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Group of Experts on Conceptual and Technical Aspects of Computerization of the TIR Procedure

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Item 6 (a) of the provisional agenda

eTIR international system:

Progress report on the development of the eTIR international system

eTIR web services - Messages I1-I2

I1 - Accept guarantee / I2 - Acceptance results*

Note by the secretariat

I. Introduction - Mandate

1. The Inland Transport Committee during its eighty-second session (23–28 February 2020) approved (ECE/TRANS/294, para. 84¹) the establishment of the Group of Experts on Conceptual and Technical Aspects of Computerization of the TIR Procedure (WP.30/GE.1) and endorsed its ToR² (ECE/TRANS/WP30/2019/9 and ECE/TRANS/WP.30/2019/9/Corr.1) pending approval by UNECE Executive Committee (EXCOM). EXCOM during its Remote informal meeting of members of the Executive Committee (20 May 2020) approved the establishment of the Group of Experts on Conceptual and Technical Aspects of Computerization of the TIR Procedure (WP.30/GE.1) until 2022, based on the terms of reference included in document ECE/TRANS/WP.30/2019/9 and Corr.1, as contained in document ECE/TRANS/294 (ECE/EX/2020/L.2, para. 5(b)).³

* This document was submitted late for processing since clearance in finalizing this document took longer than anticipated.

¹ Decision of the Inland Transport Committee para. 84 / ECE/TRANS/294
www.unece.org/fileadmin/DAM/trans/doc/2020/itc/ECE-TRANS-294e.pdf

² Terms of reference of the newly established Group approved by the Inland Transport Committee and the Executive Committee (EXCOM) of UNECE
www.unece.org/fileadmin/DAM/trans/bcf/wp30/documents/2019/ECE-TRANS-WP30-2019-09e.pdf
and corrigendum www.unece.org/fileadmin/DAM/trans/bcf/wp30/documents/2019/ECE-TRANS-WP30-2019-09c1e.pdf

³ Decision of EXCOM, ECE/EX/2020/L.2 / para. 5(b)
www.unece.org/fileadmin/DAM/commission/EXCOM/Agenda/2020/Remote_informal_mtg_20_05_2020/Item_4_ECE_EX_2020_L.2_ITC_Sub_bodies_E.pdf



2. The terms of reference of the Group stipulate that the Group should focus its work on preparing a new version of the eTIR specifications, pending the formal establishment of TIB. More specifically the Group should (a) prepare a new version of the technical specifications of the eTIR procedure, and amendments thereto, ensuring their alignment with the functional specifications of the eTIR procedure; (b) prepare a new version of the functional specifications of the eTIR procedure, and amendments thereto, ensuring their alignment with the conceptual specifications of the eTIR procedure; (c) prepare amendments to the conceptual specifications of the eTIR procedure, upon requests by WP.30.

II. Purpose

3. This document presents the technical specifications of the eTIR messages “I1-Accept guarantee” and “I2-Acceptance results”. This document is valid for the eTIR international system version 1.0 based on the eTIR specifications version 4.3a.

III. Related documents

A. Project documents and collaboration platform

- eTIR documentation portal: wiki.unece.org/display/ED/eTIR+documentation+-+Homepage
- Project guidelines for customs to connect to the eTIR international system : wiki.unece.org/download/attachments/106299939/Project%20Guidelines%20for%20customs%20to%20connect%20to%20the%20eTIR%20international%20system.pdf
- eTIR web services - Introduction document: wiki.unece.org/download/attachments/106299935/eTIR%20web%20services%20-%20Introduction%20document.pdf

B. Legal framework

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

C. eTIR specifications

- Introduction to the eTIR conceptual, functional and technical v4.2: www.unece.org/fileadmin/DAM/trans/bcf/adhoc/conc_tech/documents/id17-05e.pdf
- eTIR concepts v4.2: www.unece.org/fileadmin/DAM/trans/bcf/adhoc/conc_tech/documents/id17-06e.pdf
- eTIR Functional specifications v4.2: 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: www.unece.org/fileadmin/DAM/trans/bcf/wp30/documents/2020/ECE-TRANS-WP30-2020-07e.pdf

D. Additional resources

- eTIR XML schemas: wiki.unece.org/display/ED/Technical+artefacts

- eTIR code lists:
www.unece.org/fileadmin/DAM/trans/bcf/eTIR/documents/CodeLists0_4.pdf
- List of eTIR focal points: www.unece.org/trans/bcf/etir/focals.html

IV. Related documents

4. This document describes the I1 - Accept guarantee request message, and the I2 - Acceptance 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.

