# eTIR web services - Messages I15-I16

## I15 - Notify customs / I16 - Notification confirmation

eTIR

UNECE

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# 1. Document revision note

ℹ This document has been published on **07/09/2021**, and is valid for the **eTIR international system version 1.0** based on the **eTIR specifications version 4.3.0**.

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://etir.org/documentation

- Project guidelines for customs to connect to the eTIR international system : https://etir.org/documentation/project-guidelines-customs

- eTIR web services - Introduction document: https://etir.org/documentation/introduction

- eTIR web services - Messages I1-I2: I1 - Accept guarantee / I2 - Acceptance results https://etir.org/documentation/i1-i2

- eTIR web services - Messages I3-I4: I3 - Get holder information / I4 - Holder information https://etir.org/documentation/i3-i4

- eTIR web services - Messages I5-I6: I5 - Query guarantee / I6 - Query results https://etir.org/documentation/i5-i6

- eTIR web services - Messages I7-I8: I7 - Record declaration data / I8 - Record declaration data results https://etir.org/documentation/i7-i8

- eTIR web services - Messages I9-I10: I9 - Start TIR operation / I10 - Start results https://etir.org/documentation/i9-i10

- eTIR web services - Messages I11-I12: I11 - Terminate TIR operation / I12 - Termination results https://etir.org/documentation/i11-i12

- eTIR web services - Messages I13-I14: I13 - Discharge TIR operation / I14 - Discharge results https://etir.org/documentation/i13-i14

- eTIR web services - Messages I17-I18: I17 - Refusal to start TIR operation / I18 - Refusal results https://etir.org/documentation/i17-i18

- eTIR web services - Messages I19-I20: I19 - Check customs offices / I20 - Customs offices validation https://etir.org/documentation/i19-i20

- eTIR web services - Messages E1-E2: E1 - Register guarantee / E2 - Registration results https://etir.org/documentation/e1-e2

- eTIR web services - Messages E3-E4: E3 - Cancel guarantee / E4 - Cancellation results https://etir.org/documentation/e3-e4

- eTIR web services - Messages E5-E6: E5 - Query guarantee / E6 - Query results https://etir.org/documentation/e5-e6

- eTIR web services - Messages E7-E8: E7 - Notify guarantee chain / E8 - Notification confirmation https://etir.org/documentation/e7-e8

- eTIR web services - Messages E9-E10: E9 - Advance TIR data / E10 - Advance TIR data results https://etir.org/documentation/e9-e10

- eTIR web services - Messages E11-E12: E11 - Advance amendment data / E12 - Advance amendment data results https://etir.org/documentation/e11-e12

- eTIR web services - Messages E13-E14: E13 - Cancel advance data / E14 - Cancel advance data results https://etir.org/documentation/e13-e14

**Legal framework**

- TIR Convention handbook: https://unece.org/fileadmin/DAM/tir/handbook/english/newtirhand/TIR-6Rev11e.pdf
- Annex 11 to the TIR Convention: https://etir.org/documentation/annex-11

**eTIR specifications**

- Introduction to the eTIR conceptual, functional and technical v4.3: https://etir.org/etir-introduction
- eTIR concepts v4.3: https://etir.org/etir-concepts
- eTIR functional specifications v4.3: https://etir.org/etir-functional-specifications
- eTIR technical specifications v4.3: https://etir.org/etir-technical-specifications

**Additional resources**

- eTIR XML schemas: https://etir.org/documentation/xsd-files
- eTIR code lists: https://etir.org/documentation/code-lists
- List of eTIR focal points: https://unece.org/list-etir-focal-points

# 3. Purpose

This document describes the **I15 - Notify customs** request message, and the **I16 - Notification confirmation** 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 ICT team of the customs authorities in charge of interconnecting their national customs system 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;

- **The national customs system notification endpoint URL has been communicated to the TIR secretariat, and is configured and accessible to the eTIR international system.**

- **The customs authorities fallback email address has been communicated to the TIR secretariat and configured in the eTIR international system.**

- 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.

# 6. "I15 - Notify customs" / "I16 - Notification confirmation" messages

## 6.1. Sequence diagrams

The following sequence diagrams highlight the role and sequence position of the **I15 - Notify customs** and **I16 - Notification confirmation** messages in the different contexts where they can be used during a TIR transport.

> In the specific context of **I15 - Notify customs / I16 - Notification confirmation** messages, the eTIR international system sends the **I15 - Notify customs** request message to the national customs system which replies using the **I16 - Notification confirmation** response message. Customs authorities should be ready to receive and process this notification anytime. In addition, it is important to note that these notifications can be sent for several reasons and in different contexts.

In the eTIR specifications version 4.3.0, the **I15 - Notify customs** message can be sent by the eTIR international system in the following two cases which are further illustrated with the corresponding sequence diagrams below:

1. **Declaration**: when the declaration of a TIR transport is received for the first time by the eTIR international system or when it is subsequently updated along the itinerary.

2. **Seals**: when the seals of at least one of the transport equipment of the TIR transport are affixed for the first time or when they are changed during the TIR transport.

## 6.1.1. Declaration
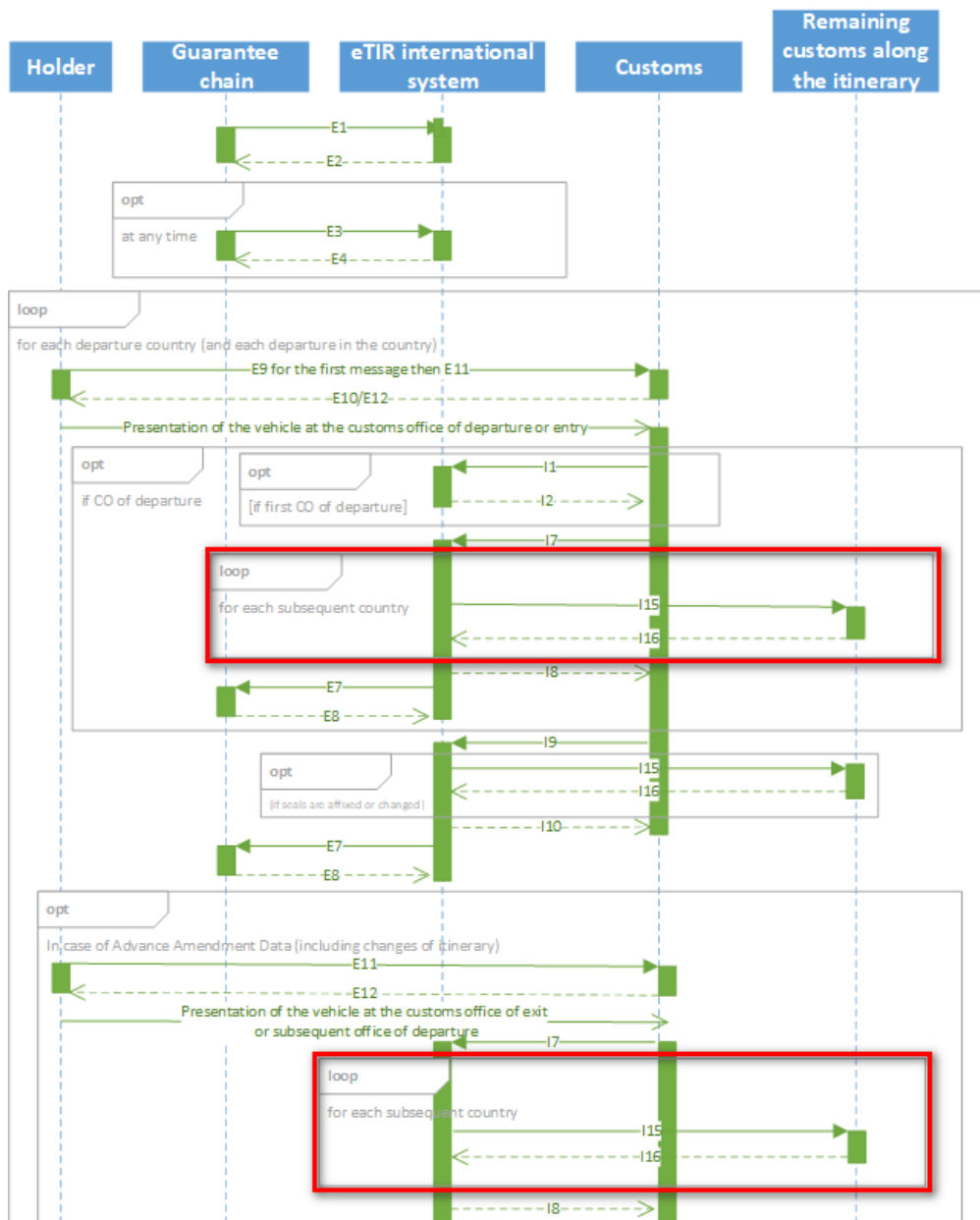


When a customs office of departure (the first one or a subsequent loading point) sends the I7 - Record declaration data message, the eTIR international system forwards this declaration data to the remaining countries along the itinerary.

## 6.1.2. Seals

### 6.1.2.1. Triggered upon the reception of an I9 - Start TIR operation message
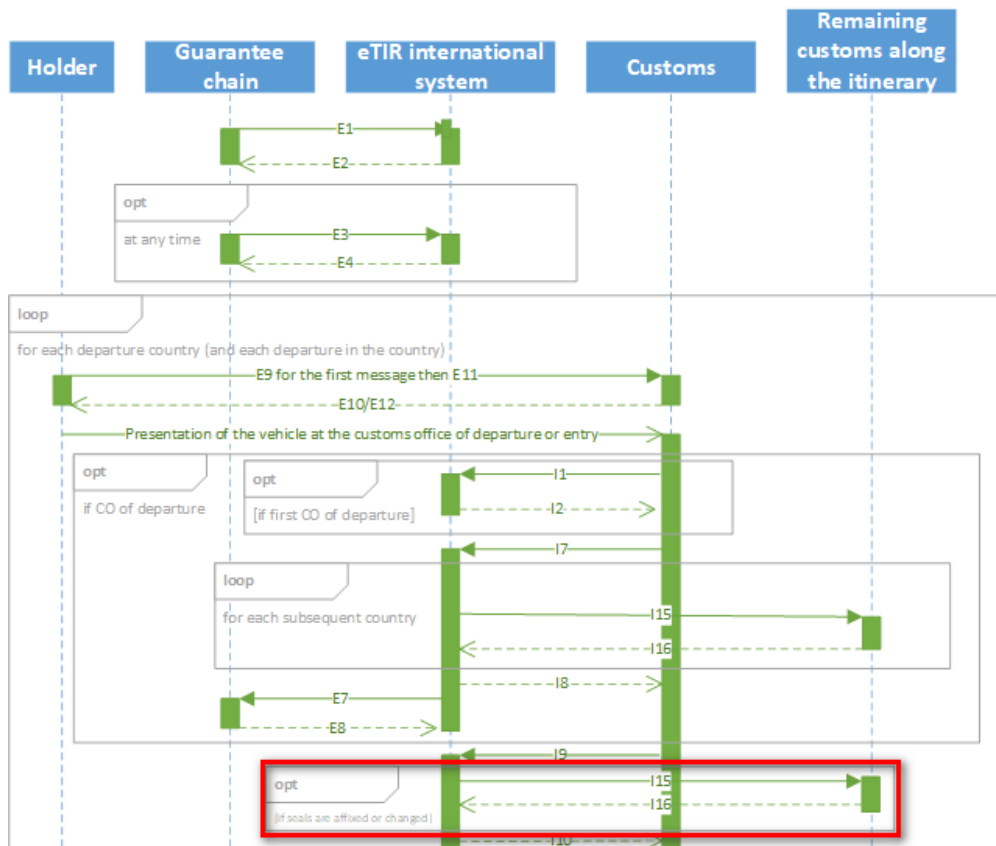


When seals are affixed for the first time at the initial customs office of departure or when seals are changed, following an inspection, when starting a TIR operation, the eTIR international system forwards the information about the new seals to the remaining countries along the itinerary.

## 6.1.2.2. Triggered upon the reception of an I11 - Terminate TIR operation message
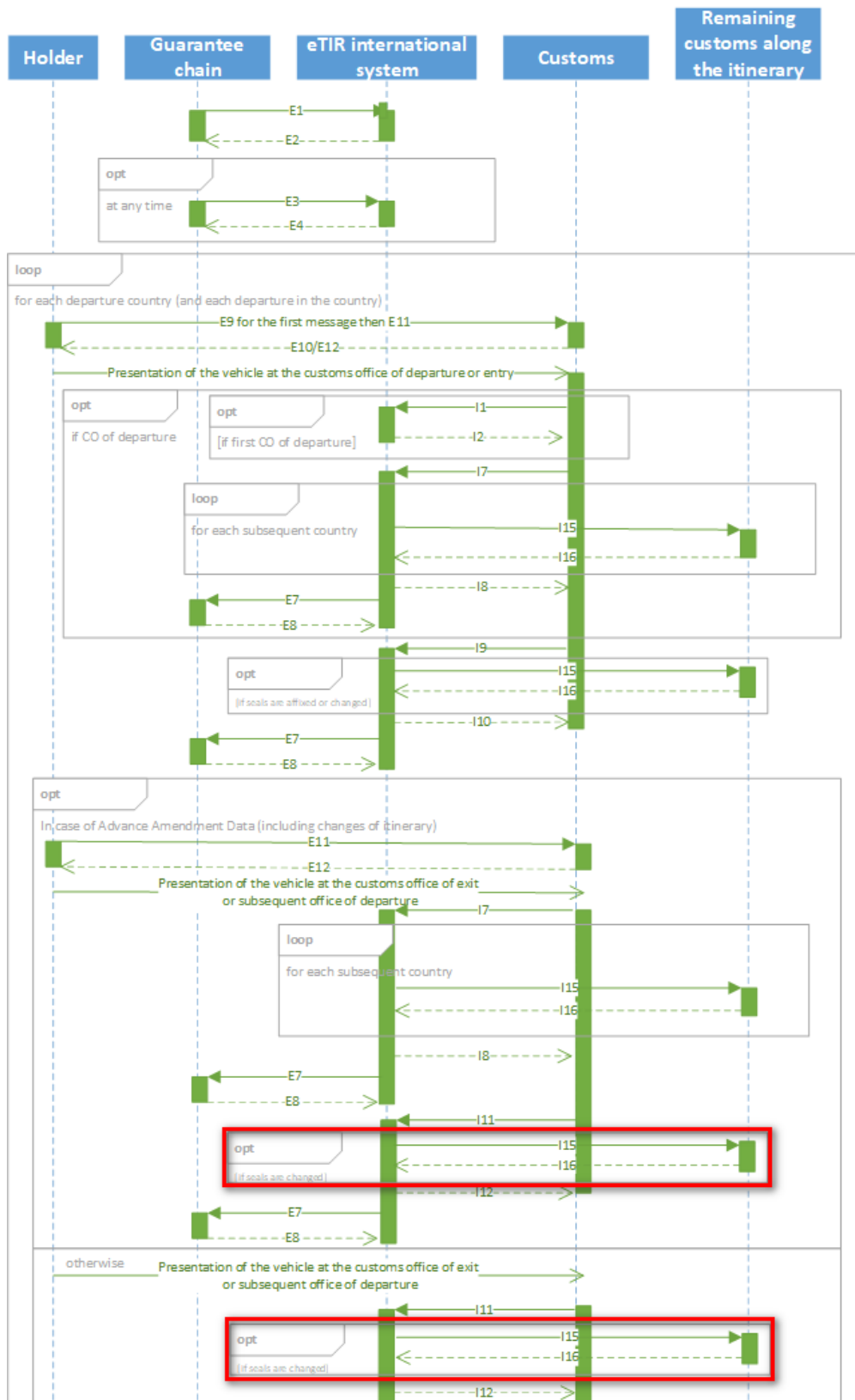


When seals are changed, following an inspection, when terminating a TIR operation, the eTIR international system forwards the information about the new seals to the remaining countries along the itinerary.

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 **I15 - Notify customs** is an informational message sent by the eTIR international system to notify the customs authorities of the availability of new information related to a TIR transport. As a notification, it should be expected at anytime, and the contents of this message should be entirely processed.

## 6.2.1. Message prerequisites

The **I15 - Notify customs** message doesn't require any other message to be implemented prior its implementation.

## 6.2.2. Endpoint URL and SOAP Action

Since the **I15 - Notify customs** message is sent by the eTIR international system to the national customs system, it requires the national customs system endpoint URL to be configured in the eTIR international system to be properly communicated.

