eTIR international system

Implementation in the ESCWA region

TIR secretariat – December 17th

UNECE

Outline

I. The International TIR Data Bank (ITDB)

II. The eTIR procedure

III. Architecture overview

IV. eTIR messages

V. eTIR security model

VI. Progress status

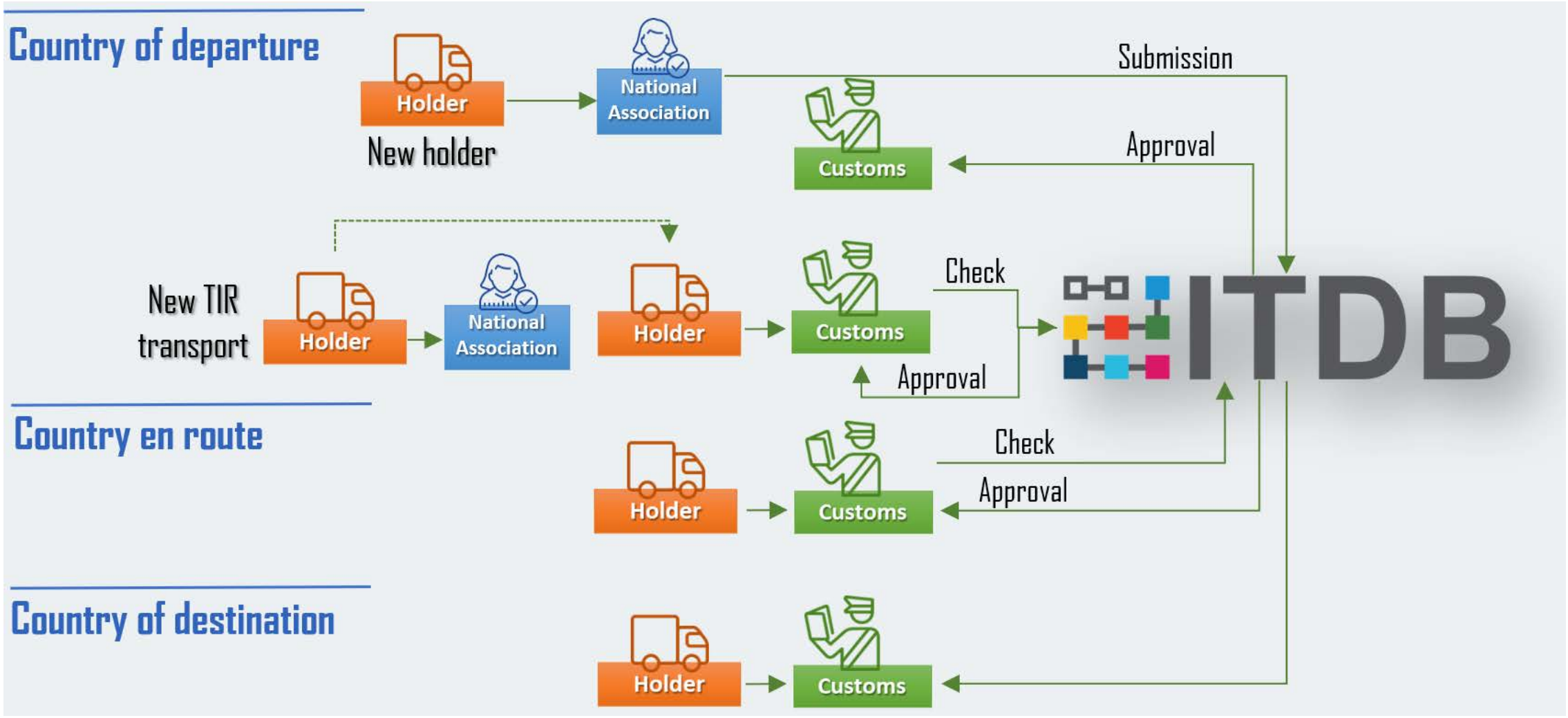
VII. Interconnections projects

The International TIR Data Bank (ITDB)

- Mandate from the ToR of the TIR Executive Board (TIRExB)
  - Approved and excluded transport operators (Annex 9, Part 2, para. 4 and 5)
  - Approved Customs sealing and stamps devices
  - Approved Customs offices for accomplishing TIR operations (Article 45)
  - A new module in preparation for managing the Certificates of Approval

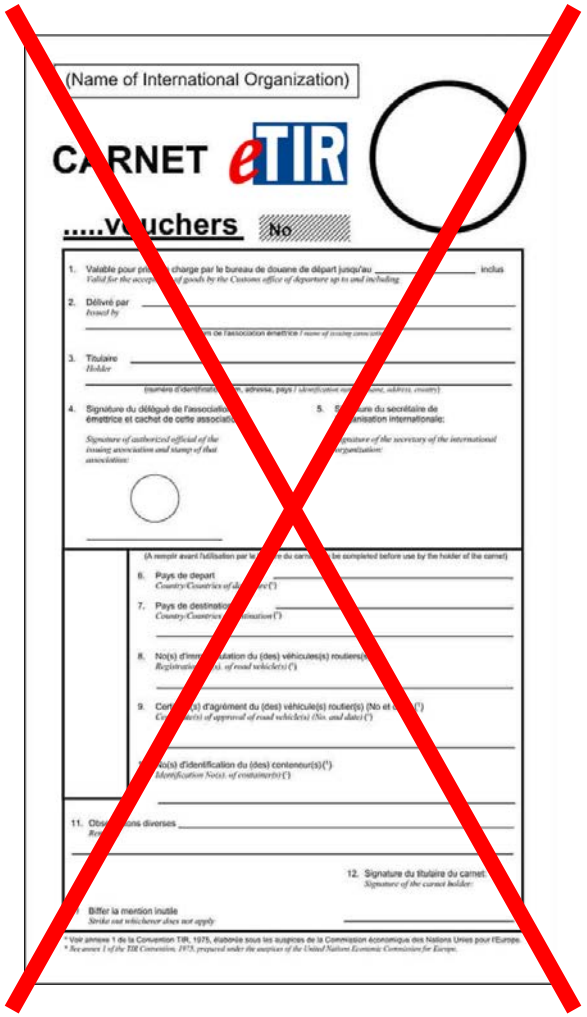
- A few figures
  - 1,000+ web application users *(since 2018)*
  - 32,000+ authorized TIR Carnet holders
  - 250+ stamps and seals records
  - 4,000+ customs offices
  - 138,000+ web service calls *(in 2019)*

The International TIR Data Bank (ITDB)

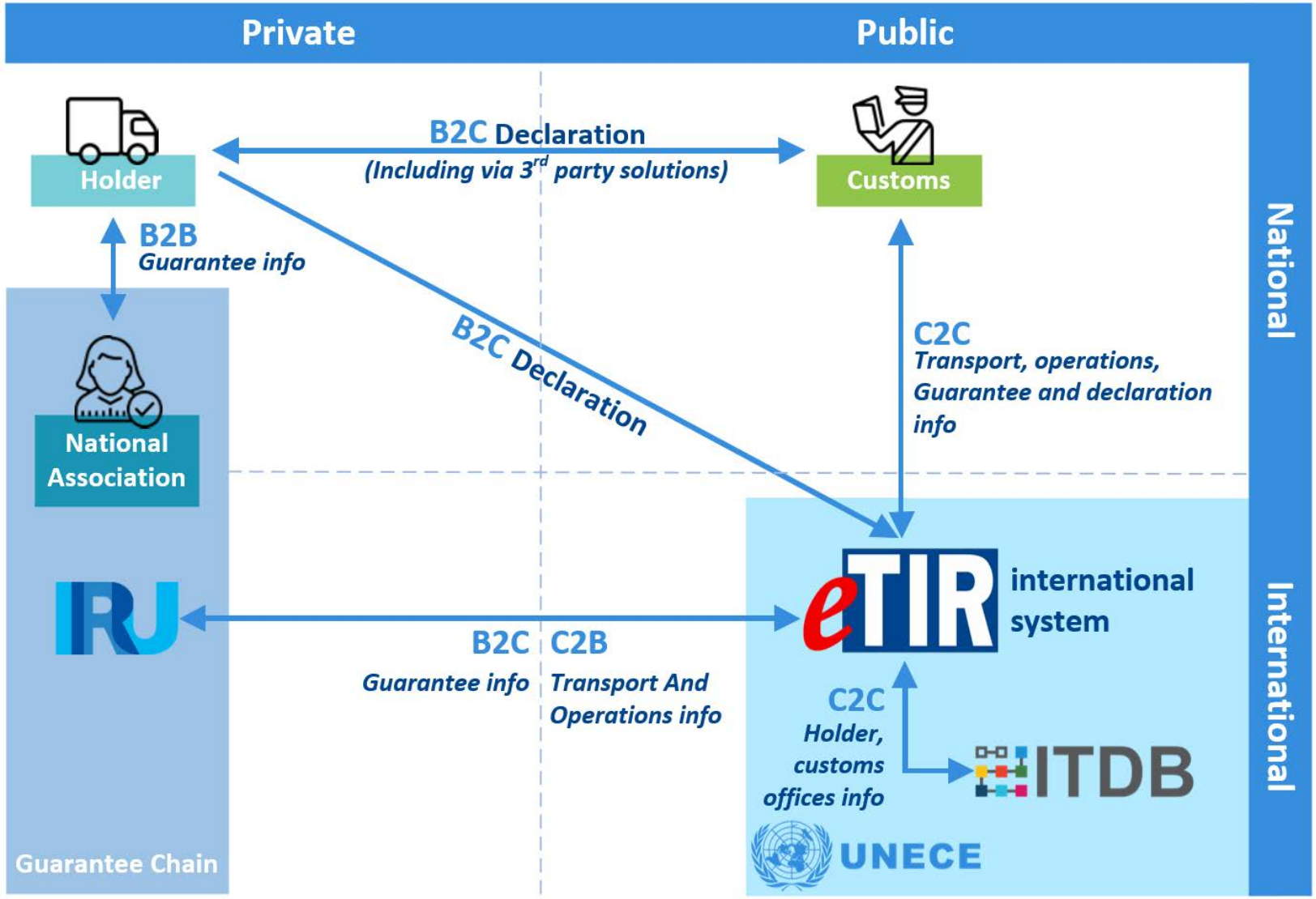


The eTIR procedure

- Implemented by means of **electronic exchange of data**, providing the functional equivalent to the TIR Carnet
- **There is no eTIR carnet**, only exchange of eTIR messages between information systems and
- **eGuarantees** will be used to cover TIR transports using the eTIR procedure
- Governed by the eTIR specifications



