UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE

# eTIR web services - Messages I7-I8

## I7 - Record declaration data / I8 - Record declaration data results


UNECE

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# 1. Document revision note

This document has been published on **16/04/2021**, and is valid for the **eTIR international system version 1.0** based on the **eTIR specifications version 4.3a**.

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

# 2. Related documents

**Project documents and collaboration platform**

- eTIR documentation portal: https://wiki.unece.org/display/ED/eTIR+documentation+-+Homepage
- Project guidelines for customs to connect to the eTIR international system : https://wiki.unece.org/download/attachments/106299939/Project%20Guidelines%20for%20customs%20to%20connect%20to%20the%20eTIR%20international%20system.pdf
- eTIR web services - Introduction document: https://wiki.unece.org/download/attachments/106299935/eTIR%20web%20services%20-%20Introduction%20document.pdf
- eTIR web services - Messages I1-I2: I1 - Accept guarantee / I2 - Acceptance results https://wiki.unece.org/download/attachments/106299935/eTIR-IS-I1-I2-messages-documentation.pdf
- eTIR web services - Messages I5-I6: I5 - Query guarantee / I6 - Query results https://wiki.unece.org/download/attachments/106299935/eTIR-IS-I5-I6-messages-documentation.pdf
- eTIR web services - Messages I9-I10: I9 - Start TIR operation / I10 - Start results https://wiki.unece.org/download/attachments/106299935/eTIR-IS-I9-I10-messages-documentation.pdf
- eTIR web services - Messages I11-I12: I11 - Terminate TIR operation / I12 - Termination results https://wiki.unece.org/download/attachments/106299935/eTIR-IS-I11-I12-messages-documentation.pdf
- eTIR web services - Messages I13-I14: I13 - Discharge TIR operation / I14 - Discharge results https://wiki.unece.org/download/attachments/106299935/eTIR-IS-I13-I14-messages-documentation.pdf
- eTIR web services - Messages I17-I18: I17 - Refusal to start TIR operation / I18 - Refusal results https://wiki.unece.org/download/attachments/106299935/eTIR-IS-I17-I18-messages-documentation.pdf

**Legal framework**

- TIR Convention handbook: https://unece.org/transport/publications/tir-handbook-0
- Annex 11 to the TIR Convention: https://unece.org/DAM/trans/bcf/ac2/documents/2020/ECE-TRANS-WP30-AC2-2020-07e.pdf

**eTIR specifications**

- Introduction to the eTIR conceptual, functional and technical v4.3: https://unece.org/sites/default/files/2021-03/WP30_GE1_id21-01e.pdf
- eTIR concepts v4.2: http://www.unece.org/fileadmin/DAM/trans/bcf/adhoc/conc_tech/documents/id17-06e.pdf

- eTIR Functional specifications v4.2: http://www.unece.org/fileadmin/DAM/trans/bcf/adhoc/conc_tech/documents/id17-07e.pdf
- Approved amendments to the eTIR specifications v4.2 to prepare v4.3: http://www.unece.org/fileadmin/DAM/trans/bcf/wp30/documents/2020/ECE-TRANS-WP30-2020-07e.pdf

**Additional resources**

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

# 3. Purpose

This document describes the **I7 - Record declaration data** request message, and the **I8 - Record declaration data results** response message of the eTIR international system web services. It provides all the specifics required to use them (prepare or receive), explains how and when they should be used and explains the error codes that may be returned. It also contains examples and fallback procedures, if applicable.

# 4. Target audience

This guide is intended for the 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's team, and is configured and accessible to the eTIR international system.**
- **The Customs Authorities fallback email address has been communicated to the TIR Secretariat's team and configured in the eTIR international system to 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.
- eTIR web services - Messages I1-I2 should have been implemented and tested.

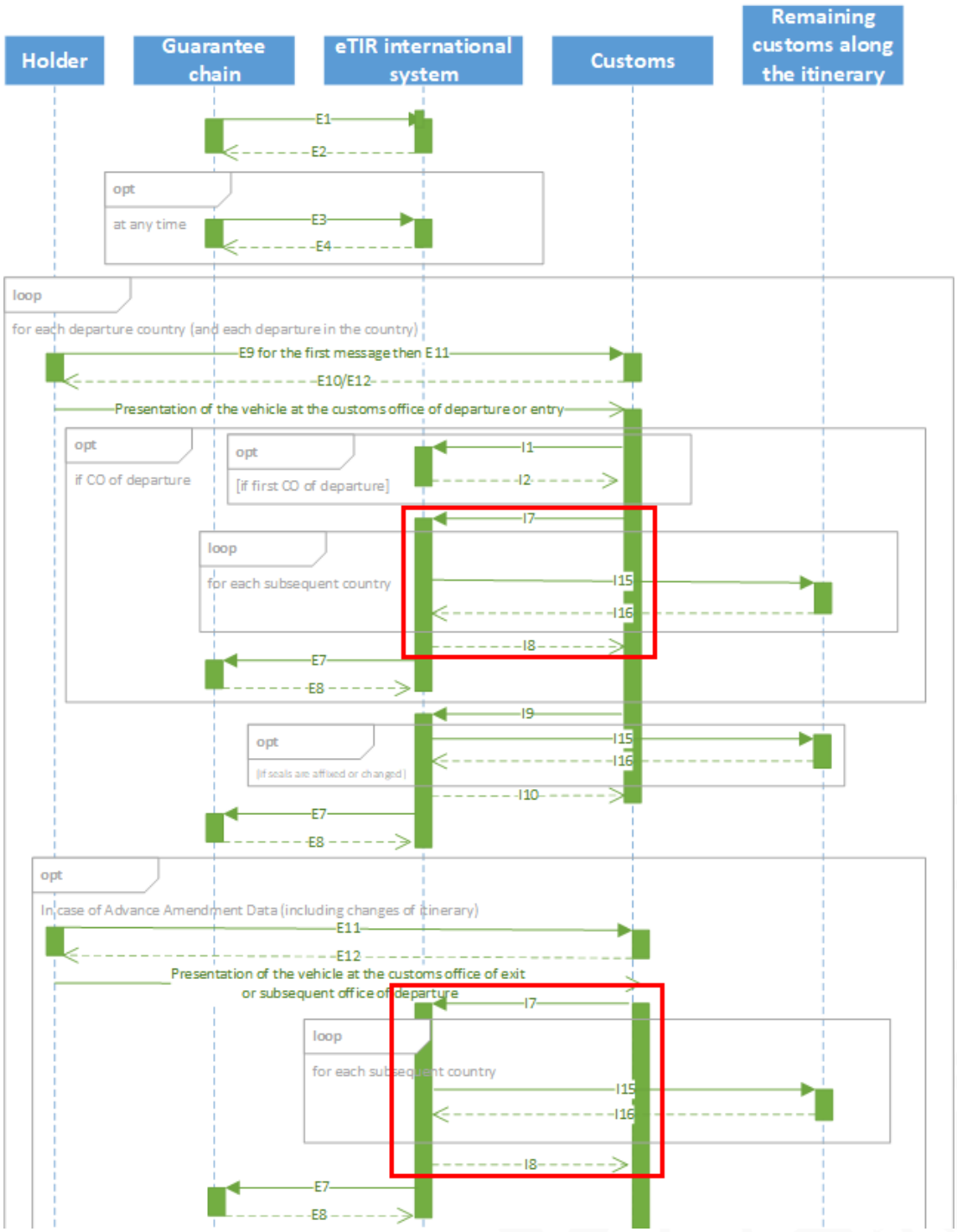
All eTIR messages are identified and belong to a flow described in the eTIR sequence diagrams section of the eTIR web services introduction document. It is key to respect this sequencing, otherwise the eTIR international system will return errors due to invalid sequencing of the messages as described in the dedicated eTIR error code web page.

