

**Economic and Social Council**

Distr.: General  
2 July 2021

Original: English

---

**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 pairs I1/I2, I3/I4, I9/I10 and  
I11/I12****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<sup>1</sup>) 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)<sup>2</sup> (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)).<sup>3</sup>

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

---

<sup>1</sup> Decision of the Inland Transport Committee para. 84 / ECE/TRANS/294  
[www.unece.org/fileadmin/DAM/trans/doc/2020/itc/ECE-TRANS-294e.pdf](http://www.unece.org/fileadmin/DAM/trans/doc/2020/itc/ECE-TRANS-294e.pdf)

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

<sup>3</sup> 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](http://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 I1, I2, I3, I4, I9, I10, I11 and I12. 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. Introduction**

4. This section lists the technical details of all eTIR messages. The details, description and usage of all the fields are presented in two tables for each eTIR message. Important information is also mentioned for the eTIR stakeholders on how to use the information retrieved in the response messages and on how to prepare the several request messages that should be sent to the eTIR international system.

5. The structure of the following messages are defined in the relevant XSD files available on the eTIR web site<sup>4</sup> and it is important to recall that the metadata fields previously defined should be present in all messages before the fields of the messages. Additional information, including examples of the eTIR messages in XML and applicable error codes, is available in the technical guides dedicated to each message pair, that are available on the eTIR web site<sup>5</sup>.

#### **2. I1/I2 message pair**

6. This section describes the technical specifications of the “I1 – Accept guarantee” request message sent by the customs authorities to accept a guarantee to start a TIR Transport; and the “I2 – Acceptance results” response message sent back by the eTIR international system.

---

<sup>4</sup> See [etir.org/xsd-files](http://etir.org/xsd-files)

<sup>5</sup> See [etir.org/documentation](http://etir.org/documentation)

**(a) I1 – Accept guarantee**

Table 1

**I1 – field details**

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
└ Message function, coded	Function	R	1..1	n..2	CL16		
└ Message identifier	ID	R	1..1	an..70			
└ Type, coded	TypeCode	R	1..1	an..3	CL26		
└ GUARANTEE	ObligationGuarantee	R	1..1				
└ Acceptance date time	ObligationGuarantee/AcceptanceDateTime	R	1..1	an..35			
└ Reference	ObligationGuarantee/ReferenceID	R	1..1	an..35			
└ Guarantee type, coded	ObligationGuarantee/SecurityDetailsCode	R	1..1	an..3	CL12		
└ GUARANTEECHAIN	ObligationGuarantee/Surety	R	1..1				
└ Code	ObligationGuarantee/Surety/ID	R	1..1	an..35			
└ HOLDER	ObligationGuarantee/Principal	R	1..1				
└ Identifier	ObligationGuarantee/Principal/ID	R	1..1	an..35			

Table 2

**I1 – field descriptions and usages**

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
└ Message function, coded	Function	Code describing the function of the message	The value should be set to '9' (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 "I1"
└ 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

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Description</i>	<i>Usage</i>
└ Reference	ObligationGuarantee/ReferenceID	Unique identifier of the guarantee being accepted	CCYYMMDDHHMMSSZHHMM. For Example: 20200820145600+0100 represents 20 August 2020 at 14:56 UTC+01:00. The value should be the unique identifier of the guarantee for this TIR transport 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
└ Guarantee type, coded	ObligationGuarantee/SecurityDetailsCode	Code of the guarantee type	
└┐ GUARANTEECHAIN	ObligationGuarantee/Surety	Class representing the information related to the issuing guarantee chain (providing guarantee for the TIR transport)	The value should be 'IRU' for guarantees issued by the International Road transport Union
└┐ Code	ObligationGuarantee/Surety/ID	Unique identifier of the guarantee chain which issued the guarantee	
└┐ HOLDER	ObligationGuarantee/Principal	Class representing the TIR Carnet holder (transporter) of this transport	The value should be the unique identifier of the TIR Carnet holder as recorded in the International TIR Data Bank (ITDB)
└┐ Identifier	ObligationGuarantee/Principal/ID	Unique identifier of the TIR Carnet holder	