Architecture overview



eTIR messages

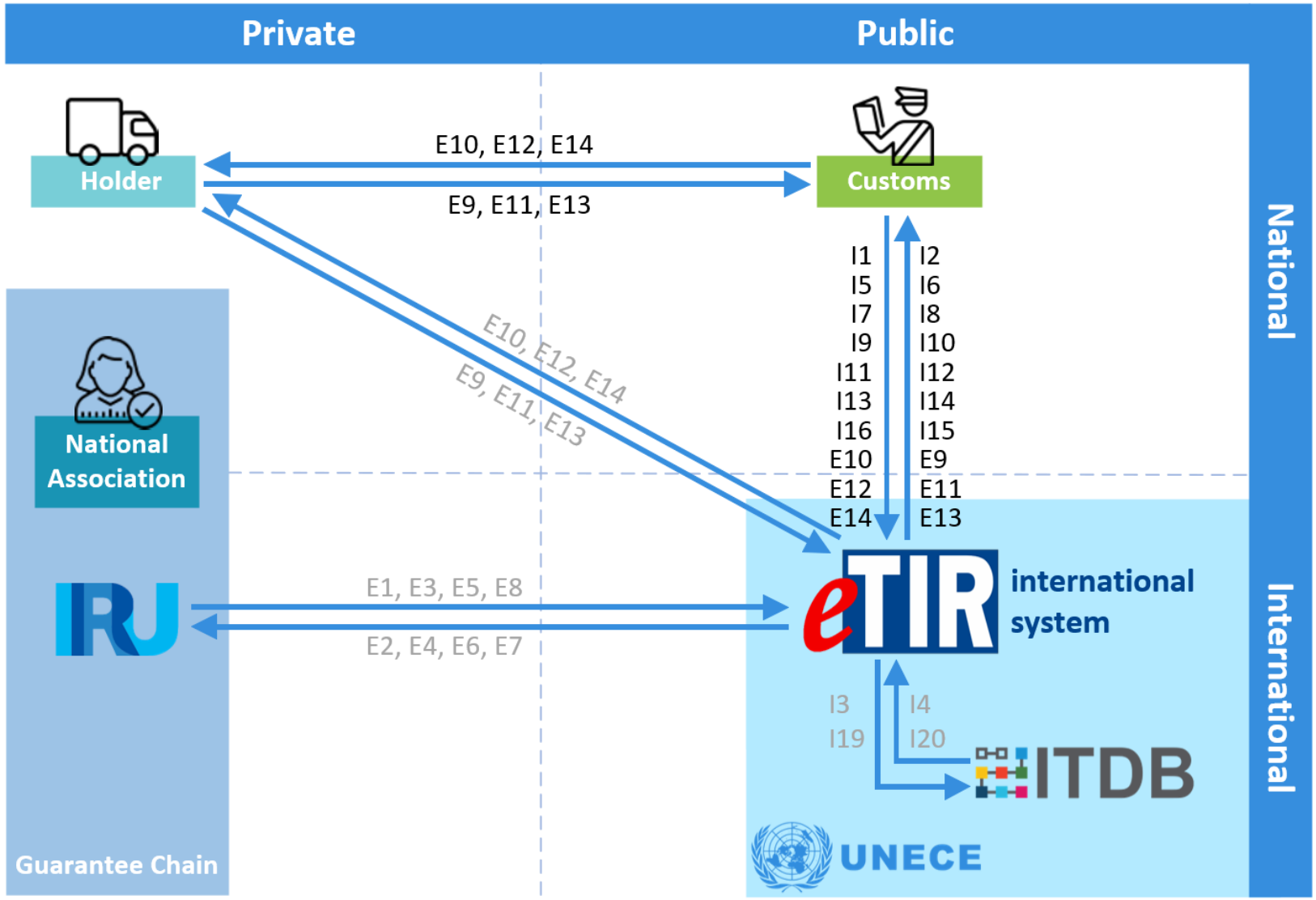
External messages (B2C)

E1	E2	Record guarantee
E3	E4	Cancel guarantee
E5	E6	Query guarantee
E7	E8	Notify guarantee chain
E9	E10	Advance TIR data
E11	E12	Advance amendment data
E13	E14	Cancel advance data

Internal messages (C2C)

I1	I2	Accept guarantee
I3	I4	Get holder info
I5	I6	Query guarantee
I7	I8	Record declaration data
I9	I10	Start TIR operation
I11	I12	Terminate TIR operation
I13	I14	Discharge TIR operation
I15	I16	Notify customs
I17	I18	Refusal to start TIR operation
I19	I20	Check customs office

Architecture overview - Messages



eTIR use cases

Standard use cases

Guarantee issuance

Submission of advance TIR data

Acceptance of the declaration

Start a TIR operation

Terminate a TIR operation

Discharge a TIR operation

Query the guarantee

Checks/validations in ITDB

Special use cases

Guarantee cancellation

Cancel advance data

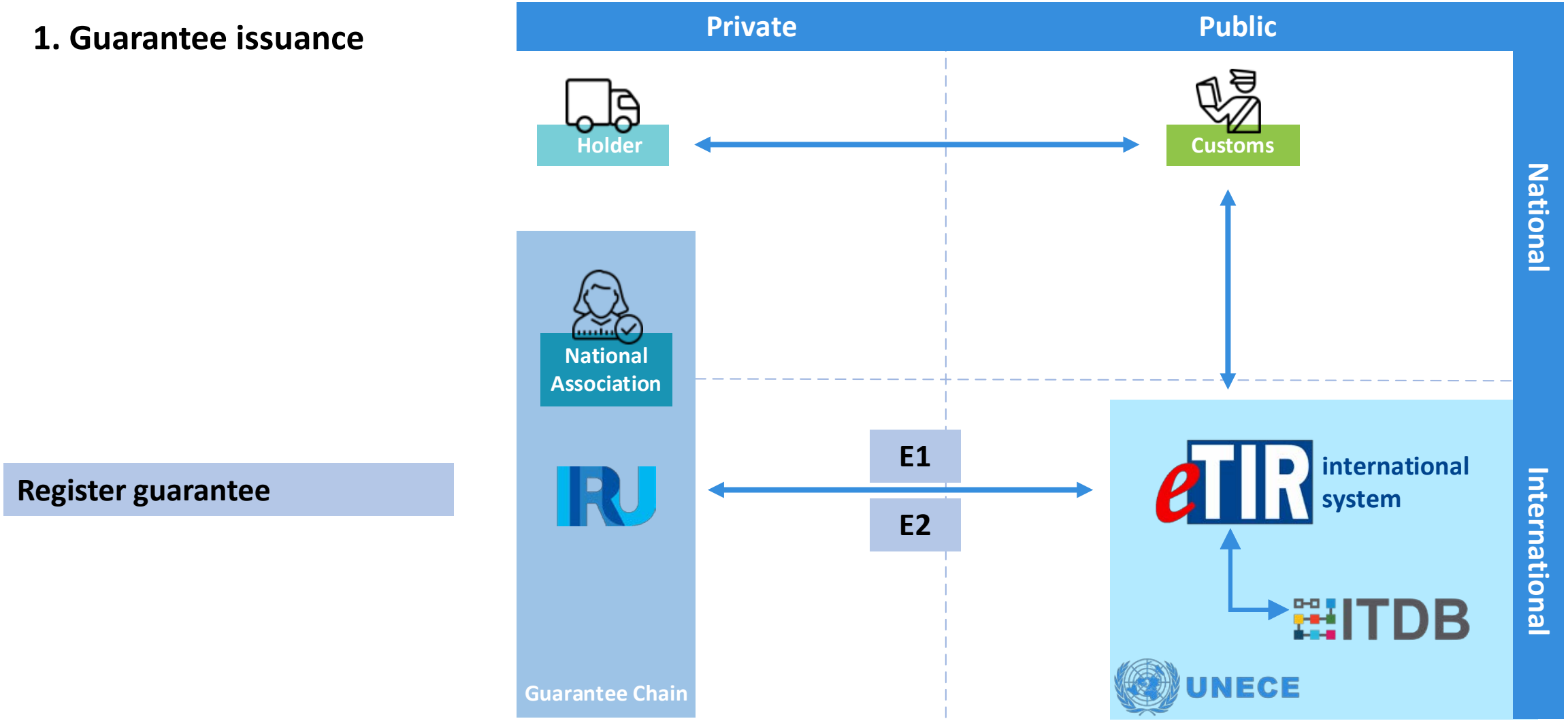
Acceptance of the amendments to the declaration