The SOAP action value to use is: **notificationConfirmation** (so the WS-Addressing element should be set to *etir:v4.3:customs/notificationConfirmation*)

# 6.3. "I15 - Notify customs" request message

### 6.3.1. Description

The eTIR international system sends the **I15 - Notify customs** request message to the national customs system to notify customs authorities of the availability of new information.

The XSD file related to the **I15 - Notify customs** message is available at the following URL: https://wiki.unece.org/download/attachments/106299941/WCO_eTIR_I15_1.xsd.

### 6.3.2. Field details

Kindly note that the metadata fields have been removed from this table has been removed to improve the readability, as it is part of every eTIR message. You can find the details about metadata in the eTIR introduction document dedicated section.

| eTIR field name | Mapping to the XML element (XPath) | Status | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| MESSAGE | | | | | | | |
| ⊢ Message function, coded | Function | R | 1..1 | n..2 | CL16 | | |
| ⊢ Message identifier | ID | R | 1..1 | an..70 | | | |
| ⊢ Type, coded | TypeCode | R | 1..1 | an..3 | CL26 | | |
| ⊢┬ DECLARATIONDATA | Declaration | D | 0..1 | | | C010 | |
| │ ⊢ Issuing date time | Declaration/IssueDateTime | R | 1..1 | an..35 | | | |
| │ ⊢ Total gross weight | Declaration/TotalGrossMassMeasure | R | 1..1 | n..16,6 | | | |
| │ ⊢┬ ADDITIONALINFORMATION | Declaration/AdditionalInformation | O | 0..1 | | | | |
| │ │ └ Remarks | Declaration/AdditionalInformation/StatementDescription | O | 0..1 | an..512 | | | |
| │ ⊢┬ AGENT | Declaration/Agent | O | 0..1 | | | | |
| │ │ ⊢ Name | Declaration/Agent/Name | D | 0..1 | an..70 | | C001 | |
| │ │ ⊢ Identifier | Declaration/Agent/ID | D | 0..1 | an..35 | | C001 | |
| │ │ ⊢ Role, coded | Declaration/Agent/RoleCode | R | 1..1 | an..3 | CL02 | | |
| │ │ └┬ ADDRESS | Declaration/Agent/Address | D | 0..1 | | | C001 | |
| │ │ ⊢ City name | Declaration/Agent/Address/CityName | R | 1..1 | an..35 | | | |
| │ │ ⊢ Country, coded | Declaration/Agent/Address/CountryCode | R | 1..1 | a2 | CL04 | | |
| │ │ ⊢ Street and number/P.O. Box | Declaration/Agent/Address/Line | R | 1..1 | an..256 | | | |
| │ │ └ Postcode identification | Declaration/Agent/Address/PostcodeID | O | 0..1 | an..17 | | | |

| eTIR field name | Mapping to the XML element (XPath) | Status | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| \| ┌── AMENDMENT | Declaration/Amendment | O | 0..* | | | | |
| \| \| ├ Type, coded | Declaration/Amendment/ChangeReasonCode | R | 1..1 | an..3 | CL17 | | |
| \| \| └── POINTER | Declaration/Amendment/Pointer | R | 1..1 | | | | |
| \| \| ├ Sequence number | Declaration/Amendment/Pointer/SequenceNumeric | R | 1..1 | n..5 | | | |
| \| \| └ Location | Declaration/Amendment/Pointer/Location | R | 1..1 | an..512 | | | |
| \| ┌── SUBCONTRACTOR | Declaration/Carrier | O | 0..* | | | | |
| \| \| ├ Name | Declaration/Carrier/Name | D | 0..1 | an..70 | | C001 | |
| \| \| ├ Identifier | Declaration/Carrier/ID | D | 0..1 | an..35 | | C001 | |
| \| \| └── ADDRESS | Declaration/Carrier/Address | D | 0..1 | | | C001 | |
| \| \| ├ City name | Declaration/Carrier/Address/CityName | R | 1..1 | an..35 | | | |
| \| \| ├ Country, coded | Declaration/Carrier/Address/CountryCode | R | 1..1 | a2 | CL04 | | |
| \| \| ├ Street and number/P.O. Box | Declaration/Carrier/Address/Line | R | 1..1 | an..256 | | | |
| \| \| └ Postcode identification | Declaration/Carrier/Address/PostcodeID | O | 0..1 | an..17 | | | |
| \| ┌── CONSIGNMENT | Declaration/Consignment | O | 0..* | | | | |
| \| \| ├ Sequence number | Declaration/Consignment/SequenceNumeric | R | 1..1 | n..5 | | | |
| \| \| ├ Heavy or bulky goods indicator | Declaration/Consignment/HeavyOrBulkyGoodsIndicator | R | 1..1 | | | | |
| \| \| ┌── ATTACHEDDOCUMENTS | Declaration/Consignment/AdditionalDocument | O | 0..* | | | | |
| \| \| \| ├ Number | Declaration/Consignment/AdditionalDocument/ID | R | 1..1 | an..70 | | | |
| \| \| \| ├ Issuing date time | Declaration/Consignment/AdditionalDocument/IssueDateTime | R | 1..1 | an..35 | | | |
| \| \| \| ├ Type, coded | Declaration/Consignment/AdditionalDocument/TypeCode | R | 1..1 | an..3 | CL06 | | |
| \| \| \| └── BINARYFILE | Declaration/Consignment/AdditionalDocument/BinaryFile | O | 0..1 | | | | |
| \| \| \| ├ Identifier | Declaration/Consignment/AdditionalDocument/BinaryFile/ID | R | 1..1 | an..256 | | | |
| \| \| \| ├ Title | Declaration/Consignment/AdditionalDocument/BinaryFile/Title | R | 1..1 | an..256 | | | |
| \| \| \| ├ Author name | Declaration/Consignment/AdditionalDocument/BinaryFile/AuthorName | O | 0..1 | an..70 | | | |
| \| \| \| ├ Version | Declaration/Consignment/AdditionalDocument/BinaryFile/VersionID | O | 0..1 | an..17 | | | |
| \| \| \| ├ File name | Declaration/Consignment/AdditionalDocument/BinaryFile/FileNametext | O | 0..1 | an..256 | | | |
| \| \| \| ├ URI | Declaration/Consignment/AdditionalDocument/BinaryFile/URIID | O | 0..1 | an..2048 | | | |

| eTIR field name | Mapping to the XML element (XPath) | Status | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| \| \| \|  ├ MIME | Declaration/Consignment/AdditionalDocument/BinaryFile/MIMECode | O | 0..1 | an..70 | | | |
| \| \| \|  ├ Encoding | Declaration/Consignment/AdditionalDocument/BinaryFile/EncodingCode | O | 0..1 | an..17 | | | |
| \| \| \|  ├ Character set | Declaration/Consignment/AdditionalDocument/BinaryFile/CharacterSetCode | O | 0..1 | n..17 | | | |
| \| \| \|  ├ Include binary object | Declaration/Consignment/AdditionalDocument/BinaryFile/IncludedBinaryObjectBinaryObject | O | 0..1 | N/A | | | |
| \| \| \|  ├ Access | Declaration/Consignment/AdditionalDocument/BinaryFile/Access | O | 0..1 | an..256 | | | |
| \| \| \|  ├ Description | Declaration/Consignment/AdditionalDocument/BinaryFile/Description | O | 0..1 | an..256 | | | |
| \| \| \|  ├ Size | Declaration/Consignment/AdditionalDocument/BinaryFile/SizeMeasure | O | 0..1 | n..16,6 | | | |
| \| \| \|  ├ Hash code | Declaration/Consignment/AdditionalDocument/BinaryFile/HashCode | O | 0..1 | an..256 | | | |
| \| \| \|  └ Hash code algorithm id | Declaration/Consignment/AdditionalDocument/BinaryFile/HashCodeAlgorithmIDCode | O | 0..1 | an..6 | | | |
| \| \| ├┬ CONSIGNMENTITEM | Declaration/Consignment/ConsignmentItem | R | 1..* | | | | |
| \| \| \| ├ Sequence number | Declaration/Consignment/ConsignmentItem/SequenceNumeric | R | 1..1 | n..5 | | | |
| \| \| \| ├┬ ADDITIONALINFORMATION | Declaration/Consignment/ConsignmentItem/AdditionalInformation | O | 0..* | | | | |
| \| \| \| \| └ Remarks | Declaration/Consignment/ConsignmentItem/AdditionalInformation/Content | R | 1..1 | an..512 | | | |
| \| \| \| ├┬ GOODS | Declaration/Consignment/ConsignmentItem/Commodity | R | 1..1 | | | | |
| \| \| \| \| ├ Description | Declaration/Consignment/ConsignmentItem/Commodity/CargoDescription | D | 0..1 | an..256 | | C004 | |
| \| \| \| └┬ CLASSIFICATION | Declaration/Consignment/ConsignmentItem/Commodity/Classification | O | 0..* | | | | R008 |
| \| \| \| \| ├ Code | Declaration/Consignment/ConsignmentItem/Commodity/Classification/ID | R | 1..1 | an..18 | | | |
| \| \| \| \| └ Type, coded | Declaration/Consignment/ConsignmentItem/Commodity/Classification/IdentificationTypeCode | R | 1..1 | an..3 | CL03 | | |
| \| \| \| ├┬ CONSIGNEE | Declaration/Consignment/ConsignmentItem/Consignee | O | 0..1 | | | | |
| \| \| \| \| ├ Name | Declaration/Consignment/ConsignmentItem/Consignee/Name | D | 0..1 | an..70 | | C001 | |
| \| \| \| \| ├ Identifier | Declaration/Consignment/ConsignmentItem/Consignee/ID | D | 0..1 | an..35 | | C001 | |
| \| \| \| \| └┬ ADDRESS | Declaration/Consignment/ConsignmentItem/Consignee/Address | D | 0..1 | | | C001 | |

| eTIR field name | Mapping to the XML element (XPath) | Status | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| \| \| \| \|  ├ City name | Declaration/Consignment/ConsignmentItem/Consignee/Address/CityName | R | 1..1 | an..35 | | | |
| \| \| \| \|  ├ Country, coded | Declaration/Consignment/ConsignmentItem/Consignee/Address/CountryCode | R | 1..1 | a2 | CL04 | | |
| \| \| \| \|  ├ Street and number/P.O. Box | Declaration/Consignment/ConsignmentItem/Consignee/Address/Line | R | 1..1 | an..256 | | | |
| \| \| \| \|  └ Postcode identification | Declaration/Consignment/ConsignmentItem/Consignee/Address/PostcodeID | O | 0..1 | an..17 | | | |
| \| \| \| ├─ CONSIGNOR | Declaration/Consignment/ConsignmentItem/Consignor | O | 0..1 | | | | |
| \| \| \| ├ Name | Declaration/Consignment/ConsignmentItem/Consignor/Name | D | 0..1 | an..70 | | C001 | |
| \| \| \| ├ Identifier | Declaration/Consignment/ConsignmentItem/Consignor/ID | D | 0..1 | an..35 | | C001 | |
| \| \| \| └─ ADDRESS | Declaration/Consignment/ConsignmentItem/Consignor/Address | D | 0..1 | | | C001 | |
| \| \| \| \|  ├ City name | Declaration/Consignment/ConsignmentItem/Consignor/Address/CityName | R | 1..1 | an..35 | | | |
| \| \| \| \|  ├ Country, coded | Declaration/Consignment/ConsignmentItem/Consignor/Address/CountryCode | R | 1..1 | a2 | CL04 | | |
| \| \| \| \|  ├ Street and number/P.O. Box | Declaration/Consignment/ConsignmentItem/Consignor/Address/Line | R | 1..1 | an..256 | | | |
| \| \| \| \|  └ Postcode identification | Declaration/Consignment/ConsignmentItem/Consignor/Address/PostcodeID | O | 0..1 | an..17 | | | |
| \| \| \| ├─ DELIVERYDESTINATION | Declaration/Consignment/ConsignmentItem/DeliveryDestination | O | 0..1 | | | | |
| \| \| \| \|  ├ Name | Declaration/Consignment/ConsignmentItem/DeliveryDestination/Name | R | 1..1 | an..70 | | | |
| \| \| \| \|  └─ ADDRESS | Declaration/Consignment/ConsignmentItem/DeliveryDestination/Address | R | 1..1 | | | | |
| \| \| \| \|  ├ City name | Declaration/Consignment/ConsignmentItem/DeliveryDestination/Address/CityName | R | 1..1 | an..35 | | | |
| \| \| \| \|  ├ Country, coded | Declaration/Consignment/ConsignmentItem/DeliveryDestination/Address/CountryCode | R | 1..1 | a2 | CL04 | | |
| \| \| \| \|  ├ Street and number/P.O. Box | Declaration/Consignment/ConsignmentItem/DeliveryDestination/Address/Line | R | 1..1 | an..256 | | | |
| \| \| \| \|  └ Postcode identification | Declaration/Consignment/ConsignmentItem/DeliveryDestination/Address/PostcodeID | O | 0..1 | an..17 | | | |
| \| \| \| ├─ GOODSMEASURE | Declaration/Consignment/ConsignmentItem/GoodsMeasure | R | 1..1 | | | | |
| \| \| \| \| └ Gross weight | Declaration/Consignment/ConsignmentItem/GoodsMeasure/GrossMassMeasure | R | 1..1 | n..16,6 | | | |

| eTIR field name | Mapping to the XML element (XPath) | Status | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| \| \| \| ├─┬ PACKAGING | Declaration/Consignment/ConsignmentItem/Packaging | R | 1..1 | | | | |
| \| \| \| \| ├ Sequence number | Declaration/Consignment/ConsignmentItem/Packaging/SequenceNumeric | R | 1..1 | n..5 | | | |
| \| \| \| \| ├ Marks and numbers | Declaration/Consignment/ConsignmentItem/Packaging/MarksNumbersID | D | 0..1 | an..512 | | C002 | |
| \| \| \| \| ├ Number of packages | Declaration/Consignment/ConsignmentItem/Packaging/QuantityQuantity | D | 0..1 | n..8 | | C002 | |
| \| \| \| \| └ Type, coded | Declaration/Consignment/ConsignmentItem/Packaging/TypeCode | R | 1..1 | an..2 | CL07 | | |
| \| \| \| ├─┬ TRANSPORTEQUIPMENT | Declaration/Consignment/ConsignmentItem/TransportEquipment | D | 0..1 | | | C003 | |
| \| \| \| \| └ Identifier | Declaration/Consignment/ConsignmentItem/TransportEquipment/ID | R | 1..1 | an..17 | | | |
| \| \| \| └─┬ UCR | Declaration/Consignment/ConsignmentItem/UCR | O | 0..1 | | | | |
| \| \| \| └ Identifier | Declaration/Consignment/ConsignmentItem/UCR/ID | R | 1..1 | an..35 | | | |
| \| \| ├─┬ LOADINGLOCATION | Declaration/Consignment/LoadingLocation | O | 0..1 | | | | |
| \| \| \| └ Name | Declaration/Consignment/LoadingLocation/Name | R | 1..1 | an..256 | | | |
| \| \| ├─┬ NOTIFYPARTY | Declaration/Consignment/NotifyParty | O | 0..1 | | | | |
| \| \| \| ├ Name | Declaration/Consignment/NotifyParty/Name | D | 0..1 | an..70 | | C001 | |
| \| \| \| ├ Identifier | Declaration/Consignment/NotifyParty/ID | D | 0..1 | an..35 | | C001 | |
| \| \| \| └─┬ ADDRESS | Declaration/Consignment/NotifyParty/Address | D | 0..1 | | | C001 | |
| \| \| \| ├ City name | Declaration/Consignment/NotifyParty/Address/CityName | R | 1..1 | an..35 | | | |
| \| \| \| ├ Country, coded | Declaration/Consignment/NotifyParty/Address/CountryCode | R | 1..1 | a2 | CL04 | | |
| \| \| \| ├ Street and number/P.O. Box | Declaration/Consignment/NotifyParty/Address/Line | R | 1..1 | an..256 | | | |
| \| \| \| └ Postcode identification | Declaration/Consignment/NotifyParty/Address/PostcodeID | O | 0..1 | an..17 | | | |
| \| \| ├─┬ CUSTOMSOFFICEOFDEPARTURE | Declaration/Consignment/TransitDeparture | R | 1..1 | | | | |
| \| \| \| └ Identifier | Declaration/Consignment/TransitDeparture/ID | R | 1..1 | an..35 | | | |
| \| \| ├─┬ CUSTOMSOFFICEOFDESTINATION | Declaration/Consignment/TransitDestination | R | 1..1 | | | | |
| \| \| \| └ Identifier | Declaration/Consignment/TransitDestination/ID | R | 1..1 | an..35 | | | |
| \| \| ├─┬ TRANSPORTMEANS | Declaration/Consignment/TransitTransportMeans | R | 1..* | | | | R002 |
| \| \| \| ├ Identifier | Declaration/Consignment/TransitTransportMeans/ID | R | 1..1 | an..25 | | | |
| \| \| \| ├ Type, coded | Declaration/Consignment/TransitTransportMeans/TypeCode | R | 1..1 | an..4 | CL05 | | |
| \| \| \| ├ Nationality, coded | Declaration/Consignment/TransitTransportMeans/RegistrationNationalityCode | R | 1..1 | a2 | CL04 | | |
| \| \| \| ├ Conveyance reference number | Declaration/Consignment/TransitTransportMeans/JourneyID | O | 0..1 | an..17 | | | |