V. Target audience

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

VI. Prerequisites

6. 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 (and in its glossary).

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

- A secured connection to the User Acceptance Testing (UAT) environment of the eTIR international system is established;
- The endpoint URL to the UAT environment is clearly identified and properly configured in the national customs systems;
- All the actions mentioned in the *prerequisites section* of the eTIR web services introduction document are performed;
- All the tools required to prepare, receive, test and troubleshoot the messages are ready.

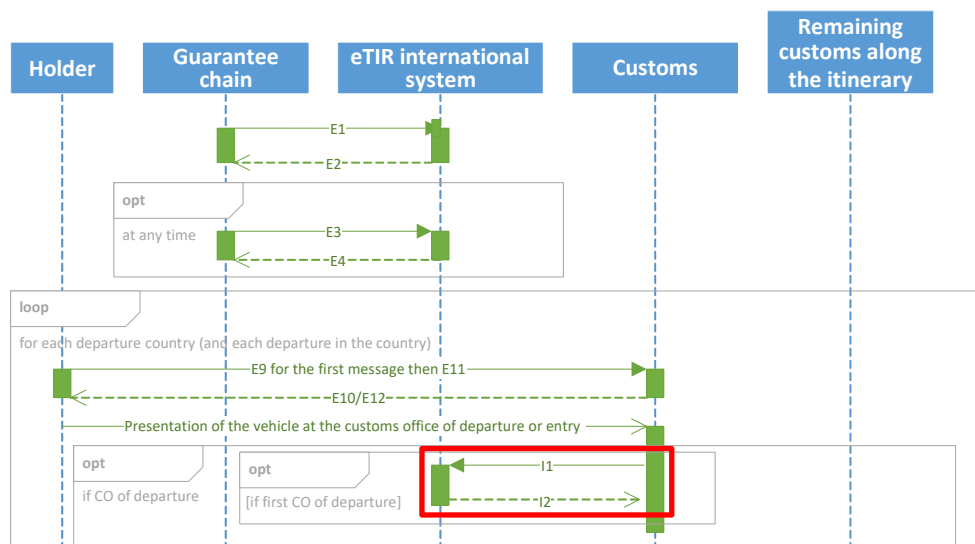
8. All eTIR messages are identified and belong to a flow described in the eTIR sequence diagrams section of the *eTIR web services introduction document*. It is key to respect this sequencing, otherwise the eTIR international system will return errors due to invalid sequencing of the messages as described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

VII. "I1 - Accept guarantee" / "I2 - Acceptance results" messages

A. Sequence diagram

9. The following sequence diagram highlights the role and sequence position of the I1 - Accept guarantee and I2 - Acceptance results messages in the context of a TIR departure operation. The full eTIR sequence diagrams (Departure, Transit and Destination) are available in the dedicated section of the eTIR web services introduction document.