# 6. "I7 - Record declaration data" / "I8 - Record declaration data results" messages

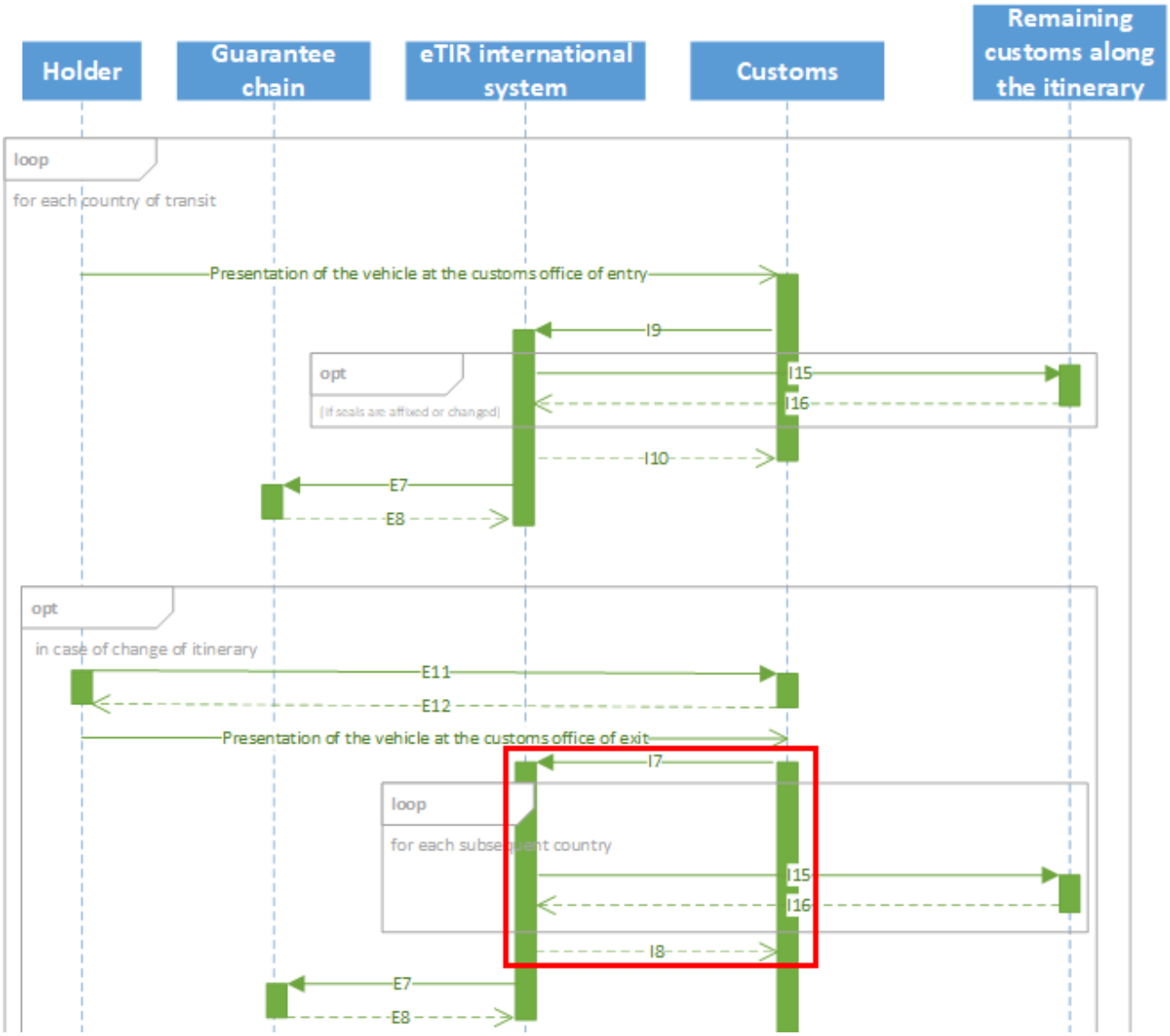
## 6.1. Sequence diagram

The following sequence diagrams highlight the role and sequence position of the **I7 - Record declaration data** and **I8 - Record declaration data results** messages in the context of TIR departure, TIR transit or TIR destination operations.

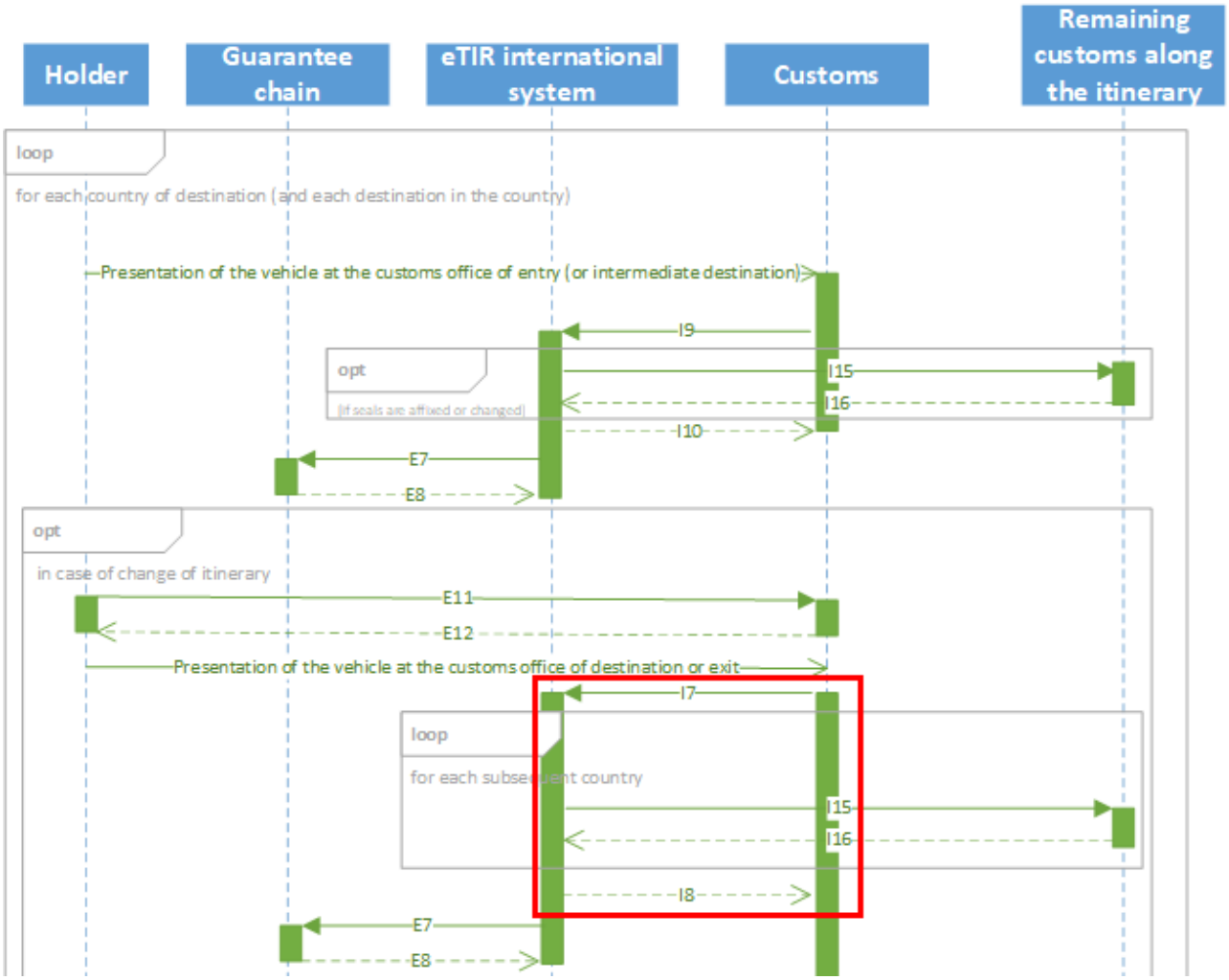
### 6.1.1. Departure



### 6.1.2. Transit


Holder
Guarantee chain
eTIR international system
Customs
Remaining customs along the itinerary
loop
for each country of transit
Presentation of the vehicle at the customs office of entry
I9
opt
(if seals are affixed or changed)
I15
I16
I10
E7
E8
opt
in case of change of itinerary
E11
E12
Presentation of the vehicle at the customs office of exit
I7
loop
for each subsequent country
I15
I16
I8
E7
E8