**(b) I2 – Acceptance results**

Table 3

**I2 – field details**

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
└ Message function, coded	Function	R	1..1	n..2	CL16		
└ Original Message Identifier	FunctionalReferenceID		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			

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
└ Location	Error/Pointer/Location	R	1..1	an..512			
└ GUARANTEE	ObligationGuarantee	R	1..1				
└ Reference	ObligationGuarantee/ReferenceID	R	1..1	an..35			

Table 4  
**I2 – field descriptions and usages**

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Description</i>	<i>Usage</i>
Message function, coded	Function	Code describing the function of the message	The value should be "44" (Accepted without reserves) if the request was processed correctly. If at least one error is described in this message, the value should be "27" (Not accepted)
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 (I1)
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 "I2"
└ 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	
└ Reference	ObligationGuarantee/ReferenceID	Unique identifier of the guarantee	The value should be the unique identifier of the guarantee for this TIR transport

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

7. 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 “I2 – Acceptance 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.

8. If there are no errors listed in the response message, the national customs system should check that the reference of the guarantee that has been recorded as accepted in the eTIR international system is indeed the same as the one mentioned in the “I1 – Accept guarantee” request message. If it’s not the case, then customs authorities should contact the eTIR service desk to report this issue so that it can be investigated as soon as possible. If there was no error, and the response message content is as expected, the next step for the national customs systems is to send the declaration data to the eTIR international system using the “I7 – Record declaration data” message.

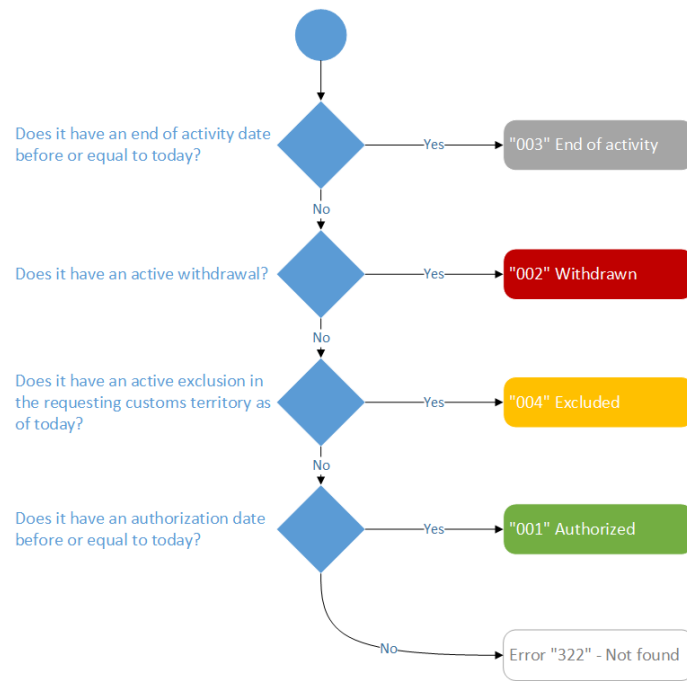
**3. I3/I4 message pair**

9. This section describes the technical specifications of the “I3 – Get holder information” request message sent by the customs authorities to retrieve information about a holder; and the “I4 – Holder information” response message sent back by the eTIR international system.

10. The “I3 – Get holder information” and the “I4 – Holder information” form the TIR Carnet holder query system available for the customs authorities to verify the status of a TIR Carnet holder and to retrieve its information as recorded in the International TIR Data Bank (ITDB). These messages are optional for the customs authorities to implement. Although this web service is available directly in ITDB, the national customs systems can choose to access it via the eTIR international system using the “I3 – Get holder information” and “I4 – Holder information” messages.

11. It is to be noted that the “I3 – Get holder information” message is also used internally by the eTIR international system for any inbound eTIR message where a holder identifier is mentioned to check its validity during the course of the TIR transport.