Amending the declaration data

Refusal to start a TIR operation

eTIR messages

1. Guarantee issuance

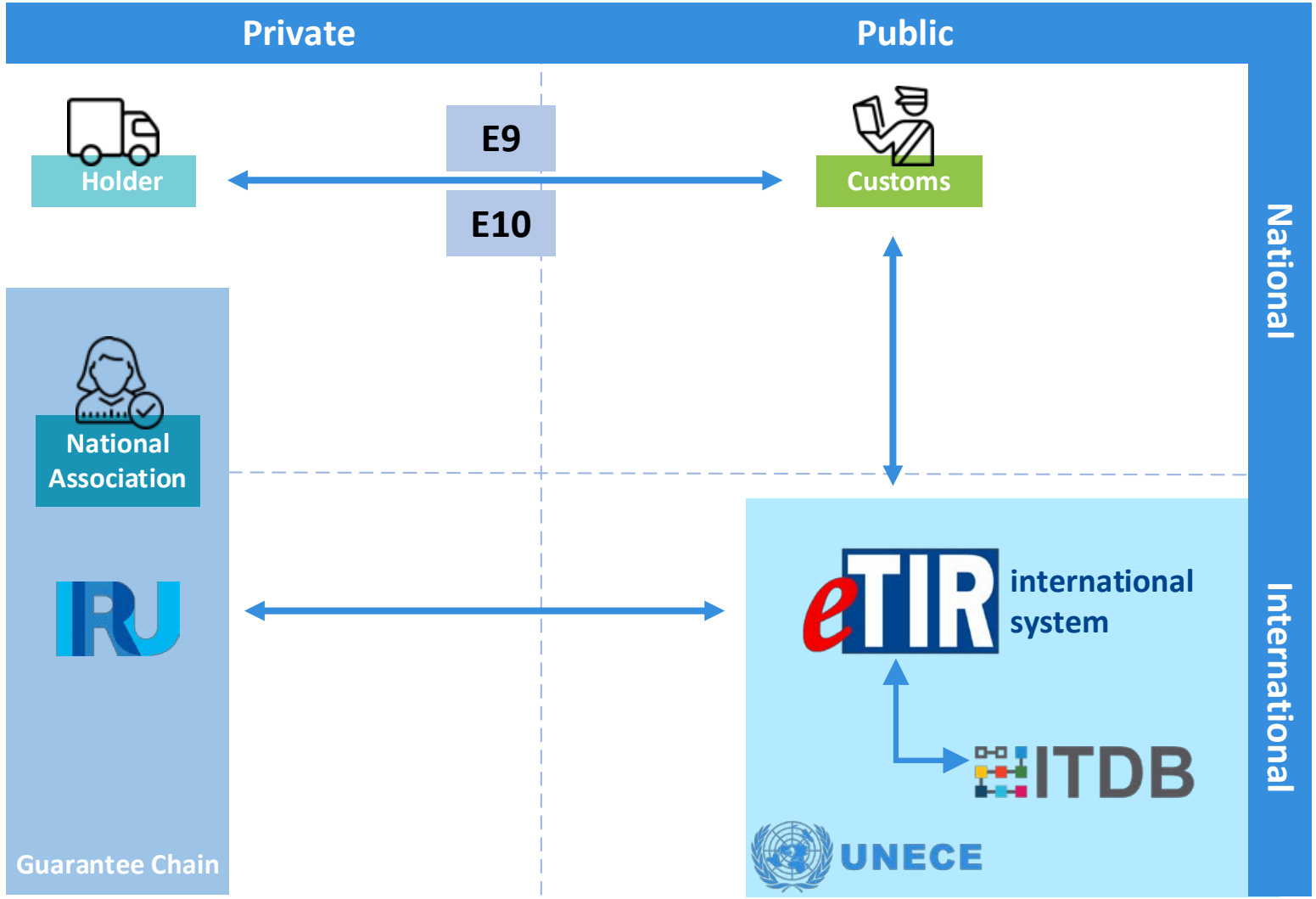


Register guarantee

eTIR messages

2. Submission of advance TIR data

Advance TIR data



eTIR messages

3. Acceptance of the declaration

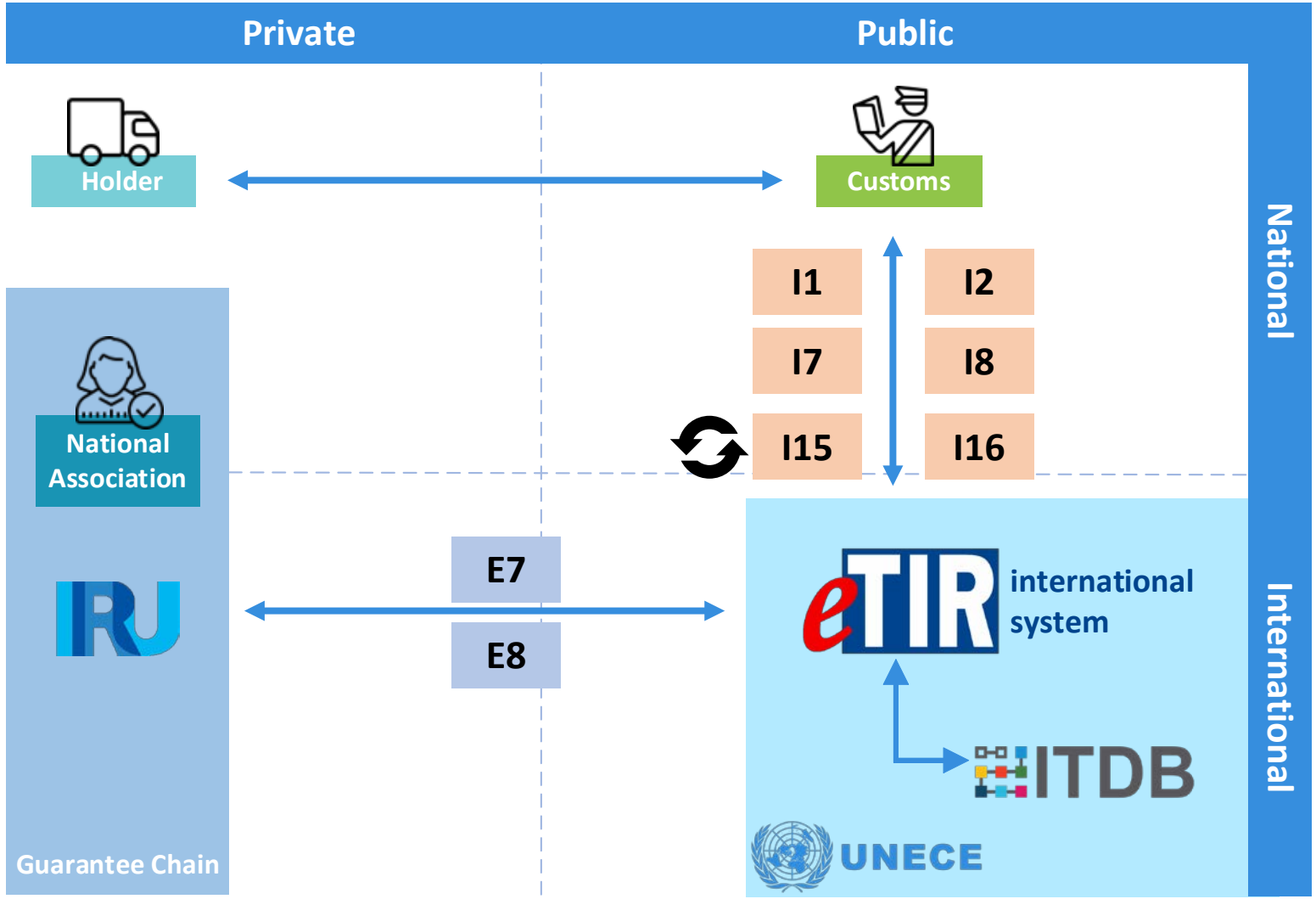
Accept guarantee

Record declaration data

Notify customs

(all countries along the itinerary)