### 6.1.3. Destination



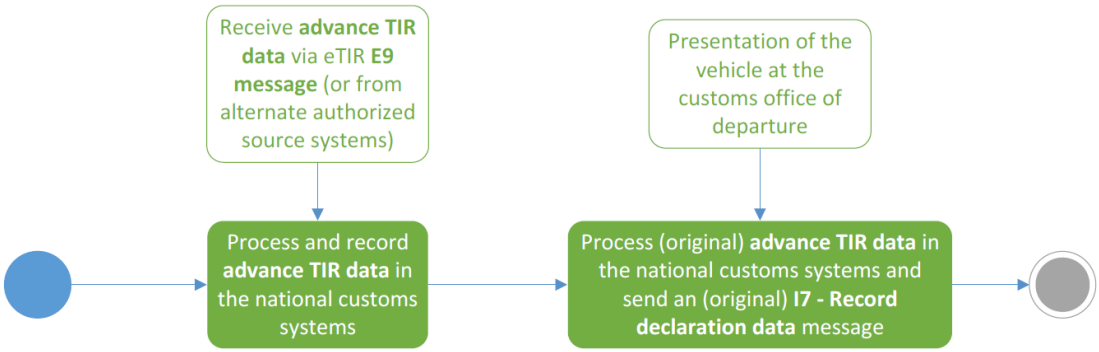

The full eTIR sequence diagrams (Departure, Transit and Destination) are available in the dedicated section of the eTIR web services introduction document.

# 6.2. Message context

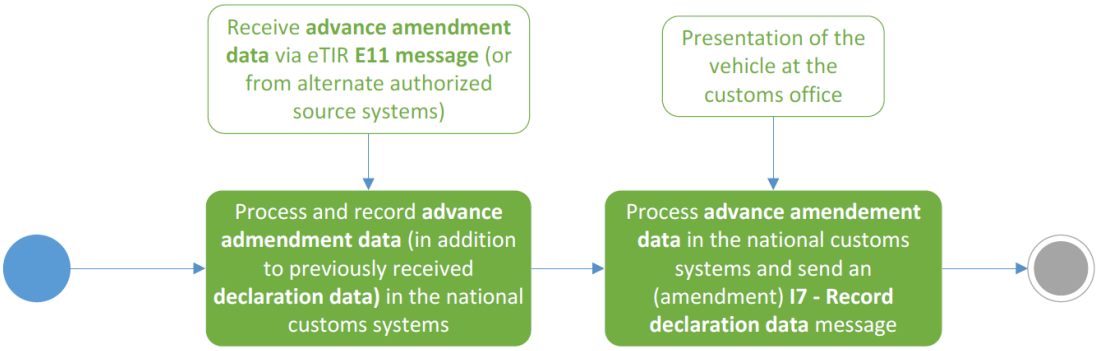
The **I7 - Record declaration data** message is mandatory before starting a TIR transport and should be prepared and sent immediately after the **I1 - Accept guarantee** message has been sent by the same customs office. The **I7 - Record declaration data** contains the data relevant to the declaration accepted by the customs authorities and allows them to record in the eTIR international system all the information related to the declaration for this TIR transport.

It is important to note that the **I7 - Record declaration data** message can be used in two different approaches:

- By the first customs office of departure that will start the TIR transport where the national customs system will send the first declaration data to the eTIR international system. This declaration data is built upon the "advance TIR data" previously sent by the TIR Carnet holder.




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




## 6.2.1. Message prerequisites

### Original declaration data

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

- **E1 - Register guarantee** and **E2 – Registration results** (between the Guarantee chain and the eTIR international system): the eGuarantee that was purchased by the TIR Carnet holder must be firstly registered by the guarantee chain to the eTIR international system so it is known and usable in the system.
- **E9 - Advance TIR data** and **E10 - Advance TIR data results** (between the TIR Carnet holder and the national customs system): the TIR Carnet holder will send to the first customs office of departure

the advance TIR data that acts as the pre-declaration for the transport.

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

**Amended declaration data**

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

- The **original declaration data** should have been received by the eTIR international system.
- **E11 - Advance amendment data** and **E12 - Advance amendment data results** (between the TIR Carnet holder and the national customs system): the TIR Carnet holder will send to a customs office along the itinerary the advance amendment data to request a change to the declaration, to the itinerary, or any other change allowed by the TIR Convention.

### 6.2.2. Endpoint URL

The URL of the endpoint to use when sending the **I7 - Record declaration data** request message is: **https://etir-uat-01.unece.org/etir/v4.3/customs/recordDeclarationData**

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

## 6.3. "I7 - Record declaration data" request message

### 6.3.1. Description

The national customs systems sends the **I7 - Record declaration data** request message to the eTIR international system to record the declaration data related to the beginning of a TIR transport.

It is important to note that the way to indicate if the message is used as an **Original** or an **Amended** declaration data is by setting the appropriate value in the first field of the message: "Message function, coded".

The XSD file related to the **I7 - Record declaration data** message is available at the following URL: https://wiki.unece.org/download/attachments/106299941/WCO_eTIR_I7_1.xsd.

## 6.3.2. Field list

| eTIR field name | Mapping to the XML element (XPATH) | Mandatory | 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 | R | 1..1 | | | | |
| ├ Issuing date | Declaration/IssueDateTime | R | 1..1 | an..35 | | | |
| ├ Total gross weight | Declaration/TotalGrossMassMeasure | O | 0..1 | n..16,6 | | | |
| ├┬ ADDITIONALINFORMATION | Declaration/AdditionalInformation | D | 0..1 | | | C008 | |
| │ ├ Heavy and bulky goods indicator | Declaration/AdditionalInformation/StatementCode | R | 1..1 | an..17 | CL14 | | |
| │ └ 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 | |
| │ ├ Code | Declaration/Agent/ID | D | 1..1 | an..35 | | C001 | |
| │ └ Role, coded | Declaration/Agent/RoleCode | R | 1..1 | an..3 | CL02 | | |
| ├┬ AMENDMENT | Declaration/Amendment | D | 0..* | | | C008 | |
| │ ├ Amendment code | 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 | |
| │ ├ Code | 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 | R | 1..1 | an..17 | | | |
| ├┬ CONSIGNMENT | Declaration/Consignment | D | 0..* | | | C008 | |
| │ ├ Sequence number | Declaration/Consignment/SequenceNumeric | R | 1..1 | n..5 | | | |
| │ ├┬ ATTACHEDDOCUMENTS | Declaration/Consignment/AdditionalDocument | O | 0..* | | | | |
| │ │ ├ Number | Declaration/Consignment/AdditionalDocument/ID | R | 1..1 | an..70 | | | |

| eTIR field name | Mapping to the XML element (XPATH) | Mandatory | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| \| \| ├ Issuing date | 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 | | | | |
| \| \| ├ Identification | 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 | | | |
| \| \| ├ 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 | | | |
| \| \| ├ Type | Declaration/Consignment/AdditionalDocument/BinaryFile/TypeCode | O | 0..1 | an..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 | | | |

