UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE

eTIR web services – Messages I11-I12
I11 - Terminate TIR operation / I12 - Termination results

eTIR

UNECE

Table of Contents

1. Document revision note

This document has been published on **07/01/2021**, and is valid for the **eTIR international system version 1.0** based on the **eTIR specifications version 4.3a**.

Please ensure you get the latest version of this document from the eTIR documentation portal or contact the eTIR service desk (Support and contact).

2. Related documents

Project documents and collaboration platform

- eTIR documentation portal: https://wiki.unece.org/display/ED/eTIR+documentation+-+Homepage
- Project guidelines for customs to connect to the eTIR international system : https://wiki.unece.org/download/attachments/106299939/Project%20Guidelines%20for%20customs%20to%20connect%20to%20the%20eTIR%20international%20system.pdf
- eTIR web services - Introduction document: https://wiki.unece.org/download/attachments/106299935/eTIR%20web%20services%20-%20Introduction%20document.pdf
- eTIR web services - Messages I1-I2: I1 - Accept guarantee / I2 - Acceptance results https://wiki.unece.org/download/attachments/106299935/eTIR-IS-I1-I2-messages-documentation.pdf
- eTIR web services - Messages I5-I6: I5 - Query guarantee / I6 - Query results https://wiki.unece.org/download/attachments/106299935/eTIR-IS-I5-I6-messages-documentation.pdf
- eTIR web services - Messages I7-I8: I7 - Record declaration data / I8 - Record declaration data results https://wiki.unece.org/download/attachments/106299935/eTIR-IS-I7-I8-messages-documentation.pdf
- eTIR web services - Messages I9-I10: I9 - Start TIR operation / I10 - Start results https://wiki.unece.org/download/attachments/106299935/eTIR-IS-I9-I10-messages-documentation.pdf
- eTIR web services - Messages I13-I14: I13 - Discharge TIR operation / I14 - Discharge results https://wiki.unece.org/download/attachments/106299935/eTIR-IS-I13-I14-messages-documentation.pdf

Legal framework

- TIR Convention handbook: https://unece.org/transport/publications/tir-handbook-0
- Annex 11 to the TIR Convention: http://www.unece.org/fileadmin/DAM/trans/bcf/ac2/documents/2020/ECE-TRANS-WP30-AC2-147e.pdf#page=12

eTIR specifications

- Introduction to the eTIR conceptual, functional and technical v4.2: http://www.unece.org/fileadmin/DAM/trans/bcf/adhoc/conc_tech/documents/id17-05e.pdf
- eTIR concepts v4.2: http://www.unece.org/fileadmin/DAM/trans/bcf/adhoc/conc_tech/documents/id17-06e.pdf
- eTIR Functional specifications v4.2: http://www.unece.org/fileadmin/DAM/trans/bcf/adhoc/conc_tech/documents/id17-07e.pdf

- Approved amendments to the eTIR specifications v4.2 to prepare v4.3: http://www.unece.org/fileadmin/DAM/trans/bcf/wp30/documents/2020/ECE-TRANS-WP30-2020-07e.pdf

Additional resources

- eTIR XML schemas: https://wiki.unece.org/display/ED/Technical+artefacts
- eTIR code lists: https://www.unece.org/fileadmin/DAM/trans/bcf/eTIR/documents/CodeLists0_4.pdf
- List of eTIR focal points: https://unece.org/list-etir-focal-points

3. Purpose

This document describes the **I11 - Terminate TIR operation** request message, and the **I12 - Termination results** response message of the eTIR international system web services. It provides all the specifics required to use them (prepare or receive), explains how and when they should be used and explains the error codes that may be returned. It also contains examples and fallback procedures, if applicable.

4. Target audience

This guide is intended for the customs authorities ICT teams in charge of interconnecting their national customs systems to the eTIR international system.

5. Prerequisites

In order to ensure an implementation that delivers the best value and services to the customs authorities, we recommend for the ICT team in charge of establishing the connection to the eTIR international system web services to be accompanied by a TIR subject matter expert.

This document is to be read after having an understanding of the eTIR concepts and having read the eTIR functional specifications. It is highly recommended keeping the eTIR web services introduction document at hand as the current document refers to many elements and diagrams available in that document.

From a technical perspective, the following steps should have been completed at this point:

- A secured connection to the User Acceptance Testing (UAT) environment of the eTIR international system is established;
- The endpoint URL to the UAT environment is clearly identified and properly configured in the national customs systems;
- All the actions mentioned in the prerequisites section of the eTIR web services introduction document are performed;
- All the tools required to prepare, receive, test and troubleshoot the messages are ready.
- eTIR web services - Messages I1-I2 should have been implemented and tested.
- eTIR web services - Messages I7-I8 should have been implemented and tested.
- eTIR web services - Messages I9-I10 should have been implemented and tested.
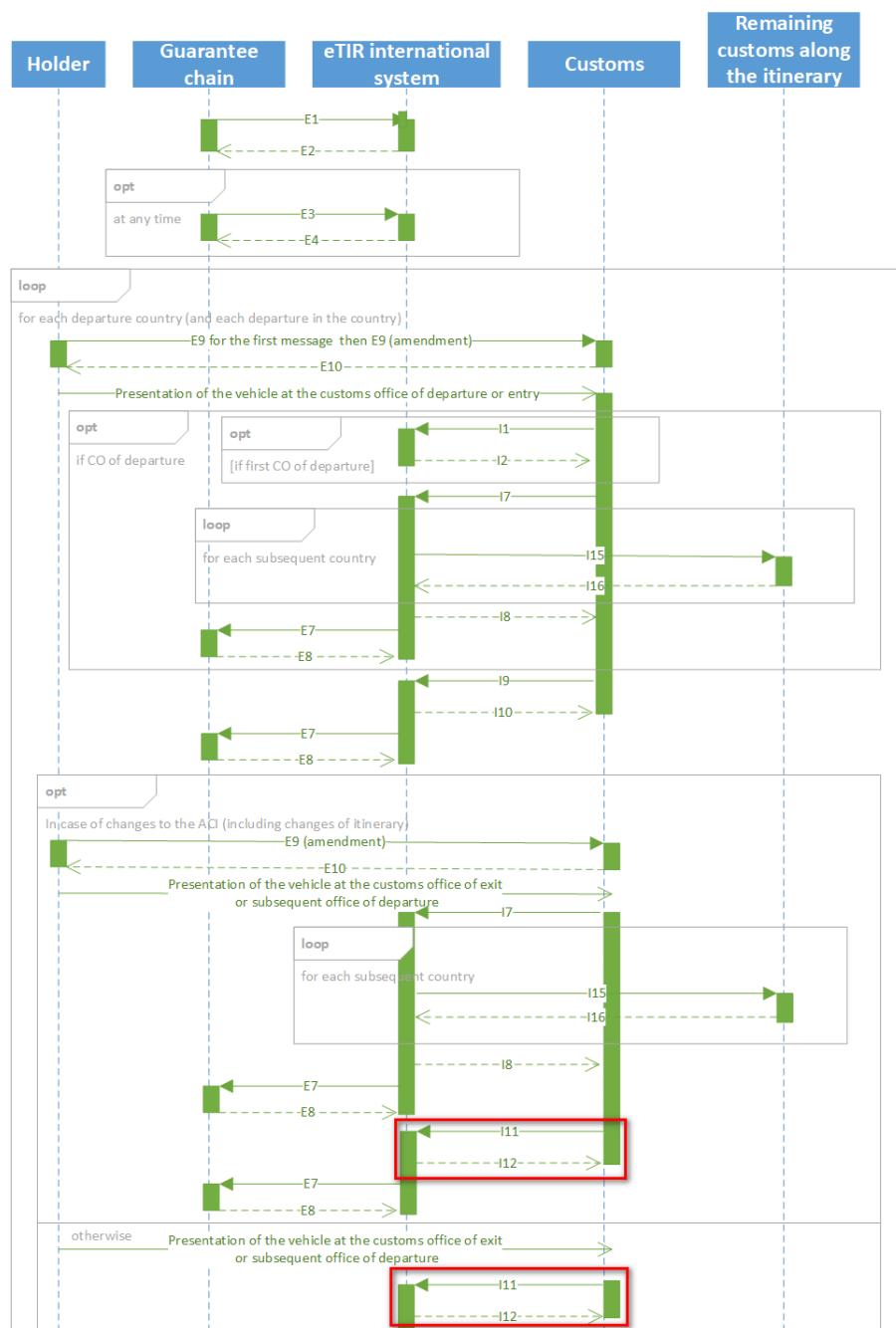
All eTIR messages are identified and belong to a flow described in the eTIR sequence diagrams section of the eTIR web services introduction document. It is key to respect this sequencing, otherwise the eTIR international system will return errors due to invalid sequencing of the messages as described in the dedicated eTIR error code web page.

6. "I11 - Terminate TIR operation" / "I12 - Termination results" messages
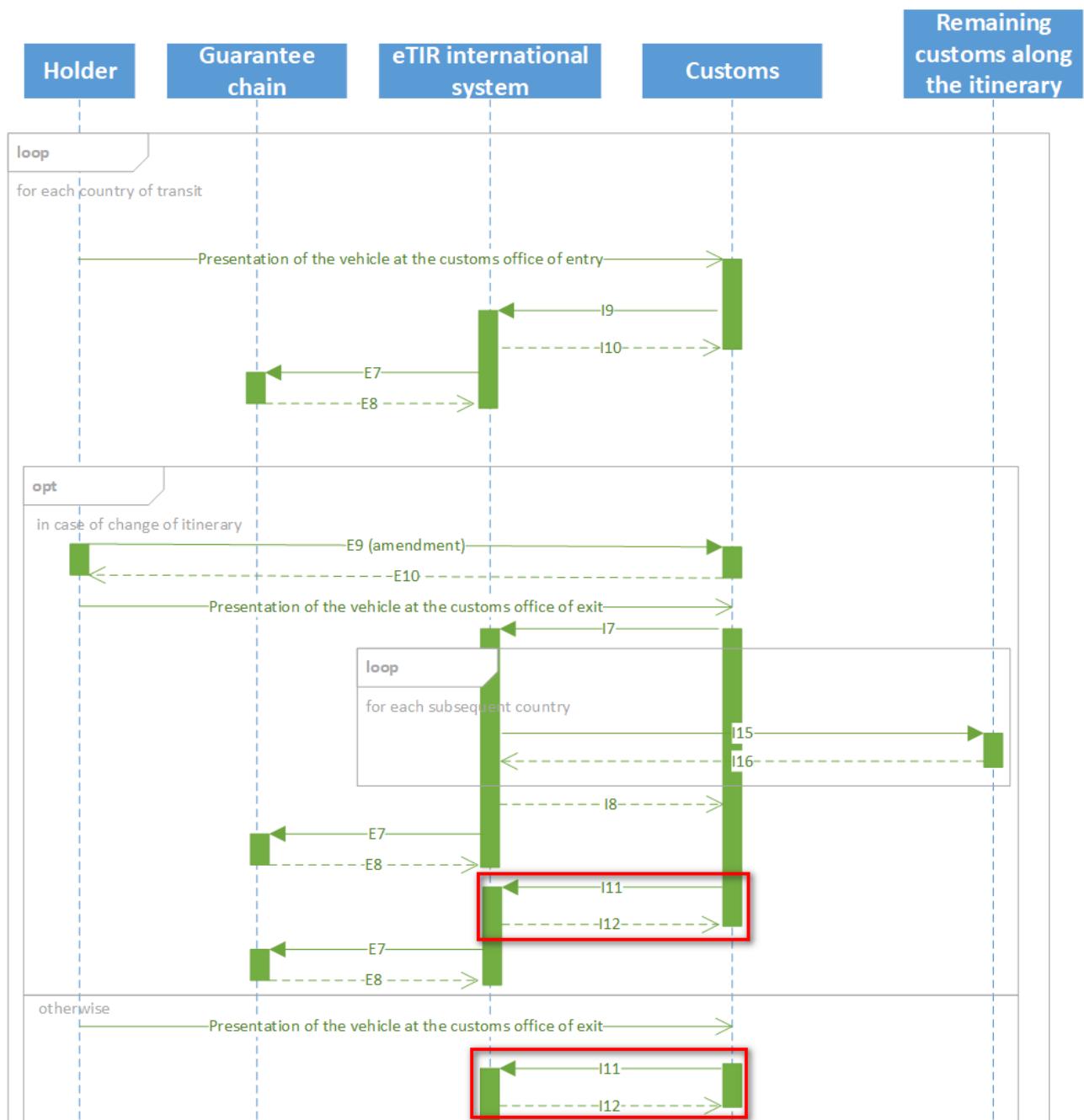
6.1. Sequence diagram