Notify guarantee chain

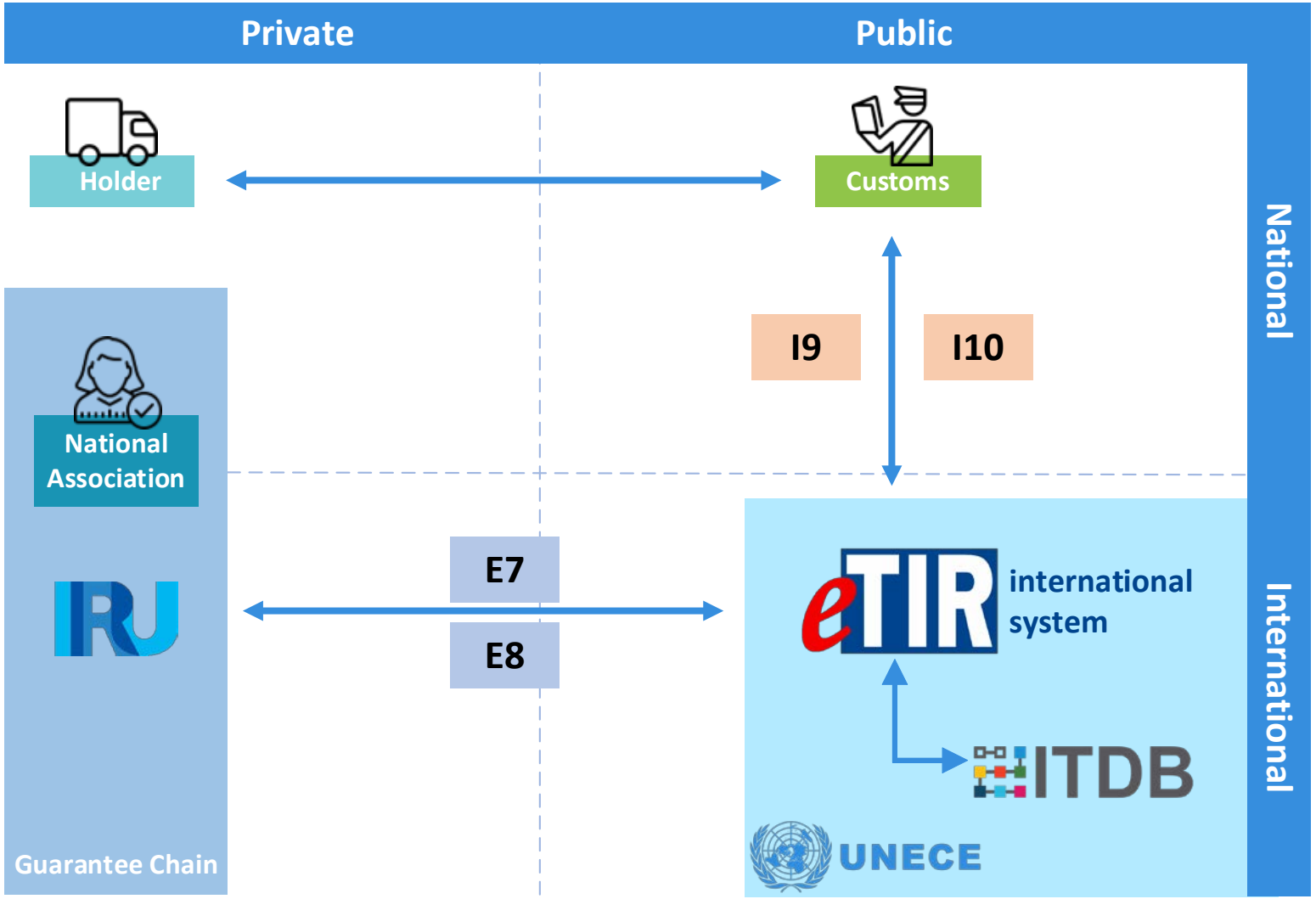


eTIR messages

4. Start a TIR operation

Start TIR operation

Notify guarantee chain

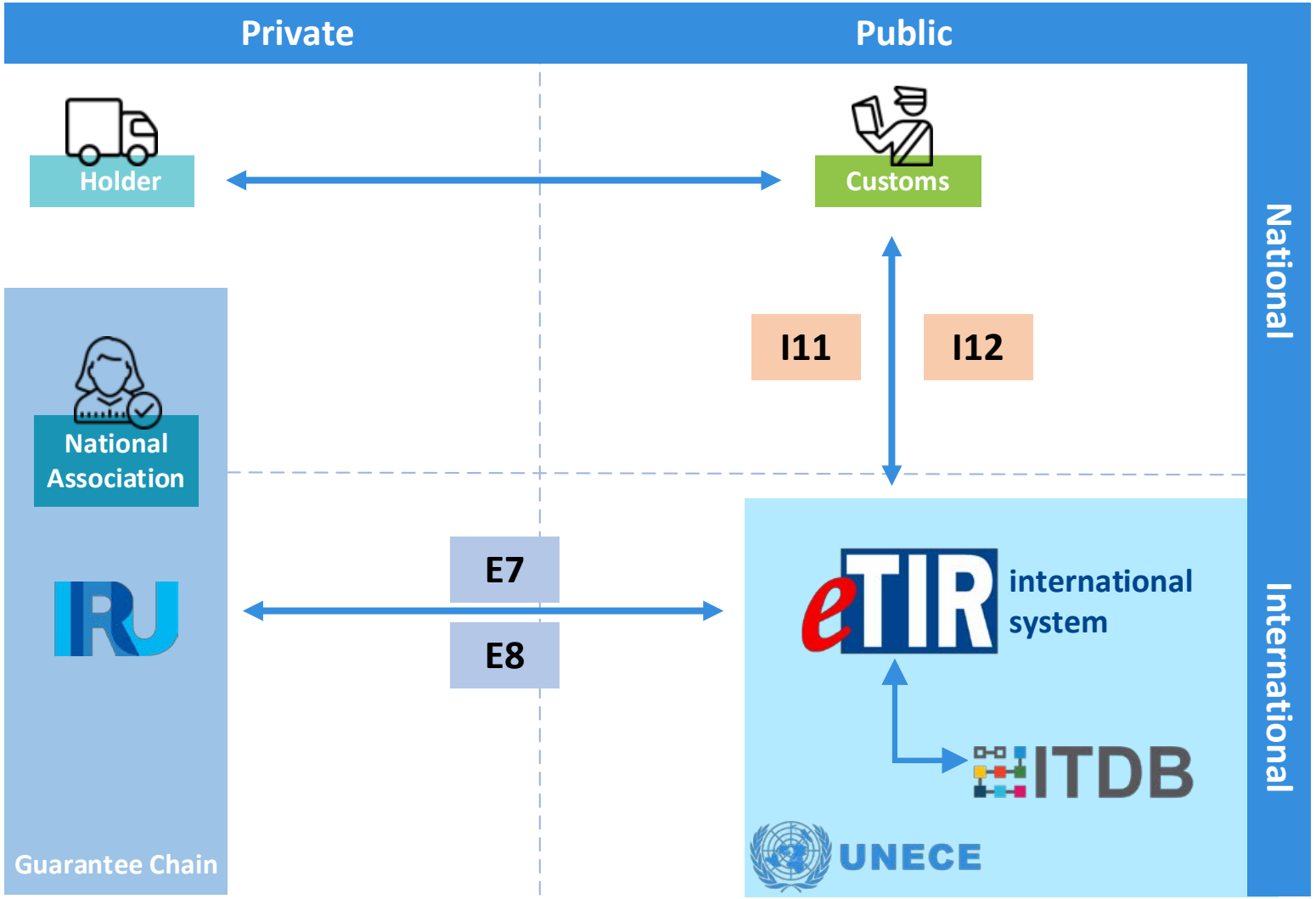


eTIR messages

5. Terminate a TIR operation

Terminate TIR operation

Notify guarantee chain