12. A holder may have different status that depends on the date, its situation toward its national customs authorities and on national transport association as well as towards the customs authority that query the information. Therefore, it is important to understand that the returned information depends on the querying customs authority as described in the figure below.

**Algorithm to determine the status of a holder**

**(a) I3 – Get holder information**

Table 5

**I3 – field details**

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
└ Message function, coded	Function	R	1..1	n..2	CL16		
└ Message identifier	ID	R	1..1	an..70			
└ Type, coded	TypeCode	R	1..1	an..3	CL26		
└ HOLDER	Principal	R	1..1				
└ Identifier	Principal/ID	R	1..1	an..35			

Table 6

**I3 – field descriptions and usages**

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
└ Message function, coded	Function	Code describing the function of the message	The value should be set to “9” (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 "I3"
└ HOLDER	Principal	Class representing the holder	
└ Identifier	Principal/ID	Unique identifier of the holder requested	The value should be the unique identifier of the holder requested, as recorded in the International TIR Data Bank (ITDB). It can be provided with or without the "/" characters.

**(b) I4 – Holder information**

Table 7

**I4 – field details**

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
------------------------	---	---------------	--------------------	---------------	-------------------	-------------------	--------------



<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
└ Message function, coded	Function	R	1..1	n..2	CL16		
└ Original Message Identifier	FunctionalReferenceID	R	1..1	an..70			
└ Message identifier	ID	R	1..1	an..70			
└ Type, coded	TypeCode	R	1..1	an..3	CL26		
└ 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			
└ HOLDER	Principal	R	1..1				
└ Name	Principal/Name	R	1..1	an..70			
└ Identifier	Principal/ID	R	1..1	an..35			
└ ADDRESS	Principal/Address	R	1..1				
└ City name	Principal/Address/CityName	R	1..1	an..35			
└ Country, coded	Principal/Address/CountryCode	R	1..1	a2	CL04		
└ Street and number/P.O. Box	Principal/Address/Line	R	1..1	an..256			
└ Postcode identification	Principal/Address/PostcodeID	O	0..1	an..17			
└ AUTHORIZATION	Principal/AuthorizationCertificate	R	1..1				
└ Status, coded	Principal/AuthorizationCertificate/StatusCode	R	1..1	an..3	CL23		
└ ACTIVEWITHDRAWAL	Principal/AuthorizationCertificate/AuthorizationWithdrawal	O	0..1				
└ Start date	Principal/AuthorizationCertificate/AuthorizationWithdrawal/EffectiveDateT ime	R	1..1	an..35			

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
⊥ End date	Principal/AuthorizationCertificate/AuthorizationWithdrawal/ExpirationDate Time	O	0..1	an..35			
⊥ ACTIVEEXCLUSION	Principal/AuthorizationCertificate/Exclusion	O	0..*				
⊥ Start date	Principal/AuthorizationCertificate/Exclusion/EffectiveDateTime	R	1..1	an..35			
⊥ End date	Principal/AuthorizationCertificate/Exclusion/ExpirationDateTime	O	0..1	an..35			
⊥ Country, coded	Principal/AuthorizationCertificate/Exclusion/CountryCode	R	1..1	a2	CL04		

Table 8  
**I4 – field descriptions and usages**

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
⊥ Message function, coded	Function	Code describing the function of the message	The value should be "I1" if the request was processed correctly. If at least one error is described in this message, the value should be "I0"
⊥ 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 (I3)
⊥ 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 "I4"
⊥ 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
⊥ HOLDER	Principal	Class representing the holder	
⊥ Name	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

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
Identifier	Principal/ID	Unique identifier of the holder	person as recorded in the International TIR Data Bank (ITDB), to allow for quick identification The value should be the unique identifier of the holder as recorded in the International TIR Data Bank (ITDB)
ADDRESS	Principal/Address	Class representing the physical address of the holder	
City name	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	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	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	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
AUTHORIZATION	Principal/AuthorizationCertificate	Class representing the details related to the authorization of the holder in the TIR system	
Status, coded	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	Principal/AuthorizationCertificate/AuthorizationWithdrawal	Class representing the details related to a potential withdrawal of the holder from the TIR system	
Start date	Principal/AuthorizationCertificate/AuthorizationWithdrawal/EffectiveDateTime	Start date and time 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	Principal/AuthorizationCertificate/AuthorizationWithdrawal/ExpirationDateTime	End date and time 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	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	Principal/AuthorizationCertificate/Exclusion/EffectiveDateTime	Start date and time 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	Principal/AuthorizationCertificate/Exclusion/ExpirationDateTime	End date and time 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.