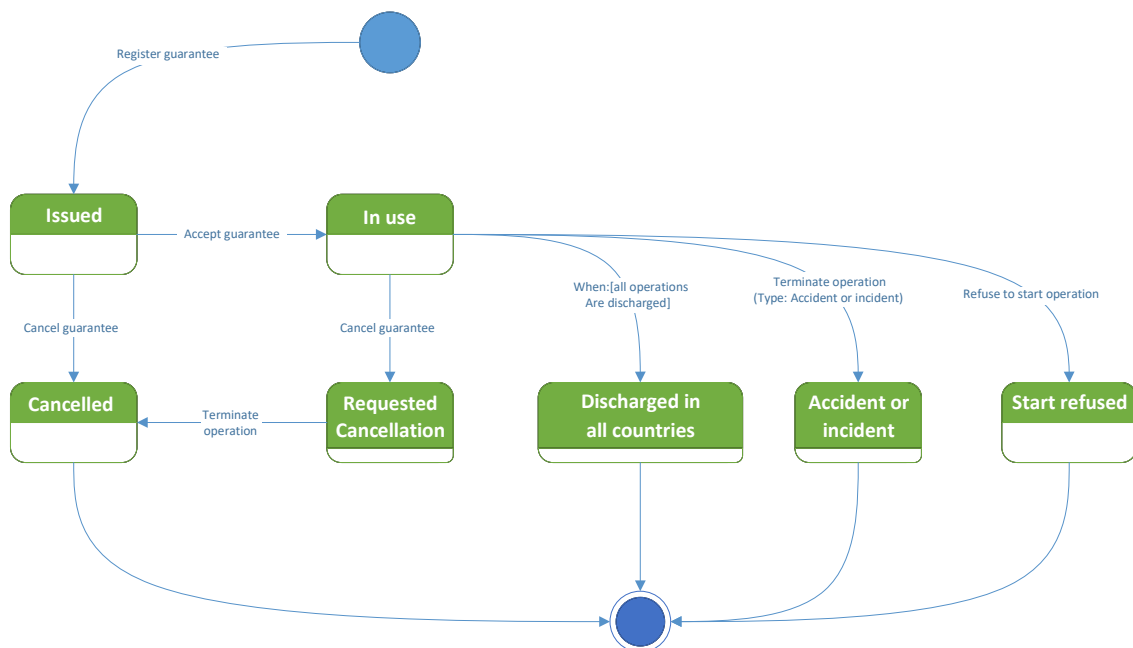
Figure I
Time sequence diagram



B. Message context

10. The I1 - Accept guarantee message is mandatory before starting a TIR transport and should be prepared and sent after the presentation of the road vehicle, the combination of vehicles or the container at the customs offices of departure (or entry) and after the transported goods have been inspected, checked against the advance TIR data, and the seals affixed.

Figure II
Guarantee stage diagram



11. The guarantee can have different states and it is important to be aware of its life cycle, the figure below outline them. For more information please refer to the eTIR specification section dedicated to the guarantee if you need more information.

1. Message prerequisites

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

- E1 - Register guarantee and E2 - Registration results (between the guarantee chain and the eTIR international system): the eGuarantee that was purchased by the holder must first be 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 systems): the holder will have sent to the customs office of departure the advance TIR data that acts as the pre-declaration for the transport.

2. Endpoint URL

13. The URL of the endpoint to use when sending the I1 - Accept guarantee request message is: etir-uat-01.unece.org/etir/v4.3/customs/acceptGuarantee

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

C. "I1 - Accept guarantee" request message

1. Description

15. The national customs systems sends the I1 - Accept guarantee request message to the eTIR international system confirming that the guarantee has been accepted by the customs authorities.

16. The XSD file related to the I1 - Accept guarantee message is available at the following URL: www.unece.org/trans/bcf/etir/xml_schemas.html.

2. Field list

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Mandatory</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>	<i>WCO ID</i>
<i>MESSAGE</i>							75B
<i>Message function, coded</i>	<i>Function</i>	R	n..2	CL16			017
<i>Message identifier</i>	<i>ID</i>	R	an..70				D014
<i>Type, coded</i>	<i>TypeCode</i>	R	an..3	CL26			D013
<i>GUARANTEE</i>	<i>ObligationGuarantee</i>	R					90A
<i>Acceptance date</i>	<i>ObligationGuarantee/AcceptanceDateTime</i>	R	an..35				023
<i>Reference</i>	<i>ObligationGuarantee/ReferenceID</i>	R	an..35				100
<i>Guarantee type, coded</i>	<i>ObligationGuarantee/SecurityDetailsCode</i>	R	an..3	CL12			101
<i>GUARANTEECHAIN</i>	<i>ObligationGuarantee/Surety</i>	R					19B
<i>Code</i>	<i>ObligationGuarantee/Surety/ID</i>	R	an..35				R055
<i>HOLDER</i>	<i>ObligationGuarantee/Principal</i>	R					28B
<i>Code</i>	<i>ObligationGuarantee/Principal/ID</i>	R	an..35				R002