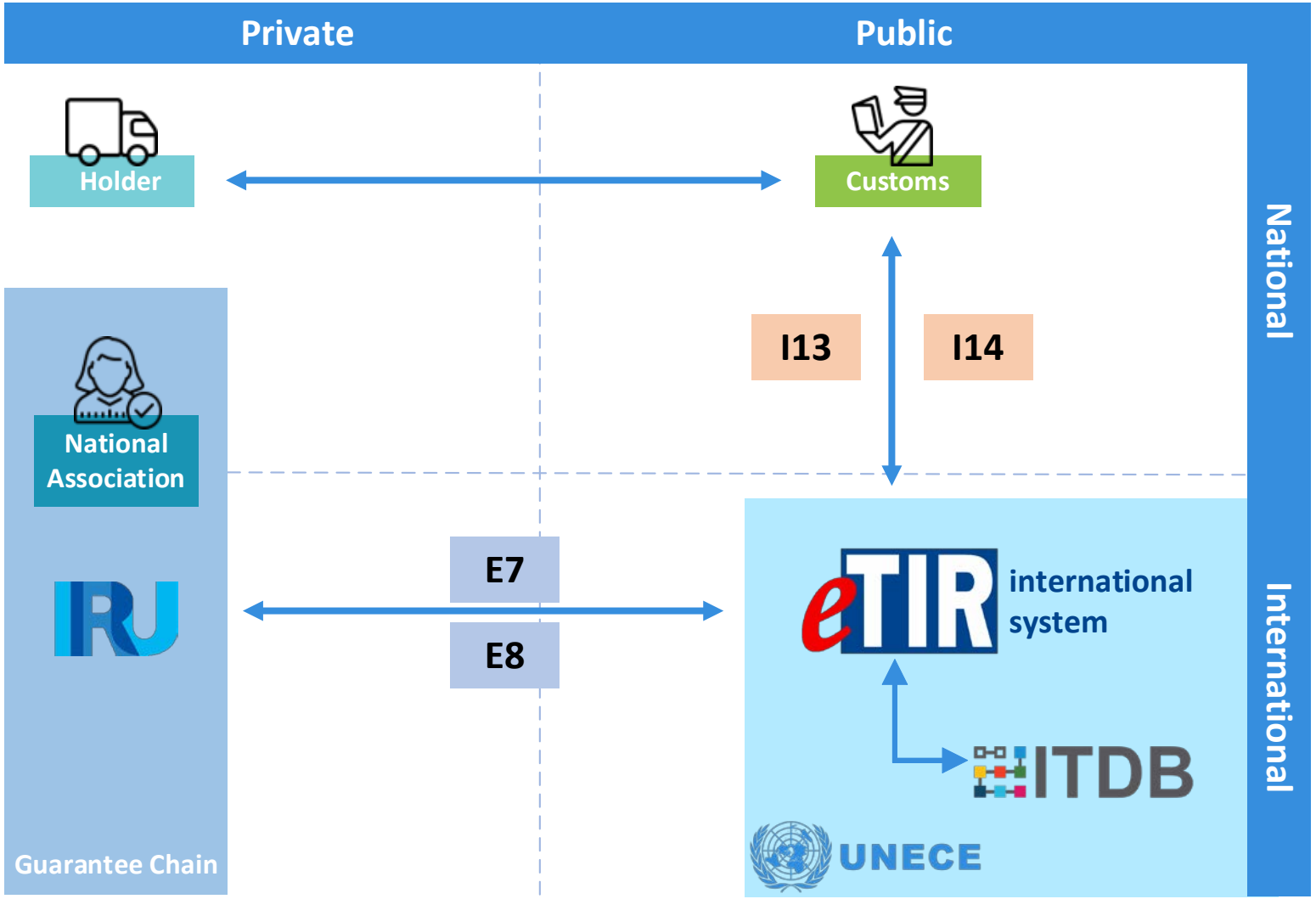


eTIR messages

6. Discharge a TIR operation

Discharge TIR operation

Notify guarantee chain

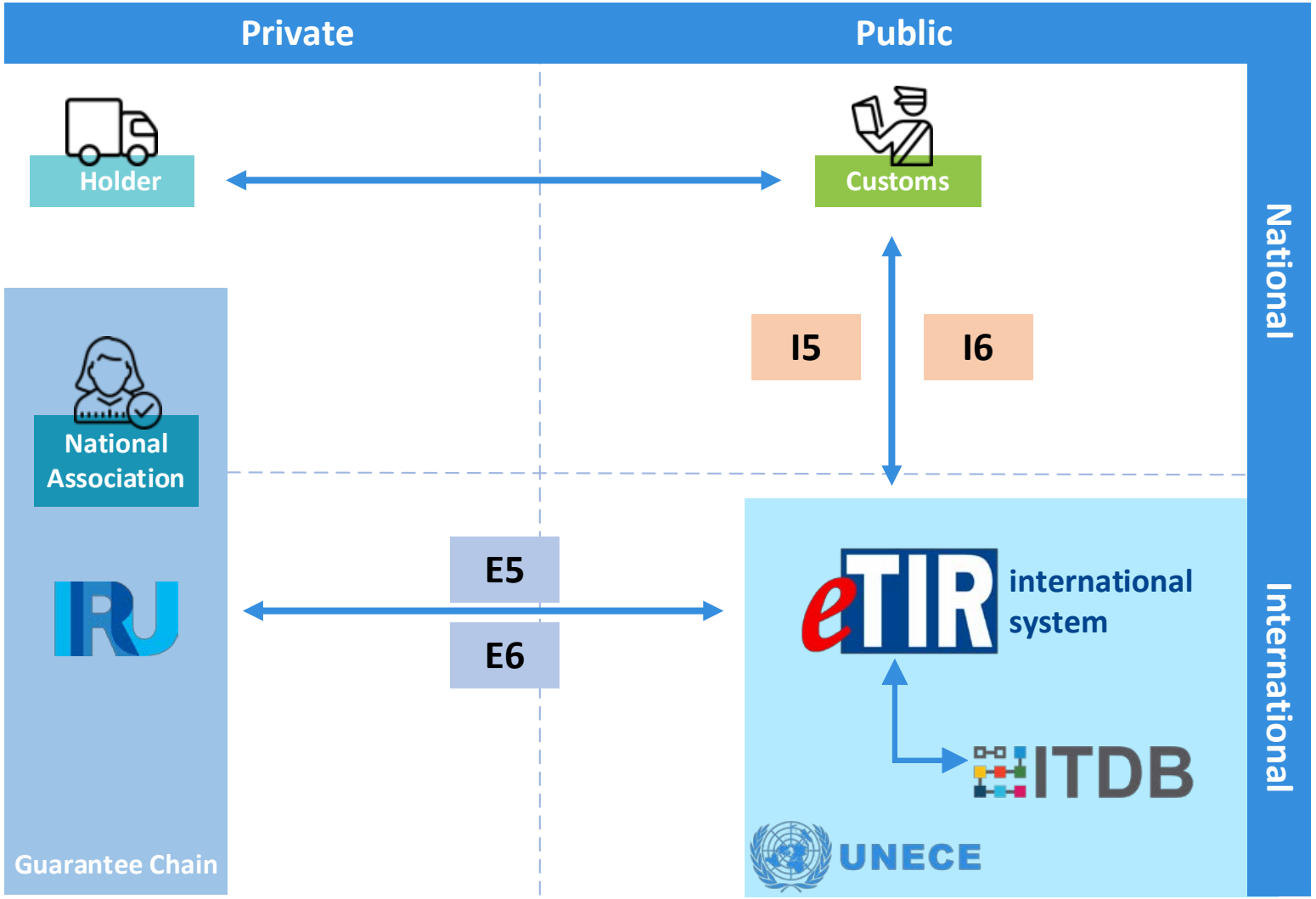


eTIR messages

Query the guarantee

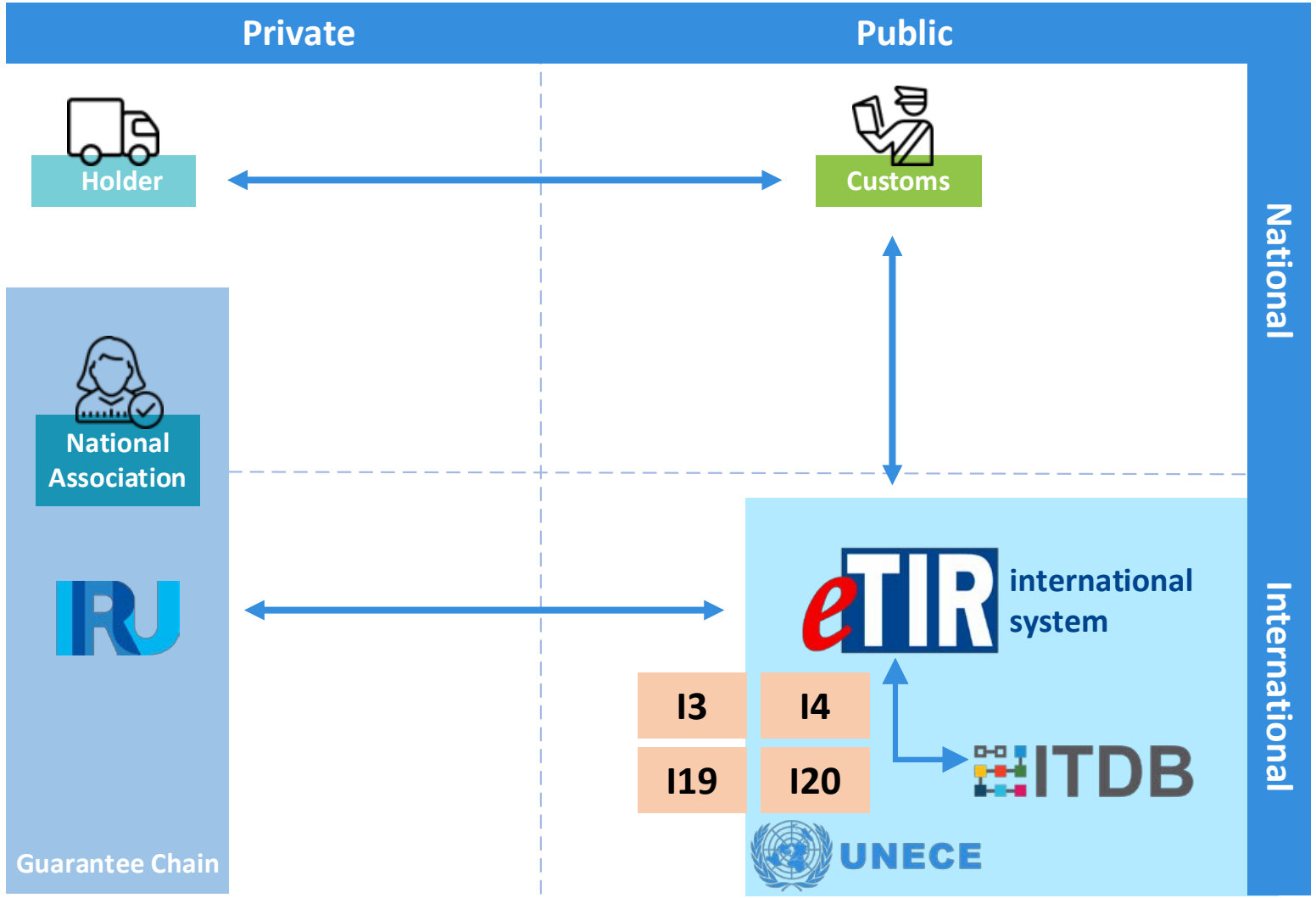
Query guarantee

Query guarantee



eTIR messages

Checks/validations in ITDB