| eTIR field name | Mapping to the XML element (XPath) | Status | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| \| \| \| ├ Sequence number | Declaration/Consignment/TransitTransportMeans/SequenceNumeric | R | 1..1 | n..5 | | | |
| \| \| \| └─┬ COUNTRYOFROUTING | Declaration/Consignment/TransitTransportMeans/Itinerary | R | 1..* | | | | R001 |
| \| \| \| ├ Sequence number | Declaration/Consignment/TransitTransportMeans/Itinerary/SequenceNumeric | R | 1..1 | n..5 | | | |
| \| \| \| └ Country, coded | Declaration/Consignment/TransitTransportMeans/Itinerary/RoutingCountryCode | R | 1..1 | a2 | CL04 | | |
| \| \| └─┬ TRANSPORTEQUIPMENT | Declaration/Consignment/TransportEquipment | D | 0..* | | | C003 | |
| \| \| ├ Sequence number | Declaration/Consignment/TransportEquipment/SequenceNumeric | R | 1..1 | n..5 | | | |
| \| \| ├ Size and type, coded | Declaration/Consignment/TransportEquipment/CharacteristicCode | R | 1..1 | an..4 | CL01 | | |
| \| \| ├ Identifier | Declaration/Consignment/TransportEquipment/ID | R | 1..1 | an..17 | | | |
| \| \| ├─┬ CERTIFICATEOFAPPROVAL | Declaration/Consignment/TransportEquipment/AdditionalDocument | D | 0..1 | | | C005 | |
| \| \| \| ├ Number | Declaration/Consignment/TransportEquipment/AdditionalDocument/ID | R | 1..1 | an..70 | | | |
| \| \| \| ├ Issuing date time | Declaration/Consignment/TransportEquipment/AdditionalDocument/IssueDateTime | R | 1..1 | an..35 | | | |
| \| \| \| ├ Type, coded | Declaration/Consignment/TransportEquipment/AdditionalDocument/TypeCode | R | 1..1 | an..3 | CL06 | | |
| \| \| \| └─┬ BINARYFILE | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile | O | 0..1 | | | | |
| \| \| \| ├ Identifier | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/ID | R | 1..1 | an..256 | | | |
| \| \| \| ├ Title | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/Title | R | 1..1 | an..256 | | | |
| \| \| \| ├ Author name | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/AuthorName | O | 0..1 | an..70 | | | |
| \| \| \| ├ Version | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/VersionID | O | 0..1 | an..17 | | | |
| \| \| \| ├ File name | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/FileNametext | O | 0..1 | an..256 | | | |
| \| \| \| ├ URI | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/URIID | O | 0..1 | an..2048 | | | |
| \| \| \| ├ MIME | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/MIMECode | O | 0..1 | an..70 | | | |

| eTIR field name | Mapping to the XML element (XPath) | Status | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| \| \|   \|   ├ Encoding | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/EncodingCode | O | 0..1 | an..17 | | | |
| \| \|   \|   ├ Character set | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/CharacterSetCode | O | 0..1 | n..17 | | | |
| \| \|   \|   ├ Include binary object | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/IncludedBinaryObjectBinaryObject | O | 0..1 | N/A | | | |
| \| \|   \|   ├ Access | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/Access | O | 0..1 | an..256 | | | |
| \| \|   \|   ├ Description | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/Description | O | 0..1 | an..256 | | | |
| \| \|   \|   ├ Size | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/SizeMeasure | O | 0..1 | n..16,6 | | | |
| \| \|   \|   ├ Hash code | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/HashCode | O | 0..1 | an..256 | | | |
| \| \|   \|   └ Hash code algorithm id | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/HashCodeAlgorithmIDCode | O | 0..1 | an..6 | | | |
| \| \|   └┬ SEAL | Declaration/Consignment/TransportEquipment/Seal | O | 0..* | | | | |
| \| \|   ├ Sequence number | Declaration/Consignment/TransportEquipment/Seal/SequenceNumeric | R | 1..1 | n..5 | | | R003, R004 |
| \| \|   ├ Seal number | Declaration/Consignment/TransportEquipment/Seal/ID | R | 1..1 | an..35 | | | R005 |
| \| \|   └ Seal type, coded | Declaration/Consignment/TransportEquipment/Seal/TypeCode | O | 0..1 | an..3 | CL08 | | |
| \| ├┬ GUARANTEE | Declaration/DeclarationGuarantee | R | 1..1 | | | | |
| \| \| ├ Validity date | Declaration/DeclarationGuarantee/ExpirationDateTime | R | 1..1 | an..35 | | | |
| \| \| ├ Reference | Declaration/DeclarationGuarantee/ReferenceID | R | 1..1 | an..35 | | | |
| \| \| └ Guarantee type, coded | Declaration/DeclarationGuarantee/SecurityDetailsCode | R | 1..1 | an..3 | CL12 | | |
| \| └┬ HOLDER | Declaration/Principal | O | 0..1 | | | | |
| \| ├ Name | Declaration/Principal/Name | O | 0..1 | an..70 | | | |
| \| ├ Identifier | Declaration/Principal/ID | R | 1..1 | an..35 | | | |
| \| └┬ ADDRESS | Declaration/Principal/Address | O | 0..1 | | | | |
| \| ├ City name | Declaration/Principal/Address/CityName | R | 1..1 | an..35 | | | |
| \| ├ Country, coded | Declaration/Principal/Address/CountryCode | R | 1..1 | a2 | CL04 | | |
| \| ├ Street and number/P.O. Box | Declaration/Principal/Address/Line | R | 1..1 | an..256 | | | |
| \| └ Postcode identification | Declaration/Principal/Address/PostcodeID | O | 0..1 | an..17 | | | |
| └┬ GUARANTEE | ObligationGuarantee | O | 0..1 | | | | |
| ├ Reference | ObligationGuarantee/ReferenceID | R | 1..1 | an..35 | | | |

| eTIR field name | Mapping to the XML element (XPath) | Status | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| └┬ TIROPERATION | ObligationGuarantee/TransitOperation | D | 0..* | | | C010 | |
| ├ Sequence number | ObligationGuarantee/TransitOperation/SequenceNumeric | R | 1..1 | n..5 | | | |
| ├ Registration number | ObligationGuarantee/TransitOperation/RegistrationID | R | 1..1 | an..35 | | | |
| ├┬ START | ObligationGuarantee/TransitOperation/OperationStart | O | 0..1 | | | | |
| │├ End date time | ObligationGuarantee/TransitOperation/OperationStart/InspectionEndDateTime | R | 1..1 | an..35 | | | |
| │├ Time limit date time | ObligationGuarantee/TransitOperation/OperationStart/LimitDateTime | O | 0..1 | an..35 | | | |
| │├┬ ADDITIONALINFORMATION | ObligationGuarantee/TransitOperation/OperationStart/AdditionalInformation | O | 0..1 | | | | |
| ││└ Remarks | ObligationGuarantee/TransitOperation/OperationStart/AdditionalInformation/Content | R | 1..1 | an..512 | | | |
| │├┬ CONSIGNMENT | ObligationGuarantee/TransitOperation/OperationStart/Consignment | O | 0..1 | | | | R007, R006 |
| ││└┬ TRANSPORTEQUIPMENT | ObligationGuarantee/TransitOperation/OperationStart/Consignment/TransportEquipment | R | 1..* | | | | |
| ││ ├ Identifier | ObligationGuarantee/TransitOperation/OperationStart/Consignment/TransportEquipment/ID | R | 1..1 | an..17 | | | |
| ││ └┬ SEAL | ObligationGuarantee/TransitOperation/OperationStart/Consignment/TransportEquipment/Seal | R | 1..* | | | | |
| ││ ├ Sequence number | ObligationGuarantee/TransitOperation/OperationStart/Consignment/TransportEquipment/Seal/SequenceNumeric | R | 1..1 | n..5 | | | R003, R004 |
| ││ ├ Seal number | ObligationGuarantee/TransitOperation/OperationStart/Consignment/TransportEquipment/Seal/ID | R | 1..1 | an..35 | | | R005 |
| ││ └ Seal type, coded | ObligationGuarantee/TransitOperation/OperationStart/Consignment/TransportEquipment/Seal/TypeCode | O | 0..1 | an..3 | CL08 | | |
| │├┬ CONTROL | ObligationGuarantee/TransitOperation/OperationStart/Control | R | 1..1 | | | | |
| ││├ Type, coded | ObligationGuarantee/TransitOperation/OperationStart/Control/TypeCode | R | 1..1 | an..3 | CL25 | | |
| ││└┬ CONTROLRESULT | ObligationGuarantee/TransitOperation/OperationStart/Control/ControlResult | R | 1..1 | | | | |
| ││ └ Result, coded | ObligationGuarantee/TransitOperation/OperationStart/Control/ControlResult/ID | R | 1..1 | an..3 | CL24 | | |
| │├┬ NATIONALITINERARY | ObligationGuarantee/TransitOperation/OperationStart/Itinerary | O | 0..1 | | | | |
| ││└┬ NATIONALITINERARYCUSTOMSOFFICE | ObligationGuarantee/TransitOperation/OperationStart/Itinerary/ItineraryGovernmentOffice | R | 1..1 | | | | |

| eTIR field name | Mapping to the XML element (XPath) | Status | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| \|  \|    └ `Identifier` | `ObligationGuarantee/TransitOperation/OperationStart/Itinerary/ItineraryGovernmentOffice/ID` | R | 1..1 | an..17 | | | |
| \|    └─┬ `CUSTOMSOFFICE` | `ObligationGuarantee/TransitOperation/OperationStart/TransitOperationStartOffice` | R | 1..1 | | | | |
| \|    └ `Identifier` | `ObligationGuarantee/TransitOperation/OperationStart/TransitOperationStartOffice/ID` | R | 1..1 | an..17 | | | |
| ├─┬ `TERMINATION` | `ObligationGuarantee/TransitOperation/OperationTermination` | O | 0..1 | | | | |
| \| ├ `End date time` | `ObligationGuarantee/TransitOperation/OperationTermination/InspectionEndDateTime` | R | 1..1 | an..35 | | | |
| \| ├ `Number of packages` | `ObligationGuarantee/TransitOperation/OperationTermination/PackageQuantityQuantity` | R | 1..1 | n..8 | | | |
| \| ├ `Termination type, coded` | `ObligationGuarantee/TransitOperation/OperationTermination/TypeCode` | R | 1..1 | an..3 | CL27 | | |
| \| ├─┬ `ADDITIONALINFORMATION` | `ObligationGuarantee/TransitOperation/OperationTermination/AdditionalInformation` | O | 0..1 | | | | |
| \| \|    └ `Reservations` | `ObligationGuarantee/TransitOperation/OperationTermination/AdditionalInformation/Content` | R | 1..1 | an..512 | | | |
| \| ├─┬ `CONSIGNMENT` | `ObligationGuarantee/TransitOperation/OperationTermination/Consignment` | O | 0..1 | | | | R007, R006 |
| \| \|    └─┬ `TRANSPORTEQUIPMENT` | `ObligationGuarantee/TransitOperation/OperationTermination/Consignment/TransportEquipment` | R | 1..* | | | | |
| \| \|    ├ `Identifier` | `ObligationGuarantee/TransitOperation/OperationTermination/Consignment/TransportEquipment/ID` | R | 1..1 | an..17 | | | |
| \| \|    └─┬ `SEAL` | `ObligationGuarantee/TransitOperation/OperationTermination/Consignment/TransportEquipment/Seal` | R | 1..* | | | | |
| \| \|    ├ `Sequence number` | `ObligationGuarantee/TransitOperation/OperationTermination/Consignment/TransportEquipment/Seal/SequenceNumeric` | R | 1..1 | n..5 | | | R003, R004 |
| \| \|    ├ `Seal number` | `ObligationGuarantee/TransitOperation/OperationTermination/Consignment/TransportEquipment/Seal/ID` | R | 1..1 | an..35 | | | R005 |
| \| \|    └ `Seal type, coded` | `ObligationGuarantee/TransitOperation/OperationTermination/Consignment/TransportEquipment/Seal/TypeCode` | O | 0..1 | an..3 | CL08 | | |
| \| ├─┬ `CONTROL` | `ObligationGuarantee/TransitOperation/OperationTermination/Control` | R | 1..1 | | | | |
| \| \| ├ `Type, coded` | `ObligationGuarantee/TransitOperation/OperationTermination/Control/TypeCode` | R | 1..1 | an..3 | CL25 | | |
| \| \|    └─┬ `CONTROLRESULT` | `ObligationGuarantee/TransitOperation/OperationTermination/Control/ControlResult` | R | 1..1 | | | | |

| eTIR field name | Mapping to the XML element (XPath) | Status | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| └ └ └ Result, coded | ObligationGuarantee/TransitOperation/OperationTerminati on/Control/ControlResult/ID | R | 1..1 | an..3 | CL24 | | |
| └ └─ CUSTOMSOFFICE | ObligationGuarantee/TransitOperation/OperationTerminati on/TransitOperationTerminationOffice | R | 1..1 | | | | |
| └ └ Identifier | ObligationGuarantee/TransitOperation/OperationTerminati on/TransitOperationTerminationOffice/ID | R | 1..1 | an..17 | | | |
| ├─ DISCHARGE | ObligationGuarantee/TransitOperation/OperationDischarge | O | 0..1 | | | | |
| └ ├ End date time | ObligationGuarantee/TransitOperation/OperationDischarge /InspectionEndDateTime | R | 1..1 | an..35 | | | |
| └ └─ CUSTOMSOFFICE | ObligationGuarantee/TransitOperation/OperationDischarge /TransitOperationDischargeOffice | R | 1..1 | | | | |
| └ └ Identifier | ObligationGuarantee/TransitOperation/OperationDischarge /TransitOperationDischargeOffice/ID | R | 1..1 | an..17 | | | |
| └─ REFUSALTOSTART | ObligationGuarantee/TransitOperation/RefusalToStart | O | 0..1 | | | | |
| ├ End date time | ObligationGuarantee/TransitOperation/RefusalToStart/Ins pectionEndDateTime | R | 1..1 | an..35 | | | |
| ├─ ADDITIONALINFORMATION | ObligationGuarantee/TransitOperation/RefusalToStart/Add itionalInformation | R | 1..1 | | | | |
| └ Reason | ObligationGuarantee/TransitOperation/RefusalToStart/Add itionalInformation/Content | R | 1..1 | an..512 | | | |
| ├─ CONTROL | ObligationGuarantee/TransitOperation/RefusalToStart/Con trol | O | 0..1 | | | | |
| ├ Type, coded | ObligationGuarantee/TransitOperation/RefusalToStart/Con trol/TypeCode | R | 1..1 | an..3 | CL25 | | |
| └─ CONTROLRESULT | ObligationGuarantee/TransitOperation/RefusalToStart/Con trol/ControlResult | R | 1..1 | | | | |
| └ Result, coded | ObligationGuarantee/TransitOperation/RefusalToStart/Con trol/ControlResult/ID | R | 1..1 | an..3 | CL24 | | |
| └─ CUSTOMSOFFICE | ObligationGuarantee/TransitOperation/RefusalToStart/Tra nsitOperationStartOffice | | 1..1 | | | | |
| └ Identifier | ObligationGuarantee/TransitOperation/RefusalToStart/Tra nsitOperationStartOffice/ID | R | 1..1 | an..17 | | | |