| eTIR field name | Mapping to the XML element (XPATH) | Mandatory | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| \| \| ├┬ 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 | |
| \| \| \| ├ Code | Declaration/Consignment/ConsignmentItem/Consignee/ID | D | 0..1 | an..35 | | C001 | |
| \| \| \| └┬ ADDRESS | Declaration/Consignment/ConsignmentItem/Consignee/Address | D | 0..1 | | | C001 | |
| \| \| \| ├ City name | Declaration/Consignment/ConsignmentItem/Consignee/Address/CityName | R | 1..1 | an..35 | | | |
| \| \| \| ├ 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 | R | 1..1 | an..17 | | | |
| \| \| ├┬ CONSIGNOR | Declaration/Consignment/ConsignmentItem/Consignor | O | 0..1 | | | | |
| \| \| \| ├ Name | Declaration/Consignment/ConsignmentItem/Consignor/Name | D | 0..1 | an..70 | | C001 | |
| \| \| \| ├ Code | 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 | | | |

| eTIR field name | Mapping to the XML element (XPATH) | Mandatory | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| \| \| \| └ Postcode identification | Declaration/Consignment/ConsignmentItem/Consignor/Address/PostcodeID | R | 1..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 | R | 1..1 | an..17 | | | |
| \| \| ├┬ GOODSMEASURE | Declaration/Consignment/ConsignmentItem/GoodsMeasure | R | 1..1 | | | | |
| \| \| \| └ Gross weight | Declaration/Consignment/ConsignmentItem/GoodsMeasure/GrossMassMeasure | R | 1..1 | n..16,6 | | | |
| \| \| ├┬ PACKAGING | Declaration/Consignment/ConsignmentItem/Packaging | R | 1..1 | | | | |
| \| \| \| ├ Marks and numbers | Declaration/Consignment/ConsignmentItem/Packaging/MarksNumbersID | O | 0..1 | an..512 | | | |
| \| \| \| ├ 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 | |
| \| \| \| └ Identification | Declaration/Consignment/ConsignmentItem/TransportEquipment/ID | R | 1..1 | an..17 | | | |
| \| \| └┬ UCR | Declaration/Consignment/ConsignmentItem/UCR | O | 0..1 | | | | |
| \| \| └ Identifier | Declaration/Consignment/ConsignmentItem/UCR/ID | O | 0..1 | an..35 | | | |
| \| ├┬ LOADINGLOCATION | Declaration/Consignment/LoadingLocation | O | 0..1 | | | | |
| \| \| └ Name | Declaration/Consignment/LoadingLocation/Name | O | 0..1 | an..256 | | | |
| \| ├┬ NOTIFYPARTY | Declaration/Consignment/NotifyParty | O | 0..1 | | | | |
| \| \| ├ Name | Declaration/Consignment/NotifyParty/Name | D | 0..1 | an..70 | | C001 | |
| \| \| ├ Code | Declaration/Consignment/NotifyParty/ID | D | 0..1 | an..35 | | C001 | |

| eTIR field name | Mapping to the XML element (XPATH) | Mandatory | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| \| \| └┬ 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 | R | 1..1 | an..17 | | | |
| \| ├┬ CUSTOMSOFFICEOFDEPARTURE | Declaration/Consignment/TransitDeparture | R | 1..1 | | | | |
| \| \| └ Code | Declaration/Consignment/TransitDeparture/ID | R | 1..1 | an..35 | | | |
| \| ├┬ CUSTOMSOFFICEOFDESTINATION | Declaration/Consignment/TransitDestination | R | 1..1 | | | | |
| \| \| └ Code | Declaration/Consignment/TransitDestination/ID | R | 1..1 | an..35 | | | |
| \| ├┬ TRANSPORTMEANS | Declaration/Consignment/TransitTransportMeans | R | 1..* | | | | |
| \| \| ├ Identification | Declaration/Consignment/TransitTransportMeans/ID | R | 1..1 | an..25 | | | |
| \| \| ├ Type, coded | Declaration/Consignment/TransitTransportMeans/TypeCode | R | 1..1 | an..4 | CL05 | | |
| \| \| ├ Nationality | Declaration/Consignment/TransitTransportMeans/RegistrationNationalityCode | R | 1..1 | a2 | CL04 | | |
| \| \| ├ Conveyance reference number | Declaration/Consignment/TransitTransportMeans/JourneyID | O | 0..1 | an..17 | | | |
| \| \| └┬ 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 identification | Declaration/Consignment/TransportEquipment/CharacteristicCode | R | 1..1 | an..4 | CL01 | | |
| \| ├ Identification | 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 | 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 | | | | |

| eTIR field name | Mapping to the XML element (XPATH) | Mandatory | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| \| \| ├ Identification | 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 | | | |
| \| \| ├ 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 | | | |
| \| \| ├ Type | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/TypeCode | O | 0..1 | an..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 code | Declaration/Consignment/TransportEquipment/Seal/TypeCode | O | 0..1 | an..3 | CL08 | | |

| eTIR field name | Mapping to the XML element (XPATH) | Mandatory | Cardinality | Format | Code lists | Conditions | Rules |
|---|---|---|---|---|---|---|---|
| ├┬ GUARANTEE | Declaration/DeclarationGuarantee | D | 1..1 | | | C008 | |
| │ └ Reference | Declaration/DeclarationGuarantee/ReferenceID | R | 1..1 | an..35 | | | |
| └┬ HOLDER | Declaration/Principal | D | 0..1 | | | C008 | |
| ├ Name | Declaration/Principal/Name | O | 0..1 | an..70 | | | |
| ├ Code | Declaration/Principal/ID | R | 1..1 | an..35 | | | |
| └┬ ADDRESS | Declaration/Principal/Address | D | 0..1 | | | C001 | |
| ├ City name | Declaration/Principal/Address/CityName | R | 1..1 | an..35 | | | |
| ├ Country, coded | Declaration/Principal/Address/CountryCode | R | 1..1 | a2 | CL04 | | |
| ├ Street and number/P.O. Box | Declaration/Principal/Address/Line | R | 1..1 | an..256 | | | |
| └ Postcode identification | Declaration/Principal/Address/PostcodeID | R | 1..1 | an..17 | | | |

## 6.3.3. Field descriptions

| eTIR field name | Mapping to the XML element (XPATH) | Description | Usage |
|---|---|---|---|
| MESSAGE | | | |
| ├ Message function, coded | Function | Code describing the function of the message | The value should be set to "9" if this message is the original (the first one to be submitted for this TIR transport) or "4" if this message reflects an amendment to the declaration |
| ├ Message identifier | ID | Unique identifier of the message | The value should be a Globally Unique Identifier (GUID) as detailed in the dedicated section of the introduction document |
| ├ Type, coded | TypeCode | Code of the message type | The value should be set to "I7" |
| └┬ DECLARATIONDATA | Declaration | Class representing the declaration data as accepted by customs | |
| ├ Issuing date | Declaration/IssueDateTime | Date at which the message E9 (or E11) received by the customs, was issued | The value should be the one from the "Issuing date" attribute of the message E9 received by the customs |
| ├ Total gross weight | Declaration/TotalGrossMassMeasure | Total gross weight of goods (including packaging) of the declaration | The value should be the total gross weight as a decimal number The unit should be defined in the Measure Unit. The code attribute should match one of the values listed in the list Measurement unit code (UNECE Recommendation 20) |
| ├┬ ADDITIONALINFORMATION | Declaration/AdditionalInformation | Class containing potential additional information at the declaration level | |