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
└ Country, coded	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**

13. 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 “I4 – Holder information” 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.

14. If there are no errors listed in the response message, check that the Identifier of the holder is indeed the same as the one mentioned in the “I3 – Get holder information” message that you sent. If it’s not the case, then you should contact the eTIR service desk to report this issue so that it can be investigated as soon as possible. If everything is correct then customs authorities may focus first on the holder status code value as it reflects the holder authorization to use the TIR procedure. Additional information can then be found with the address and potential active withdrawal and active exclusions.

**4. I9/I10 message pair**

15. This section describes the technical specifications of the “I9 – Start TIR operation” request message sent by the national customs system to the eTIR international system to start a TIR operation; and the “I10 – Start results” response message sent back by the eTIR international system. This request message is sent immediately after having sent the declaration data using the “I7 – Record declaration data” message.

**(a) I9 – Start TIR operation**

16. If it is the first TIR operation of the TIR transport, this message should contain all information about the seal(s) affixed to the road vehicle, the combination of vehicles or the container.

Table 9  
**I9 – field details**

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
└ Message function, coded	Function	R	1..1	n..2	CL16		
└ Message identifier	ID	R	1..1	an..70			
└ Type, coded	TypeCode	R	1..1	an..3	CL26		
└ GUARANTEE	ObligationGuarantee	R	1..1				
└ Reference	ObligationGuarantee/ReferenceID	R	1..1	an..35			
└ TIROPERATION	ObligationGuarantee/TransitOperation	R	1..1				
└ Sequence number	ObligationGuarantee/TransitOperation/SequenceNumeric	R	1..1	n..5			
└ Registration number	ObligationGuarantee/TransitOperation/RegistrationID	R	1..1	an..35			
└ START	ObligationGuarantee/TransitOperation/OperationStart	R	1..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, R009
└ TRANSPORTEQUIPMENT	ObligationGuarantee/TransitOperation/OperationStart/Consignment/TransportEquipment	R	1..*				
└ Identifier	ObligationGuarantee/TransitOperation/OperationStart/Consignment/TransportEquipment/ID	R	1..1	an..17			

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
⊥ 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..1				
⊥ 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			

Table 10  
**19 – field descriptions and usages**

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Description</i>	<i>Usage</i>
------------------------	---	--------------------	--------------

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
└ Message function, coded	Function	Code describing the function of the message	The value should be set to "9" (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 "I9"
└ 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
└ TIROPERATION	ObligationGuarantee/TransitOperation	Class representing the TIR operation that is being started	
└ Sequence number	ObligationGuarantee/TransitOperation/Sequence Numeric	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
└ START	ObligationGuarantee/TransitOperation/Operation Start	Class representing the details related to the start of the TIR operation	
└ End date time	ObligationGuarantee/TransitOperation/Operation Start/InspectionEndTime	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



<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
└─ CONSIGNMENT	ObligationGuarantee/TransitOperation/OperationStart/Consignment	Class representing potential parent object grouping all transport equipments and related seals information	
└─ TRANSPORTEQUIPMENT	ObligationGuarantee/TransitOperation/OperationStart/Consignment/TransportEquipment	Class representing the list of all transport equipments used for all consignments in the TIR operation	
└ Identifier	ObligationGuarantee/TransitOperation/OperationStart/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/OperationStart/Consignment/TransportEquipment/Seal	Class representing the list of seals affixed to the transport equipment	
└ Sequence number	ObligationGuarantee/TransitOperation/OperationStart/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/OperationStart/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/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	