## 6.3.3. Field descriptions & usages

ℹ Kindly note that the metadata fields have been removed from this table has been removed to improve the readability, as it is part of every eTIR message. You can find the details about metadata in the eTIR introduction document dedicated section.

| 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, depending on the type of notification, either: "T7" (New declaration data), "T8" (Update declaration data),"T9" (Seals information when starting a TIR operation) or "T10" (Seals information when terminating a TIR operation). Those codes will soon be included in the CL16 - Message function code (UN/EDIFACT 1225) code list. |
| ├ 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 "I15" |
| ├┬ DECLARATIONDATA | Declaration | Class representing the declaration data as accepted by customs | |
| │ ├ Issuing date time | Declaration/IssueDateTime | Date at which the message E9 (or E11) received by the customs, was issued | The value should be the one from the "Issuing date" attribute of the message E9 received by the customs |
| │ ├ Total gross weight | Declaration/TotalGrossMassMeasure | Total gross weight of goods (including packaging) of the declaration | The value should be the total gross weight as a decimal number. The unit should be defined in the Measure Unit. Code attribute and should match one of the values listed in the list Measurement unit code (UNECE Recommendation 20) |
| │ ├┬ ADDITIONALINFORMATION | Declaration/AdditionalInformation | Class containing potential additional information at the declaration level | |
| │ │ └ Remarks | Declaration/AdditionalInformation/StatementDescription | Text used to allow for remarks to the declaration from the TIR Carnet holder | The value should be containing the remarks to the declaration from the transporter, or remains blank if there are none |
| │ ├┬ AGENT | Declaration/Agent | Class representing the potential agent which would declare the goods on behalf of the TIR Carnet holder | |
| │ │ ├ Name | Declaration/Agent/Name | Name of the agent | The value should be the official company name, or the first and last name of the person in case of physical person, to allow for quick identification |
| │ │ ├ Identifier | Declaration/Agent/ID | Unique identifier of the agent | The value should be the unique identifier of the agent |
| │ │ ├ Role, coded | Declaration/Agent/RoleCode | Code of the role of the agent | The value should be the code matching the role of the agent from the list Party role code (UN/EDIFACT 3035) |

| eTIR field name | Mapping to the XML element (XPath) | Description | Usage |
|---|---|---|---|
| \| \| └┬ ADDRESS | Declaration/Agent/Address | Class representing the physical address of the Agent | |
| \| \| ├ City name | Declaration/Agent/Address/CityName | City name of the physical address of the agent | The value should be the city name of the physical address of the agent |
| \| \| ├ Country, coded | Declaration/Agent/Address/CountryCode | Code of the country of the physical address of the agent | The value should be the code of the country of the physical address of the agent from the list Country name code (ISO 3166-1-alpha-2) |
| \| \| ├ Street and number/P.O. Box | Declaration/Agent/Address/Line | Street name of the physical address of the agent | The value should be the street name and number (or equivalent) of the physical address of the agent |
| \| \| └ Postcode identification | Declaration/Agent/Address/PostcodeID | Postal/Zip code of the physical address of the agent | The value should be the postal/ZIP code of the physical address of the agent |
| \| ├┬ AMENDMENT | Declaration/Amendment | Class representing the list of potential amendments to the declaration | |
| \| \| ├ Type, coded | Declaration/Amendment/ChangeReasonCode | Code describing the type of amendment | The value should be the code matching the type of amendment from the list Amendment type code (eTIR) (https://etir.org/documentation/code-lists#page=121) |
| \| \| └┬ POINTER | Declaration/Amendment/Pointer | Class representing the pointer to the part of the declaration to be amended | |
| \| \| ├ Sequence number | Declaration/Amendment/Pointer/SequenceNumeric | Index of the pointer in the list | The value should be the 1-based index of the pointer in the list |
| \| \| └ Location | Declaration/Amendment/Pointer/Location | Location of the class or attribute to be amended | The value should be the location of the class or attribute following the XPath syntax |
| \| ├┬ SUBCONTRACTOR | Declaration/Carrier | Class representing the potential agent which undertakes or arranges transport of goods between named points | |
| \| \| ├ Name | Declaration/Carrier/Name | Name of the subcontractor | The value should be the official company name, or the first and last name of the person in case of physical person, to allow for quick identification |
| \| \| ├ Identifier | Declaration/Carrier/ID | Unique identifier of the subcontractor | The value should be the unique identifier of the subcontractor |
| \| \| └┬ ADDRESS | Declaration/Carrier/Address | Class representing the physical address of the subcontractor | |
| \| \| ├ City name | Declaration/Carrier/Address/CityName | City name of the physical address of the subcontractor | The value should be the city name of the physical address of the subcontractor |
| \| \| ├ Country, coded | Declaration/Carrier/Address/CountryCode | Code of the country of the physical address of the subcontractor | The value should be the code of the country of the physical address of the subcontractor from the list Country name code (ISO 3166-1-alpha-2) |

| eTIR field name | Mapping to the XML element (XPath) | Description | Usage |
|---|---|---|---|
| ┃ ┃  ├ Street and number/P.O. Box | Declaration/Carrier/Address/Line | Street name of the physical address of the subcontractor | The value should be the street name and number (or equivalent) of the physical address of the subcontractor |
| ┃ ┃  └ Postcode identification | Declaration/Carrier/Address/PostcodeID | Postal/Zip code of the physical address of the subcontractor | The value should be the postal/ZIP code of the physical address of the subcontractor |
| ┃ ├─ CONSIGNMENT | Declaration/Consignment | Class representing the list of details on the transport of goods between a loading point and an unloading point | |
| ┃ ┃ ├ Sequence number | Declaration/Consignment/SequenceNumeric | Index of the consignment in the list | The value should be the 1-based index of the consignment in the list |
| ┃ ┃ ├ Heavy or bulky goods indicator | Declaration/Consignment/HeavyOrBulkyGoodsIndicator | Code describing whether the goods are considered (according to article 29) as "heavy or bulky", as defined article 1 (p) of the TIR Convention. | The value should be "1" if the goods are considered by the customs as "heavy or bulky" or "0" otherwise |
| ┃ ┃ ├─ ATTACHEDDOCUMENTS | Declaration/Consignment/AdditionalDocument | Class representing the list of potential additional documents supplied as part of the declaration and related to the consignment | |
| ┃ ┃ ┃ ├ Number | Declaration/Consignment/AdditionalDocument/ID | Identifier of the document | The value should be an ID identifying the document and it should be unique among all other attached documents of the declaration |
| ┃ ┃ ┃ ├ Issuing date time | Declaration/Consignment/AdditionalDocument/IssueDateTime | Issuing date of the document | The value should be a date and time to be provided following the EDIFACT 208 format CCYYMMDDHHMMSSZHHMM (http://www.unece.org/trade/untdid/d13b/tred/tred2379.htm). For Example: 20200820145600+0100 represents 20 August 2020 at 14:56 UTC+01:00 |
| ┃ ┃ ┃ ├ Type, coded | Declaration/Consignment/AdditionalDocument/TypeCode | Code of the type of the document | The value should be the code of the type of the document from the list Document name code (UN/EDIFACT 1001) |
| ┃ ┃ ┃ └─ BINARYFILE | Declaration/Consignment/AdditionalDocument/BinaryFile | Class representing the content of the document | |
| ┃ ┃ ┃ ├ Identifier | Declaration/Consignment/AdditionalDocument/BinaryFile/ID | Unique identifier of the file representing the document | The value should be an ID identifying the file and it should be unique among all other binary files of the declaration |
| ┃ ┃ ┃ ├ Title | Declaration/Consignment/AdditionalDocument/BinaryFile/Title | Title of the document | The value should be the title of the document |
| ┃ ┃ ┃ ├ Author name | Declaration/Consignment/AdditionalDocument/BinaryFile/AuthorName | Name of the author of the document | The value should be the first and last name of the author of the document |
| ┃ ┃ ┃ ├ Version | Declaration/Consignment/AdditionalDocument/BinaryFile/VersionID | Version number of the document | The value should be the version of the document |

| eTIR field name | Mapping to the XML element (XPath) | Description | Usage |
|---|---|---|---|
| │ │ │ ├ File name | Declaration/Consignment/AdditionalDocument/BinaryFile/FileNametext | File name of the document | The value should be the name of the file representing the document, including the extension |
| │ │ │ ├ URI | Declaration/Consignment/AdditionalDocument/BinaryFile/URIID | URI of the document | The value should be the Unique Resource Identifier (URI) allowing to access the document instead of relying on a binary object representation |
| │ │ │ ├ MIME | Declaration/Consignment/AdditionalDocument/BinaryFile/MIMECode | Code of the MIME type of the file | The value should be one of the MIME types as listed by the IANA organization on the page: http://www.iana.org/assignments/media-types/media-types.xhtml |
| │ │ │ ├ Encoding | Declaration/Consignment/AdditionalDocument/BinaryFile/EncodingCode | Code of the encoding algorithm of the file | The value should be the type of encoding algorithm used to encode the file |
| │ │ │ ├ Character set | Declaration/Consignment/AdditionalDocument/BinaryFile/CharacterSetCode | Code of the character set of the file | The value should be the character set used in case the file is a text file |
| │ │ │ ├ Include binary object | Declaration/Consignment/AdditionalDocument/BinaryFile/IncludedBinaryObjectBinaryObject | Binary representation of the file | The value should be the content of the file represented using the characteristics mentioned in the other attributes (EncodingCode and CharacterSetCode) |
| │ │ │ ├ Access | Declaration/Consignment/AdditionalDocument/BinaryFile/Access | Access information of the file | The value should be the information needed to access the file, such as security and download parameters. This is only useful when the file is accessible using the URIID parameter |
| │ │ │ ├ Description | Declaration/Consignment/AdditionalDocument/BinaryFile/Description | Description of the document | The value should be the description of the document and explain what it contains |
| │ │ │ ├ Size | Declaration/Consignment/AdditionalDocument/BinaryFile/SizeMeasure | Size of the file | The value should be the size of the file. The unit should be defined in the Measure Unit. Code attribute and should match one of the values listed in the Measurement unit code (UNECE Recommendation 20) |
| │ │ │ ├ Hash code | Declaration/Consignment/AdditionalDocument/BinaryFile/HashCode | Hash value of the file | The value should be the hash code string that resulted from hashing the attached file to be used for file reception validation |
| │ │ │ └ Hash code algorithm id | Declaration/Consignment/AdditionalDocument/BinaryFile/HashCodeAlgorithmIDCode | Code of the hash algorithm | The value should be the short name of the algorithm used to compute the hash value of the file |
| │ │ ├┬ CONSIGNMENTITEM | Declaration/Consignment/ConsignmentItem | Class representing the list of details on the items in the consignment | |
| │ │ │ ├ Sequence number | Declaration/Consignment/ConsignmentItem/SequenceNumeric | Index of the consignment item in the list | The value should be the 1-based index of the consignment item in the list, allowing for quick physical identification upon inspection |

| eTIR field name | Mapping to the XML element (XPath) | Description | Usage |
|---|---|---|---|
| `\| \| \|├─ ADDITIONALINFORMATION` | `Declaration/Consignment/ConsignmentItem/AdditionalInformation` | Class representing the list of potential additional information at the consignment item level | |
| `\| \| \|└ Remarks` | `Declaration/Consignment/ConsignmentItem/AdditionalInformation/Content` | Remarks on the consignment item | The value should be a text allowing for additional remarks on the consignment item |
| `\| \| \|├─ GOODS` | `Declaration/Consignment/ConsignmentItem/Commodity` | Class representing the details on the goods | |
| `\| \| \|├ Description` | `Declaration/Consignment/ConsignmentItem/Commodity/CargoDescription` | Description of the goods | The value should be a text describing the goods |
| `\| \| \|└─ CLASSIFICATION` | `Declaration/Consignment/ConsignmentItem/Commodity/Classification` | Class representing the list of classification details of the goods | |
| `\| \| \|  ├ Code` | `Declaration/Consignment/ConsignmentItem/Commodity/Classification/ID` | Identifier of the classification of the goods | The value should be the identifier of the non commercial classification of the goods |
| `\| \| \|  └ Type, coded` | `Declaration/Consignment/ConsignmentItem/Commodity/Classification/IdentificationTypeCode` | Code of the classification | The value should be the code of the classification from the list Item type identification code (UN/EDIFACT 7143) |
| `\| \| \|├─ CONSIGNEE` | `Declaration/Consignment/ConsignmentItem/Consignee` | Class representing the potential consignee of the goods | |
| `\| \| \|├ Name` | `Declaration/Consignment/ConsignmentItem/Consignee/Name` | Name of the consignee | The value should be the official company name, or the first and last name of the person in case of physical person, to allow for quick identification |
| `\| \| \|├ Identifier` | `Declaration/Consignment/ConsignmentItem/Consignee/ID` | Unique identifier of the consignee | The value should be the unique identifier of the consignee |
| `\| \| \|└─ ADDRESS` | `Declaration/Consignment/ConsignmentItem/Consignee/Address` | Class representing the physical address of the consignee | |
| `\| \| \|  ├ City name` | `Declaration/Consignment/ConsignmentItem/Consignee/Address/CityName` | City name of the physical address of the consignee | The value should be the city name of the physical address of the consignee |
| `\| \| \|  ├ Country, coded` | `Declaration/Consignment/ConsignmentItem/Consignee/Address/CountryCode` | Code of the country of the physical address of the consignee | The value should be the code of the country of the physical address of the consignee from the list Country name code (ISO 3166-1-alpha-2) (https://etir.org/documentation/code-lists#page=38) |
| `\| \| \|  ├ Street and number/P.O. Box` | `Declaration/Consignment/ConsignmentItem/Consignee/Address/Line` | Street name of the physical address of the consignee | The value should be the street name and number (or equivalent) of the physical address of the consignee |
| `\| \| \|  └ Postcode identification` | `Declaration/Consignment/ConsignmentItem/Consignee/Address/PostcodeID` | Postal/Zip code of the physical address of the consignee | The value should be the postal/ZIP code of the physical address of the consignee |
| `\| \| \|├─ CONSIGNOR` | `Declaration/Consignment/ConsignmentItem/Consignor` | Class representing the potential consignor of the goods | |