The following sequence diagrams highlight the role and sequence position of the **I11 - Terminate TIR operation** and **I12 - Termination results** messages in the context of TIR departure, TIR transit or TIR destination operations.
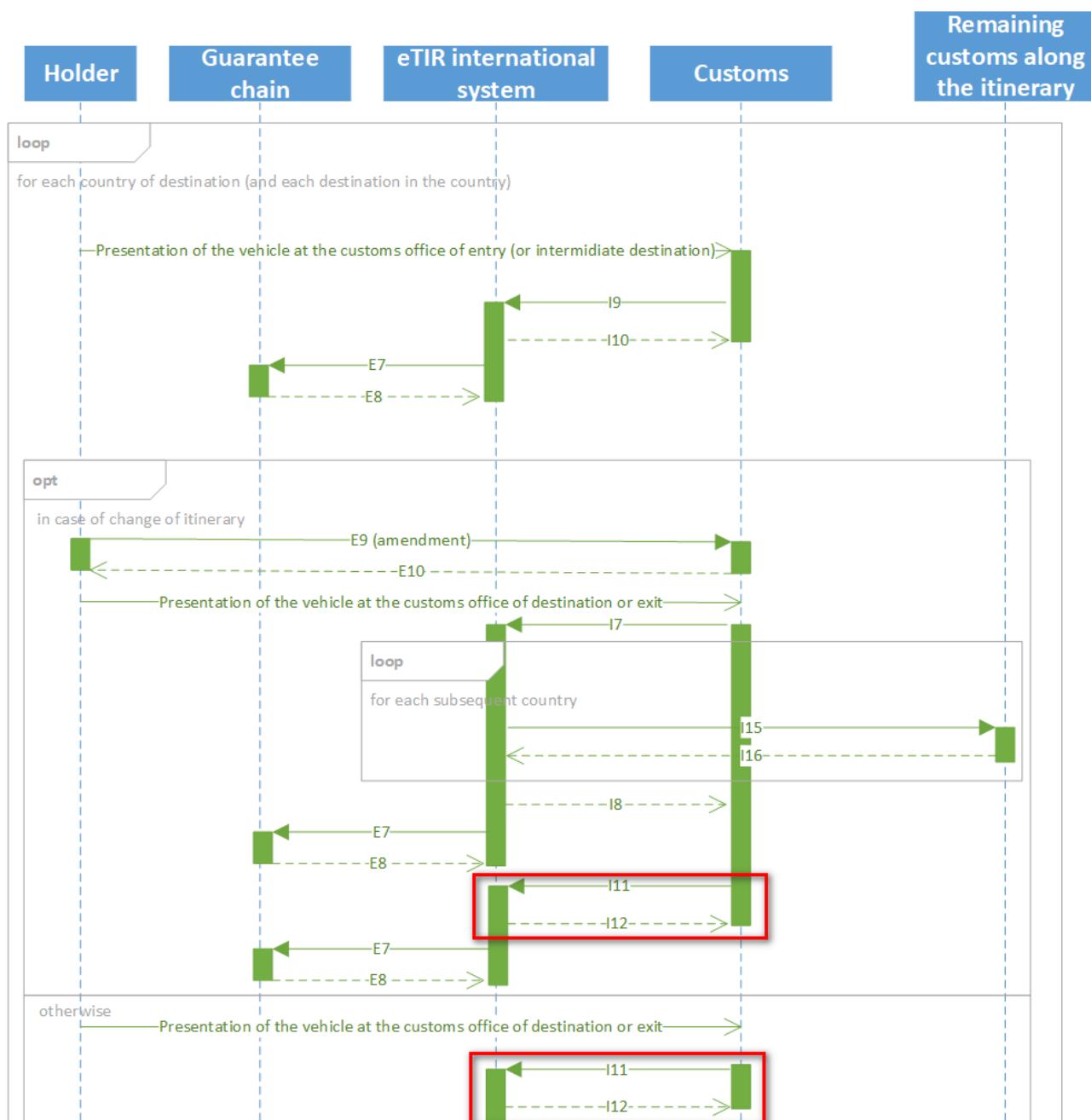
6.1.1. Departure

6.1.2. Transit

6.1.3. Destination

The full eTIR sequence diagrams (Departure, Transit and Destination) are available in the dedicated section of the eTIR web services introduction document.