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
$\perp$ 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	
$\perp$ 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
$\perp$ CUSTOMSOFFICE	ObligationGuarantee/TransitOperation/OperationStart/TransitOperationStartOffice	Class representing the details of the customs office where the TIR operation started	
$\perp$ 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

**(b) I10 – Start results**

Table 11

**I10 – field details**

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
Message function, coded	Function	R	1..1	n..2	CL16		
Original Message Identifier	FunctionalReferenceID	R	1..1	an..70			
Message identifier	ID	R	1..1	an..70			
Type, coded	TypeCode	R	1..1	an..3	CL26		
$\perp$ ERROR	Error	D	0..*			C006	
Error, coded	Error/ValidationCode	R	1..1	an..8	CL99		
$\perp$ POINTER	Error/Pointer	R	1..*				
Sequence number	Error/Pointer/SequenceNumeric	R	1..1	n..5			
$\perp$ Location	Error/Pointer/Location	R	1..1	an..512			
$\perp$ GUARANTEE	ObligationGuarantee	R	1..1				
Status, coded	ObligationGuarantee/StatusCode	R	1..1	an..3	CL22		

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
Reference	ObligationGuarantee/ReferenceID	R	1..1	an..35			
TIROPERATION	ObligationGuarantee/TransitOperation	R	1..1				
Sequence number	ObligationGuarantee/TransitOperation/SequenceNumeric	R	1..1	n..5			
Registration number	ObligationGuarantee/TransitOperation/RegistrationID	R	1..1	an..35			
START	ObligationGuarantee/TransitOperation/OperationStart	R	1..1				
End date time	ObligationGuarantee/TransitOperation/OperationStart/InspectionEndDateTime	R	1..1	an..35			
HOLDER	ObligationGuarantee/Principal	R	1..1				
Identifier	ObligationGuarantee/Principal/ID	R	1..1	an..35			
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			
Country, coded	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion/CountryCode	R	1..1	a2	CL04		

Table 12  
I10 – field descriptions and usages

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
└ Message function, coded	Function	Code describing the function of the message	The value should be "44" (Accepted without reserves) if the request was processed without error, else, in case of error(s) reported in this message, the value should be "27" (Not accepted)
└ 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 (I9)
└ 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 "I10"
└ ERROR	Error	Class representing the list of errors, if any	
└ Error, coded	Error/ValidationCode	Code of the error type	The value should be the code of the error from the list Error code (eTIR)
└ POINTER	Error/Pointer	Class representing the pointer to the erroneous field, if any	
└ Sequence number	Error/Pointer/SequenceNumeric	Index of the error in the list	The value should be the 1-based index of the error in the list
└ Location	Error/Pointer/Location	Location of the erroneous field	The value should be the location of the erroneous field following the XPath syntax. Additional details regarding the location of the fields per error code are available on the page dedicated to errors
└ GUARANTEE	ObligationGuarantee	Class representing the guarantee of this TIR transport	
└ 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
└ TIROPERATION	ObligationGuarantee/TransitOperation	Class representing the TIR operation that is being started	
└ 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
└ START	ObligationGuarantee/TransitOperation/OperationStart	Class representing the details related to the start of the TIR operation	
└ End date time	ObligationGuarantee/TransitOperation/OperationStart/InspectionEndTime	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:

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
└─ HOLDER	ObligationGuarantee/Principal	Class representing the holder (transporter) of this transport	20200820145600+0100 represents 20 August 2020 at 14:56 UTC+01:00.  The value should be the unique identifier of the holder as recorded in the International TIR Data Bank (ITDB)
└─ Identifier	ObligationGuarantee/Principal/ID	Unique identifier of the holder	
└─ AUTHORIZATION	ObligationGuarantee/Principal/AuthorizationCertificate	Class representing the details related to the authorization of the holder in the TIR system	The value should be the code of the current authorization status of the holder from the code list Holder status (eTIR)
└─ Status, coded	ObligationGuarantee/Principal/AuthorizationCertificate/StatusCode	Code of the current authorization status of the holder	
└─ ACTIVEWITHDRAWAL	ObligationGuarantee/Principal/AuthorizationCertificate/AuthorizationWithdrawal	Class representing the details related to a potential 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.
└─ Start date	ObligationGuarantee/Principal/AuthorizationCertificate/AuthorizationWithdrawal/EffectiveDateTime	Start date of the withdrawal of the holder from the TIR system	
└─ 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	The value should be a date to be provided following the EDIFACT 102 format CCYYMMDD. For Example: 20200820 represents 20 August 2020.
└─ 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	
└─ 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**

17. 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 “I10 – Start 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.

18. If there was no error, and the response message content is as expected, the next step for the national customs systems is to authorize the holder to start his journey across the country (the TIR operation).

**5. I11/I12 message pair**

19. This section describes the technical specifications of the “I11 – Terminate TIR operation” request message sent by the national customs system to terminate (complete) a TIR operation; and the “I11 – Termination results” response message sent back by the eTIR international system.

**(a) I11 – Terminate TIR operation**

Table 13

**I11 – field details**

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
└ Message function, coded	Function	R	1..1	n..2	CL16		
└ Message identifier	ID	R	1..1	an..70			
└ Type, coded	TypeCode	R	1..1	an..3	CL26		
└ GUARANTEE	ObligationGuarantee	R	1..1				
└ Reference	ObligationGuarantee/ReferenceID	R	1..1	an..35			
└ TIROPERATION	ObligationGuarantee/TransitOperation	R	1..1				
└ Sequence number	ObligationGuarantee/TransitOperation/SequenceNumeric	R	1..1	n..5			
└ Registration number	ObligationGuarantee/TransitOperation/RegistrationID	R	1..1	an..35			
└ TERMINATION	ObligationGuarantee/TransitOperation/OperationTermination	R	1..1				
└ 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..*				

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
⊢ 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/TypeCode	R	1..1	an..3	CL25		
⊢ CONTROLRESULT	ObligationGuarantee/TransitOperation/OperationTermination/Control/ControlResult	R	1..1				
⊢ 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			

Table 14  
**I11 – field descriptions and usages**

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Description</i>	<i>Usage</i>
⊢ Message function, coded	Function	Code describing the function of the message	The value should be set to “9” (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



<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
└ Type, coded	TypeCode	Code of the message type	The value should be set to "111"
└ 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
└ TIROPERATION	ObligationGuarantee/TransitOperation	Class representing the TIR operation that is being terminated	
└ Sequence number	ObligationGuarantee/TransitOperation/Sequence Numeric	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 of the TIR operation
└ TERMINATION	ObligationGuarantee/TransitOperation/Operation Termination	Class representing the details related to the termination of the TIR operation	
└ End date time	ObligationGuarantee/TransitOperation/Operation Termination/InspectionEndTime	Date and time when the TIR operation has just been terminated	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.
└ Number of packages	ObligationGuarantee/TransitOperation/Operation Termination/PackageQuantityQuantity	Number of packages unloaded	The value should be the number of packages 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 added when terminating the TIR operation	The value should be the reservations or remarks a customs officer would record 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	

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Description</i>	<i>Usage</i>
⊢ Identifier	ObligationGuarantee/TransitOperation/OperationTermination/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/OperationTermination/Consignment/TransportEquipment/Seal	Class representing the list of seals affixed to the transport equipment	
⊢ Sequence number	ObligationGuarantee/TransitOperation/OperationTermination/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/OperationTermination/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/OperationTermination/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/OperationTermination/Control	Class representing the details of the control performed by the customs officer while terminating the TIR operation	
⊢ Type, coded	ObligationGuarantee/TransitOperation/OperationTermination/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/OperationTermination/Control/ControlResult	Class representing the details of the outcome of the control performed by the customs officer	
⊢ Result, coded	ObligationGuarantee/TransitOperation/OperationTermination/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/OperationTermination/TransitOperationTerminationOffice	Class representing the details of the customs office where the TIR operation is terminated	
⊢ Identifier	ObligationGuarantee/TransitOperation/OperationTermination/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