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

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| eTIR field name | Mapping to the XML element (XPath) | Description | Usage |
|---|---|---|---|
| &#124; &#124; &#124; └ Gross weight | Declaration/Consignment/ConsignmentItem/GoodsMeasure/GrossMassMeasure | Total gross weight of the goods | The value should be the weight (mass) of goods including packaging but excluding the transport equipment. The unit should be defined in the Measure Unit. Code attribute and should match one of the values listed in the Measurement unit code (UNECE Recommendation 20) |
| &#124; &#124; &#124; ├─ PACKAGING | Declaration/Consignment/ConsignmentItem/Packaging | Class representing the list of details on the packaging of the goods | |
| &#124; &#124; &#124; ├ Sequence number | Declaration/Consignment/ConsignmentItem/Packaging/SequenceNumeric | Index of the packaging in the list | The value should be the 1-based index of the packaging in the list, allowing for quick physical identification upon inspection |
| &#124; &#124; &#124; ├ Marks and numbers | Declaration/Consignment/ConsignmentItem/Packaging/MarksNumbersID | Packaging marks and numbers | The value should be a text describing the marks and numbers on a transport unit or package. |
| &#124; &#124; &#124; ├ Number of packages | Declaration/Consignment/ConsignmentItem/Packaging/QuantityQuantity | Number of packages | The value should be the number of individual items packaged in such a way that they cannot be divided without first undoing the packing |
| &#124; &#124; &#124; └ Type, coded | Declaration/Consignment/ConsignmentItem/Packaging/TypeCode | Code of the packaging type | The value should be the code of the type of packaging from the list Package type description code (UNECE Recommendation 21 Annex VI) |
| &#124; &#124; &#124; ├─ TRANSPORTEQUIPMENT | Declaration/Consignment/ConsignmentItem/TransportEquipment | Class representing the transport equipment used for the consignment item | |
| &#124; &#124; &#124; └ Identifier | Declaration/Consignment/ConsignmentItem/TransportEquipment/ID | Identifier of the transport equipment | The value should be marks (letters and/or numbers) which identify the transport equipment |
| &#124; &#124; &#124; └─ UCR | Declaration/Consignment/ConsignmentItem/UCR | Class representing the Unique Trader Reference | |
| &#124; &#124; &#124; └ Identifier | Declaration/Consignment/ConsignmentItem/UCR/ID | Unique identifier of the goods | The value should be the unique identifier assigned to goods being subject to cross border transactions |
| &#124; &#124; ├─ LOADINGLOCATION | Declaration/Consignment/LoadingLocation | Class representing the place of loading of the goods | |
| &#124; &#124; └ Name | Declaration/Consignment/LoadingLocation/Name | Name of the loading location | The value should be the name of a seaport, airport, freight terminal, rail station or other place at which goods are loaded onto the means of transport being used for their carriage |
| &#124; &#124; ├─ NOTIFYPARTY | Declaration/Consignment/NotifyParty | Class representing a potential party to be notified | |

| eTIR field name | Mapping to the XML element (XPath) | Description | Usage |
|---|---|---|---|
| \| \| \| ├ Name | Declaration/Consignment/NotifyParty/Name | Name of the party to be notified | The value should be the name (first and last name or company) of the party to be notified |
| \| \| \| ├ Identifier | Declaration/Consignment/NotifyParty/ID | Unique identifier of the party to be notified | The value should be the unique identifier of the party to be notified |
| \| \| \| └─ ADDRESS | Declaration/Consignment/NotifyParty/Address | Class representing the physical address of the party to be notified | |
| \| \| \| ├ City name | Declaration/Consignment/NotifyParty/Address/CityName | City name of the physical address of the party to be notified | The value should be the city name of the physical address of the party to be notified |
| \| \| \| ├ Country, coded | Declaration/Consignment/NotifyParty/Address/CountryCode | Code of the country of the physical address of the party to be notified | The value should be the code of the country of the physical address of the party to be notified from the list Country name code (ISO 3166-1-alpha-2) |
| \| \| \| ├ Street and number/P.O. Box | Declaration/Consignment/NotifyParty/Address/Line | Street name of the physical address of the party to be notified | The value should be the street name and number (or equivalent) of the physical address of the party to be notified |
| \| \| \| └ Postcode identification | Declaration/Consignment/NotifyParty/Address/PostcodeID | Postal/Zip code of the physical address of the party to be notified | The value should be the postal/ZIP code of the physical address of the party to be notified |
| \| \| ├─ CUSTOMSOFFICEOFDEPARTURE | Declaration/Consignment/TransitDeparture | Class representing the customs office where the goods are loaded | |
| \| \| \| └ Identifier | Declaration/Consignment/TransitDeparture/ID | Unique identifier of the customs office of departure | The value should be the unique identifier used of the customs of departure, where the goods are loaded. This identifier is the one registered in the International TIR Data Bank (ITDB) for the customs office |
| \| \| ├─ CUSTOMSOFFICEOFDESTINATION | Declaration/Consignment/TransitDestination | Class representing the customs office where the goods are unloaded | |
| \| \| \| └ Identifier | Declaration/Consignment/TransitDestination/ID | Unique identifier of the customs office of destination | The value should be the unique identifier used of the customs of destination, where the goods are unloaded. This identifier is the one registered in the International TIR Data Bank (ITDB) for the customs office |
| \| \| ├─ TRANSPORTMEANS | Declaration/Consignment/TransitTransportMeans | Class representing the list of the means of transport for the consignment | |
| \| \| \| ├ Identifier | Declaration/Consignment/TransitTransportMeans/ID | Unique identifier of the transport means | The value should be the unique identifier of the means of transport used for the transit |
| \| \| \| ├ Type, coded | Declaration/Consignment/TransitTransportMeans/TypeCode | Code of the means of transport | The value should be the code of the means of transport from the list Transport means description code (UNECE Recommendation 28) |

| eTIR field name | Mapping to the XML element (XPath) | Description | Usage |
|---|---|---|---|
| │ │ ├ Nationality, coded | Declaration/Consignment/TransitTransportMeans/RegistrationNationalityCode | Nationality of the means of transport | The value should be the code of the country for the nationality of the means of transport from the list Country name code (ISO 3166-1-alpha-2) |
| │ │ ├ Conveyance reference number | Declaration/Consignment/TransitTransportMeans/JourneyID | Unique identifier of the journey | The value should be the unique identifier of the journey of a means of transport (for example voyage number, flight number or trip number) |
| │ │ ├ Sequence number | Declaration/Consignment/TransitTransportMeans/SequenceNumeric | Index of the transport means in the list | The value should be the 1-based index of the transport means in the list |
| │ │ └┬ COUNTRYOFROUTING | Declaration/Consignment/TransitTransportMeans/Itinerary | Class representing the list of countries of the itinerary of the consignment | |
| │ │   ├ Sequence number | Declaration/Consignment/TransitTransportMeans/Itinerary/SequenceNumeric | Index of the country in the list | The value should be the 1-based index of the country in the list representing the itinerary of the consignment |
| │ │   └ Country, coded | Declaration/Consignment/TransitTransportMeans/Itinerary/RoutingCountryCode | Code of the country | The value should be the code of the country from the list Country name code (ISO 3166-1-alpha-2) |
| │ └┬ TRANSPORTEQUIPMENT | Declaration/Consignment/TransportEquipment | Class representing the list of the transport equipment used for the consignment | |
| │   ├ Sequence number | Declaration/Consignment/TransportEquipment/SequenceNumeric | Index of the transport equipment in the list | The value should be the 1-based index of the transport equipment in the list |
| │   ├ Size and type, coded | Declaration/Consignment/TransportEquipment/CharacteristicCode | Code of the transport equipment | The value should be the code of the transport equipment (specifying its characteristics) from the list Equipment size and type description code (UN/EDIFACT 8155) |
| │   ├ Identifier | Declaration/Consignment/TransportEquipment/ID | Identifier of the transport equipment | The value should be marks (letters and/or numbers) which identify the transport equipment |
| │   └┬ CERTIFICATEOFAPPROVAL | Declaration/Consignment/TransportEquipment/AdditionalDocument | Class representing the details of the certificate of approval of the transport equipment | |
| │     ├ Number | Declaration/Consignment/TransportEquipment/AdditionalDocument/ID | Unique identifier of the certificate of approval | The value should be the unique identifier of the certificate of approval |
| │     ├ Issuing date time | Declaration/Consignment/TransportEquipment/AdditionalDocument/IssueDateTime | Issuing date of the document | The value should be a date to be provided following the EDIFACT 102 format CCYYMMDD (https://www.unece.org/trade/untdid/d00a/tred/tred2379.htm). For Example: 20200820 represents 20 August 2020 |
| │     ├ Type, coded | Declaration/Consignment/TransportEquipment/AdditionalDocument/TypeCode | Code of the type of file | The value should be the code of the type of the document from the list Document name code (UN/EDIFACT 1001) |

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

| eTIR field name | Mapping to the XML element (XPath) | Description | Usage |
|---|---|---|---|
| ├ Hash code | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/HashCode | Hash value of the file | The value should be the hash code string that resulted from hashing the attached file to be used for file reception validation |
| └ Hash code algorithm id | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/HashCodeAlgorithmIDCode | Code of the hash algorithm | The value should be the short name of the algorithm used to compute the hash value of the file |
| └─ SEAL | Declaration/Consignment/TransportEquipment/Seal | Class representing the list of seals affixed to the transport equipment | /!\ In the context of the eTIR specifications v4.3, this element shall not be provided /!\ |
| ├ Sequence number | Declaration/Consignment/TransportEquipment/Seal/SequenceNumeric | Index of the seal in the list | /!\ In the context of the eTIR specifications v4.3, this element shall not be provided /!\ |
| ├ Seal number | Declaration/Consignment/TransportEquipment/Seal/ID | Unique identifier of the seal | /!\ In the context of the eTIR specifications v4.3, this element shall not be provided /!\ |
| └ Seal type, coded | Declaration/Consignment/TransportEquipment/Seal/TypeCode | Code of the type of seal | /!\ In the context of the eTIR specifications v4.3, this element shall not be provided /!\ |
| ├─ GUARANTEE | Declaration/DeclarationGuarantee | Class representing the guarantee of this TIR transport | |
| ├ Validity date | Declaration/DeclarationGuarantee/ExpirationDateTime | Last day of validity of the guarantee for starting a TIR transport | 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 |
| ├ Reference | Declaration/DeclarationGuarantee/ReferenceID | Unique identifier of the guarantee | The value should be the unique identifier of the guarantee for this TIR transport |
| └ Guarantee type, coded | Declaration/DeclarationGuarantee/SecurityDetailsCode | Code of the guarantee type | This value should be the code of the guarantee type from the list Guarantee type code (eTIR) list |
| └─ HOLDER | Declaration/Principal | Class representing the TIR Carnet holder (transporter) of this transport | |
| ├ Name | Declaration/Principal/Name | Name of the TIR Carnet holder | The value should be the official company name, or the first and last name of the person in case of physical person as recorded in the International TIR Data Bank (ITDB), to allow for quick identification |
| ├ Identifier | Declaration/Principal/ID | Unique identifier of the TIR Carnet holder | The value should be the unique identifier of the TIR Carnet holder as recorded in the International TIR Data Bank (ITDB) |
| └─ ADDRESS | Declaration/Principal/Address | Class representing the physical address of the TIR Carnet holder | |
| ├ City name | Declaration/Principal/Address/CityName | City name of the physical address of the TIR Carnet holder | The value should be the city name of the physical address of the TIR Carnet holder |

| eTIR field name | Mapping to the XML element (XPath) | Description | Usage |
|---|---|---|---|
| ├ Country, coded | Declaration/Principal/Address/CountryCode | Code of the country of the physical address of the TIR Carnet holder | The value should be the code of the country of the physical address of the TIR Carnet holder from the list Country name code (ISO 3166-1-alpha-2) |
| ├ Street and number/P.O. Box | Declaration/Principal/Address/Line | Street name of the physical address of the TIR Carnet holder | The value should be the street name and number (or equivalent) of the physical address of the TIR Carnet holder |
| └ Postcode identification | Declaration/Principal/Address/PostcodeID | Postal/Zip code of the physical address of the TIR Carnet holder | The value should be the postal/ZIP code of the physical address of the TIR Carnet holder |
| └─ 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 list of potential TIR operations that have already been carried out with the guarantee | |
| ├ Sequence number | ObligationGuarantee/TransitOperation/SequenceNumeric | Index of the TIR operation in the list | The value should be the 1-based index of the TIR operation in the list |
| ├ Registration number | ObligationGuarantee/TransitOperation/RegistrationID | Identifier of the TIR operation | The value should be the unique identifier under which the TIR operation is nationally registered |
| ├─ START | ObligationGuarantee/TransitOperation/OperationStart | Class representing the details related to the start of the TIR operation | |
| ├ End date time | ObligationGuarantee/TransitOperation/OperationStart/InspectionEndDateTime | Date and time when the TIR operation has been started | The value should be a date and time to be provided following the EDIFACT 208 format CCYYMMDDHHMMSSZHHMM (http://www.unece.org/trade/untdid/d13b/tred/tred2379.htm). For Example: 20200820145600+0100 represents 20 August 2020 at 14:56 UTC+01:00 |

| eTIR field name | Mapping to the XML element (XPath) | Description | Usage |
|---|---|---|---|
| ├ Time limit date time | ObligationGuarantee/TransitOperation/OperationStart/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 (https://www.unece.org/trade/untdid/d00a/tred/tred2379.htm). For Example: 20200820 represents 20 August 2020. If it is a date and time, it should follow 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. |
| ├─ ADDITIONALINFORMATION | ObligationGuarantee/TransitOperation/OperationStart/AdditionalInformation | Class representing the potential additional information regarding the start of the TIR operation | |
| └ Remarks | ObligationGuarantee/TransitOperation/OperationStart/AdditionalInformation/Content | Remarks added when starting the TIR operation | The value should be the remark text a customs officer would record when starting the TIR operation |
| ├─ CONSIGNMENT | ObligationGuarantee/TransitOperation/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 list Seal type code (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 list Control type code (eTIR) |

| eTIR field name | Mapping to the XML element (XPath) | Description | Usage |
|---|---|---|---|
| │ │ └─┬ 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 list Control result code (eTIR) |
| │ ├─┬ NATIONALITINERARY | ObligationGuarantee/TransitOperation/OperationStart/Itinerary | Class representing the potential national itinerary that has to be followed by the TIR transport, mentioning one or more customs offices to be visited | |
| │ │ └─┬ NATIONALITINERARYCUSTOMSOFFICE | ObligationGuarantee/TransitOperation/OperationStart/Itinerary/ItineraryGovernmentOffice | Class representing the details identifying a customs office that has to be visited by the TIR transport during its itinerary | |
| │ │ └ Identifier | ObligationGuarantee/TransitOperation/OperationStart/Itinerary/ItineraryGovernmentOffice/ID | Unique identifier of the customs office of the itinerary | The value should be the unique identifier of the customs office of the itinerary. This identifier is the one recorded in the International TIR Data Bank (ITDB) for the customs office |
| │ └─┬ CUSTOMSOFFICE | ObligationGuarantee/TransitOperation/OperationStart/TransitOperationStartOffice | Class representing the details of the customs office where the TIR operation started | |
| │ └ Identifier | ObligationGuarantee/TransitOperation/OperationStart/TransitOperationStartOffice/ID | Unique identifier of the customs office where the TIR operation is started | The value should be the unique identifier of the customs office where the TIR operation is started. This identifier is the one recorded in the International TIR Data Bank (ITDB) for the customs office |
| ├─┬ TERMINATION | ObligationGuarantee/TransitOperation/OperationTermination | Class representing the details related to the termination of the TIR operation | |
| │ ├ End date time | ObligationGuarantee/TransitOperation/OperationTermination/InspectionEndDateTime | Date and time when the TIR operation has been terminated | The value should be a date and time to be provided following the EDIFACT 208 format CCYYMMDDHHMMSSZHHMM (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 potentially 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 | |

| eTIR field name | Mapping to the XML element (XPath) | Description | Usage |
|---|---|---|---|
|   │  └ Reservations | ObligationGuarantee/TransitOperation/OperationTerminati on/AdditionalInformation/Content | Reservations/remarks added when terminating the TIR operation | The value should be the reservations a customs officer would have added when terminating the TIR operation |
|   │├── CONSIGNMENT | ObligationGuarantee/TransitOperation/OperationTerminati on/Consignment | Class representing potential parent object grouping details about all transport equipments and related seals information | |
|   │ └── TRANSPORTEQUIPMENT | ObligationGuarantee/TransitOperation/OperationTerminati on/Consignment/TransportEquipment | Class representing the list of all transport equipments used for all consignments in the TIR operation | |
|   │   ├ Identifier | ObligationGuarantee/TransitOperation/OperationTerminati on/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/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://etir.org/documentation/code-lists# 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 | |
|   │├ 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 | |
|   │  └ 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 | |
|    └ Identifier | 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 |
| ├── DISCHARGE | ObligationGuarantee/TransitOperation/OperationDischarge | Class representing the details related to the discharge of the TIR operation | |

| eTIR field name | Mapping to the XML element (XPath) | Description | Usage |
|---|---|---|---|
| ├─ End date time | ObligationGuarantee/TransitOperation/OperationDischarge /InspectionEndDateTime | Date and time when the TIR operation has just been discharged | The value should be a date and time to be provided following the EDIFACT 208 format CCYYMMDDHHMMSSZHHMM (http://www.unece.org/trade/untdid/d13b/ tred/tred2379.htm). For Example: 20200820145600+0100 represents 20 August 2020 at 14:56 UTC+01:00 |
| └─ CUSTOMSOFFICE | ObligationGuarantee/TransitOperation/OperationDischarge /TransitOperationDischargeOffice | Class representing the details of the customs office where the TIR operation is discharged | |
| └ Identifier | ObligationGuarantee/TransitOperation/OperationDischarge /TransitOperationDischargeOffice/ID | Unique identifier of the customs office where the TIR operation is discharged | The value should be the unique identifier of the customs office where the TIR operation is discharged. This identifier is the one recorded in the International TIR Data Bank (ITDB) for the customs office |
| └─ REFUSALTOSTART | ObligationGuarantee/TransitOperation/RefusalToStart | Class representing the details related to the refusal to start the TIR operation | |
| ├ End date time | ObligationGuarantee/TransitOperation/RefusalToStart/Ins pectionEndDateTime | Date and time when the TIR operation has been refused to be started | The value should be a date and time to be provided following the EDIFACT 208 format CCYYMMDDHHMMSSZHHMM (http://www.unece.org/trade/untdid/d13b/ tred/tred2379.htm). For Example: 20200820145600+0100 represents 20 August 2020 at 14:56 UTC+01:00 |
| ├─ ADDITIONALINFORMATION | ObligationGuarantee/TransitOperation/RefusalToStart/Add itionalInformation | Class representing additional information regarding the refusal to start the TIR operation | |
| └ Reason | ObligationGuarantee/TransitOperation/RefusalToStart/Add itionalInformation/Content | Reason for refusing to start the TIR operation | The value should be the reason(s) a customs officer would have refused to start a TIR operation |
| ├─ CONTROL | ObligationGuarantee/TransitOperation/RefusalToStart/Con trol | Class representing the details of the control performed by the customs officer before refusing to start the TIR operation | |
| ├ Type, coded | ObligationGuarantee/TransitOperation/RefusalToStart/Con trol/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/RefusalToStart/Con trol/ControlResult | Class representing the details of the outcome of the control performed by the customs officer | |
| └ Result, coded | ObligationGuarantee/TransitOperation/RefusalToStart/Con trol/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/RefusalToStart/Tra nsitOperationStartOffice | Class representing the details of the customs office where the TIR operation is refused to be started | |

| eTIR field name | Mapping to the XML element (XPath) | Description | Usage |
|---|---|---|---|
| └ Identifier | ObligationGuarantee/TransitOperation/RefusalToStart/TransitOperationStartOffice/ID | Unique identifier of the customs office where the TIR operation is refused to be started | The value should be the unique identifier of the customs office where the TIR operation is refused to be started. This identifier is the one recorded in the International TIR Data Bank (ITDB) for the customs office |