| eTIR field name | Mapping to the XML element (XPATH) | Description | Usage |
|---|---|---|---|
| \| ├ Heavy and bulky goods indicator | Declaration/AdditionalInformation/StatementCode | 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 |
| \| └ 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 |
| \| ├ Code | Declaration/Agent/ID | Unique identifier of the agent | The value should be the unique identifier of the agent |
| \| └ Role, coded | Declaration/Agent/RoleCode | Code of the role of the agent | The value should be the code matching the role of the agent from the list Party role code (UN/EDIFACT 3035) |
| ├┬ AMENDMENT | Declaration/Amendment | Class representing the list of potential amendments to the declaration | |
| \| ├ Amendment code | Declaration/Amendment/ChangeReasonCode | Code describing the type of amendment | The value should be the code matching the type of amendment from the list Amendment code (eTIR) (https://www.unece.org/fileadmin/DAM/trans/bcf/eTIR/documents/CodeLists0_4.pdf#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 |
| \| ├ Code | Declaration/Carrier/ID | Unique identifier of the subcontractor | The value should be the unique identifier of the subcontractor |

| eTIR field name | Mapping to the XML element (XPATH) | Description | Usage |
|---|---|---|---|
| \| └┬ ADDRESS | Declaration/Carrier/Address | Class representing the physical address of the subcontractor | |
| \| ├ City name | Declaration/Carrier/Address/CityName | City name of the physical address of the subcontractor | The value should be the city name of the physical address of the subcontractor |
| \| ├ Country, coded | Declaration/Carrier/Address/CountryCode | Code of the country of the physical address of the subcontractor | The value should be the code of the country of the physical address of the subcontractor from the list Country name code (ISO 3166-1-alpha-2) |
| \| ├ Street and number/P.O. Box | Declaration/Carrier/Address/Line | Street name of the physical address of the subcontractor | The value should be the street name and number (or equivalent) of the physical address of the subcontractor |
| \| └ Postcode identification | Declaration/Carrier/Address/PostcodeID | Postal/Zip code of the physical address of the subcontractor | The value should be the postal/ZIP code of the physical address of the subcontractor |
| ├┬ CONSIGNMENT | Declaration/Consignment | Class representing the list of details on the transport of goods between a loading point and an unloading point | |
| \| ├ Sequence number | Declaration/Consignment/SequenceNumeric | Index of the consignment in the list | The value should be the 1-based index of the pointer in the list |
| \| ├┬ 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 | Declaration/Consignment/AdditionalDocument/IssueDateTime | Issuing date of the document | The value should be a date to be provided following the EDIFACT 208 format CCYYMMDDHHMMSSZHHMM (http://www.unece.org/trade/untdid/d13b/tred/tred2379.htm). For Example: 20200820145600+0100 represents 20 August 2020 at 14:56 UTC+01:00. |
| \| \| ├ 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 | |
| \| \| ├ Identification | 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 |

| eTIR field name | Mapping to the XML element (XPATH) | Description | Usage |
|---|---|---|---|
| \| \| ├ Author name | Declaration/Consignment/AdditionalDocument/BinaryFile/AuthorName | Name of the author of the document | The value should be the first and last name of the author of the document |
| \| \| ├ Version | Declaration/Consignment/AdditionalDocument/BinaryFile/VersionID | Version number of the document | The value should be the version of the document |
| \| \| ├ File name | Declaration/Consignment/AdditionalDocument/BinaryFile/FileNametext | File name of the document | The value should be the name of the file representing the document, including the extension |
| \| \| ├ URI | Declaration/Consignment/AdditionalDocument/BinaryFile/URIID | URI of the document | The value should be the Unique Resource Identifier (URI) allowing to access the document instead of relying on a binary object representation |
| \| \| ├ MIME | Declaration/Consignment/AdditionalDocument/BinaryFile/MIMECode | Code of the MIME type of the file | The value should be one of the MIME types as listed by the IANA organization 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. The code attribute should match one of the values listed in the Measurement unit code (UNECE Recommendation 20) |
| \| \| ├ Type | Declaration/Consignment/AdditionalDocument/BinaryFile/TypeCode | Code of the type of file | |
| \| \| ├ 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 |

| eTIR field name | Mapping to the XML element (XPATH) | Description | Usage |
|---|---|---|---|
| \| ├┬ CONSIGNMENTITEM | Declaration/Consignment/ConsignmentItem | Class representing the list of details on the items in the consignment | |
| \| \| ├ Sequence number | Declaration/Consignment/ConsignmentItem/SequenceNumeric | Index of the consignment item in the list | The value should be the 1-based index of the consignment in the list, allowing for quick physical identification upon inspection |
| \| \| ├┬ ADDITIONALINFORMATION | Declaration/Consignment/ConsignmentItem/AdditionalInformation | Class representing the list of potential additional information at the consignment item level | |
| \| \| \| └ Remarks | Declaration/Consignment/ConsignmentItem/AdditionalInformation/Content | Remarks on the consignment item | The value should be a text allowing for additional remarks on the consignment item |
| \| \| ├┬ GOODS | Declaration/Consignment/ConsignmentItem/Commodity | Class representing the details on the goods | |
| \| \| \| ├ Description | Declaration/Consignment/ConsignmentItem/Commodity/CargoDescription | Description of the goods | The value should be a text describing the goods |
| \| \| \| └┬ CLASSIFICATION | Declaration/Consignment/ConsignmentItem/Commodity/Classification | Class representing the list of classification details of the goods | |
| \| \| \| ├ Code | Declaration/Consignment/ConsignmentItem/Commodity/Classification/ID | Identifier of the classification of the goods | The value should be the identifier of the non commercial classification of the goods |
| \| \| \| └ Type, coded | Declaration/Consignment/ConsignmentItem/Commodity/Classification/IdentificationTypeCode | Code of the classification | The value should be the code of the classification from the list Item type identification code (UN/EDIFACT 7143) |
| \| \| ├┬ CONSIGNEE | Declaration/Consignment/ConsignmentItem/Consignee | Class representing the potential consignee of the goods | |
| \| \| \| ├ Name | Declaration/Consignment/ConsignmentItem/Consignee/Name | Name of the consignee | The value should be the official company name, or the first and last name of the person in case of physical person, to allow for quick identification |
| \| \| \| ├ Code | 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://www.unece.org/fileadmin/DAM/trans/bcf/eTIR/documents/CodeLists0_4.pdf#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 |

| eTIR field name | Mapping to the XML element (XPATH) | Description | Usage |
|---|---|---|---|
| \| \| \| └ Postcode identification | Declaration/Consignment/ConsignmentItem/Consignee/Address/PostcodeID | Postal/Zip code of the physical address of the consignee | The value should be the postal/ZIP code of the physical address of the consignee |
| \| \| ├┬ CONSIGNOR | Declaration/Consignment/ConsignmentItem/Consignor | Class representing the potential consignor of the goods | |
| \| \| \| ├ Name | Declaration/Consignment/ConsignmentItem/Consignor/Name | Name of the consignor | The value should be the official company name, or the first and last name of the person in case of physical person, to allow for quick identification |
| \| \| \| ├ Code | 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 |

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

| 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 |
| \| \| ├ Code | 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 | |
| \| \| └ Code | 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 | |
| \| \| └ Code | 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 | |
| \| \| ├ Identification | 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 | 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) |
| \| \| └┬ 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 identification | Declaration/Consignment/TransportEquipment/CharacteristicCode | Code of the transport equipment | The value should be the code of the transport equipment (specifying its characteristices) from the list Equipment size and type description code (UN/EDIFACT 8155) |
| \| ├ Identification | 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 | 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) |
| \| \| └┬ BINARYFILE | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile | Class representing the content of the document | |

| eTIR field name | Mapping to the XML element (XPATH) | Description | Usage |
|---|---|---|---|
| \| \| ├ Identification | 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) |
| \| \| ├ Type | Declaration/Consignment/TransportEquipment/AdditionalDocument/BinaryFile/TypeCode | Code of the type of file | |

| 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 | |
| \| ├ Sequence number | Declaration/Consignment/TransportEquipment/Seal/SequenceNumeric | Index of the seal in the list | The value should be the 1-based index of the seal in the list |
| \| ├ Seal number | Declaration/Consignment/TransportEquipment/Seal/ID | Unique identifier of the seal | The value should be the unique identifier of the seal affixed to the transport equipment |
| \| └ Seal type code | Declaration/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) |
| ├┬ GUARANTEE | Declaration/DeclarationGuarantee | Class representing the guarantee of this TIR transport | |
| \| └ Reference | Declaration/DeclarationGuarantee/ReferenceID | Unique identifier of the guarantee | The value should be the unique identifier of the guarantee for this TIR transport |
| └┬ HOLDER | Declaration/Principal | Class representing the 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 |
| ├ Code | 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 |
| ├ 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 |