3. Field descriptions

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
MESSAGE			
└ Message function, coded	Function	Code describing the function of the message	The value should be set to "9" (Original)
└ Message identifier	ID	Unique identifier of the message	The value should be a Globally Unique Identifier (GUID) as detailed in the dedicated section of the introduction document
└ Type, coded	TypeCode	Code of the message type	The only value accepted for this message is the message code value (either I1 for the request message or I2 for the response message).
└ GUARANTEE	ObligationGuarantee	Class representing the guarantee of this TIR transport	
└ Acceptance date	ObligationGuarantee/AcceptanceDateTime	Date on which a document has been or will be accepted in accordance with governmental legislation.	This field is mandatory but the date information can be provided following the EDIFACT 208 format CCYYMMDDHHMMSSZHHMM (https://www.unece.org/fileadmin/DAM/trade/untdid/d17a/tred/tred2379.htm). For Example: 20200820145600+0100 represents 20 August 2020 at 14:56 UTC+01:00.
└ Reference	ObligationGuarantee/ReferenceID	Unique identifier of the guarantee	This value is retrieved from the I7 - Record declaration data previously received
└ Guarantee type, coded	ObligationGuarantee/SecurityDetailsCode	The type of the guarantee as defined in the code list CL12 (https://www.unece.org/fileadmin/DAM/trans/bcf/eTIR/documents/CodeLists0_4.pdf#page=113)	This value is retrieved from the I7 - Record declaration data previously received
└ GUARANTEECHAIN	ObligationGuarantee/Surety		
└ └ Code	ObligationGuarantee/Surety/ID	Identifier of the guarantee chain which issued the guarantee	The value of this field is 'TRU' for guarantees issued by the International Road transport Union. This value is retrieved from the I7 - Record declaration data previously received
└ HOLDER	ObligationGuarantee/Principal		

<i>eTIR field name</i>	<i>Mapping to the XML element (XPath)</i>	<i>Description</i>	<i>Usage</i>
L Code	ObligationGuarantee/Principal/ID	Identifier of the TIR carnet holder associated to the guarantee	This value matches the holder's identifier in ITDB. This value is retrieved from the I7 - Record declaration data previously received

17. 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.

4. Referred code lists

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

- CL12 - Guarantee type code (eTIR)
- CL16 - Message function code (UN/EDIFACT 1225)
- CL26 - Message types (eTIR)

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

5. Example

20. The example below shows the XML data to be sent via POST method to the endpoint URL to request the guarantee XF95001234 (of type Z) issued by the guarantee chain IRU for the TIR carnet holder FRA/020/998 on the date of 2019/07/23 when the guarantee needs to be accepted.