⚠️ 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 receiving the message:

- CL01 - Equipment size and type description code (UN/EDIFACT 8155)
- CL02 - Party role code (UN/EDIFACT 3035)
- CL03 - Item type identification code (UN/EDIFACT 7143)
- CL04 - Country name code (ISO 3166-1-alpha-2)
- CL05 - Transport means description code (UNECE Recommendation 28)
- CL06 - Document name code (UN/EDIFACT 1001)
- CL07 - Package type description code (UNECE Recommendation 21 Annex VI)
- CL08 - Seal type code (eTIR)
- CL12 - Guarantee type code (eTIR)
- CL16 - Message function code (UN/EDIFACT 1225)
- CL17 - Amendment type code (eTIR)
- 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:

- **R001:** *Each country of routing shall have a unique sequence number. They shall be numbered from 1 to the number of countries through which the means of transport travels and represent the order in which countries are travelled, from departure to destination.*
- **R002:** *Each transport means shall have a unique sequence number. They shall be numbered from 1 to the number of transport means involved in the transport and represent the order in which transport means are used, from departure to destination.*
- **R003:** *Re-use a sequence number to indicate that a seal has been replaced.*
- **R004:** *Use new sequence number only to mention additional seals.*
- **R005:** *Indicate that a seal has been removed and not replaced with an "X" in the "seals number" field of the transport equipment sequence corresponding to the removed seal.*
- **R006:** *Required in case the seals have been changed, added or removed.*
- **R007:** *Even in case of multiple consignments in the declaration, only the first consignment is listed, and all transport equipment used must be listed only in that consignment.*
- **R008:** *The first occurrence of GOODS.CLASSIFICATION must be of type "HS".*

## 6.3.6. How the national customs system should process the information received in the notification

Upon reception, the **I15 - Notify customs** message should be validated and any error found should be returned in the **I16 - Notification confirmation** message.

Depending on the event triggering the communication of the notification, the eTIR international system will fill specific fields of the **I15 - Notify customs** message. Since the national customs system does not about know the reason for sending this notification, it should process the entire message and record in its database all the information contained in the message.

In the events described in Declaration, the eTIR international system will send the information about the declaration data in the "DECLARATIONDATA" class of the message. In this scenario, the national customs system records all information related to the TIR transport in its database (if it's the first time it receives this declaration) and will return, in the **I16 - Notification confirmation** message, the national reference associated to the TIR transport.

In the events described in Seals, the eTIR international system will send the information related to the seals either in the "GUARANTEE/TIROPERATION/START" class or in the "GUARANTEE/TIROPERATION/TERMINATION" class. In this scenario, the national customs system records the information about the new seals in its database.

## 6.3.7. Example

The example below shows the XML data to be sent via POST method to the national customs system endpoint URL to notify each customs authorities of the countries along the itinerary of information related to the beginning of the TIR transport related to the seals information during a Start TIR operation at customs office **GE0715** for the TIR transport related to the guarantee **XF95001234**. This request message (Message function: **T7 - New declaration data**) of the type **I15**, describes a TIR transport declaration data that was issued on **09/04/2021** at **09:45 UTC+4** by the customs office **GE0715**, regarding a consignment of 15 tons of "COVID-19 Diagnostic Test instruments and apparatus" sent by truck from Georgia to Iran (through Turkey) by the TIR Carnet holder **GEO/054/9890**. There is a CMR as an attached document and also the certificate of approval for the transport equipment.

*I15 - Notify customs request message*

```xml
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope">
    <soap:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
        (...)
        <wsa:Action>etir:v4.3:toCustoms/notifyCustoms</wsa:Action>
        <wsa:MessageID>uuid:7538f686-a769-4120-a922-1fa671f43d1e</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-bf84dd2d-3344-4867-81c1-919188eb3381">
        <ns3:notifyCustoms xmlns:ns3="etir:v4.3:toCustoms" xmlns:md="etir:DocumentMetaData:v4.3"
                        xmlns:ns4="etir:I15:v4.3" xmlns:ns2="etir:MetaData_ns2:v4.3">
            <ns4:DocumentMetadata>
                <md:ResponsibleAgencyCode>AJ</md:ResponsibleAgencyCode>
                <md:AgencyAssignedCustomizationCode>1</md:AgencyAssignedCustomizationCode>
                <md:AgencyAssignedCustomizationVersionCode>1</md:AgencyAssignedCustomizationVersionCode>
                <md:CommunicationMetaData>
                    <md:PreparationDateTime formatCode="208">20201122113346+0200</md:PreparationDateTime>
                    <md:Recipient>
                        <md:ID>recipientID</md:ID>
                    </md:Recipient>
                    <md:Sender>
                        <md:ID>eTIR international system</md:ID>
```

```
                        </md:Sender>
                </md:CommunicationMetaData>
                <ns4:InterGov>
                        <ns4:FunctionCode>T7</ns4:FunctionCode>
                        <ns4:ID>55d70f8a-4cbc-4132-88b4-706ce7ca7cf3</ns4:ID>
                        <ns4:TypeCode>I15</ns4:TypeCode>
                        <ns4:Declaration>
                                <ns4:IssueDateTime formatCode="208">20210409094536+04 00</ns4:IssueDateTime>
                                <!--Optional:-->
                                <ns4:AdditionalInformation/>
                                <!--Optional:-->
                                <ns4:Agent>
                                        <ns2:ID>AG2457-GEO154</ns2:ID>
                                        <ns2:RoleCode>AG</ns2:RoleCode>
                                </ns4:Agent>
                                <!--Optional:-->
                                <ns4:Carrier>
                                        <ns2:ID>GEO/054/9890</ns2:ID>
                                </ns4:Carrier>
                                <!--Zero or more repetitions:-->
                                <ns4:Consignment>
                                        <ns2:SequenceNumeric>1</ns2:SequenceNumeric>
                                        <ns2:HeavyOrBulkyGoodsIndicator>0</ns2:HeavyOrBulkyGoodsIndicator>
                                        <!--Zero or more repetitions:-->
                                        <ns2:AdditionalDocument>
                                                <ns2:ID>attached_document_001</ns2:ID>
                                                <ns2:IssueDateTime formatCode="102">20210403</ns2:IssueDateTime>
                                                <ns2:TypeCode>730</ns2:TypeCode>
                                                <ns2:BinaryFile>
                                                        <ns2:ID>1</ns2:ID>
                                                        <ns2:Title>CMR</ns2:Title>
                                                        <ns2:IncludedBinaryObjectBinaryObject>dGhpcyBpcyBhIH (...) Rlc3QgZmlsZQ==
                                                        </ns2:IncludedBinaryObjectBinaryObject>
                                                        <ns2:AuthorName>Gérard Menvuça</ns2:AuthorName>
                                                        <ns2:VersionID>1</ns2:VersionID>
                                                        <ns2:FileNametext>cmr12482.pdf</ns2:FileNametext>
                                                        <ns2:MIMECode>application/pdf</ns2:MIMECode>
                                                        <ns2:EncodingCode>UTF-8</ns2:EncodingCode>
                                                        <ns2:CharacterSetCode>UTF-8</ns2:CharacterSetCode>
                                                        <ns2:Description>The CMR linked to the TIR transport</ns2:Description>
                                                        <ns2:SizeMeasure unitCode="2P">754</ns2:SizeMeasure>
                                                        <ns2:TypeCode>pdf</ns2:TypeCode>
                                                        <ns2:HashCode>54b0c58c7ce9f2a8b551351102ee0938</ns2:HashCode>
                                                        <ns2:HashCodeAlgorithmIDCode>MD5</ns2:HashCodeAlgorithmIDCode>
                                                </ns2:BinaryFile>
                                        </ns2:AdditionalDocument>
                                        <!--1 or more repetitions:-->
                                        <ns2:ConsignmentItem>
                                                <ns2:SequenceNumeric>1</ns2:SequenceNumeric>
                                                <!--Zero or more repetitions:-->
                                                <ns2:AdditionalInformation>
                                                        <ns2:Content>Instruments used in clinical laboratories for In Vitro Diagnosis
                                                        </ns2:Content>
                                                </ns2:AdditionalInformation>
                                                <ns2:Commodity>
                                                        <ns2:CargoDescription>COVID-19 Diagnostic Test instruments and apparatus
                                                        </ns2:CargoDescription>
                                                        <!--Zero or more repetitions:-->
                                                        <ns2:Classification>
                                                                <ns2:ID>9027.80</ns2:ID>
                                                                <ns2:IdentificationTypeCode>HS</ns2:IdentificationTypeCode>
                                                        </ns2:Classification>
                                                </ns2:Commodity>
                                                <!--Optional:-->
                                                <ns2:Consignee>
                                                        <ns2:ID>CE368324456</ns2:ID>
                                                </ns2:Consignee>
```

```
                            <!--Optional:-->
                            <ns2:Consignor>
                                <ns2:ID>CO654832668</ns2:ID>
                            </ns2:Consignor>
                            <!--Optional:-->
                            <ns2:DeliveryDestination>
                                <ns2:Name>Tehran Fictitious Hospital</ns2:Name>
                                <ns2:Address>
                                    <ns2:CityName>Tehran</ns2:CityName>
                                    <ns2:CountryCode>IR</ns2:CountryCode>
                                    <ns2:Line>Shoosh St</ns2:Line>
                                    <ns2:PostcodeID>1230</ns2:PostcodeID>
                                </ns2:Address>
                            </ns2:DeliveryDestination>
                            <ns2:GoodsMeasure>
                                <ns2:GrossMassMeasure>15000</ns2:GrossMassMeasure>
                            </ns2:GoodsMeasure>
                            <ns2:Packaging>
                                <ns2:TypeCode>VO</ns2:TypeCode>             <!-- no quantity rule C002 !-->
                            </ns2:Packaging>
                            <!--Optional:-->
                            <ns2:TransportEquipment>
                                <ns2:ID>TE1</ns2:ID>
                            </ns2:TransportEquipment>
                            <!--Optional:-->
                            <ns2:UCR>
                                <!--Optional:-->
                                <ns2:ID>UCR</ns2:ID>
                            </ns2:UCR>
                        </ns2:ConsignmentItem>
                        <!--Optional:-->
                        <ns2:LoadingLocation>
                            <!--Optional:-->
                            <ns2:Name>Fictitious Factory</ns2:Name>
                        </ns2:LoadingLocation>
                        <!--Optional:-->
                        <ns2:NotifyParty>
                        </ns2:NotifyParty>
                        <ns2:TransitDeparture>
                            <ns2:ID>GE0715</ns2:ID>
                        </ns2:TransitDeparture>
                        <ns2:TransitDestination>
                            <ns2:ID>IR10210</ns2:ID>
                        </ns2:TransitDestination>
                        <!--1 or more repetitions:-->
                        <ns2:TransitTransportMeans>
                            <ns2:ID>CM-875-KZ</ns2:ID>
                            <ns2:TypeCode>33</ns2:TypeCode>
                            <ns2:RegistrationNationalityCode>GE</ns2:RegistrationNationalityCode>
                            <ns2:JourneyID>J-12745124</ns2:JourneyID>
                            <ns2:Itinerary>
                                <ns2:SequenceNumeric>1</ns2:SequenceNumeric>
                                <ns2:RoutingCountryCode>GE</ns2:RoutingCountryCode>
                            </ns2:Itinerary>
                            <ns2:Itinerary>
                                <ns2:SequenceNumeric>2</ns2:SequenceNumeric>
                                <ns2:RoutingCountryCode>TR</ns2:RoutingCountryCode>
                            </ns2:Itinerary>
                            <ns2:Itinerary>
                                <ns2:SequenceNumeric>3</ns2:SequenceNumeric>
                                <ns2:RoutingCountryCode>IR</ns2:RoutingCountryCode>
                            </ns2:Itinerary>
                        </ns2:TransitTransportMeans>
                        <!--Zero or more repetitions:-->
                        <ns2:TransportEquipment>
                            <ns2:SequenceNumeric>1</ns2:SequenceNumeric>
                            <ns2:CharacteristicCode>CC1</ns2:CharacteristicCode>
```

```
                             <ns2:ID>TE1</ns2:ID>
                             <ns2:AdditionalDocument>
                                 <ns2:ID>CoA-4873218</ns2:ID>
                                 <ns2:IssueDateTime formatCode="208">20201122113346+0400</ns2:IssueDateTime>
                                 <ns2:TypeCode>CoA</ns2:TypeCode>
                                 <ns2:BinaryFile>
                                     <ns2:ID>1</ns2:ID>
                                     <ns2:Title>Certificate of approval</ns2:Title>
                                     <ns2:AuthorName>Georgia Revenue Service</ns2:AuthorName>
                                     <ns2:VersionID>1</ns2:VersionID>
                                     <ns2:URIID>https://my.server/fileFolder/CoA.pdf</ns2:URIID>
                                     <ns2:Access>Password:mysecurepassword</ns2:Access>
                                     <ns2:Description>The scan copy of the certificate of approval of the TIR
truck
                                     </ns2:Description>
                                     <ns2:SizeMeasure unitCode="4L">2.457</ns2:SizeMeasure>
                                     <ns2:TypeCode>pdf</ns2:TypeCode>
                                     <ns2:HashCode>4b8c7b76204678a76d6a8ab83f5563d0</ns2:HashCode>
                                     <ns2:HashCodeAlgorithmIDCode>MD5</ns2:HashCodeAlgorithmIDCode>
                                 </ns2:BinaryFile>
                             </ns2:AdditionalDocument>
                             <!--Zero or more repetitions:-->
                             <ns2:Seal>
                             </ns2:Seal>
                         </ns2:TransportEquipment>
                     </ns4:Consignment>
                     <!--Zero or more repetitions:-->
                     <ns4:DeclarationGuarantee>
                         <ns4:ExpirationDateTime formatCode="102">20211122</ns4:ExpirationDateTime>
                         <ns4:ReferenceID>XF95001234</ns4:ReferenceID>
                     </ns4:DeclarationGuarantee>
                     <!--Optional:-->
                     <!--principal mandatory for process even if not in wsdl-->
                     <ns4:Principal>
                         <ns4:ID>GEO/054/9890</ns4:ID>
                     </ns4:Principal>
                 </ns4:Declaration>
                 <ns4:ObligationGuarantee>
                     <ns4:ReferenceID>XF95001234</ns4:ReferenceID>
                 </ns4:ObligationGuarantee>
             </ns4:InterGov>
         </ns4:DocumentMetadata>
     </ns3:notifyCustoms>
 </soap:Body>
</soap:Envelope>
```

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

ℹ️ More examples of the I15 - Notify customs request message and of the I16 - Notification confirmation response message are available in the More examples annex of this document.

# 6.4. "I16 - Notification confirmation" response message

## 6.4.1. Description

The national customs system returns the **I16 - Notification confirmation** response message to the eTIR international system to confirm the reception of the notification and to provide the national reference of the TIR transport (when the notification in received in case of new or updated declaration data).