6.2. Message context

The **I11 - Terminate TIR operation** is mandatory to terminate (to be understood here as "complete" or "finish") a TIR operation and should be triggered upon presentation of the road vehicle, the combination of vehicles or the container at the customs office of exit or customs office of destination.

Please refer to the eTIR web services introduction document section dedicated to TIR transport and TIR operations if you need clarifications on those concepts that are key to implement this eTIR message pair.

6.2.1. Message prerequisites

In order for this message to be properly interpreted by the eTIR international system, the following messages should have been exchanged before this one:

- **E1 - Register guarantee** and **E2 – Registration results** (between the Guarantee chain and the eTIR international system): the eGuarantee that was purchased by the holder must be firstly registered by the guarantee chain to the eTIR international system so it is known and usable in the system.

- **E9 - Advance TIR data** and **E10 - Advance TIR data results** (between the TIR Carnet holder and the national customs system): the holder will send to the customs office of departure the advance TIR data that acts as the pre-declaration for the transport.

- **I1 - Accept guarantee** and **I2 - Acceptance results** (between the national customs system and the eTIR international system): the customs office of departure will have sent to the eTIR international system its acceptance of the guarantee for the transport.

- **I7 - Record declaration data** and **I8 - Record declaration data results** (between the national customs system and the eTIR international system): the customs office of departure will have sent to the eTIR international system the declaration data of the transport.

- **I9 - Start TIR operation** and **I10 - Start results** (between the national customs system and the eTIR international system): the customs office of departure will have sent to the eTIR international system the information about the seals and that the transport has started a TIR operation.

6.2.2. Endpoint URL

The URL of the endpoint to use when sending the I11 - Terminate TIR operation request message is: **https://etir-uat-01.unece.org/etir/v4.3/customs/terminateTIROperation**

Also note that the WSDL can be accessed at the following URL: **https://etir-uat-01.unece.org/etir/v4.3/customs/terminateTIROperation?wsdl**

6.3. "I11 - Terminate TIR operation" request message

6.3.1. Description

The national customs systems sends the **I11 - Terminate TIR operation** request message to the eTIR international system informing about the termination of a TIR operation.

The XSD file related to the **I11 - Terminate TIR operation** message is available at the following URL: https://wiki.unece.org/download/attachments/106299941/WCO_eTIR_I11_1.xsd.

6.3.2. Field list

eTIR field name	Mapping to the XML element (XPATH)	Mandatory	Format	Code lists	Conditions	Rules	WCO ID
MESSAGE							75B
├ Message function, coded	Function	R	n..2	CL16			017
├ Message identifier	ID	R	an..70				D014
├ Type, coded	TypeCode	R	an..3	CL26			D013
└┬ GUARANTEE	ObligationGuarantee	R					90A
├ Reference	ObligationGuarantee/ReferenceID	R	an..35				100
└┬ TIROPERATION	ObligationGuarantee/TransitOperation	R					78B
├ Sequence number	ObligationGuarantee/TransitOperation/SequenceNumeric	R	n..5				006
├ Registration number	ObligationGuarantee/TransitOperation/RegistrationID	R	an..35				443
└┬ TERMINATION	ObligationGuarantee/TransitOperation/OperationTermination	R					84B
├ End date	ObligationGuarantee/TransitOperation/OperationTermination/InspectionEndDateTime	R	an..35				356
├ Number of packages	ObligationGuarantee/TransitOperation/OperationTermination/PackageQuantityQuantity	R	n..8				144
├ Termination type, coded	ObligationGuarantee/TransitOperation/OperationTermination/TypeCode	R	an..3	CL27			515
├┬ ADDITIONALINFORMATION	ObligationGuarantee/TransitOperation/OperationTermination/AdditionalInformation	O					03A
│ └ Reservations	ObligationGuarantee/TransitOperation/OperationTermination/AdditionalInformation/Content	R	an..512				105
├┬ CONSIGNMENT	ObligationGuarantee/TransitOperation/OperationTermination/Consignment	O				R006, R007	28A

eTIR field name	Mapping to the XML element (XPATH)	Mandatory	Format	Code lists	Conditions	Rules	WCO ID
| ├ Sequence number	ObligationGuarantee/TransitOperation/OperationTerminati on/Consignment/SequenceNumeric	R	n..5				006
| └┬ TRANSPORTEQUIPMENT	ObligationGuarantee/TransitOperation/OperationTerminati on/Consignment/TransportEquipment	R					31B
| ├ Identification	ObligationGuarantee/TransitOperation/OperationTerminati on/Consignment/TransportEquipment/ID	R	an..17				159
| └┬ SEAL	ObligationGuarantee/TransitOperation/OperationTerminati on/Consignment/TransportEquipment/Seal	R					44B
| ├ Sequence number	ObligationGuarantee/TransitOperation/OperationTerminati on/Consignment/TransportEquipment/Seal/SequenceNumeric	R	n..5			R003, R004	006
| ├ Seal number	ObligationGuarantee/TransitOperation/OperationTerminati on/Consignment/TransportEquipment/Seal/ID	R	an..35			R006	165
| └ Seal type, coded	ObligationGuarantee/TransitOperation/OperationTerminati on/Consignment/TransportEquipment/Seal/TypeCode	O	an..3	CL08			407
├┬ CONTROL	ObligationGuarantee/TransitOperation/OperationTerminati on/Control	R					38A
| ├ Control type, coded	ObligationGuarantee/TransitOperation/OperationTerminati on/Control/TypeCode	R	an..3	CL25			449
| └┬ CONTROLRESULT	ObligationGuarantee/TransitOperation/OperationTerminati on/Control/ControlResult	R					83B
| └ Control Result, coded	ObligationGuarantee/TransitOperation/OperationTerminati on/Control/ControlResult/ID	R	an..3	CL24			444
└┬ CUSTOMSOFFICE	ObligationGuarantee/TransitOperation/OperationTerminati on/TransitOperationTerminationOffice	R					85B
└ Customs office, coded	ObligationGuarantee/TransitOperation/OperationTerminati on/TransitOperationTerminationOffice/ID	R	an..17				G010