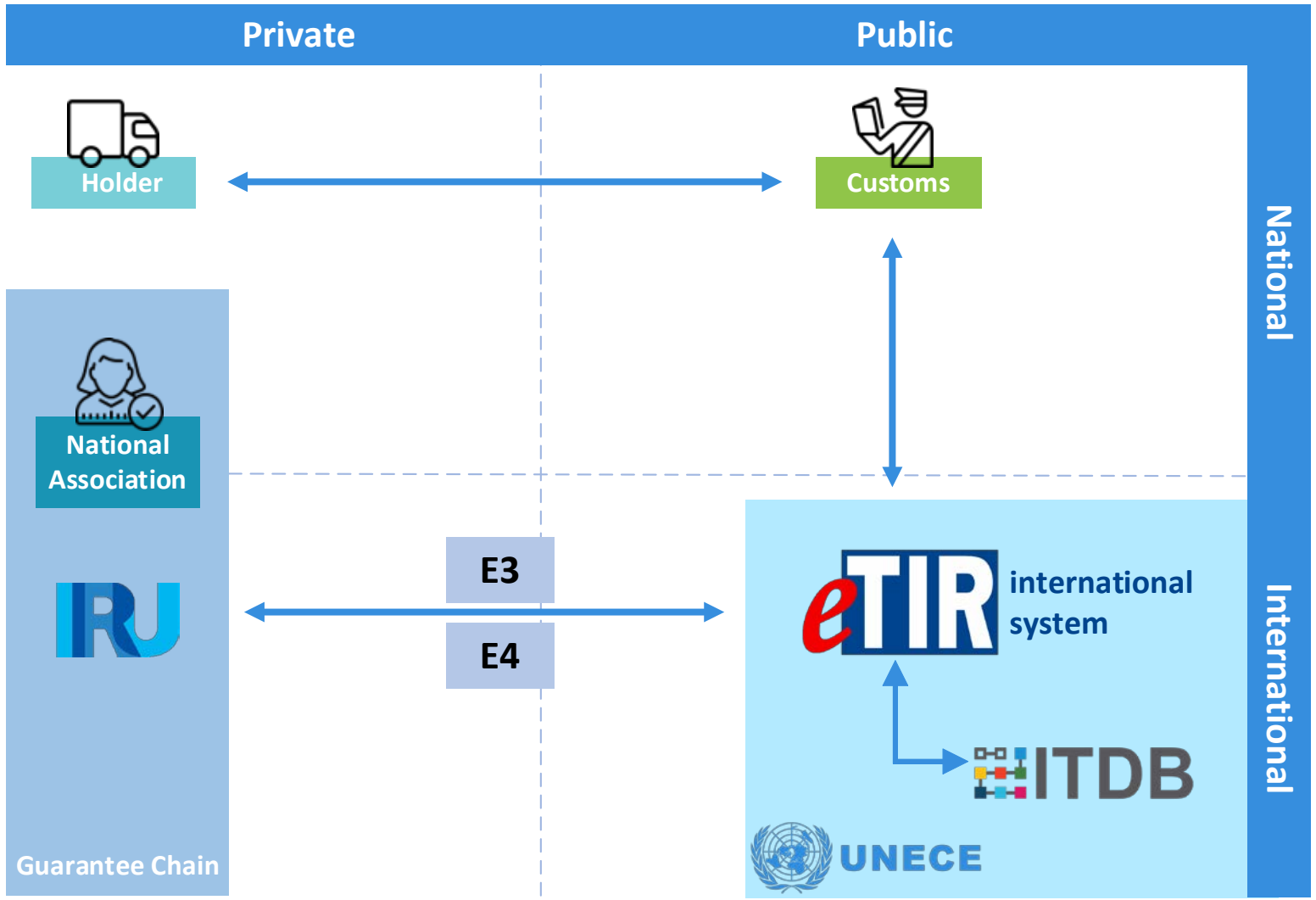
Get holder info

Check customs office

eTIR messages

Guarantee cancellation

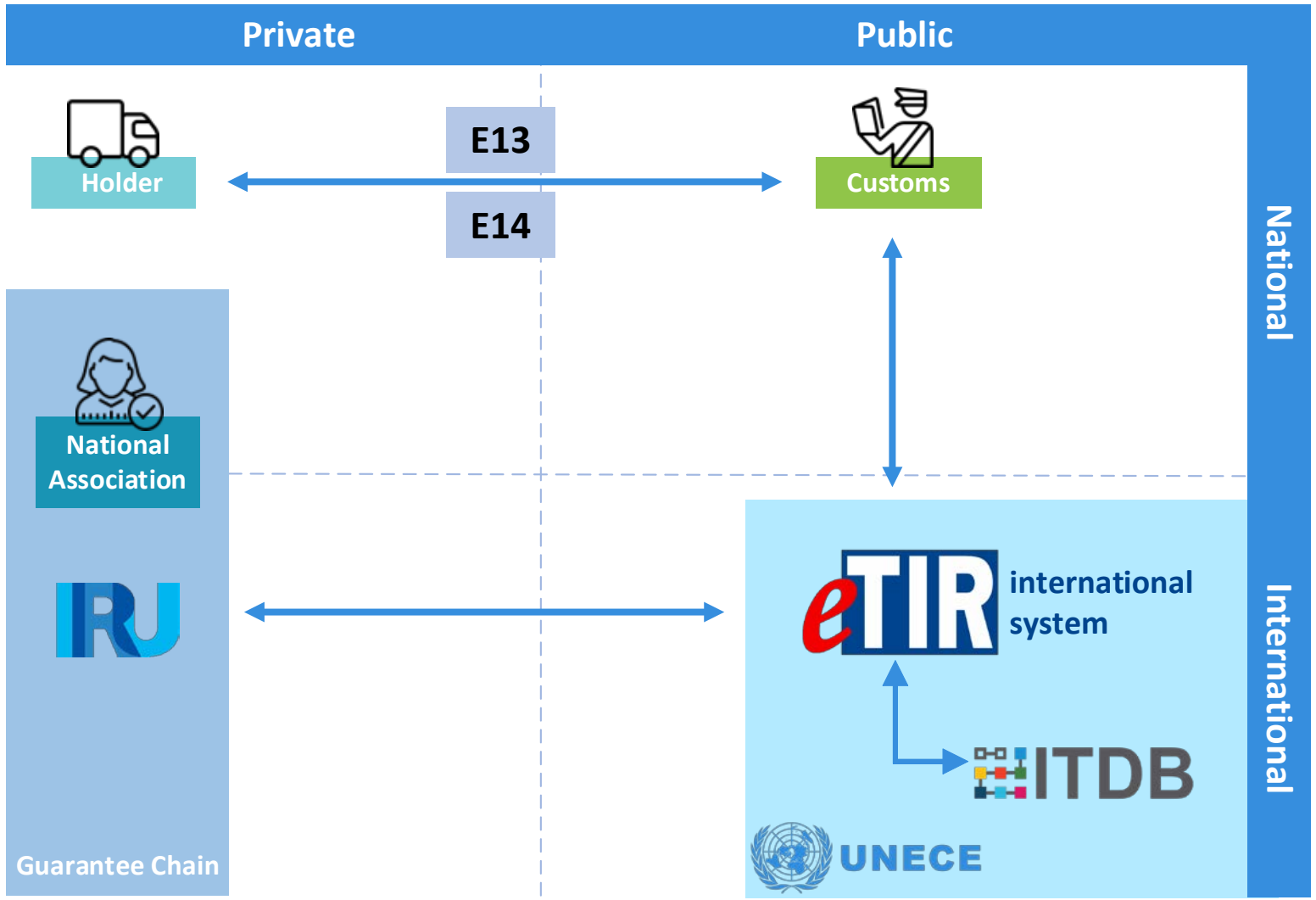
Cancel guarantee



eTIR messages

Cancellation of advance data

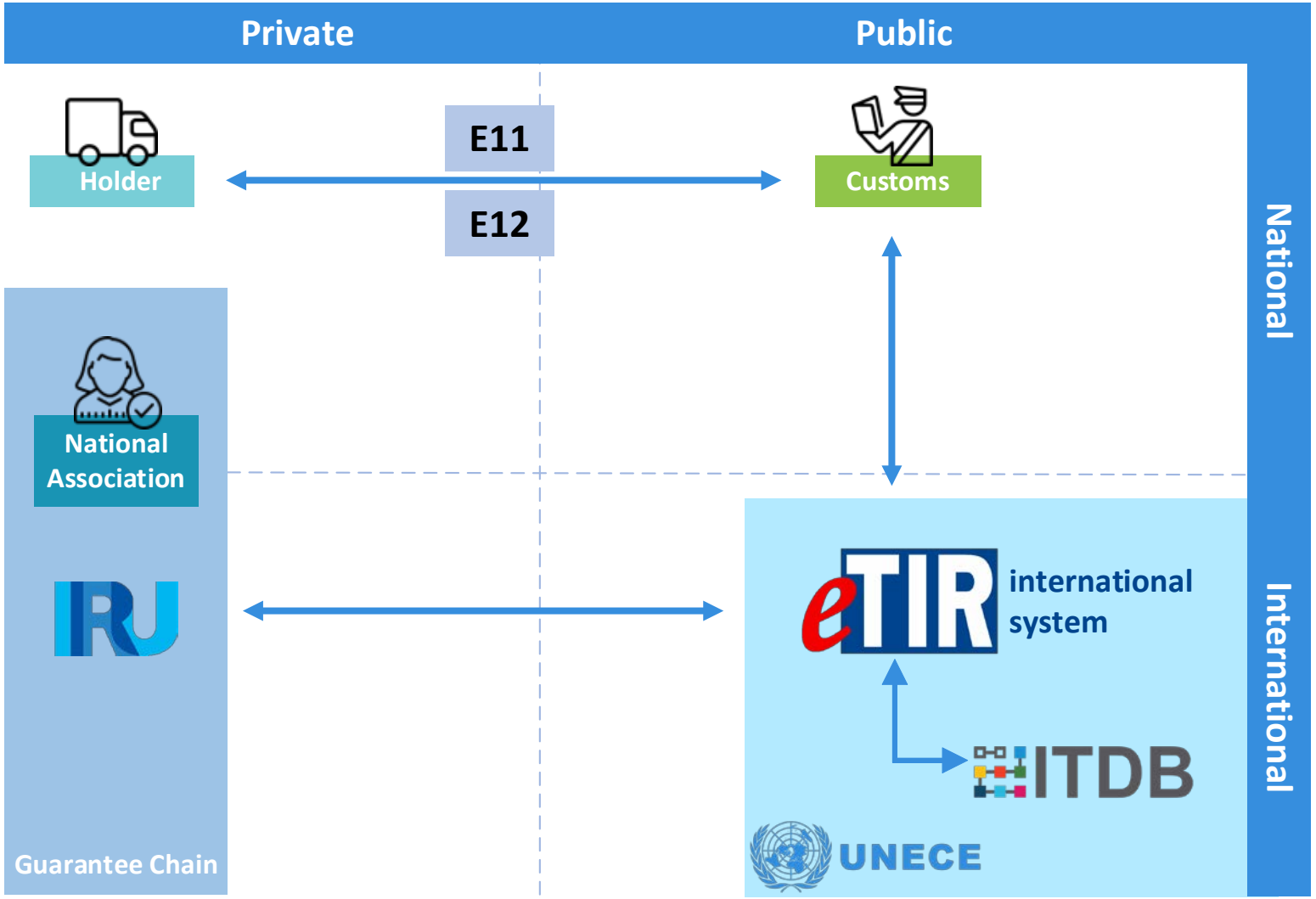
Cancel advance data