The XSD file related to the **I16 - Notification confirmation** message is available at the following URL: https://wiki.unece.org/download/attachments/106299941/WCO_eTIR_I16_1.xsd.

## 6.4.2. Field details

ℹ️ Kindly note that the metadata fields have been removed from this table has been removed to improve the readability, as it is part of every eTIR message. You can find the details about metadata in the eTIR introduction document dedicated section.

| eTIR field name | Mapping to the XML element (XPath) | Status | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| MESSAGE | | | | | | | |
| ├ Message function, coded | Function | R | 1..1 | n..2 | CL16 | | |
| ├ Original Message Identifier | FunctionalReferenceID | R | 1..1 | an..70 | | | |
| ├ Message identifier | ID | R | 1..1 | an..70 | | | |
| ├ Type, coded | TypeCode | R | 1..1 | an..3 | CL26 | | |
| ├┬ DECLARATIONDATA | Declaration | O | 0..1 | | | | RO11 |
| │ └┬ NATIONALREFERENCE | Declaration/NationalReference | R | 1..1 | | | | |
| │ ├ Reference | Declaration/NationalReference/ID | R | 1..1 | an..35 | | | |
| │ └ Country, coded | Declaration/NationalReference/IssuingCountryCode | R | 1..1 | a2 | CL04 | | |
| └┬ ERROR | Error | D | 0..* | | | C006 | |
| ├ Error, coded | Error/ValidationCode | R | 1..1 | an..8 | CL99 | | |
| └┬ POINTER | Error/Pointer | R | 1..* | | | | |
| ├ Sequence number | Error/Pointer/SequenceNumeric | R | 1..1 | n..5 | | | |
| └ Location | Error/Pointer/Location | R | 1..1 | an..512 | | | |

## 6.4.3. Field descriptions & usages

ℹ️ Kindly note that the metadata fields have been removed from this table has been removed to improve the readability, as it is part of every eTIR message. You can find the details about metadata in the eTIR introduction document dedicated section.

| 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 "6" (Confirmation) 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 (I15) |
| ├ 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 "I16" |
| ├┬ DECLARATIONDATA | Declaration | Class representing the declaration data as accepted by customs | |
| │ └┬ NATIONALREFERENCE | Declaration/NationalReference | Class representing the list of national references under which the declaration data has been saved in the countries along the itinerary of the transport | |
| │ ├ Reference | Declaration/NationalReference/ID | Identifier of the national reference of the declaration | The value should be the identifier of the national reference under which the declaration has been saved in the country which has received the "I15 - Notify customs" notification message |
| │ └ Country, coded | Declaration/NationalReference/IssuingCountryCode | Code of the country along the itinerary | The value should be the code of the country which has received the notification "I15" from the list Country name code (ISO 3166-1-alpha-2) (https://etir.org/documentation/code-lists#page=38) |
| └┬ 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 |

| eTIR field name | Mapping to the XML element (XPath) | Description | Usage |
|---|---|---|---|
| └ 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 |

⚠ 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)
- 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 rules of the eTIR rules list are referred to in the field lists and should be considered in the message:

- **R011:** *If the Message confirms the reception of declaration data (original or amended) then the "National Reference" information must be provided.*

## 6.4.6. How the national customs system should prepare and send the notification confirmation

If one or more errors were detected during the validation of the **I15 - Notify customs** message, they should be listed in the **I16 - Notification confirmation** message.

If no error was found, the national customs system will generate the **I16 - Notification confirmation** message and send it to the eTIR international system to acknowledge receipt of the notification. In case the **I15 - Notify customs** message was sent to forward information related to the declaration data, the national customs system should return the national reference information used to record the TIR transport.

## 6.4.7. Applicable error codes

> ⚠️  It is important that in the context of **I15 - Notify customs** / **I16 - Notification confirmation** messages, all possible errors are to be detected and returned by the national customs system if found. The eTIR web services introduction document contains a dedicated section describing how and where to add those error codes in the response messages. Find below the list of error codes that may be returned as part of the **I16 - Notification confirmation** response message:

### 100 - Invalid message

Kindly check the message itself and its format as it is not recognized by the eTIR international system. Kindly contact the eTIR service desk to send the content of the message communicated, the timestamps and the steps to reproduce this issue in order to address it.

### 101 - Missing field

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 for the value

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.

## 105 - Field value 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.

## 106 - Invalid pattern

Kindly check the pattern of the parameter value as it does not match the requirements set for this attribute in XML Schema Definition of the message.

## 107 - Invalid field

Kindly check the element specified as it may not follow the order defined in the XML Schema Definition of the message.

## 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.

## 214 - Operation ID already registered

Kindly check the message ID and that it is not conflicting with another operation ID.

## 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.

> ℹ 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 **I16 - Notification confirmation** message sent to the eTIR international system endpoint URL, by the national customs system, in response to the POST of the **I15 - Notify customs** message received from the eTIR international system. This response message (Function code **6 - Confirmation**) of the type **I16**, containing no error codes, describes a confirmation of the reception of the notification by the customs authorities from Iran (**IR**) and returns the national reference of the TIR transport issued by their national customs system: **TIR-XF95001234**. Therefore, it should be considered that the notification has been duly received and recorded in the national customs system.

It is important to understand that the absence of error in the **I16 - Notification confirmation** response message is the key indicator to reflect that the notification has been received and acknowledged.

*I16 - Notification confirmation response message*

```xml
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope">
    <soap:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
        (...)
        <wsa:Action>etir:v4.3:toCustoms/notificationConfirmation</wsa:Action>
        <wsa:MessageID>uuid:256b0d3c-d220-47ed-a3bd-9b4d29289572</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-157c8636-0d0b-48ac-bd58-67da0007c354">
        <ns3:notificationConfirmation xmlns:ns3="etir:v4.3:toCustoms" xmlns:ns4="etir:I16:v4.3"
                                       xmlns:md="etir:DocumentMetaData:v4.3">
            <ns4:DocumentMetadata>
                <md:ResponsibleAgencyCode>AJ</md:ResponsibleAgencyCode>
                <md:AgencyAssignedCustomizationCode>1</md:AgencyAssignedCustomizationCode>
                <md:AgencyAssignedCustomizationVersionCode>1</md:AgencyAssignedCustomizationVersionCode>
                <md:CommunicationMetaData>
                    <md:PreparationDateTime formatCode="208">20201122113346+0200</md:PreparationDateTime>
                    <md:Recipient>
                        <md:ID>eTIR international system</md:ID>
                    </md:Recipient>
                    <md:Sender>
                        <md:ID>recipientID</md:ID>
                    </md:Sender>
                </md:CommunicationMetaData>
                <ns4:InterGov>
                    <ns4:FunctionCode>6</ns4:FunctionCode>
                    <ns4:FunctionalReferenceID>55d70f8a-4cbc-4132-88b4-706ce7ca7cf3</ns4:FunctionalReferenceID>
                    <ns4:ID>ec8682bc-f3b2-48b9-a4de-f03c3fa8e9d9</ns4:ID>
                    <ns4:TypeCode>I16</ns4:TypeCode>
                    <ns4:Declaration>
                        <ns4:ID>XF95001234</ns4:ID>
                        <ns4:NationalReference>
                            <ns4:ID>TIR-XF95001234</ns4:ID>
                            <ns4:IssuingCountryCode>IR</ns4:IssuingCountryCode>
                        </ns4:NationalReference>
                    </ns4:Declaration>
                </ns4:InterGov>
            </ns4:DocumentMetadata>
        </ns3:notificationConfirmation>
    </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

The eTIR international system features a technical fallback mechanism to ensure the best chances for all notifications to be communicated and acknowledged.

For example, in the context of the reception of the declaration data from the customs office of departure, the eTIR international system sends **I15 - Notify customs** notification message to all subsequent countries along the itinerary of the TIR transport:
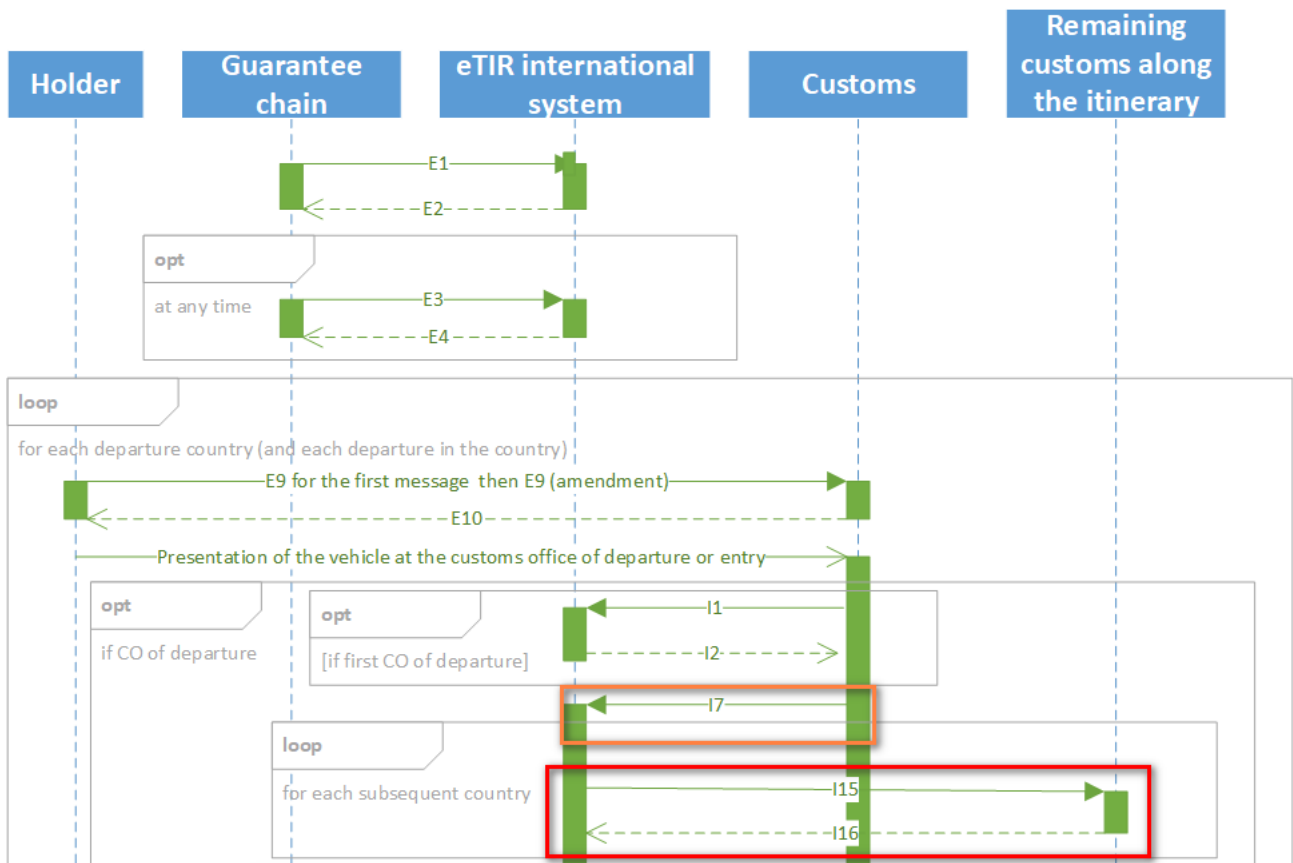


The eTIR international system uses a queuing system to retry sending notifications. The diagram below illustrates this fallback mechanism:
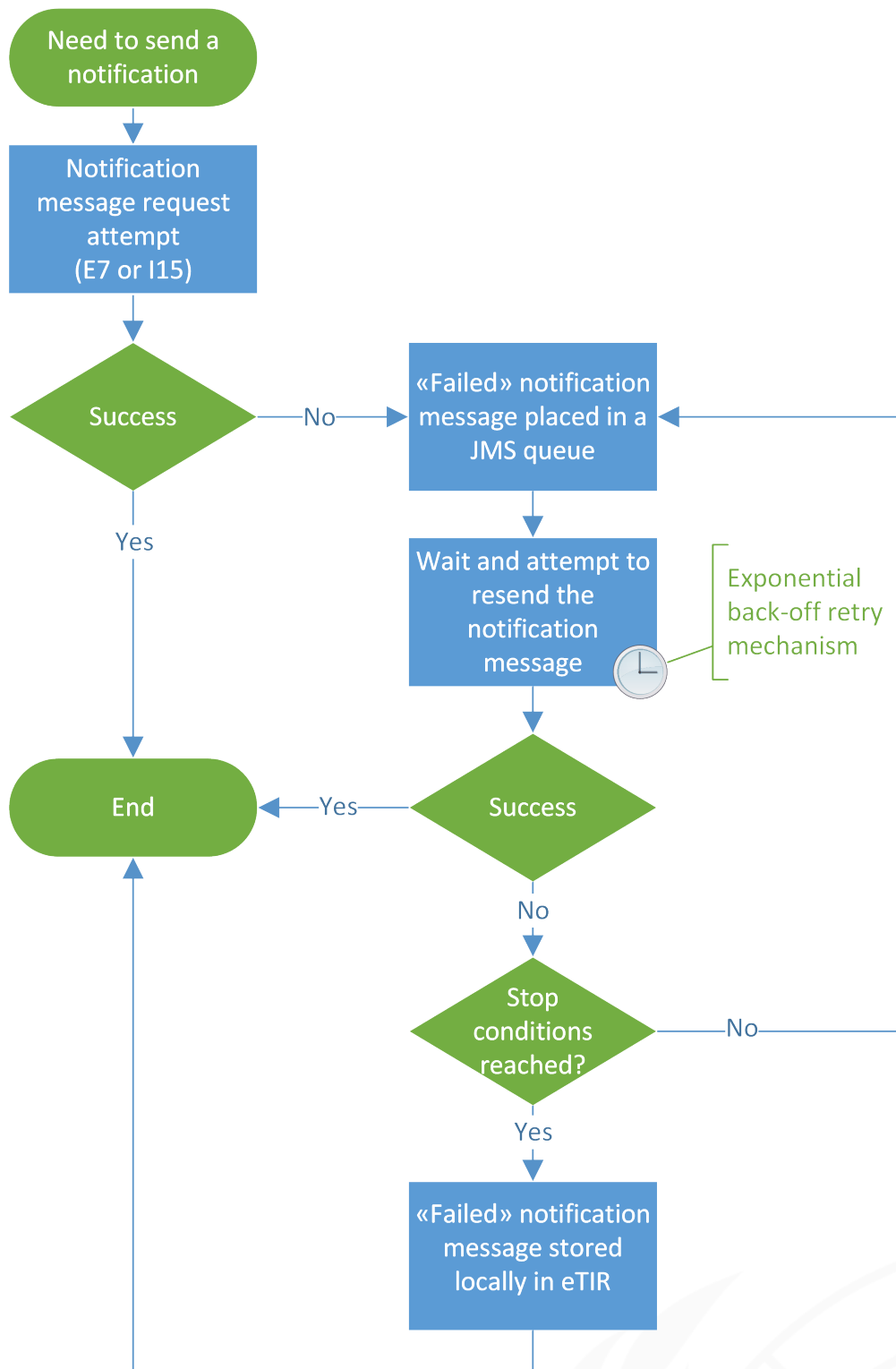
This mechanism relies on the **exponential back-off retry algorithm** allowing for progressively longer delays when retrying attempts in order to increase chances of success.

In the eTIR international system fallback mechanism case, the following parameters are used for the exponential back-off retry mechanism:

- **Delay interval:** 5
- **Maximum retry attempts:** 50
- **back-off rate:** 1.246

Based on these parameters, the chart below illustrates the extending rate of the retries:
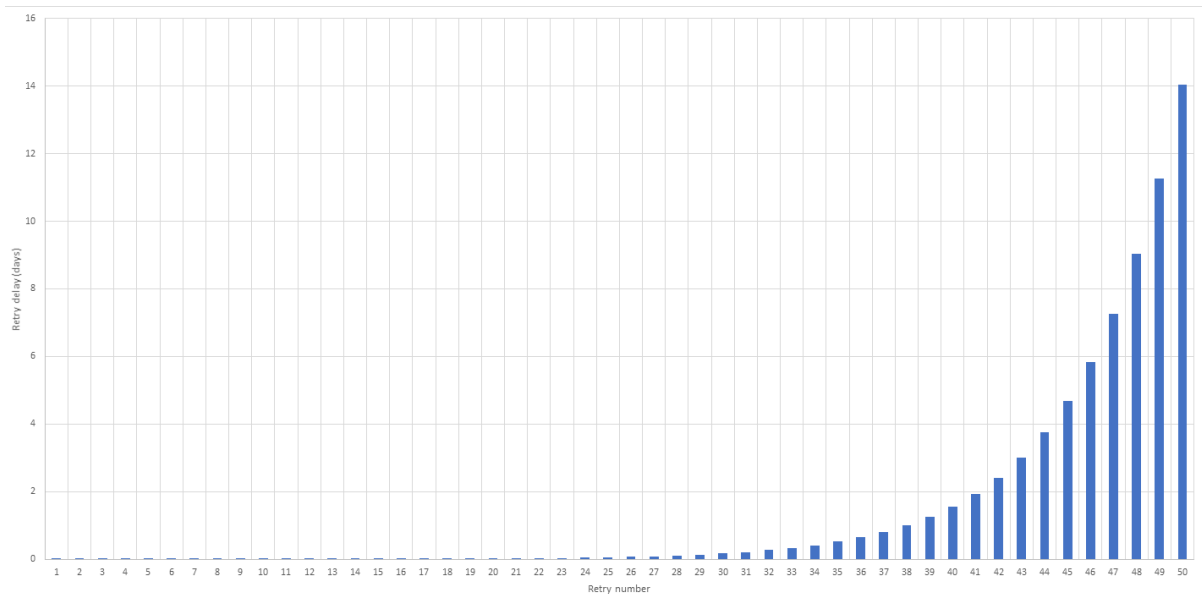


As described in the functional fallback procedures, the eTIR international system will retry sending the notification message **I15 - Notify customs** until it succeeds in communicating it to the national customs system or if one of the stop conditions is met. One of these conditions is when 50 retries are reached, which corresponds to 15 days after having tried sending the notification the first time.

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 eTIR service desk 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<br>TIR secretariat<br>Palais des Nations,<br>1211 Geneva 10, Switzerland |
| --- | --- |
| *Contact* | Email: etir@un.org<br>Phone: +41 (0)22 917 55 06 |

# 9. Annexes

## 9.1. Version history

| Date | Author | Version | Notes | eTIR specification version reference |
|------|--------|---------|-------|--------------------------------------|
| 07/01/2021 | TIR secretariat | 1.0 | Initial draft | 4.3a |
| 07/09/2021 | TIR secretariat | 1.1 | Added message metadata documentation and updated URLs to point to new eTIR documentation portal | 4.3.0 |

## 9.2. More examples

Please find below two additional examples of the I15 - Notify customs message showing other cases when national customs systems can be notified by the eTIR international system. Only the request messages are provided as there is no change with the response messages.

### 9.2.1. Example 1: Notification sent when starting a TIR operation

**I15 - Notify customs request message:**

This scenario describes the case where the first TIR operation of a TIR transport is started by the customs office of departure where the seals are affixed on the transport equipments. After having sent the **I1 - Accept guarantee** and **I7 - Record declaration data** messages to the eTIR international system, the national customs system will also send the **I9 - Start TIR operation** message. The eTIR international system will detect that the seals are affixed for the first time and will then notify the remaining countries along the itinerary about this information.

The example below shows the XML data to be sent via POST method to the national customs system endpoint URL to notify each customs authorities of the countries along the itinerary when the seals are first affixed. This request message (Message function: **T9 - Seals information when starting a TIR operation**) of the type **I15**, describes a change of declaration data with seals information during a Start TIR operation at customs office **GE0715** for the TIR transport related to the guarantee **XF95001234**.

*Notification sent when seals are affixed or the first time*