6.3.3. Field descriptions

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
MESSAGE			
├ 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 "I11"

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
└─ 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/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	ObligationGuarantee/TransitOperation/OperationTermination/InspectionEndDateTime	Date and time when the TIR operation has just been terminated	The value should be a date to be provided following the EDIFACT 208 format CCYYMMDDHHMMSSZHHMM (http://www.unece.org/trade/untdid/d13b/tred/tred2379.htm). For Example: 20200820145600+0100 represents 20 August 2020 at 14:56 UTC+01:00.
├ Number of packages	ObligationGuarantee/TransitOperation/OperationTermination/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/OperationTermination/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 list Termination type code (eTIR)
└─ ADDITIONALINFORMATION	ObligationGuarantee/TransitOperation/OperationTermination/AdditionalInformation	Class representing potential additional information regarding the termination of the TIR operation	
│ └ Reservations	ObligationGuarantee/TransitOperation/OperationTermination/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/OperationTermination/Consignment	Class representing potential parent object grouping detailks about all transport equipments and related seals information	
│ ├ Sequence number	ObligationGuarantee/TransitOperation/OperationTermination/Consignment/SequenceNumeric	Index of the consignment in the list	The value should be the 1-based index of the consignment in the list
│ └─ TRANSPORTEQUIPMENT	ObligationGuarantee/TransitOperation/OperationTermination/Consignment/TransportEquipment	Class representing the list of all transport equipments used for all consignments in the TIR operation	
│ ├ Identification	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

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
└┬ SEAL	ObligationGuarantee/TransitOperation/OperationTerminati on/Consignment/TransportEquipment/Seal	Class representing the list of seals affixed to the transport equipment	
├ Sequence number	ObligationGuarantee/TransitOperation/OperationTerminati on/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/OperationTerminati on/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/OperationTerminati on/Consignment/TransportEquipment/Seal/TypeCode	Code of the type of seal	The value should be the code of the type of seal from the list Seal type code (eTIR) (https://www.unece.org/fileadmin/DAM/ trans/bcf/eTIR/documents/CodeLists0_4.pdf# page=109)
├┬ CONTROL	ObligationGuarantee/TransitOperation/OperationTerminati on/Control	Class representing the details of the control performed by the customs officer while terminating the TIR operation	
├ Control type, coded	ObligationGuarantee/TransitOperation/OperationTerminati on/Control/TypeCode	Code of the type of control	The value should be the code of the type of control from the list Control type code (eTIR)
└┬ CONTROLRESULT	ObligationGuarantee/TransitOperation/OperationTerminati on/Control/ControlResult	Class representing the details of the outcome of the control performed by the customs officer	
└ Control Result, coded	ObligationGuarantee/TransitOperation/OperationTerminati on/Control/ControlResult/ID	Code of the result of the control	The value should be the code of the result of the control from the list Control result code (eTIR)
└┬ CUSTOMSOFFICE	ObligationGuarantee/TransitOperation/OperationTerminati on/TransitOperationTerminationOffice	Class representing the details of the customs office where the TIR operation is terminated	
└ Customs office, coded	ObligationGuarantee/TransitOperation/OperationTerminati on/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

⚠ When reading the values of the second columns for both tables, note that the "InterGov/" XML base element has been removed to improve the readability, as it is repeated on every line.

6.3.4. Referred code lists

The following code lists are referred to in the field lists and should be considered when sending the message:

- CL08 - Seal type code (eTIR)
- CL16 - Message function code (UN/EDIFACT 1225)
- CL24 - Control result code (eTIR)
- CL25 - Control type code (eTIR)
- CL26 - Message types (eTIR)
- CL27 - Termination type code (eTIR)

> ⓘ　　All code lists are described in the eTIR code lists document.

6.3.5. Conditions and Rules

The following rules of the eTIR rules list are referred to in the field lists and should be considered in the message:

- **R003:** *Re-use a sequence number to indicate that a seal has been replaced.*
- **R004:** *Use new sequence number only to mention additional seals.*
- **R006:** *Mandatory in case the seals have been changed, added or removed.*
- **R007:** *In case of multiple consignments all transport equipment used must be listed only under the first consignment.*

6.3.6. Example

The example below shows the XML data to be sent via POST method to the endpoint URL to record the termination (to be understood here as the "completion" or "end") of the TIR operation **16FRA3503000051123** related to the guarantee **XF95001234** issued by the guarantee chain **IRU** on the date of **2001-01-01** at the customs office **FR0**. Note that the holder value is not provided here as this field is not mandatory.

