWITHDRAWAL	ObligationGuarantee/Principal/AuthorizationCertificate/AuthorizationWithdrawal	O	0..1				
│├ Start date	ObligationGuarantee/Principal/AuthorizationCertificate/AuthorizationWithdrawal/EffectiveDateTime	R	1..1	an..35			
│└ End date	ObligationGuarantee/Principal/AuthorizationCertificate/AuthorizationWithdrawal/ExpirationDateTime	O	0..1	an..35			
└┬ ACTIVEEXCLUSION	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion	O	0..*				
├ Start date	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion/EffectiveDateTime	R	1..1	an..35			
├ End date	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion/ExpirationDateTime	O	0..1	an..35			

eTIR field name	Mapping to the XML element (XPATH)	Status	Cardinality	Format	Code lists	Conditions	Rules
└ Country, coded	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion/CountryCode	R	1..1	a2	CL04		

Table 4
I6 – field descriptions and usages

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
├ Message function, coded	Function	Code describing the function of the message	The value should be "11" if the request was processed correctly. If at least one error is described in this message, the value should be "10"
├ 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 (I5)
├ 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 "I6"
├┬ 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 code 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
└┬ GUARANTEE	ObligationGuarantee	Class representing the guarantee of this TIR transport	
├ Acceptance date time	ObligationGuarantee/AcceptanceDateTime	Date and time of the acceptance of the guarantee by the country of departure	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.
├ Cancellation date time	ObligationGuarantee/CancellationDateTime	Date and time of the cancellation of the guarantee	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.

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
├ Validity date	ObligationGuarantee/ExpirationDateTime	Date of the last day of validity of the guarantee	The value should be a date to be provided following the EDIFACT 102 format CCYYMMDD. For Example: 20200820 represents 20 August 2020.
├ Issuing date time	ObligationGuarantee/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 I9 - Start TIR operation message received by the customs
├ Status, coded	ObligationGuarantee/StatusCode	Current status of the guarantee	The value should be the code of the status of the guarantee from the code list Guarantee status (eTIR)
├ Reference	ObligationGuarantee/ReferenceID	Unique identifier of the guarantee	The value should be the unique identifier of the guarantee for this TIR transport
├ Guarantee type, coded	ObligationGuarantee/SecurityDetailsCode	Code of the guarantee type	This value should be from the Guarantee type code (eTIR) list, and should be retrieved from a query to the eTIR international system using the I5 - Query guarantee message
├┬ DECLARATIONDATA	ObligationGuarantee/Declaration	Class representing the declaration data as accepted by customs	
│ ├ Issuing date time	ObligationGuarantee/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	ObligationGuarantee/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. Code attribute and should match one of the values listed in the list Measurement unit code (UNECE Recommendation 20)
│ ├┬ ADDITIONALINFORMATION	ObligationGuarantee/Declaration/AdditionalInformation	Class containing potential additional information at the declaration level	
│ │ └ Remarks	ObligationGuarantee/Declaration/AdditionalInformation/Content	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 should remain blank if there are none
│ ├┬ AGENT	ObligationGuarantee/Declaration/Agent	Class representing the potential agent which would declare the goods on behalf of the holder	
│ │ ├ Name	ObligationGuarantee/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	ObligationGuarantee/Declaration/Agent/ID	Unique identifier of the agent	The value should be the unique identifier of the agent
│ │ └ Role, coded	ObligationGuarantee/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	ObligationGuarantee/Declaration/Amendment	Class representing the list of potential amendments to the declaration	