```xml
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope">
    <soap:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
        (...)
        <wsa:Action>etir:v4.3:toCustoms/notifyCustoms</wsa:Action>
        <wsa:MessageID>uuid:980aa440-6f51-427b-880b-d43112441b6d</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-3fd0dff2-3132-4592-9379-64e40b5081b8">
        <ns3:notifyCustoms xmlns:ns3="etir:v4.3:toCustoms" xmlns:ns4="etir:I15:v4.3"
                    xmlns:ns2="etir:MetaData_DS:v4.3" xmlns:md="etir:DocumentMetaData:v4.3">
            <ns4:DocumentMetadata>
                <md:ResponsibleAgencyCode>AJ</md:ResponsibleAgencyCode>
                <md:AgencyAssignedCustomizationCode>1</md:AgencyAssignedCustomizationCode>
                <md:AgencyAssignedCustomizationVersionCode>1</md:AgencyAssignedCustomizationVersionCode>
                <md:CommunicationMetaData>
                    <md:PreparationDateTime formatCode="208">20201122113346+0200</md:PreparationDateTime>
                    <md:Recipient>
                        <md:ID>recipientID</md:ID>
                    </md:Recipient>
                    <md:Sender>
                        <md:ID>eTIR international system</md:ID>
```

```
                </md:Sender>
            </md:CommunicationMetaData>
            <ns4:InterGov>
                <ns4:FunctionCode>T9</ns4:FunctionCode>
                <ns4:ID>8a864d2a-a0da-4fa2-8a6c-667b8b0a9cb1</ns4:ID>
                <ns4:TypeCode>I15</ns4:TypeCode>
                <ns4:ObligationGuarantee>
                    <ns4:ReferenceID>XF95001234</ns4:ReferenceID>
                    <ns4:TransitOperation>
                        <ns4:SequenceNumeric>1</ns4:SequenceNumeric>
                        <ns4:RegistrationID>16GE035154345</ns4:RegistrationID>
                        <ns4:OperationStart>
                            <ns2:InspectionEndDateTime formatCode="208">20201122114547+0400
                            </ns2:InspectionEndDateTime>
                            <ns2:LimitDateTime formatCode="208">20201222114547+0400</ns2:LimitDateTime>
                            <ns2:AdditionalInformation>
                                <ns2:Content>Additional information</ns2:Content>
                            </ns2:AdditionalInformation>
                            <ns2:Consignment>
                                <ns2:TransportEquipment>
                                    <ns2:ID>EC-035-RP</ns2:ID>
                                    <ns2:Seal>
                                        <ns2:SequenceNumeric>1</ns2:SequenceNumeric>
                                        <ns2:ID>337Z</ns2:ID>
                                        <ns2:TypeCode>1</ns2:TypeCode>
                                    </ns2:Seal>
                                </ns2:TransportEquipment>
                            </ns2:Consignment>
                            <ns2:Control>
                                <ns2:TypeCode>001</ns2:TypeCode>
                                <ns2:ControlResult>
                                    <ns2:ID>001</ns2:ID>
                                </ns2:ControlResult>
                            </ns2:Control>
                            <ns2:TransitOperationStartOffice>
                                <ns2:ID>GE0715</ns2:ID>
                            </ns2:TransitOperationStartOffice>
                        </ns4:OperationStart>
                    </ns4:TransitOperation>
                </ns4:ObligationGuarantee>
            </ns4:InterGov>
        </ns4:DocumentMetadata>
    </ns3:notifyCustoms>
  </soap:Body>
</soap:Envelope>
```

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

**I16 - Notification confirmation response message:**

The example below shows the XML data of the **I16 - Notification confirmation** message sent to the eTIR international system endpoint URL, by the national customs system, in response to the POST of the **I15 - Notify customs** message received from the eTIR international system. This response message (Function code **6 - Confirmation**) of the type **I16**, containing no error codes, describes a confirmation of the reception of the notification by the customs authorities (note that national reference information is no longer returned in this case as we are dealing with an amendment here). Therefore, it should be considered that the notification has been duly received and recorded in the national customs system.

It is important to understand that the absence of error in the **I16 - Notification confirmation** response message is the key indicator to reflect that the notification has been received and acknowledged.

*I16 - Notification confirmation response message*

```xml
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope">
    <soap:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
        (...)
        <wsa:Action>etir:v4.3:toCustoms/notificationConfirmation</wsa:Action>
        <wsa:MessageID>uuid:256b0d3c-d220-47ed-a3bd-9b4d29289572</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-1ee335e9-0c34-4cb4-8424-bc08601927c6">
        <ns3:notificationConfirmation xmlns:md="etir:DocumentMetaData:v4.3" xmlns:ns3="etir:v4.3:toCustoms"
                                      xmlns:ns4="etir:I16:v4.3">
            <ns4:DocumentMetadata>
                <md:ResponsibleAgencyCode>AJ</md:ResponsibleAgencyCode>
                <md:AgencyAssignedCustomizationCode>1</md:AgencyAssignedCustomizationCode>
                <md:AgencyAssignedCustomizationVersionCode>1</md:AgencyAssignedCustomizationVersionCode>
                <md:CommunicationMetaData>
                    <md:PreparationDateTime formatCode="208">20201122113346+0200</md:PreparationDateTime>
                    <md:Recipient>
                        <md:ID>recipientID</md:ID>
                    </md:Recipient>
                    <md:Sender>
                        <md:ID>eTIR international system</md:ID>
                    </md:Sender>
                </md:CommunicationMetaData>
                <ns4:InterGov>
                    <ns4:FunctionCode>6</ns4:FunctionCode>
                    <ns4:FunctionalReferenceID>8a864d2a-a0da-4fa2-8a6c-667b8b0a9cb1</ns4:FunctionalReferenceID>
                    <ns4:ID>be77757d-21fa-4b7a-afa3-18f3b70c0084</ns4:ID>
                    <ns4:TypeCode>I16</ns4:TypeCode>
                </ns4:InterGov>
            </ns4:DocumentMetadata>
        </ns3:notificationConfirmation>
    </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.

## 9.2.2. Example 2: Notification sent when terminating a TIR operation

**I15 - Notify customs request message:**

This scenario describes the case where seals are changed during the termination of a TIR operation, for instance when one consignment was unloaded ("partial unload"). New seals need to be affixed so that the TIR transport can continue it journey until its final destination. The national customs system will send the **I11 - Terminate TIR operation** message to the eTIR international system which will detect that the seals have changed and will then notify the remaining countries along the itinerary about this information.

The example below shows the XML data to be sent via POST method to the national customs system endpoint URL to notify each customs authorities of the countries along the itinerary when the seals are first affixed. This request message (Function code **T10 - Seals information when terminating a TIR**

**operation**) of the type **I15**, describes a change of declaration data with seals information during a Terminate TIR operation at customs office **IR0287** for the TIR transport related to the guarantee **XF95001234**.

*Notification sent when the seals are changed during the termination of a TIR operation*

```xml
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope">
    <soap:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
        (...)
        <wsa:Action>etir:v4.3:toCustoms/notifyCustoms</wsa:Action>
        <wsa:MessageID>uuid:96632844-b1a4-426b-bf1f-352b0b49ff4b</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-250659a5-3baf-46eb-9e8a-038c5294c502">
        <ns3:notifyCustoms xmlns:ns3="etir:v4.3:toCustoms" xmlns:ns4="etir:I15:v4.3" xmlns:ns2=
            "etir:MetaData_DS:v4.3" xmlns:md="etir:DocumentMetaData:v4.3">
            <ns4:DocumentMetadata>
                <md:ResponsibleAgencyCode>AJ</md:ResponsibleAgencyCode>
                <md:AgencyAssignedCustomizationCode>1</md:AgencyAssignedCustomizationCode>
                <md:AgencyAssignedCustomizationVersionCode>1</md:AgencyAssignedCustomizationVersionCode>
                <md:CommunicationMetaData>
                    <md:PreparationDateTime formatCode="208">20201122113346+0200</md:PreparationDateTime>
                    <md:Recipient>
                        <md:ID>recipientID</md:ID>
                    </md:Recipient>
                    <md:Sender>
                        <md:ID>eTIR international system</md:ID>
                    </md:Sender>
                </md:CommunicationMetaData>
                <ns2:InterGov>
                    <ns2:FunctionCode>T10</ns2:FunctionCode>
                    <ns2:ID>8a864d2a-a0da-4fa2-8a6c-667b8b0a9cb1</ns2:ID>
                    <ns2:TypeCode>I15</ns2:TypeCode>
                    <ns2:ObligationGuarantee>
                        <ns2:ReferenceID>XF95001234</ns2:ReferenceID>
                        <ns2:TransitOperation>
                            <ns2:SequenceNumeric>1</ns2:SequenceNumeric>
                            <ns2:RegistrationID>16GE035154345</ns2:RegistrationID>
                            <ns2:OperationTermination>
                                <ns2:InspectionEndDateTime formatCode="208">20201122114547+0400
                                </ns2:InspectionEndDateTime>
                                <ns2:PackageQuantityQuantity>10</ns2:PackageQuantityQuantity>
                                <ns2:TypeCode>01</ns2:TypeCode>
                                <ns2:Consignment>
                                    <ns2:TransportEquipment>
                                        <ns2:ID>EC-035-RP</ns2:ID>
                                        <ns2:Seal>
                                            <ns2:SequenceNumeric>1</ns2:SequenceNumeric>
                                            <ns2:ID>HET47</ns2:ID>
                                            <ns2:TypeCode>1</ns2:TypeCode>
                                        </ns2:Seal>
                                    </ns2:TransportEquipment>
                                </ns2:Consignment>
                                <ns2:Control>
                                    <ns2:TypeCode>001</ns2:TypeCode>
                                    <ns2:ControlResult>
                                        <ns2:ID>001</ns2:ID>
                                    </ns2:ControlResult>
                                </ns2:Control>
                                <ns2:TransitOperationTerminationOffice>
                                    <ns2:ID>IR0287</ns2:ID>
                                </ns2:TransitOperationTerminationOffice>
                            </ns2:OperationTermination>
                        </ns2:TransitOperation>
```

```
                    </ns2:ObligationGuarantee>
                </ns2:InterGov>
            </ns4:DocumentMetadata>
        </ns3:notifyCustoms>
    </soap:Body>
</soap:Envelope>
```

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

**I16 - Notification confirmation response message:**

The example below shows the XML data of the **I16 - Notification confirmation** message sent to the eTIR international system endpoint URL, by the national customs system, in response to the POST of the **I15 - Notify customs** message received from the eTIR international system. This response message (Function code **6 - Confirmation**) of the type **I16**, containing no error codes, describes a confirmation of the reception of the notification by the customs authorities (note that national reference information is no longer returned in this case as we are dealing with an amendment here). Therefore, it should be considered that the notification has been duly received and recorded in the national customs system.

ℹ️ It is important to understand that the absence of error in the **I16 - Notification confirmation** response message is the key indicator to reflect that the notification has been received and acknowledged.

*I16 - Notification confirmation response message*

```xml
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope">
    <soap:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
        (...)
        <wsa:Action>etir:v4.3:toCustoms/notificationConfirmation</wsa:Action>
        <wsa:MessageID>uuid:256b0d3c-d220-47ed-a3bd-9b4d29289572</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-1ee335e9-0c34-4cb4-8424-bc08601927c6">
        <ns3:notificationConfirmation xmlns:md="etir:DocumentMetaData:v4.3" xmlns:ns3="etir:v4.3:toCustoms"
                                      xmlns:ns4="etir:I16:v4.3">
            <ns4:DocumentMetadata>
                <md:ResponsibleAgencyCode>AJ</md:ResponsibleAgencyCode>
                <md:AgencyAssignedCustomizationCode>1</md:AgencyAssignedCustomizationCode>
                <md:AgencyAssignedCustomizationVersionCode>1</md:AgencyAssignedCustomizationVersionCode>
                <md:CommunicationMetaData>
                    <md:PreparationDateTime formatCode="208">20201122113346+0200</md:PreparationDateTime>
                    <md:Recipient>
                        <md:ID>recipientID</md:ID>
                    </md:Recipient>
                    <md:Sender>
                        <md:ID>eTIR international system</md:ID>
                    </md:Sender>
                </md:CommunicationMetaData>
                <ns4:InterGov>
                    <ns4:FunctionCode>6</ns4:FunctionCode>
                    <ns4:FunctionalReferenceID>8a864d2a-a0da-4fa2-8a6c-667b8b0a9cb1</ns4:FunctionalReferenceID>
                    <ns4:ID>be77757d-21fa-4b7a-afa3-18f3b70c0084</ns4:ID>
                    <ns4:TypeCode>I16</ns4:TypeCode>
                </ns4:InterGov>
            </ns4:DocumentMetadata>
        </ns3:notificationConfirmation>
    </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.