I11 - Terminate TIR operation request message

```xml
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
               xmlns:cus="etir:v4.3:customs"
               xmlns:urn="etir:I11:v4.3"
               xmlns:urn1="etir:MetaData_DS:v4.3">
    <soap:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
        <?xml version="1.0" encoding="UTF-8"?>
        (...)
        <wsa:Action>etir:v4.3:customs/terminateTIROperation</wsa:Action>
        <wsa:MessageID>uuid:ec4f70e1-0f8d-4179-8689-cc80d5918493</wsa:MessageID>
        (...)
    </soap:Header>
    <soap:Body xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
               wsu:Id="id-cec07e80-e630-478f-a616-52add0847973">
        <cus:terminateTIROperation>
            <urn:InterGov>
                <urn:FunctionCode>9</urn:FunctionCode>
                <urn:ID>b3b176ec-7cd9-4c43-8b34-a721fe6f1abe</urn:ID>
                <urn:TypeCode>I11</urn:TypeCode>
                <urn:ObligationGuarantee>
                    <urn:ReferenceID>XF95001234</urn:ReferenceID>
                    <urn:TransitOperation>
                        <urn:SequenceNumeric>0</urn:SequenceNumeric>
                        <urn:RegistrationID>16FRA3503000051123</urn:RegistrationID>
                        <urn:OperationTermination>
                            <urn1:PackageQuantityQuantity>1</urn1:PackageQuantityQuantity>
                            <urn1:InspectionEndDateTime formatCode="208">20201122113346+0200
                            </urn1:InspectionEndDateTime>
                            <urn1:Control>
                                <urn1:TypeCode>001</urn1:TypeCode>
                                <urn1:ControlResult>
                                    <urn1:ID>0</urn1:ID>
                                </urn1:ControlResult>
                            </urn1:Control>
                            <urn1:TransitOperationTerminationOffice>
                                <urn1:ID>FR0</urn1:ID>
                            </urn1:TransitOperationTerminationOffice>
                        </urn:OperationTermination>
                    </urn:TransitOperation>
                </urn:ObligationGuarantee>
            </urn:InterGov>
        </cus:terminateTIROperation>
    </soap:Body>
</soap:Envelope>
```

⚠️ Some field original contents have been shortened (…) in this document for the sake of readability, in particular the whole **header/security** content that is described in the eTIR web services introduction document.

6.4. "I12 - Termination results" response message

6.4.1. Description

The eTIR international system sends back the **I12 - Termination results** response message to the national customs systems to confirm the correct reception and recording of the termination of a TIR operation.

The XSD file related to the **I12 - Termination results** message is available at the following URL: https://wiki.unece.org/download/attachments/106299941/WCO_eTIR_I12_1.xsd.

6.4.2. Field list

eTIR field name	Mapping to the XML element (XPATH)	Mandatory	Format	Code lists	Conditions	Rules	WCO ID
MESSAGE							75B
├ Message function, coded	Function	R	n..2	CL16			017
├ Functional reference	FunctionalReferenceID	R	an..70				D026
├ Message identifier	ID	R	an..70				D014
├ Type, coded	TypeCode	R	an..3	CL26			D013
├┬ ERROR	Error	D			C006		53A
│ ├ Error, coded	Error/ValidationCode	R	an..8	CL99			377
│ └┬ POINTER	Error/Pointer	R					97A
│ ├ Sequence number	Error/Pointer/SequenceNumeric	R	n..5				006
│ └ Location	Error/Pointer/Location	R	an..512				512
└┬ GUARANTEE	ObligationGuarantee	R					90A
├ Guarantee status, coded	ObligationGuarantee/StatusCode	R	an..3	CL22			019
├ Reference	ObligationGuarantee/ReferenceID	R	an..35				100
├┬ TIROPERATION	ObligationGuarantee/TransitOperation	R					78B
│ ├ Sequence number	ObligationGuarantee/TransitOperation/SequenceNumeric	R	n..5				006
│ ├ Registration number	ObligationGuarantee/TransitOperation/RegistrationID	R	an..35				443
│ └┬ TERMINATION	ObligationGuarantee/TransitOperation/OperationTermination	R					84B
│ └ End date	ObligationGuarantee/TransitOperation/OperationTermination/InspectionEndDateTime	R	an..35				356
└┬ HOLDER	ObligationGuarantee/Principal	R					28B
├ Code	ObligationGuarantee/Principal/ID	R	an..35				R002

eTIR field name	Mapping to the XML element (XPATH)	Mandatory	Format	Code lists	Conditions	Rules	WCO ID
└─ AUTHORIZATION	ObligationGuarantee/Principal/AuthorizationCertificate	R					88B
├ Current status, coded	ObligationGuarantee/Principal/AuthorizationCertificate/StatusCode	R	an..3	CL23			445
├─ ACTIVEWITHDRAWAL	ObligationGuarantee/Principal/AuthorizationCertificate/AuthorizationWithdrawal	O					90B
│ ├ Start date	ObligationGuarantee/Principal/AuthorizationCertificate/AuthorizationWithdrawal/EffectiveDateTime	R	an..35				276
│ └ End date	ObligationGuarantee/Principal/AuthorizationCertificate/AuthorizationWithdrawal/ExpirationDateTime	O	an..35				275
└─ ACTIVEEXCLUSION	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion	O					89B
├ Start date	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion/EffectiveDateTime	R	an..35				276
├ End date	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion/ExpirationDateTime	O	an..35				275
└ Country, coded	ObligationGuarantee/Principal/AuthorizationCertificate/Exclusion/CountryCode	R	a2	CL04			447

6.4.3. Field descriptions

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
MESSAGE			
├ 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)
├ Functional reference	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	
│ ├ Error, coded	Error/ValidationCode	Code of the error type	The value should be the code of the error from the list Error code (eTIR)