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
| | ├ Type, coded	ObligationGuarantee/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	ObligationGuarantee/Declaration/Amendment/Pointer	Class representing the pointer to the part of the declaration to be amended	
| | ├ Sequence number	ObligationGuarantee/Declaration/Amendment/Pointer/SequenceNumeric	Index of the pointer in the list	The value should be the 1-based index of the pointer in the list
| | └ Location	ObligationGuarantee/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	ObligationGuarantee/Declaration/Carrier	Class representing the potential agent which undertakes or arranges transport of goods between named points	
| | ├ Name	ObligationGuarantee/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	ObligationGuarantee/Declaration/Carrier/ID	Unique identifier of the subcontractor	The value should be the unique identifier of the subcontractor
| | └┬ ADDRESS	ObligationGuarantee/Declaration/Carrier/Address	Class representing the physical address of the subcontractor	
| | ├ City name	ObligationGuarantee/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	ObligationGuarantee/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 Country name code (ISO 3166-1-alpha-2) list
| | ├ Street and number/P.O. Box	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment	Class representing the list of details on the transport of goods between a loading point and an unloading point	
| | ├ Sequence number	ObligationGuarantee/Declaration/Consignment/SequenceNumeric	Index of the consignment in the list	The value should be the 1-based index of the consignment in the list

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
| | ├ Heavy or bulky goods indicator	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/ AdditionalDocument	Class representing the list of potential additional documents supplied as part of the declaration and related to the consignment	
| | | ├ Number	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/ AdditionalDocument/IssueDateTime	Issuing date of the document	The value should be either a date only or a date and time. If it is a date only, it should follow the EDIFACT 102 format CCYYMMDD. For Example: 20200820 represents 20 August 2020. If it is a date and time, it should follow the EDIFACT 208 format CCYYMMDDHHMMSSZHHMM. For Example: 20200820145600+0100 represents 20 August 2020 at 14:56 UTC+01:00.
| | | ├ Type, coded	ObligationGuarantee/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 Document name code (UN/EDIFACT 1001) list
| | | └┬ BINARYFILE	ObligationGuarantee/Declaration/Consignment/ AdditionalDocument/BinaryFile	Class representing the content of the document	
| | | ├ Identifier	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/ AdditionalDocument/BinaryFile/Title	Title of the document	The value should be the title of the document
| | | ├ Author name	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/ AdditionalDocument/BinaryFile/VersionID	Version number of the document	The value should be the version of the document
| | | ├ File name	ObligationGuarantee/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

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
‖ ‖ ⊢ URI	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/AdditionalDocument/BinaryFile/Description	Description of the document	The value should be the description of the document and explain what it contains
‖ ‖ ⊢ Size	ObligationGuarantee/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. Code attribute and should match one of the values listed in the Measurement unit code (UNECE Recommendation 20)
‖ ‖ ⊢ Hash code	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/ConsignmentItem	Class representing the list of details on the items in the consignment	
‖ ‖ ‖ ⊢ Sequence number	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/SequenceNumeric	Index of the consignment item in the list	The value should be the 1-based index of the consignment item in the list, allowing for quick physical identification upon inspection

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
| | | ├ ADDITIONALINFORMATION	ObligationGuarantee/Declaration/Consignment/ ConsignmentItem/AdditionalInformation	Class representing the list of potential additional information at the consignment item level	
| | | | └ Remarks	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/ ConsignmentItem/Commodity	Class representing the details on the goods	
| | | | ├ Description	ObligationGuarantee/Declaration/Consignment/ ConsignmentItem/Commodity/CargoDescription	Description of the goods	The value should be a text describing the goods
| | | | └ CLASSIFICATION	ObligationGuarantee/Declaration/Consignment/ ConsignmentItem/Commodity/Classification	Class representing the list of classification details of the goods	
| | | | ├ Code	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/ ConsignmentItem/Commodity/Classification/IdentificationTypeCode	Code of the classification	The value should be the code of the classification from the Item type identification code (UN/EDIFACT 7143) list
| | | ├ CONSIGNEE	ObligationGuarantee/Declaration/Consignment/ ConsignmentItem/Consignee	Class representing the potential consignee of the goods	
| | | | ├ Name	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/ ConsignmentItem/Consignee/ID	Unique identifier of the consignee	The value should be the unique identifier of the consignee
| | | | └ ADDRESS	ObligationGuarantee/Declaration/Consignment/ ConsignmentItem/Consignee/Address	Class representing the physical address of the consignee	
| | | | ├ City name	ObligationGuarantee/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	ObligationGuarantee/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 Country name code (ISO 3166-1-alpha-2) list