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

### 6.3.4. Referred code lists

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

- CL01 - Equipment size and type description code (UN/EDIFACT 8155)
- CL02 - Party role code (UN/EDIFACT 3035)
- 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)
- CL14 - Indicator (eTIR)
- CL16 - Message function code (UN/EDIFACT 1225)
- CL17 - Amendment code (eTIR)
- CL26 - Message types (eTIR)

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

### 6.3.5. Conditions and Rules

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

- **C001:**
```
IF EXIST( PARTY.code )
THEN NOT EMPTY( PARTY.code )
ELSE NOT EMPTY( PARTY.name , ADDRESS )
```
- **C002:**
```
IF ( PACKAGING.Type, coded ) =
"VQ", "VG", "VL", "VY", "VR" OR "VO"
THEN EMPTY (PACKAGING.Number of packages )
ELSE ( PACKAGING.Number of packages ) > 0
```
- **C003:**
```
IF( ADVANCE TIR DATA.ADDITIONALINFORMATION.Heavy and bulky goods
indicator ) = 0
THEN NOT EMPTY( TRANSPORTEQUIPMENT )
ELSE EMPTY( TRANSPORTEQUIPMENT )
```
- **C004:**
```
IF EMPTY( GOODS.CLASSIFICATION ) OR ( GOODS.CLASSIFICATION.Type ) <> 'HS'
THEN NOT EMPTY( GOODS.Description )
```
- **C005:**
```
IF( ADVANCE TIR DATA.ADDITIONALINFORMATION.Heavy and bulky goods
indicator ) = 0
THEN NOT EMPTY( TRANSPORTEQUIPMENT.CERTIFICATEOFAPPROVAL )
ELSE EMPTY( TRANSPORTEQUIPMENT.CERTIFICATEOFAPPROVAL )
```
- **C008:**
```
IF( MESSAGE.Message function, coded) = '1'
THEN EMPTY( ADDITIONALINFORMATION, AGENT,AMENDMENT, SUBCONTRACTOR,
CONSIGMENT,GUARANTEE,HOLDER ) AND NOT EMPTY (MESSAGE.FunctionalReference)
ELSE IF( MESSAGE.Message function, coded) = '4'
THEN NOT EMPTY( MESSAGE.FunctionalReference, AMENDMENT,
ADDITIONALINFORMATION,
CONSIGMENT,GUARANTEE,HOLDER )
```

```
ELSE IF( MESSAGE.Message function, coded) = '9'
THEN EMPTY( MESSAGE.FunctionalReference, AMENDMENT ) AND NOT EMPTY
(ADDITIONALINFORMATION, CONSIGMENT,GUARANTEE,HOLDER )
```

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 transit shall have an unique sequence number. They should be numbered from 1 to the number of countries involved in the transit and represent the order in which countries are traveled from departure to destination. In case of multiple means of transport, this will also allow to determine in which order the means of transport are used.*
- **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.*
- **R008:** *First occurrence of GOODS.CLASSIFICATION must be of type "HS"*

### 6.3.6. How the national customs system should prepare and send declaration data

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

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

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

### 6.3.7. Example

The example below shows the XML data to be sent via POST method to the endpoint URL to record the information related to the beginning of the TIR transport related to the guarantee **XF95001234**. This declaration data was issued on the date of **2021-04-09 09:45:36 Geneva time** by the customs office **FR000700**. It describes a consignment of 15 tons of "COVID-19 Diagnostic Test instruments and apparatus" sent by truck from France to Ukraine (through Germany, Czech republic and Slovakia) by the TIR Carnet holder **FRA/020/998**. There is a CMR as an attached document and also the certificate of approval for the transport equipment.