I1 - Accept guarantee request message

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope" xmlns:cus="etir:v4.3:customs" xmlns:etir=
"etir:I1:v4.3">
  <soap:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
    (...)
    <wsa:Action>etir:v4.3:customs/acceptGuarantee</wsa:Action>
    <wsa:MessageID>uuid:8a20af11-8170-495d-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-4eed340a-58d8-4d4d-b1b9-e9b94ba4baf1">
    <cus:acceptGuarantee>
      <etir:InterGov>
        <etir:FunctionCode>9</etir:FunctionCode>
        <etir:ID>FR:6aca5f82-2285-4f00-b4ae-36269d4cc865</etir:ID>
        <etir:TypeCode>I1</etir:TypeCode>
        <etir:ObligationGuarantee>
          <etir:ReferenceID>XF95001234</etir:ReferenceID>
          <etir:AcceptanceDateTime>2019/07/23</etir:AcceptanceDateTime>
          <etir:SecurityDetailsCode>Z</etir:SecurityDetailsCode>
          <etir:Surety>
            <etir:ID>IRU</etir:ID>
          </etir:Surety>
          <etir:Principal>
            <etir:ID>FRA/020/998</etir:ID>
          </etir:Principal>
        </etir:ObligationGuarantee>
      </etir:InterGov>
    </cus:acceptGuarantee>
  </soap:Body>
</soap:Envelope>
```

21. 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.

D. "I2 - Acceptance results" response message

1. Description

22. The eTIR international system sends back the I2 - Acceptance results response message to the national customs systems to confirm the correct reception and recording of the acceptance of the guarantee.

23. The XSD file related to the I2 - Acceptance results message is available at the following URL: www.unece.org/trans/bcf/etir/xml_schemas.html.

2. Field list

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Mandatory</i>	<i>Format</i>	<i>Code lists</i>	<i>Conditions</i>	<i>Rules</i>	<i>WCO ID</i>
MESSAGE						75B	
Message function, coded	Function	R	n..2	CL16		017	
Functional reference	FunctionalReferenceID		an..70			D026	
Message identifier	ID	R	an..70			D014	
Type, coded	TypeCode	R	an..3	CL26		D013	
ERROR	Error	D			C006	53A	
Error, coded	Error/ValidationCode		an..8	CL99		377	
POINTER	Error/Pointer	R				97A	
Sequence number	Error/Pointer/SequenceNumeric	R	n..5			006	
Location	Error/Pointer/Location	R	an..512			512	
GUARANTEE	ObligationGuarantee	R				90A	
Reference	ObligationGuarantee/ReferenceID	R	an..35			100	

3. Field list

24. 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.

<i>eTIR field name</i>	<i>Mapping to the XML element (XPATH)</i>	<i>Description</i>	<i>Usage</i>
MESSAGE			
Message function, coded	Function	Code describing the function of the message	The function code should be set to '11' (Response)
Functional reference	FunctionalReferenceID	Identifier of the request message associated with this response	The value should be the one mentioned in the message identifier field of the request message I1
Message identifier	ID	Unique identifier of the message	The value should be a Globally Unique Identifier (GUID) as detailed in the dedicated section of the introduction document
Type, coded	TypeCode	Code of the message type	The only value accepted for this message is the message code value (either I1 for the request message or I2 for the response message).
ERROR	Error	List of errors, if any	There can have errors only if the value of the 'Message function, coded' is 27.
Error, coded	Error/ValidationCode	Code of the error type	The value should be the code of the error from the list CL99
POINTER	Error/Pointer	Pointer to the erroring field, if any	
Sequence number	Error/Pointer/SequenceNumeric	Index of the error in the list	The value should be the index (1-based) of the error in the list
Location	Error/Pointer/Location	Location of the erroring field	The value should be the location of the error field following the XPath syntax.
GUARANTEE	ObligationGuarantee	Class representing the guarantee of this TIR transport	
Reference	ObligationGuarantee/ReferenceID	This is the unique identifier of the guarantee which was accepted	This value is retrieved from the I7 - Record declaration data previously received

4. Referred code lists

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

- CL16 - Message function code (UN/EDIFACT 1225)
- CL26 - Message types (eTIR)
- CL99 - Error code (eTIR)

26. All codes lists are described in the *eTIR code lists document*.

5. Conditions and Rules

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

28. The eTIR international system will return whether there were errors while processing the request message by filling in the "Errors" list. Therefore, and as for all response messages expected from the eTIR international system, the first step when parsing the I2 - Acceptance results response message should always be to look for potential error elements in the response message and address them accordingly as mentioned in the Error Management section of the Introduction document.

29. If there are no errors listed in the response message, check that the reference of the guarantee that has been recorded as accepted in the eTIR international system is indeed the same as the one mentioned in the I1 - Accept guarantee message that you sent. If it's not the case, then you should contact the eTIR support (see Support and contact) to report this issue so that it can be investigated as soon as possible.

30. If there was no errors and the response message content is as expected, the next step is for the national customs systems to send the declaration data to the eTIR international system using the I7 - Record declaration data message.

7. Applicable error codes

31. 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 I2 - Acceptance results response message as well as the recommended actions to address them:

100 - Invalid Message

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

101 - Missing Parameter

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

102 - Invalid Domain Value Parameter

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

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.

201 - Guarantee not acceptable

Kindly check the state of the guarantee you tried to accept, and make sure it is conform the workflow described in the guarantee state diagram.

300 - Invalid Operation

Kindly check the message content as it triggered a technical error in the eTIR international system but that 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.

320 - Holder/Guarantee mismatch

Kindly check the format and value of the TIR carnet holder in the message and make sure it matches the value received in previous messages. If it does, kindly check the existence of the holder and its status using either eTIR I3 - Get holder information message, ITDB dedicated web services or ITDB web application.

330 - Guarantee chain not authorized

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

331 - Guarantee chain/Guarantee mismatch

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

332 - Guarantee type/Guarantee mismatch

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

400 - eTIR Problem

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

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

8. Example

33. The example below shows the XML data of the I2 - Acceptance results message received in response to the POST of the I1 - Accept guarantee message. This response message (Function code 11) of the type I2 defines it as (guarantee) acceptance result message for the guarantee reference ID XF95001234. It contains no error codes, therefore it should be considered that the guarantee is accepted.

34. It is important to understand that the absence of error in the I2 - Acceptance results response message is the key indicator to reflect that the guarantee is accepted.

I2 - Acceptance results response message

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope" xmlns:cus="etir:v4.3:customs" xmlns:etir=
"etir:I2:v4.3">
  <soap:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
    (...)
    <wsa:Action>etir:v4.3:customs/acceptGuaranteeResponse</wsa:Action>
    <wsa:MessageID>uuid:8a20af11-8170-495d-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-4eed340a-58d8-4d4d-b1b9-e9b94ba4ba32">
    <cus:acceptanceResults>
      <etir:InterGov>
        <etir:FunctionCode>11</etir:FunctionCode>
        <etir:FunctionalReferenceID>FR:6aca5f82-2285-4f00-b4ae-36269d4cc865</etir:FunctionalReferenceID>
        <etir:TypeCode>I2</etir:TypeCode>
        <etir:ObligationGuarantee>
          <etir:ReferenceID>XF95001234</etir:ReferenceID>
        </etir:ObligationGuarantee>
      </etir:InterGov>
    </cus:acceptanceResults>
  </soap:Body>
</soap:Envelope>
```