eTIR messages

Request changes to the declaration data
(e.g. change of itinerary, additional loading, ..)

Advance amendment data



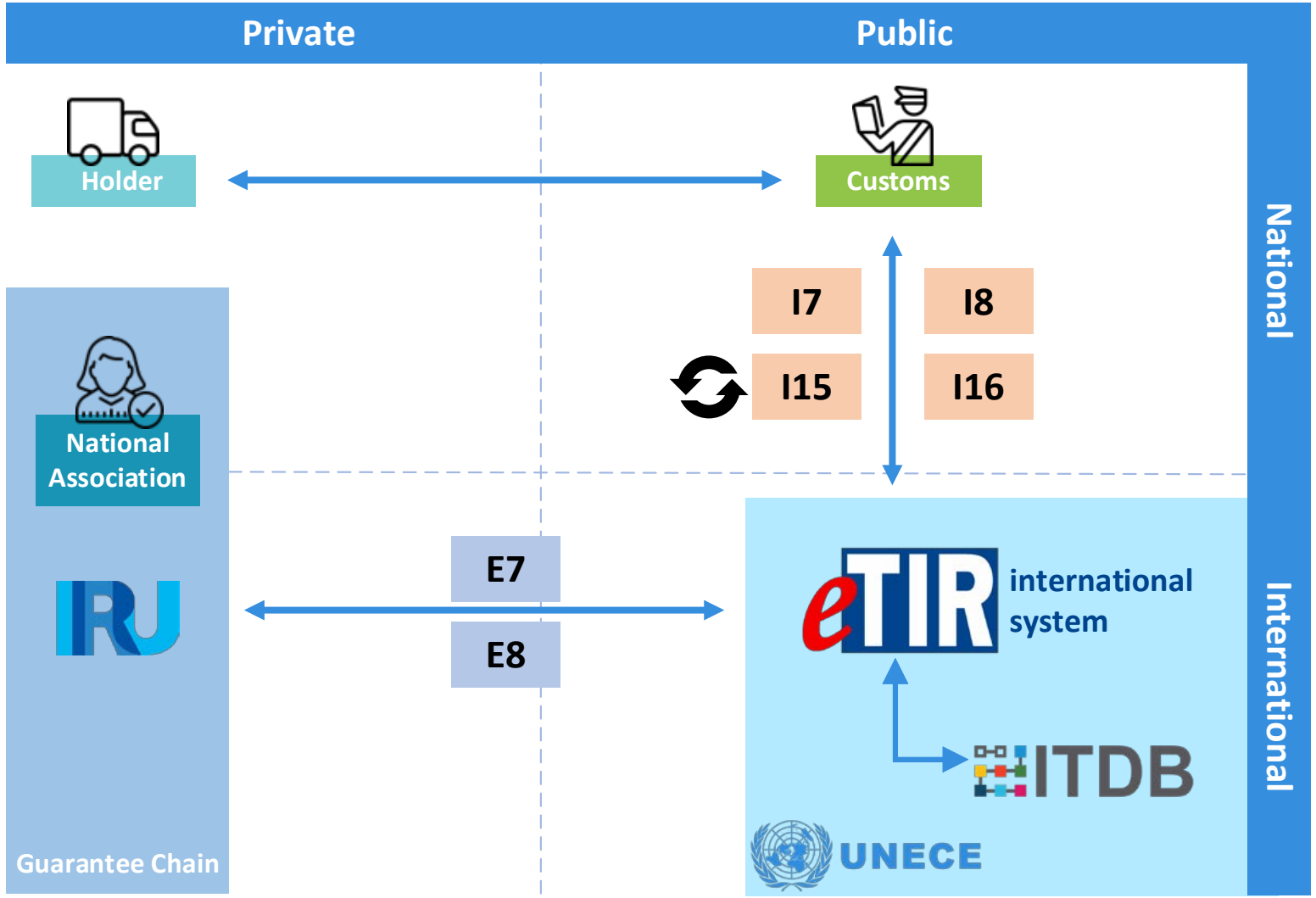
eTIR messages

Acceptance of the amendments to the declaration

Record declaration data

Notify customs
(all countries along the itinerary)