*I7 - Record declaration data request message*

```
<?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:customs/recordDeclarationData</wsa:Action>
        <wsa:MessageID>uuid:8a20af11-8170-432d-9563-6a89b32ef745</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-da9c5c60-f393-4240-9fd5-54d54fffae83">
        <cus:recordDeclarationData xmlns:cus="etir:v4.3:customs" xmlns:etir="etir:I7:v4.3" xmlns:ds=
"etir:MetaData_DS:v4.3">
            <etir:InterGov>
                <etir:Function>9</etir:Function>
                <etir:ID>94363297-44bc-4814-9e00-1a35b7a3d614</etir:ID>
                <etir:TypeCode>I7</etir:TypeCode>
                <etir:Declaration>
                    <etir:IssueDateTime formatCode="208">20210409094536+0100</etir:IssueDateTime>
                    <!--Optional:-->
                    <etir:AdditionalInformation>
                        <etir:StatementCode>0</etir:StatementCode>
                    </etir:AdditionalInformation>
                    <!--Optional:-->
                    <etir:Agent>
                        <ds:ID>AG2457-FRA154</ds:ID>
                        <ds:RoleCode>AG</ds:RoleCode>
                    </etir:Agent>
                    <!--Optional:-->
                    <etir:Carrier>
                        <ds:ID>FRA/020/998</ds:ID>
                    </etir:Carrier>
                    <!--Zero or more repetitions:-->
                    <etir:Consignment>
                        <ds:SequenceNumeric>1</ds:SequenceNumeric>
                        <!--Zero or more repetitions:-->
                        <ds:AdditionalDocument>
                            <ds:ID>attached_document_001</ds:ID>
                            <ds:IssueDateTime formatCode="102">20210403</ds:IssueDateTime>
                            <ds:TypeCode>730</ds:TypeCode>
                            <ds:BinaryFile>
                                <ds:ID>1</ds:ID>
                                <ds:Title>CMR</ds:Title>
                                <ds:IncludedBinaryObjectBinaryObject>dGhpcyBpcyBhIH (...)
Rlc3QgZmlsZQ==</ds:IncludedBinaryObjectBinaryObject>
                                <ds:AuthorName>Gérard Menvuça</ds:AuthorName>
                                <ds:VersionID>1</ds:VersionID>
                                <ds:FileNametext>Certificate of approval 12482.pdf</ds:FileNametext>
                                <ds:MIMECode>application/pdf</ds:MIMECode>
                                <ds:EncodingCode>UTF-8</ds:EncodingCode>
                                <ds:CharacterSetCode>UTF-8</ds:CharacterSetCode>
                                <ds:Description>The CMR linked to the TIR transport</ds:Description>
                                <ds:SizeMeasure unitCode="2P">754</ds:SizeMeasure>
                                <ds:TypeCode>pdf</ds:TypeCode>
                                <ds:HashCode>54b0c58c7ce9f2a8b551351102ee0938</ds:HashCode>
                                <ds:HashCodeAlgorithmIDCode>MD5</ds:HashCodeAlgorithmIDCode>
                            </ds:BinaryFile>
                        </ds:AdditionalDocument>
                        <!--1 or more repetitions:-->
                        <ds:ConsignmentItem>
                            <ds:SequenceNumeric>1</ds:SequenceNumeric>
                            <!--Zero or more repetitions:-->
                            <ds:AdditionalInformation>
                                <ds:Content>Instruments used in clinical laboratories for In Vitro Diagnosis
                                </ds:Content>
                            </ds:AdditionalInformation>
                            <ds:Commodity>
                                <ds:CargoDescription>COVID-19 Diagnostic Test instruments and apparatus
                                </ds:CargoDescription>
                                <!--Zero or more repetitions:-->
                                <ds:Classification>
                                    <ds:ID>9027.80</ds:ID>
                                    <ds:IdentificationTypeCode>HS</ds:IdentificationTypeCode>
                                </ds:Classification>
```

```
                    </ds:Commodity>
                    <!--Optional:-->
                    <ds:Consignee>
                        <ds:ID>CE368324456</ds:ID>
                    </ds:Consignee>
                    <!--Optional:-->
                    <ds:Consignor>
                        <ds:ID>CO654832668</ds:ID>
                    </ds:Consignor>
                    <!--Optional:-->
                    <ds:DeliveryDestination>
                        <ds:Name>Kyiv Fictitious Hospital</ds:Name>
                        <ds:Address>
                            <ds:CityName>Kyiv</ds:CityName>
                            <ds:CountryCode>UA</ds:CountryCode>
                            <ds:Line>Kostiantynivska St, 26</ds:Line>
                            <ds:PostcodeID>02000</ds:PostcodeID>
                        </ds:Address>
                    </ds:DeliveryDestination>
                    <ds:GoodsMeasure>
                        <ds:GrossMassMeasure>15000</ds:GrossMassMeasure>
                    </ds:GoodsMeasure>
                    <ds:Packaging>
                        <ds:TypeCode>VO</ds:TypeCode>                <!-- no quantity rule C002 !-->
                    </ds:Packaging>
                    <!--Optional:-->
                    <ds:TransportEquipment>
                        <ds:ID>TE1</ds:ID>
                    </ds:TransportEquipment>
                    <!--Optional:-->
                    <ds:UCR>
                        <!--Optional:-->
                        <ds:ID>UCR</ds:ID>
                    </ds:UCR>
                </ds:ConsignmentItem>
                <!--Optional:-->
                <ds:LoadingLocation>
                    <!--Optional:-->
                    <ds:Name>Fictitious Factory</ds:Name>
                </ds:LoadingLocation>
                <!--Optional:-->
                <ds:NotifyParty>
                </ds:NotifyParty>
                <ds:TransitDeparture>
                    <ds:ID>FR000700</ds:ID>
                </ds:TransitDeparture>
                <ds:TransitDestination>
                    <ds:ID>UA100085</ds:ID>
                </ds:TransitDestination>
                <!--1 or more repetitions:-->
                <ds:TransitTransportMeans>
                    <ds:ID>CM-875-KZ</ds:ID>
                    <ds:TypeCode>33</ds:TypeCode>
                    <ds:RegistrationNationalityCode>FR</ds:RegistrationNationalityCode>
                    <ds:JourneyID>J-12745124</ds:JourneyID>
                    <ds:Itinerary>
                        <ds:SequenceNumeric>1</ds:SequenceNumeric>
                        <ds:RoutingCountryCode>FR</ds:RoutingCountryCode>
                    </ds:Itinerary>
                    <ds:Itinerary>
                        <ds:SequenceNumeric>2</ds:SequenceNumeric>
                        <ds:RoutingCountryCode>DE</ds:RoutingCountryCode>
                    </ds:Itinerary>
                    <ds:Itinerary>
                        <ds:SequenceNumeric>3</ds:SequenceNumeric>
                        <ds:RoutingCountryCode>CZ</ds:RoutingCountryCode>
                    </ds:Itinerary>
```

```
                        <ds:Itinerary>
                            <ds:SequenceNumeric>4</ds:SequenceNumeric>
                            <ds:RoutingCountryCode>SK</ds:RoutingCountryCode>
                        </ds:Itinerary>
                        <ds:Itinerary>
                            <ds:SequenceNumeric>5</ds:SequenceNumeric>
                            <ds:RoutingCountryCode>UA</ds:RoutingCountryCode>
                        </ds:Itinerary>
                    </ds:TransitTransportMeans>
                    <!--Zero or more repetitions:-->
                    <ds:TransportEquipment>
                        <ds:SequenceNumeric>1</ds:SequenceNumeric>
                        <ds:CharacteristicCode>CC1</ds:CharacteristicCode>
                        <ds:ID>TE1</ds:ID>
                        <ds:AdditionalDocument>
                            <ds:ID>CoA-4873218</ds:ID>
                            <ds:IssueDateTime formatCode="208">20201122113346+0200</ds:IssueDateTime>
                            <ds:TypeCode>CoA</ds:TypeCode>
                            <ds:BinaryFile>
                                <ds:ID>1</ds:ID>
                                <ds:Title>Certificate of approval</ds:Title>
                                <ds:AuthorName>Douanes françaises</ds:AuthorName>
                                <ds:VersionID>1</ds:VersionID>
                                <ds:URIID>https://my.server/fileFolder/CoA.pdf</ds:URIID>
                                <ds:Access>Password:mysecurepassword</ds:Access>
                                <ds:Description>The scan copy of the certificate of approval of the TIR
truck</ds:Description>
                                <ds:SizeMeasure unitCode="4L">2.457</ds:SizeMeasure>
                                <ds:TypeCode>pdf</ds:TypeCode>
                                <ds:HashCode>4b8c7b76204678a76d6a8ab83f5563d0</ds:HashCode>
                                <ds:HashCodeAlgorithmIDCode>MD5</ds:HashCodeAlgorithmIDCode>
                            </ds:BinaryFile>
                        </ds:AdditionalDocument>
                        <!--Zero or more repetitions:-->
                        <ds:Seal>
                        </ds:Seal>
                    </ds:TransportEquipment>
                </etir:Consignment>
                <!--Zero or more repetitions:-->
                <etir:DeclarationGuarantee>
                    <etir:ExpirationDateTime formatCode="102">20211122</etir:ExpirationDateTime>
                    <etir:ReferenceID>XF95001234</etir:ReferenceID>
                </etir:DeclarationGuarantee>
                <!--Optional:-->
                <!--principal mandatory for process even if not in wsdl-->
                <etir:Principal>
                    <etir:ID>FRA/020/998</etir:ID>
                </etir:Principal>
            </etir:Declaration>
        </etir:InterGov>
    </cus:recordDeclarationData>
  </soap:Body>
</soap:Envelope>
```

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

# 6.4. "I8 - Record declaration data results" response message

## 6.4.1. Description

The eTIR international system sends back the **I8 - Record declaration data results** response message to the national customs systems to confirm the correct reception and recording of the declaration data as well as the national references for printing the accompanying document.

The XSD file related to the **I8 - Record declaration data results** message is available at the following URL: https://wiki.unece.org/download/attachments/106299941/WCO_eTIR_I8_1.xsd.