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
│ │ │ │ ├ Street and number/P.O. Box	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Consignor	Class representing the potential consignor of the goods	
│ │ │ │ ├ Name	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Consignor/ID	Unique identifier of the consignor	The value should be the unique identifier of the consignor
│ │ │ │ └ ADDRESS	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/Consignor/Address	Class representing the physical address of the consignor	
│ │ │ │ ├ City name	ObligationGuarantee/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	ObligationGuarantee/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 Country name code (ISO 3166-1-alpha-2) list
│ │ │ │ ├ Street and number/P.O. Box	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/DeliveryDestination	Class representing the potential party to which the goods should be delivered	
│ │ │ │ ├ Name	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/ConsignmentItem/DeliveryDestination/Address	Class representing the physical address of the delivery destination	

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
| | | | ├ City name	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/ ConsignmentItem/GoodsMeasure	Class representing the details on the measures of the goods	
| | | | └ Gross weight	ObligationGuarantee/Declaration/Consignment/ ConsignmentItem/GoodsMeasure/GrossMassMe asure	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. Code attribute and should match one of the values listed in the Measurement unit code (UNECE Recommendation 20)
| | | ├┬ PACKAGING	ObligationGuarantee/Declaration/Consignment/ ConsignmentItem/Packaging	Class representing the list of details on the packaging of the goods	
| | | | ├ Sequence number	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/ ConsignmentItem/Packaging/TypeCode	Code of the packaging type	The value should be the code of the type of packaging from the code list Package type description code (UNECE Recommendation 21 Annex VI)
| | | ├┬ TRANSPORTEQUIPMENT	ObligationGuarantee/Declaration/Consignment/ ConsignmentItem/TransportEquipment	Class representing the transport equipment used for the consignment item	

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
│ │ │ │ └ Identification	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/ ConsignmentItem/UCR	Class representing the Unique Trader Reference	
│ │ │ └ Identifier	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/L oadingLocation	Class representing the place of loading of the goods	
│ │ │ └ Name	ObligationGuarantee/Declaration/Consignment/L oadingLocation/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	ObligationGuarantee/Declaration/Consignment/ NotifyParty	Class representing a potential party to be notified	
│ │ │ ├ Name	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/ NotifyParty/Address	Class representing the physical address of the party to be notified	
│ │ │ ├ City name	ObligationGuarantee/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	ObligationGuarantee/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 code list Country name code (ISO 3166-1-alpha-2)
│ │ │ ├ Street and number/P.O. Box	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/T ransitDeparture	Class representing the customs office where the goods are loaded	

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
| | | └ Identifier	ObligationGuarantee/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 identifier is the one registered in the International TIR Data Bank (ITDB) for the customs office
| | ├┬ CUSTOMSOFFICEOFDESTINATION	ObligationGuarantee/Declaration/Consignment/TransitDestination	Class representing the customs office where the goods are unloaded	
| | | └ Identifier	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/TransitTransportMeans	Class representing the list of the means of transport for the consignment	
| | | ├ Identification	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/TransitTransportMeans/JourneyID	External identifier/reference identifying a journey of a means of transport	The value should be an identifier referencing a journey of a means of transport (e.g. vessel, train or plane), like voyage number, flight number, or trip number.
| | | ├ Sequence number	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/TransitTransportMeans/Itinerary	Class representing the list of countries of the itinerary of the consignment	
| | | ├ Sequence number	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/TransitTransportMeans/Itinerary/RoutingCountryCode	Code of the country	The value should be the code of the country from the code list Country name code (ISO 3166-1-alpha-2)