**(b) I12 – Termination results**

Table 15

**I12 – field details**

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
└ Message function, coded	Function	R	1..1	n..2	CL16		
└ Original Message Identifier	FunctionalReferenceID	R	1..1	an..70			
└ Message identifier	ID	R	1..1	an..70			
└ Type, coded	TypeCode	R	1..1	an..3	CL26		
└ 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				
└ Status, coded	ObligationGuarantee/StatusCode	R	1..1	an..3	CL22		
└ Reference	ObligationGuarantee/ReferenceID	R	1..1	an..35			
└ TIROPERATION	ObligationGuarantee/TransitOperation	R	1..1				
└ Sequence number	ObligationGuarantee/TransitOperation/SequenceNumeric	R	1..1	n..5			
└ Registration number	ObligationGuarantee/TransitOperation/RegistrationID	R	1..1	an..35			
└ TERMINATION	ObligationGuarantee/TransitOperation/OperationTermination	R	1..1				
└ End date time	ObligationGuarantee/TransitOperation/OperationTermination/InspectionEnd DateTime	R	1..1	an..35			
└ HOLDER	ObligationGuarantee/Principal	R	1..1				
└ Identifier	ObligationGuarantee/Principal/ID	R	1..1	an..35			

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Status</i>	<i>Cardinality</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>
└─ AUTHORIZATION	ObligationGuarantee/Principal/AuthorizationCertificate	R	1..1				
└─ Status, coded	ObligationGuarantee/Principal/AuthorizationCertificate/StatusCode	R	1..1	an..3	CL23		
└─ ACTIVEWITHDRAWAL	ObligationGuarantee/Principal/AuthorizationCertificate/AuthorizationWithd rawal	O	0..1				
└─ Start date	ObligationGuarantee/Principal/AuthorizationCertificate/AuthorizationWithd rawal/EffectiveDateTime	R	1..1	an..35			
└─ End date	ObligationGuarantee/Principal/AuthorizationCertificate/AuthorizationWithd rawal/ExpirationDateTime	O	0..1	an..35			
└─ ACTIVEEXCLUSION	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion	O	0..*				
└─ Start date	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion/Effective DateTime	R	1..1	an..35			
└─ End date	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion/Expiratio nDateTime	O	0..1	an..35			
└─ Country, coded	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion/CountryC ode	R	1..1	a2	CL04		

Table 16  
**I12 – field descriptions and usages**

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Description</i>	<i>Usage</i>
└─ Message function, coded	Function	Code describing the function of the message	The value should be "44" (Accepted without reserves) if the request was processed correctly. If at least one error is described in this message, the value should be "27" (Not accepted)
└─ 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 (I11)
└─ 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 "I12"
└─ ERROR	Error	Class representing the list of errors, if any	

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
⊢ 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	
⊢ 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
⊢ TIROPERATION	ObligationGuarantee/TransitOperation	Class representing the TIR operation that is being terminated	
⊢ 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 of the TIR operation
⊢ TERMINATION	ObligationGuarantee/TransitOperation/OperationTermination	Class representing the details related to the termination of the TIR operation	
⊢ End date time	ObligationGuarantee/TransitOperation/OperationTermination/InspectionEndTime	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: 20200820145600+0100 represents 20 August 2020 at 14:56 UTC+01:00.
⊢ HOLDER	ObligationGuarantee/Principal	Class representing the holder (transporter) of this transport	
⊢ 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)
⊢ 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)

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
└─ 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**

20. The eTIR international system will return whether there were errors while processing the request message by filling in the Error list. Therefore, and as for all response messages expected from the eTIR international system, the first step when parsing the “I12 – Termination 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.

21. If there was no error, and the response message content is as expected, the next step for the national customs systems is to discharge the TIR operation by sending the “I13 – Discharge TIR operation” message to the eTIR international system.

---