## 6.4.2. Field list

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

## 6.4.3. Field descriptions

| eTIR field name | Mapping to the XML element (XPATH) | Description | Usage |
|---|---|---|---|
| MESSAGE | | | |

| eTIR field name | Mapping to the XML element (XPATH) | Description | Usage |
|---|---|---|---|
| ├ Message function, coded | Function | Code describing the function of the message | The value should be "44" if the request was processed correctly. If at least one error is described in this message, the value should be "27" |
| ├ Original Message Identifier | FunctionalReferenceID | Unique identifier of the request message associated with this response | The value should be the one mentioned in the message identifier field of the request message (I7) |
| ├ Message identifier | ID | Unique identifier of the message | The value should be a Globally Unique Identifier (GUID) as detailed in the dedicated section of the introduction document |
| ├ Type, coded | TypeCode | Code of the message type | The value should be set to "I8" |
| ├┬ DECLARATIONDATA | Declaration | Class representing the declaration data as accepted by customs | |
| │ └┬ NATIONALREFERENCE | Declaration/NationalReference | Class representing the list of national references under which the declaration data has been saved in the countries along the itinerary of the transport | |
| │ ├ Reference | Declaration/NationalReference/ID | Identifier of the national reference of the declaration | The value should be the identifier of the national reference under which the declaration has been saved in the country which has received the "I15 - Notify customs" notification message |
| │ └ Country, coded | Declaration/NationalReference/IssuingCountryCode | Code of the country along the itinerary | The value should be the code of the country which has received the notification "I7" from the list Country name code (ISO 3166-1-alpha-2) (https://www.unece.org/fileadmin/DAM/trans/bcf/eTIR/documents/CodeLists0_4.pdf#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 |
| └ 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)

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

### 6.4.5. Conditions and Rules

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

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

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

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

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

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

### 6.4.7. Applicable error codes

As the eTIR international system may return error codes, the eTIR web services introduction document contains a dedicated section describing how and where to find those error codes in the response messages. Find below the list of error codes that may be returned as part of the **I8 - Record declaration data results** response message as well as the recommended actions to address them:

*100 - Invalid message*

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

*103 - Malformed date*

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

*104 - Not an integer*

Kindly check the integer parameters. Make sure that each integer parameter has a value that can successfully be casted as an integer.

*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 - Max 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 element*

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

*151 - Condition C001 failure*

Kindly check the parameters constrained by the condition [C001] and make sure their values respect:
IF EXIST( PARTY.code )
THEN NOT EMPTY( PARTY.code )
ELSE NOT EMPTY( PARTY.name , ADDRESS ).

*152 - Condition C002 failure*

Kindly check the parameters constrained by the condition [C002] and make sure their values respect:
IF ( PACKAGING.Type, coded ) =
"VQ", "VG", "VL", "VY", "VR" OR "VO"
THEN EMPTY (PACKAGING.Number of packages )
ELSE ( PACKAGING.Number of packages ) > 0.

*153 - Condition C003 failure*

Kindly check the parameters constrained by the condition [C003] and make sure their values respect:
IF( ADVANCE TIR DATA.ADDITIONALINFORMATION.Heavy and bulky goods
indicator ) = 0

THEN NOT EMPTY( TRANSPORTEQUIPMENT )
ELSE EMPTY( TRANSPORTEQUIPMENT ).

*154 - Condition C004 failure*

Kindly check the parameters constrained by the condition [C004] and make sure their values respect:
IF EMPTY( GOODS.CLASSIFICATION ) OR ( GOODS.CLASSIFICATION.Type ) <> 'HS'
THEN NOT EMPTY( GOODS.Description ).

*155 - Condition C005 failure*

Kindly check the parameters constrained by the condition [C005] and make sure their values respect:
IF( ADVANCE TIR DATA.ADDITIONALINFORMATION.Heavy and bulky goods
indicator ) = 0
THEN NOT EMPTY( TRANSPORTEQUIPMENT.CERTIFICATEOFAPPROVAL )
ELSE EMPTY( TRANSPORTEQUIPMENT.CERTIFICATEOFAPPROVAL ).

*158 - Condition C008 failure*

Kindly check the parameters constrained by the condition [C008] and make sure their values respect:
IF( MESSAGE.Message function, coded) = '1'
THEN EMPTY( ADDITIONALINFORMATION, AGENT,AMENDMENT, SUBCONTRACTOR,
CONSIGMENT,GUARANTEE,HOLDER ) AND NOT EMPTY (MESSAGE.FunctionalReference)
ELSE IF( MESSAGE.Message function, coded) = '4'
THEN NOT EMPTY( MESSAGE.FunctionalReference, AMENDMENT,
ADDITIONALINFORMATION,
CONSIGMENT,GUARANTEE,HOLDER )
ELSE IF( MESSAGE.Message function, coded) = '9'
THEN EMPTY( MESSAGE.FunctionalReference, AMENDMENT ) AND NOT EMPTY
(ADDITIONALINFORMATION, CONSIGMENT,GUARANTEE,HOLDER ).

*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.

*300 - Invalid Operation*

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

*301 - Guarantee not found*

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

*302 - Guarantee chain not found*

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

*303 - Guarantee type not found*

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

*304 - Customs Office not found*

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

*305 - Country not found*

Kindly check the value of the country code in the message and make sure it matches the value received in previous messages and that it belongs to the Country name code (ISO 3166-1-alpha-2) code list (CL04).

*400 - eTIR internal errors*

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

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 **I8 - Record declaration data results** message received in response to the POST of the **I7 - Record declaration data** message. This response message (Function code **44 - Accepted without reserves**) of the type **I8 - Record declaration data results**, containing no error codes, describes a positive acknowledgment for the declaration data related to the guarantee reference ID **XF95001234**. It was registered in the countries along the itinerary, and the four national references are provided. These references will be used to generate the accompanying document that will be handed over to the truck driver.

It is important to understand that the absence of error in the **I8 - Record declaration data results** response message is the key indicator to reflect that the record of the declaration data is accepted.

*I8 - Record declaration data results response message*

```
<?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:customs/recordDeclarationDataResponse</wsa:Action>
        <wsa:MessageID>uuid:8350af11-8170-495d-9563-6a87e32ef745</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-c64dca31-aaf8-4232-a9b3-03c89698547b">
        <cus:recordDeclarationDataResponse xmlns:cus="etir:v4.3:customs" xmlns:etir="etir:I8:v4.3">
            <etir:InterGov>
                <etir:Function>44</etir:Function>
                <etir:FunctionalReferenceID>94363297-44bc-4814-9e00-1a35b7a3d614</etir:FunctionalReferenceID>
                <etir:ID>2e19f282-70bf-459a-881f-6f4bb99e7ef2</etir:ID>
                <etir:TypeCode>I8</etir:TypeCode>
                <etir:Declaration>
                    <etir:ID>XF95001234</etir:ID>
                    <etir:NationalReference>
                        <etir:ID>TIR45734813780</etir:ID>
                        <etir:IssuingCountryCode>DE</etir:IssuingCountryCode>
                    </etir:NationalReference>
                    <etir:NationalReference>
                        <etir:ID>34ec6a74-7c6e-4b74-8904-d16cf76235e5</etir:ID>
                        <etir:IssuingCountryCode>CZ</etir:IssuingCountryCode>
                    </etir:NationalReference>
                    <etir:NationalReference>
                        <etir:ID>eTIR-425782</etir:ID>
                        <etir:IssuingCountryCode>SK</etir:IssuingCountryCode>
                    </etir:NationalReference>
                    <etir:NationalReference>
                        <etir:ID>TIR-XF95001234</etir:ID>
                        <etir:IssuingCountryCode>UA</etir:IssuingCountryCode>
                    </etir:NationalReference>
                </etir:Declaration>
            </etir:InterGov>
        </cus:recordDeclarationDataResponse>
    </soap:Body>
</soap:Envelope>
```

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

# 7. Fallback procedures

In the event that the **I7 - Record declaration data** could not be sent after several attempts or if no **I8 - Record declaration data results** was received in response, we recommend the national customs systems team to contact eTIR support (Support and contact).

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

# 8. Support and contact

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

*Organization* United Nations Economic Commission For Europe
TIR secretariat
Palais des Nations,
1211 Geneva 10, Switzerland

*Contact* Email: etir@un.org
Phone: +41 (0)22 917 55 06

# 9. Version history

| Date | Author | Version | Notes | eTIR specification version reference |
|---|---|---|---|---|
| 23/11/2020 | TIR Secretariat | 1.0 | Initial draft | 4.3a |
| 16/04/2020 | TIR Secretariat | 1.1 | Updated messages structure and XML examples. Added information about amended declaration data. | 4.3a |