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
| └─ POINTER	Error/Pointer	Class representing the pointer to the erroring 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 erroring field	The value should be the location of the error 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	
├ Guarantee status, coded	ObligationGuarantee/StatusCode	Current status of the guarantee	The value should be the code of the status of the guarantee from the 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	ObligationGuarantee/TransitOperation/OperationTermination/InspectionEndDateTime	Date and time when the TIR operation has been terminated	The value should be a date to be provided following the EDIFACT 208 format CCYYMMDDHHMMSSZHHMM (http://www.unece.org/trade/untdid/d13b/tred/tred2379.htm). For Example: 20200820145600+0100 represents 20 August 2020 at 14:56 UTC+01:00.
└─ HOLDER	ObligationGuarantee/Principal	Class representing the TIR Carnet holder (transporter) of this transport	
├ Code	ObligationGuarantee/Principal/ID	Unique identifier of the TIR Carnet holder	The value should be the unique identifier of the TIR Carnet holder as recorded in the International TIR Data Bank (ITDB)
└─ AUTHORIZATION	ObligationGuarantee/Principal/AuthorizationCertificate	Class representing the details related to the authorization of the TIR Carnet holder in the TIR system	
├ Current status, coded	ObligationGuarantee/Principal/AuthorizationCertificate/StatusCode	Code of the current authorization status of the TIR Carnet holder	The value should be the code of the current authorization status of the TIR Carnet holder from the list Holder status (eTIR)

eTIR field name	Mapping to the XML element (XPATH)	Description	Usage
⊢─ ACTIVEWITHDRAWAL	ObligationGuarantee/Principal/AuthorizationCertificate/ AuthorizationWithdrawal	Class representing the details related to a potential withdrawal of the TIR Carnet holder from the TIR system	
| ⊢ Start date	ObligationGuarantee/Principal/AuthorizationCertificate/ AuthorizationWithdrawal/EffectiveDateTime	Start date of the withdrawal of the TIR Carnet holder from the TIR system	The value should be a date to be provided following the EDIFACT 102 format CCYYMMDD (https://www.unece.org/trade/ untdid/d00a/tred/tred2379.htm). For Example: 20200820 represents 20 August 2020.
| └ End date	ObligationGuarantee/Principal/AuthorizationCertificate/ AuthorizationWithdrawal/ExpirationDateTime	End date of the withdrawal of the TIR Carnet holder from the TIR system	The value should be a date to be provided following the EDIFACT 102 format CCYYMMDD (https://www.unece.org/trade/ untdid/d00a/tred/tred2379.htm). For Example: 20200820 represents 20 August 2020.
└── ACTIVEEXCLUSION	ObligationGuarantee/Principal/AuthorizationCertificate/ Exclusion	Class representing the list of potential exclusions of the TIR Carnet 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 TIR Carnet 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 (https://www.unece.org/trade/ untdid/d00a/tred/tred2379.htm). For Example: 20200820 represents 20 August 2020.
⊢ End date	ObligationGuarantee/Principal/AuthorizationCertificate/ Exclusion/ExpirationDateTime	End date of the exclusion of the TIR Carnet 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 (https://www.unece.org/trade/ untdid/d00a/tred/tred2379.htm). For Example: 20200820 represents 20 August 2020.
└ Country, coded	ObligationGuarantee/Principal/AuthorizationCertificate/ Exclusion/CountryCode	Code of the country in which the TIR Carnet holder is excluded	The value should be the code of the country in which the TIR Carnet holder is excluded from the list Country name code (ISO 3166-1-alpha-2)

⚠ When reading the values of the second columns for both tables, note that the "InterGov/" XML base element has been removed to improve the readability, as it is repeated on every line.

6.4.4. Referred code lists

The following code lists are referred to in the field lists and should be considered when sending the message:

- CL04 - Country name code (ISO 3166-1-alpha-2)
- CL16 - Message function code (UN/EDIFACT 1225)
- CL22 - Guarantee status (eTIR)
- CL23 - Holder status (eTIR)
- CL26 - Message types (eTIR)
- CL99 - Error code (eTIR)

> ℹ️   All code lists are described in the eTIR code lists document.

6.4.5. Conditions and Rules

The following conditions of the eTIR conditions list are referred to in the field lists and should be considered in the message:

- **C006:** IF(MESSAGE.Message function, coded) = '6' OR '11' OR '44' OR '45'
  THEN EMPTY(ERROR)
  ELSE
  IF(MESSAGE.Message function, coded) = '10' OR '27'
  THEN NOT EMPTY(ERROR)

6.4.6. How to use response data in the national customs systems

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 of the Introduction document.

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.

6.4.7. Applicable error codes

As the eTIR international system may return error codes, the eTIR web services introduction document contains a dedicated section describing how and where to find those error codes in the response messages. Find below the list of error codes that may be returned as part of the **I12 - Termination results** response message as well as the recommended actions to address them:

100 - Invalid Message

Kindly check the message itself and its format as it is not recognized by the eTIR international system.

101 - Missing Parameter

Kindly check the message parameters, in particular the parameters marked as mandatory in the message description section of this document, and make sure that all mandatory parameters are part of the message.

102 - Invalid Domain Value Parameter

Kindly check the coded parameter, its values and corresponding code lists. Make sure that each coded parameter is using one of the values of the corresponding code list.

103 - Malformed Date

Kindly check the date parameters and their format. Make sure that each date format has the format indicated and that the value follows the format/pattern.

105 - Parameter length exceeded

Kindly check the parameter value lengths. Make sure that each parameter length does not exceed the max length as defined in the documentation in the Format column.

200 - Invalid State

Kindly check the state of the referred object (transport, guarantee, …) and make sure it is consistent with the eTIR international system requested web service called.

211 - Operation already terminated

This message tries to terminate a TIR operation which has already been terminated. Make sure that this message is not a duplicate of a previously sent message and verify the values set in its parameters.

213 - Operation not yet started

This message tries to perform an operation on a TIR operation which should be started and that is not yet started. Make sure that this message is sent in the right order and verify the values set in its parameters.

299 - Duplicate message

Kindly check the message already sent to this endpoint as this message has already been received by the eTIR international system.