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
| | └┬ TRANSPORTEQUIPMENT	ObligationGuarantee/Declaration/Consignment/TransportEquipment	Class representing the list of the transport equipment used for the consignment	
| | ├ Sequence number	ObligationGuarantee/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
| | ├ Size and type, coded	ObligationGuarantee/Declaration/Consignment/TransportEquipment/CharacteristicCode	Code of the transport equipment	The value should be the code of the transport equipment (specifying its characteristices) from the list Equipment size and type description code (UN/EDIFACT 8155)
| | ├ Identification	ObligationGuarantee/Declaration/Consignment/TransportEquipment/ID	Identifier of the transport equipment	The value should be marks (letters and/or numbers) which identify the transport equipment
| | ├┬ CERTIFICATEOFAPPROVAL	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument	Class representing the details of the certificate of approval of the transport equipment	
| | | ├ Number	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/IssueDateTime	Issuing date of the certificate of approval	The value should be either a date only or a date and time. If it is a date only, it should follow the EDIFACT 102 format CCYYMMDD. For Example: 20200820 represents 20 August 2020. If it is a date and time, it should follow the EDIFACT 208 format CCYYMMDDHHMMSSZHHMM. For Example: 20200820145600+0100 represents 20 August 2020 at 14:56 UTC+01:00.
| | | ├ Type, coded	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/TypeCode	Code of the type of the certificate of approval	The value should be the code of the type of the certificate of approval from the code list Document name code (UN/EDIFACT 1001)
| | | └┬ BINARYFILE	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile	Class representing the contents of the certificate of approval	
| | | ├ Identifier	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/Title	Title of the certificate of approval	The value should be the title of the certificate of approval

| eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
| | | ├ Author name	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/AuthorName	Name of the author of the certificate of approval	The value should be the first and last name of the author (or the issuing organization) of the certificate of approval
| | | ├ Version	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/VersionID	Version number of the certificate of approval	The value should be the version of the certificate of approval
| | | ├ File name	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/FileNametext	File name of the certificate of approval	The value should be the name of the file representing the certificate of approval, including the extension
| | | ├ URI	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/URIID	URI of the certificate of approval	The value should be the Unique Resource Identifier (URI) allowing to access the certificate of approval instead of relying on a binary object representation
| | | ├ MIME	ObligationGuarantee/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
| | | ├ Encoding	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/IncludedBinaryObjectBinaryObject	Binary representation of the file	The value should be the contents of the file represented using the characteristics mentioned in the other attributes (EncodingCode and CharacterSetCode)
| | | ├ Access	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/Description	Description of the certificate of approval	The value should be the description of the certificate of approval and explain what it contains

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
| | | ├ Size	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/Declaration/Consignment/TransportEquipment/Seal	Class representing the list of seals affixed to the transport equipment	
| | ├ Sequence number	ObligationGuarantee/Declaration/Consignment/TransportEquipment/Seal/SequenceNumeric	Index of the seal in the list	The value should be the 1-based index of the seal in the list
| | ├ Seal number	ObligationGuarantee/Declaration/Consignment/TransportEquipment/Seal/ID	Unique identifier of the seal	The value should be the unique identifier of the seal affixed to the transport equipment
| | └ Seal type, coded	ObligationGuarantee/Declaration/Consignment/TransportEquipment/Seal/TypeCode	Code of the type of seal	The value should be the code of the type of seal from the code list Seal type (eTIR)
| ├┬ GUARANTEE	ObligationGuarantee/Declaration/DeclarationGuarantee	Class representing the guarantee of this TIR transport	
| | ├ Validity date	ObligationGuarantee/Declaration/DeclarationGuarantee/ExpirationDateTime	Expiration date of the guarantee	The value should be a date to be provided following the EDIFACT 102 format CCYYMMDD. For Example: 20200820 represents 20 August 2020.
| | ├ Reference	ObligationGuarantee/Declaration/DeclarationGuarantee/ReferenceID	Unique identifier of the guarantee	The value should be the unique identifier of the guarantee for this TIR transport
| | └ Guarantee type, coded	ObligationGuarantee/Declaration/DeclarationGuarantee/SecurityDetailsCode	Code of the type of guarantee	The value should be the unique identifier of the guarantee for this TIR transport
| ├┬ NATIONALREFERENCE	ObligationGuarantee/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	ObligationGuarantee/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 along the itinerary of the transport