35. 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.

VIII. Fallback procedures

36. In the event that the I1 - Accept guarantee could not be sent after several attempts or if no I2 - Acceptance results was received in response, we recommend the national customs systems team to contact eTIR support (Support and contact).

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

IX. Support and contact

38. 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

X. Annexes

A. Version history

Date	Author	Document Version	Notes	eTIR specification version
08/10/2020	TIR Secretariat	1.0	Initial draft	4.3a

B. XSD Files content

1. Request format

39. The I1 - Accept guarantee message should follow the format expressed by the XSD below:

I1 - Accept guarantee request message format

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:I1_1p0="etir:I1:v4.3"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns:ds="etir:MetaData_DS:v4.3"
  targetNamespace="etir:I1:v4.3"
  elementFormDefault="qualified">
  <xs:import namespace="etir:MetaData_DS:v4.3" schemaLocation="WCO_MetaData_DS.xsd"/>
  <xs:element name="InterGov">
    <xs:annotation>
      <xs:documentation>
        <eTIRName>Message</eTIRName>
        <Disclaimer>
          Usage and disclaimer clause
```

This(ese) schema(s) may be used, copied, amended and furnished to others in whole or in part, without restriction of any kind other than the obligation to keep this usage and disclaimer clause in it (them) and the references to UNECE. However, once modified, schemas may no longer be distributed under the name of UNECE.

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```
</Disclaimer>
</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:sequence>
    <xs:element name="FunctionCode" type="ds:InterGovFunctionCodeType">
      <xs:annotation>
        <xs:documentation xml:lang="EN">
          <Format>n..2</Format>
        </xs:documentation>
        <xs:documentation>
          <eTIRName>Message function, coded</eTIRName>
```

```

        <CodeList>CL16</CodeList>
        <Status>R</Status>
        <RestrictedCode>9</RestrictedCode>
      </xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="ID" type="ds:InterGovIdentificationIDType">
    <xs:annotation>
      <xs:documentation xml:lang="EN">
        <Format>an..70</Format>
      </xs:documentation>
      <xs:documentation>
        <eTIRName>Message identifier</eTIRName>
        <Status>R</Status>
      </xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="TypeCode" type="ds:InterGovTypeCodeType">
    <xs:annotation>
      <xs:documentation xml:lang="EN">
        <Format>an..3</Format>
      </xs:documentation>
      <xs:documentation>
        <eTIRName>Type, coded</eTIRName>
        <CodeList>CL26</CodeList>
        <Status>R</Status>
        <RestrictedCode>I1</RestrictedCode>
      </xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="ObligationGuarantee">
    <xs:annotation>
      <xs:documentation>
        <eTIRName>Guarantee</eTIRName>
        <Status>R</Status>
      </xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:sequence>
        <xs:element name="AcceptanceDateTime" type="ds:EtirDateTimeType">
          <xs:annotation>
            <xs:documentation xml:lang="EN">
              <Format>an..35</Format>
            </xs:documentation>
            <xs:documentation>
              <eTIRName>Acceptance date</eTIRName>

```

```

          <Status>R</Status>
          <DateTimeFormatCode>304 (CCYYMMDDHHMMSSZZZ)</DateTimeFormatCode>
        </xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="ReferenceID" type="ds:ObligationGuaranteeReferenceIDType">
      <xs:annotation>
        <xs:documentation xml:lang="EN">
          <Format>an..35</Format>
        </xs:documentation>
        <xs:documentation>
          <eTIRName>Reference</eTIRName>
          <Status>R</Status>
        </xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="SecurityDetailsCode" type="ds:ObligationGuaranteeSecurityDetailsCodeType">
      <xs:annotation>
        <xs:documentation xml:lang="EN">
          <Format>an..3</Format>
        </xs:documentation>