300 - Invalid Operation

Kindly check the message content as it triggered a technical error in the eTIR international system but this one could not identify the source of the issue.

301 - Guarantee not found

Kindly check the value of the guarantee reference ID in the message and make sure it matches the value received in previous messages.

302 - Guarantee chain not found

Kindly check the value of the guarantee chain ID in the message and make sure it matches the value received in previous messages.

303 - Guarantee type not found

Kindly check the value of the guarantee type in the message and make sure it belongs to the Guarantee type code (eTIR) code list, and that it matches the value received in previous messages.

304 - Customs Office not found

Kindly check the format and value of the customs office ID in the message and make sure it matches the value received in previous messages. If it does, kindly check the existence of the customs office and its status using ITDB web service or ITDB web application.

305 - Country not found

Kindly check the value of the country code in the message and make sure it matches the value received in previous messages and that it belongs to the Country name code (ISO 3166-1-alpha-2)

code list (CL04).

306 - Control type not found

Kindly check the value of the control type in the message and make sure it matches the value received in previous messages and that it belongs to the Control type code (eTIR) code list (CL25).

321 - Holder not authorized

Kindly check the value of the TIR carnet holder in the message and make sure it matches the value received in previous messages. If it does, kindly check the status of the holder using either eTIR I3 message, ITDB web service or ITDB web application.

322 - Holder not found

Kindly check the value of the TIR carnet holder in the message and make sure it matches the value received in previous messages. If it does, kindly double check the id of the holder using either eTIR I3 message, ITDB web service or ITDB web application.

340 - Multiple operations found

(Instructions too to be provided soon. In the meantime, kindly contact eTIR service desk (see Support and contact).

400 - eTIR Problem

Kindly contact eTIR support (see Support and contact) sending the content of the message communicated, the timestamps and the steps to reproduce this issue in order to address this issue.

> ℹ️ The full list of error codes can be found on the dedicated error code list web page.

6.4.8. Example

The example below shows the XML data of the **I12 - Termination results** message received in response to the POST of the **I11 - Terminate TIR operation** message. This response message (Function code **44 - Accepted without reserves**) of the type **I12**, containing no error codes, describe a positive acknowledgment for the termination ("completion") of the TIR operation "16FRA3503000051123" related to the guarantee reference ID **XF95001234**, therefore it should be considered that the termination of the TIR operation has been duly recorded in the eTIR international system.

> ℹ️ It is important to understand that the absence of error in the I12 - Termination results response message is the key indicator to reflect that the TIR operation termination is accepted.

I12 - Termination results response message

```xml
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope">
  <soap:Header>
    (...)
    <Action xmlns="http://www.w3.org/2005/08/addressing"
            xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
            wsu:Id="id-(...)">etir:v4.3:customs/CustomsSEI/terminateTIROperationResponse</Action>
    (...)
  </soap:Header>
  <soap:Body xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id=
"id-546b0802-ea6d-45e4-ad0f-67ab9d299e7f">
    <ns2:terminationResults xmlns:ns2="etir:v4.3:customs"
                            xmlns="etir:I5:v4.3"
                            xmlns:ns12="etir:I12:v4.3">
      <ns12:InterGov>
        <ns12:FunctionCode>44</ns12:FunctionCode>
        <ns12:FunctionalReferenceID>b3b176ec-7cd9-4c43-8b34-a721fe6f1abe</ns12:FunctionalReferenceID>
        <ns12:ID>6e5abd6c-b6d0-43d9-9e1f-993a13c6909e</ns12:ID>
        <ns12:TypeCode>I12</ns12:TypeCode>
        <ns12:ObligationGuarantee>
          <ns12:StatusCode>002</ns12:StatusCode>
          <ns12:ReferenceID>XF95001234</ns12:ReferenceID>
          <ns12:TransitOperation>
            <ns12:SequenceNumeric>0</ns12:SequenceNumeric>
            <ns12:RegistrationID>16FRA3503000051123</ns12:RegistrationID>
            <ns12:OperationTermination>
              <ns12:InspectionEndDateTime>20201122113346+0200</ns12:InspectionEndDateTime>
            </ns12:OperationTermination>
          </ns12:TransitOperation>
          <ns12:Principal>
            <ns12:ID>FRA/020/998</ns12:ID>
            <ns12:AuthorizationCertificate>
              <ns12:StatusCode>001</ns12:StatusCode>
            </ns12:AuthorizationCertificate>
          </ns12:Principal>
        </ns12:ObligationGuarantee>
      </ns12:InterGov>
    </ns2:terminationResults>
  </soap:Body>
</soap:Envelope>
```

⚠️ Some field original contents have been shortened (…) in this document for the sake of readability, in particular the whole **header/security** content that is described in the eTIR web services introduction document.

7. Fallback procedures

In the event that the **I11 - Terminate TIR operation** could not be sent after several attempts or if no **I12 - Termination results** was received in response, we recommend the national customs systems team to contact eTIR support (Support and contact).

Also note that the functional fallback procedures can be found in the Approved amendments to the eTIR conceptual, functional and technical documentation.

8. Support and contact

Kindly note that in the context of the interconnections projects by customs, the TIR secretariat stands ready to assist contracting parties while interconnecting their national customs systems to the eTIR international system. Also, in case of questions or issues related to this document or to the eTIR international system, you can use the contact details below (contacts by email should be preferred).

Organization	United Nations Economic Commission For Europe TIR secretariat Palais des Nations, 1211 Geneva 10, Switzerland
Contact	Email: etir@un.org Phone: +41 (0)22 917 55 06

9. Version history

Date	Author	Version	Notes	eTIR specification version reference
07/01/2021	TIR Secretariat	1.0	Initial draft	4.3a