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
| | └ Country, coded	ObligationGuarantee/Declaration/NationalReference/IssuingCountryCode	Code of the country along the itinerary	The value should be the code of the country along the itinerary from the list Country name code (ISO 3166-1-alpha-2)
| └┬ HOLDER	ObligationGuarantee/Declaration/Principal	Class representing the holder (transporter) of this transport	
| ├ Name	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/Declaration/Principal/Address	Class representing the physical address of the holder	
| ├ City name	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/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
├┬ GUARANTEECHAIN	ObligationGuarantee/Surety	Class representing the information related to the issuing guarantee chain (providing guarantee for the TIR transport)	
| └ Code	ObligationGuarantee/Surety/ID	Unique identifier of the guarantee chain which issued the guarantee	The value should be 'IRU' for guarantees issued by the International Road transport Union
├┬ TIROPERATION	ObligationGuarantee/TransitOperation	Class representing the list of potential TIR operations that have already been carried out with the guarantee	
| ├ Sequence number	ObligationGuarantee/TransitOperation/SequenceNumeric	Index of the TIR operation in the list	The value should be the 1-based index of the TIR operation in the list
| ├ Registration number	ObligationGuarantee/TransitOperation/RegistrationID	Identifier of the TIR operation	The value should be the unique identifier under which the TIR operation is nationally registered

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
| ┬ START	ObligationGuarantee/TransitOperation/Operation Start	Class representing the details related to the start of the TIR operation	
| | ├ End date time	ObligationGuarantee/TransitOperation/Operation Start/InspectionEndDateTime	Date and time when the TIR operation has been started	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.
| | ├ Time limit date time	ObligationGuarantee/TransitOperation/Operation Start/LimitDateTime	Date (with or without the time) by when the TIR operation should be completed	The value should be either a date only or a date and time. If it is a date only, it should follow the EDIFACT 102 format CCYYMMDD. For Example: 20200820 represents 20 August 2020. If it is a date and time, it should follow the EDIFACT 208 format CCYYMMDDHHMMSSZHHMM. For Example: 20200820145600+0100 represents 20 August 2020 at 14:56 UTC+01:00.
| | ┬ ADDITIONALINFORMATION	ObligationGuarantee/TransitOperation/Operation Start/AdditionalInformation	Class representing the potential additional information regarding the start of the TIR operation	
| | | └ Remarks	ObligationGuarantee/TransitOperation/Operation Start/AdditionalInformation/Content	Remarks added when starting the TIR operation	The value should be the remark text a customs officer would record when starting the TIR operation
| | ┬ CONSIGNMENT	ObligationGuarantee/TransitOperation/Operation Start/Consignment	Class representing potential parent object grouping all transport equipments and related seals information	
| | └┬ TRANSPORTEQUIPMENT	ObligationGuarantee/TransitOperation/Operation Start/Consignment/TransportEquipment	Class representing the list of all transport equipments used for all consignments in the TIR operation	
| | | ├ Identifier	ObligationGuarantee/TransitOperation/Operation Start/Consignment/TransportEquipment/ID	Identifier of the transport equipment	The value should be marks (letters and/or numbers) which identify the transport equipment
| | | └┬ SEAL	ObligationGuarantee/TransitOperation/Operation Start/Consignment/TransportEquipment/Seal	Class representing the list of seals affixed to the transport equipment	
| | | ├ Sequence number	ObligationGuarantee/TransitOperation/Operation Start/Consignment/TransportEquipment/Seal/SequenceNumeric	Index of the seal in the list	The value should be the 1-based index of the seal in the list
| | | ├ Seal number	ObligationGuarantee/TransitOperation/Operation Start/Consignment/TransportEquipment/Seal/ID	Unique identifier of the seal	The value should be the unique identifier of the seal affixed to the transport equipment