```



```

        <xs:documentation>
          <eTIRName>Guarantee type, coded</eTIRName>
          <CodeList>CL12</CodeList>
          <Status>R</Status>
        </xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="Surety">
      <xs:annotation>
        <xs:documentation>
          <eTIRName>GuaranteeChain</eTIRName>
          <Status>R</Status>
        </xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element name="ID" type="ds:SuretyIdentificationIDType">
            <xs:annotation>
              <xs:documentation xml:lang="EN">
                <Format>an..35</Format>
              </xs:documentation>
              <xs:documentation>
                <eTIRName>Code</eTIRName>
                <Status>R</Status>
              </xs:documentation>
            </xs:annotation>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="Principal">
      <xs:annotation>
        <xs:documentation>
          <eTIRName>Holder</eTIRName>
          <Status>R</Status>

```

```

        </xs:documentation>
      </xs:annotation>
    <xs:complexType>
      <xs:sequence>
        <xs:element name="ID" type="ds:PrincipalIdentificationIDType">
          <xs:annotation>
            <xs:documentation xml:lang="EN">
              <Format>an..35</Format>
            </xs:documentation>
            <xs:documentation>
              <eTIRName>Code</eTIRName>
              <Status>R</Status>
            </xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>

```

40. The original disclaimer field content has been shortened (...) in this document for the sake of readability.

2. Response format

41. The I2 - Acceptance results message should follow the format expressed by the XSD below:

I1 - Acceptance results response message format

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:I2_1p0="etir:I2:v4.3"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns:ds="etir:MetaData_DS:v4.3"
  targetNamespace="etir:I2:v4.3"
  elementFormDefault="qualified">
  <xs:import namespace="etir:MetaData_DS:v4.3" schemaLocation="WCO_MetaData_DS.xsd"/>
  <xs:element name="InterGov">
    <xs:annotation>
      <xs:documentation>
        <eTIRName>Message</eTIRName>
        <Disclaimer>
          Usage and disclaimer clause
```

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```
</Disclaimer>
</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:sequence>
    <xs:element name="FunctionCode" type="ds:InterGovFunctionCodeType">
      <xs:annotation>
        <xs:documentation xml:lang="EN">
          <Format>n..2</Format>
        </xs:documentation>
        <xs:documentation>
          <eTIRName>Message function, coded</eTIRName>
          <CodeList>CL16</CodeList>
          <Status>R</Status>
          <RestrictedCode>27</RestrictedCode>
          <RestrictedCode>44</RestrictedCode>
        </xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="FunctionalReferenceID" type="ds:InterGovFunctionalReferenceIDType">
      <xs:annotation>
        <xs:documentation xml:lang="EN">
          <Format>an..70</Format>
        </xs:documentation>
        <xs:documentation>
          <eTIRName>Functional reference</eTIRName>
        </xs:documentation>
```

```

</xs:annotation>
</xs:element>
<xs:element name="ID" type="ds:InterGovIdentificationIDType">
  <xs:annotation>
    <xs:documentation xml:lang="EN">
      <Format>an..70</Format>
    </xs:documentation>
    <xs:documentation>
      <eTIRName>Message identifier</eTIRName>
      <Status>R</Status>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="TypeCode" type="ds:InterGovTypeCodeType">
  <xs:annotation>
    <xs:documentation xml:lang="EN">
      <Format>an..3</Format>
    </xs:documentation>
    <xs:documentation>
      <eTIRName>Type, coded</eTIRName>
      <CodeList>CL26</CodeList>
      <Status>R</Status>
      <RestrictedCode>I2</RestrictedCode>
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Error" type="ds:Error" minOccurs="0" maxOccurs="unbounded"/>
<xs:element name="ObligationGuarantee">
  <xs:annotation>
    <xs:documentation>
      <eTIRName>Guarantee</eTIRName>
      <Status>R</Status>
    </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ReferenceID" type="ds:ObligationGuaranteeReferenceIDType">
        <xs:annotation>
          <xs:documentation xml:lang="EN">
            <Format>an..35</Format>
          </xs:documentation>
          <xs:documentation>
            <eTIRName>Reference</eTIRName>
            <Status>R</Status>
          </xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>

```

42. 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.

43. All XSD files can be downloaded on the dedicated page of the eTIR documentation portal.