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
| | | └ Seal type, coded	ObligationGuarantee/TransitOperation/OperationStart/Consignment/TransportEquipment/Seal/TypeCode	Code of the type of seal	The value should be the code of the type of seal from the code list Seal type (eTIR)
| | ┬ CONTROL	ObligationGuarantee/TransitOperation/OperationStart/Control	Class representing the details of the control performed by the customs officer before starting the TIR operation	
| | | ├ Type, coded	ObligationGuarantee/TransitOperation/OperationStart/Control/TypeCode	Code of the type of control	The value should be the code of the type of control from the code list Control type (eTIR)
| | | └┬ CONTROLRESULT	ObligationGuarantee/TransitOperation/OperationStart/Control/ControlResult	Class representing the details of the outcome of the control performed by the customs officer	
| | | └ Result, coded	ObligationGuarantee/TransitOperation/OperationStart/Control/ControlResult/ID	Code of the result of the control	The value should be the code of the result of the control from the code list Control result (eTIR)
| | ┬ NATIONALITINERARY	ObligationGuarantee/TransitOperation/OperationStart/Itinerary	Class representing the potential national itinerary that has to be followed by the TIR transport, mentioning one or more customs offices to be visited	
| | | └┬ NATIONALITINERARYCUSTOMSOFFICE	ObligationGuarantee/TransitOperation/OperationStart/Itinerary/ItineraryGovernmentOffice	Class representing the details identifying a customs office that has to be visited by the TIR transport during its itinerary	
| | | └ Identifier	ObligationGuarantee/TransitOperation/OperationStart/Itinerary/ItineraryGovernmentOffice/ID	Unique identifier of the customs office of the itinerary	The value should be the unique identifier of the customs office of the itinerary. This identifier is the one recorded in the International TIR Data Bank (ITDB) for the customs office
| | └┬ CUSTOMSOFFICE	ObligationGuarantee/TransitOperation/OperationStart/TransitOperationStartOffice	Class representing the details of the customs office where the TIR operation started	
| | └ Identifier	ObligationGuarantee/TransitOperation/OperationStart/TransitOperationStartOffice/ID	Unique identifier of the customs office where the TIR operation is started	The value should be the unique identifier of the customs office where the TIR operation is started. This identifier is the one recorded in the International TIR Data Bank (ITDB) for the customs office
| ├ TERMINATION	ObligationGuarantee/TransitOperation/OperationTermination	Class representing the details related to the termination of the TIR operation	
| | ├ End date time	ObligationGuarantee/TransitOperation/OperationTermination/InspectionEndDateTime	Date and time when the TIR operation has been terminated	The value should be a date and time to be provided following the EDIFACT 208 format CCYYMMDDHHMMSSZHHMM. For Example:

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
			20200820145600+0100 represents 20 August 2020 at 14:56 UTC+01:00.
│ │ ├ Number of packages	ObligationGuarantee/TransitOperation/Operation Termination/PackageQuantityQuantity	Number of packages unloaded	The value should be the number of packages potentially unloaded during the termination of the TIR operation
│ │ ├ Termination type, coded	ObligationGuarantee/TransitOperation/Operation Termination/TypeCode	Code of the type of termination of the TIR operation	The value should be the type of termination code of the TIR operation from the code list Termination type (eTIR)
│ │ ├┬ ADDITIONALINFORMATION	ObligationGuarantee/TransitOperation/Operation Termination/AdditionalInformation	Class representing potential additional information regarding the termination of the TIR operation	
│ │ │ └ Reservations	ObligationGuarantee/TransitOperation/Operation Termination/AdditionalInformation/Content	Reservations/remarks added when terminating the TIR operation	The value should be the reservations a customs officer would have added when terminating the TIR operation
│ │ ├┬ CONSIGNMENT	ObligationGuarantee/TransitOperation/Operation Termination/Consignment	Class representing potential parent object grouping details about all transport equipments and related seals information	
│ │ │ └┬ TRANSPORTEQUIPMENT	ObligationGuarantee/TransitOperation/Operation Termination/Consignment/TransportEquipment	Class representing the list of all transport equipments used for all consignments in the TIR operation	
│ │ │ ├ Identifier	ObligationGuarantee/TransitOperation/Operation Termination/Consignment/TransportEquipment/ID	Identifier of the transport equipment	The value should be the marks (letters and/or numbers) which identify the transport equipment
│ │ │ └┬ SEAL	ObligationGuarantee/TransitOperation/Operation Termination/Consignment/TransportEquipment/Seal	Class representing the list of seals affixed to the transport equipment	
│ │ │ ├ Sequence number	ObligationGuarantee/TransitOperation/Operation Termination/Consignment/TransportEquipment/Seal/SequenceNumeric	Index of the seal in the list	The value should be the 1-based index of the seal in the list
│ │ │ ├ Seal number	ObligationGuarantee/TransitOperation/Operation Termination/Consignment/TransportEquipment/Seal/ID	Unique identifier of the seal	The value should be the unique identifier of the seal affixed to the transport equipment
│ │ │ └ Seal type, coded	ObligationGuarantee/TransitOperation/Operation Termination/Consignment/TransportEquipment/Seal/TypeCode	Code of the type of seal	The value should be the code of the type of seal from the code list Seal type (eTIR)

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
│ │ ├─ CONTROL	ObligationGuarantee/TransitOperation/Operation Termination/Control	Class representing the details of the control performed by the customs officer while terminating the TIR operation	
│ │ │ ├ Type, coded	ObligationGuarantee/TransitOperation/Operation Termination/Control/TypeCode	Code of the type of control	The value should be the code of the type of control from the code list Control type (eTIR)
│ │ │ └─ CONTROLRESULT	ObligationGuarantee/TransitOperation/Operation Termination/Control/ControlResult	Class representing the details of the outcome of the control performed by the customs officer	
│ │ │ └ Result, coded	ObligationGuarantee/TransitOperation/Operation Termination/Control/ControlResult/ID	Code of the result of the control	The value should be the code of the result of the control from the code list Control result (eTIR)
│ │ └─ CUSTOMSOFFICE	ObligationGuarantee/TransitOperation/Operation Termination/TransitOperationTerminationOffice	Class representing the details of the customs office where the TIR operation is terminated	
│ │ └ Identifier	ObligationGuarantee/TransitOperation/Operation Termination/TransitOperationTerminationOffice/ ID	Unique identifier of the customs office where the TIR operation is terminated	The value should be the unique identifier of the customs office where the TIR operation is terminated. This identifier is the one recorded in the International TIR Data Bank (ITDB) for the customs office
│ ├─ DISCHARGE	ObligationGuarantee/TransitOperation/Operation Discharge	Class representing the details related to the discharge of the TIR operation	
│ │ ├ End date time	ObligationGuarantee/TransitOperation/Operation Discharge/InspectionEndDateTime	Date and time when the TIR operation has just been discharged	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.
│ │ └─ CUSTOMSOFFICE	ObligationGuarantee/TransitOperation/Operation Discharge/TransitOperationDischargeOffice	Class representing the details of the customs office where the TIR operation is discharged	
│ │ └ Identifier	ObligationGuarantee/TransitOperation/Operation Discharge/TransitOperationDischargeOffice/ID	Unique identifier of the customs office where the TIR operation is discharged	The value should be the unique identifier of the customs office where the TIR operation is discharged. This identifier is the one recorded in the International TIR Data Bank (ITDB) for the customs office
│ └─ REFUSALTOSTART	ObligationGuarantee/TransitOperation/RefusalT oStart	Class representing the details related to the refusal to start the TIR operation	
│ ├ End date time	ObligationGuarantee/TransitOperation/RefusalT oStart/InspectionEndDateTime	Date and time when the TIR operation has been refused to be started	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.

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
│ ├─ ADDITIONALINFORMATION	ObligationGuarantee/TransitOperation/RefusalToStart/AdditionalInformation	Class representing additional information regarding the refusal to start the TIR operation	
│ │ └─ Reason	ObligationGuarantee/TransitOperation/RefusalToStart/AdditionalInformation/Content	Reason for refusing to start the TIR operation	The value should be the reason(s) a customs officer would have refused to start a TIR operation
│ ├─ CONTROL	ObligationGuarantee/TransitOperation/RefusalToStart/Control	Class representing the details of the control performed by the customs officer before refusing to start the TIR operation	
│ │ ├─ Type, coded	ObligationGuarantee/TransitOperation/RefusalToStart/Control/TypeCode	Code of the type of control	The value should be the code of the type of control from the code list Control type (eTIR)
│ │ └─ CONTROLRESULT	ObligationGuarantee/TransitOperation/RefusalToStart/Control/ControlResult	Class representing the details of the outcome of the control performed by the customs officer	
│ │ └─ Result, coded	ObligationGuarantee/TransitOperation/RefusalToStart/Control/ControlResult/ID	Code of the result of the control	The value should be the code of the result of the control from the code list Control result (eTIR)
│ └─ CUSTOMSOFFICE	ObligationGuarantee/TransitOperation/RefusalToStart/TransitOperationStartOffice	Class representing the details of the customs office where the TIR operation is refused to be started	
│ └─ Identifier	ObligationGuarantee/TransitOperation/RefusalToStart/TransitOperationStartOffice/ID	Unique identifier of the customs office where the TIR operation is refused to be started	The value should be the unique identifier of the customs office where the TIR operation is refused to be started. This identifier is the one recorded in the International TIR Data Bank (ITDB) for the customs office
└─ HOLDER	ObligationGuarantee/Principal	Class representing the holder (transporter) of this transport	
├─ Name	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/Principal/Address	Class representing the physical address of the holder	
│ ├─ City name	ObligationGuarantee/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	ObligationGuarantee/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	ObligationGuarantee/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

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
| └ Postcode identification	ObligationGuarantee/Principal/Address/Postcode ID	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
└┬ AUTHORIZATION	ObligationGuarantee/Principal/AuthorizationCertificate	Class representing the details related to the authorization of the holder in the TIR system	
├ Status, coded	ObligationGuarantee/Principal/AuthorizationCertificate/StatusCode	Code of the current authorization status of the holder	The value should be the code of the current authorization status of the holder from the code list Holder status (eTIR)
├┬ ACTIVEWITHDRAWAL	ObligationGuarantee/Principal/AuthorizationCertificate/AuthorizationWithdrawal	Class representing the details related to a potential withdrawal of the holder from the TIR system	
| ├ Start date	ObligationGuarantee/Principal/AuthorizationCertificate/AuthorizationWithdrawal/EffectiveDateTime	Start date of the withdrawal of the holder from the TIR system	The value should be a date to be provided following the EDIFACT 102 format CCYYMMDD. For Example: 20200820 represents 20 August 2020.
| └ End date	ObligationGuarantee/Principal/AuthorizationCertificate/AuthorizationWithdrawal/ExpirationDateTime	End date of the withdrawal of the holder from the TIR system	The value should be a date to be provided following the EDIFACT 102 format CCYYMMDD. For Example: 20200820 represents 20 August 2020.
└┬ ACTIVEEXCLUSION	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion	Class representing the list of potential exclusions of the holder in specific countries, as per Article 38 of the TIR Convention	
├ Start date	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion/EffectiveDateTime	Start date of the exclusion of the holder from the TIR system in the country detailed in the related field below	The value should be a date to be provided following the EDIFACT 102 format CCYYMMDD. For Example: 20200820 represents 20 August 2020.
├ End date	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion/ExpirationDateTime	End date of the exclusion of the holder from the TIR system in the country detailed in the related field below	The value should be a date to be provided following the EDIFACT 102 format CCYYMMDD. For Example: 20200820 represents 20 August 2020.
└ Country, coded	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion/CountryCode	Code of the country in which the holder is excluded	The value should be the code of the country in which the holder is excluded from the list Country name code (ISO 3166-1-alpha-2)

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

6.   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 "I6 – Query 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.

7.   If there was no error, and the response message content is as expected, the next step for the national customs system is to find the information needed in the response. Depending on the case in which the query mechanism was used, the national customs system may need to store in its database all information contained in the "I6 – Query results", or on the contrary, the national customs system may need to retrieve only a few fields from the response and process them.

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