Notify guarantee chain

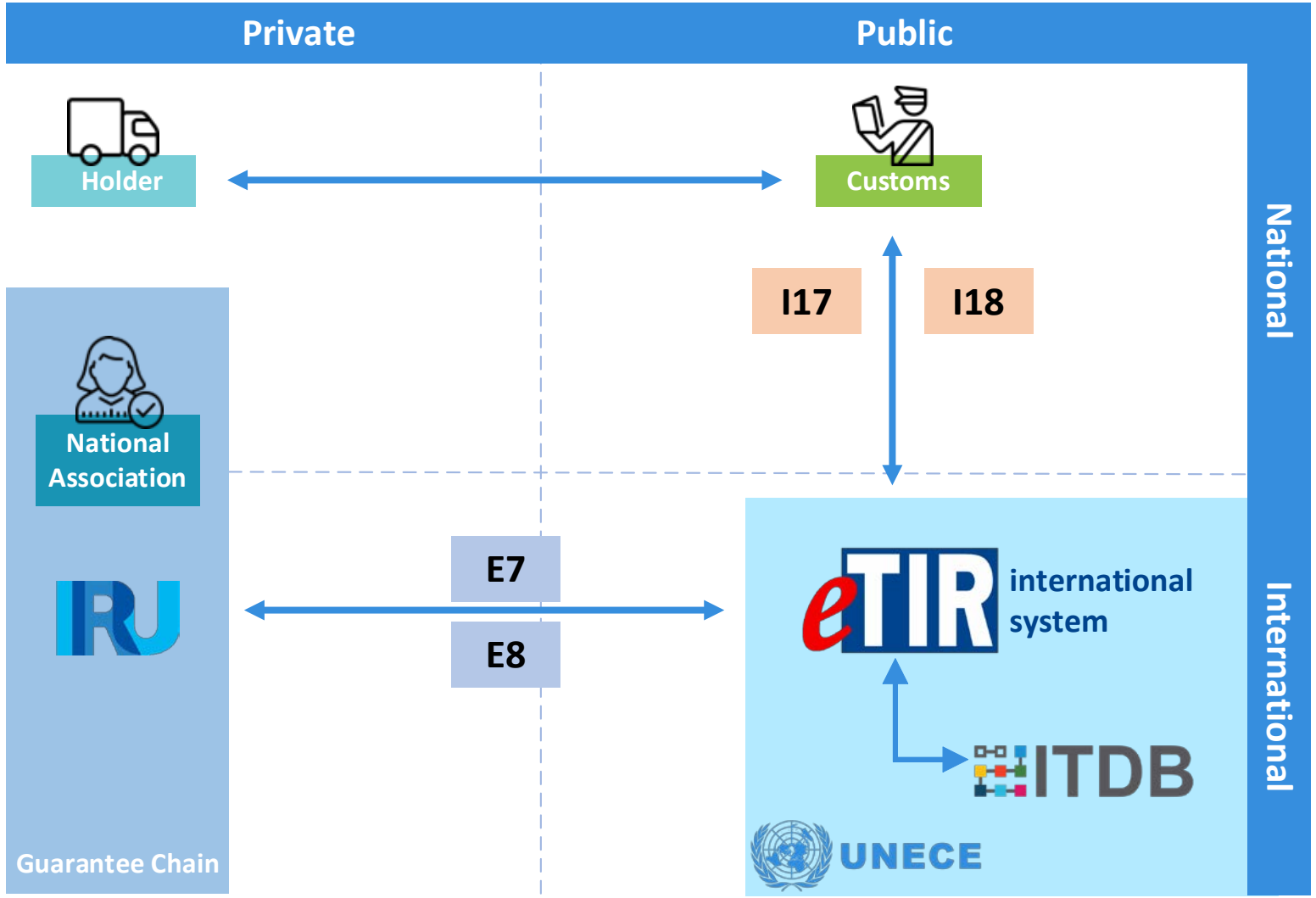


eTIR messages

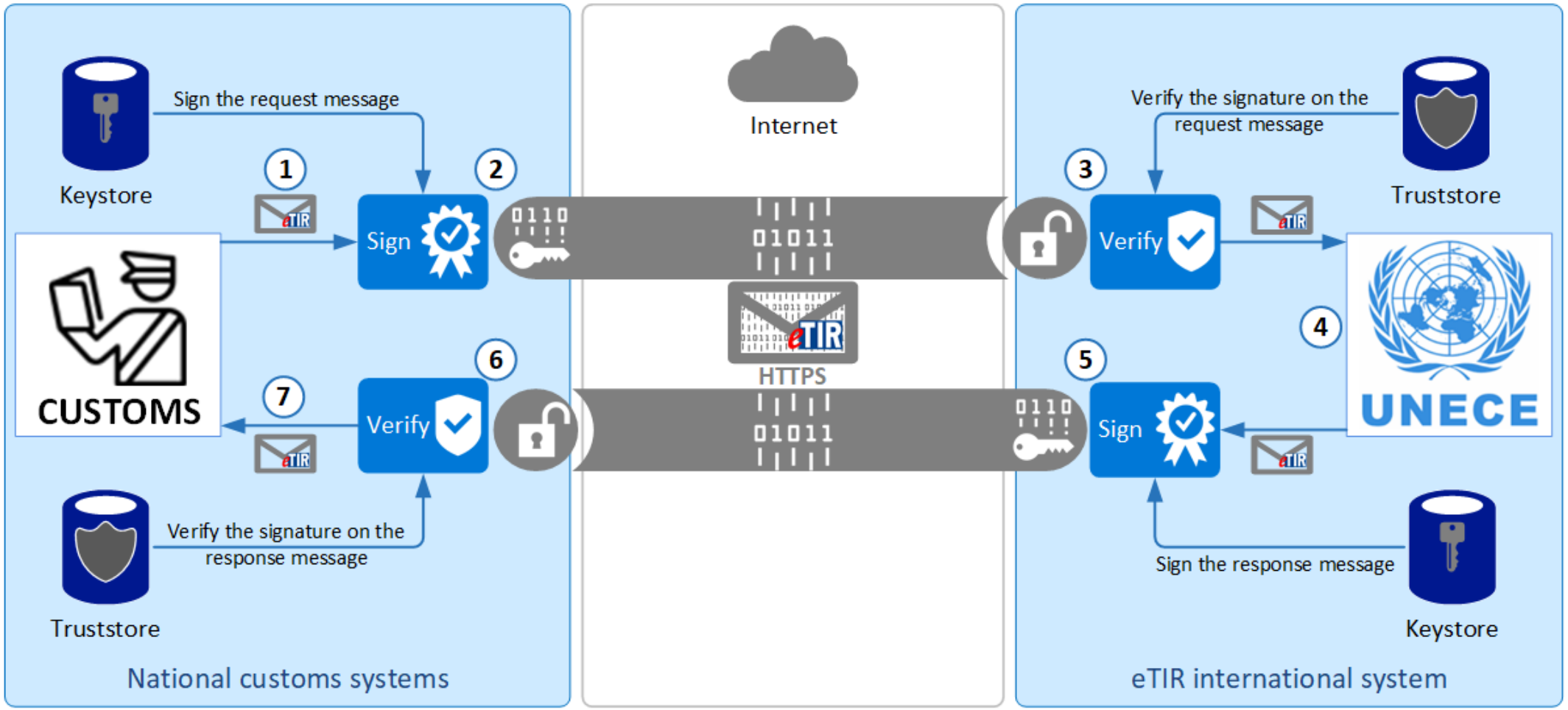
Refusal to start a TIR operation

Refusal to start a TIR operation

Notify guarantee chain



eTIR security model



Progress status

- The eTIR specifications
  - Version 4.3 should be completed and approved in 2021 by the WP.30/GE.1 and the AC.2
- The eTIR international system
  - To be completed in March 2021 based on the current version of the the eTIR specifications
  - To be finalized when the eTIR specifications v4.3 are approved
- The technical documentation (14 guides)
  - Needed for the interconnection projects
  - To be completed in March 2021
  - To be finalized when the eTIR specifications v4.3 are approved

Interconnection projects – Launch

- On 7 April 2020, ECE invited the contracting parties to connect to eTIR
- 15 countries expressed their interest so far:

Armenia	Israel	Qatar
Azerbaijan	Lebanon	Republic of Moldova
Georgia	Montenegro	Tunisia
India	Morocco	Turkey
Iran (Islamic Republic of)	Pakistan	Ukraine

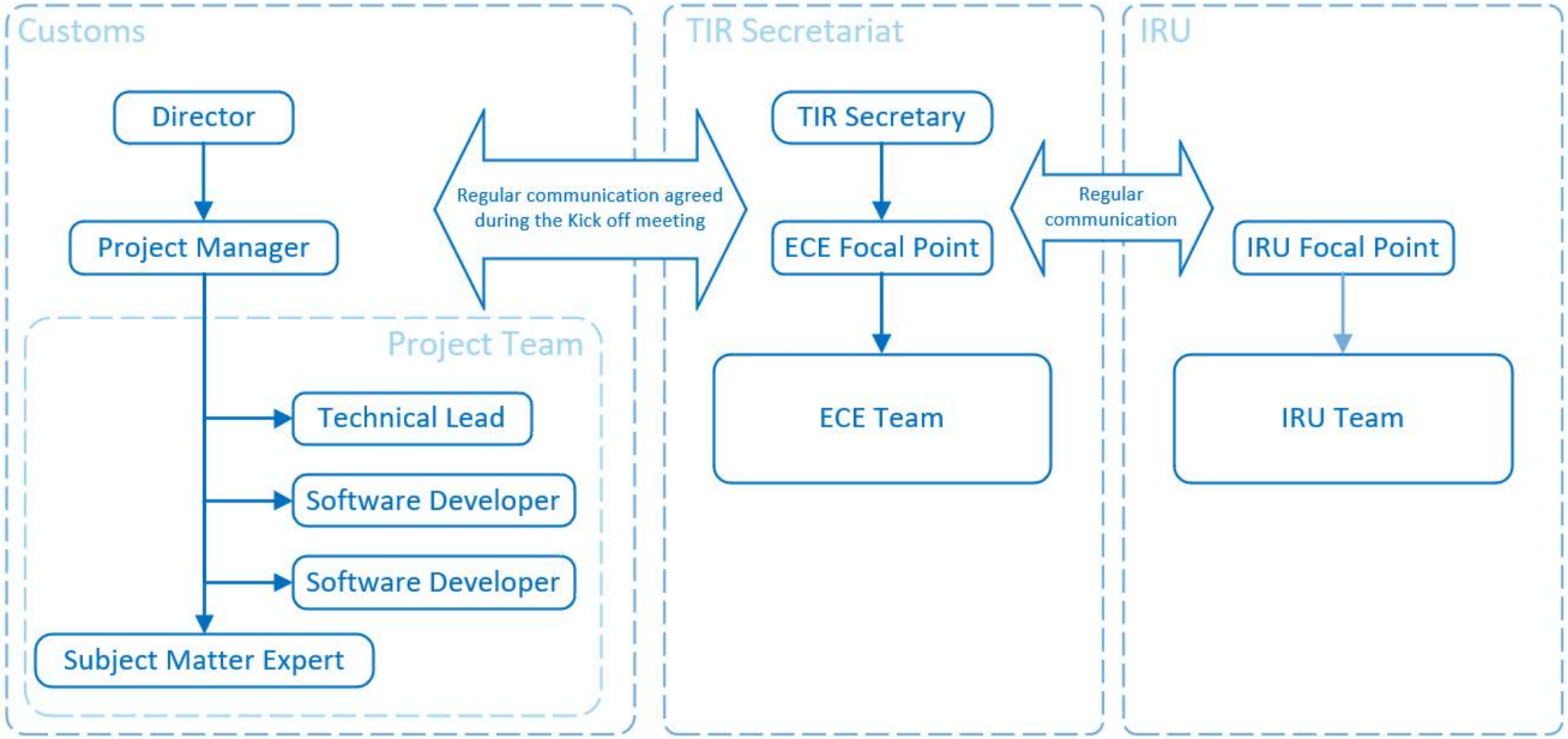
- ECE and the European Commission (27 countries) are working on a Proof of Concept for interconnectioning NCTS with the eTIR international system

Interconnection projects – Guidelines

- Full guidelines on the steps to follow in the context of the Interconnection projects

- Available on the **eTIR documentation portal**: https://wiki.unece.org/display/ED/

Interconnection projects – Teams



Interconnection projects

- Stages of the Interconnection projects:

- Interconnection projects have started with 5 countries:
  - **Azerbaijan**: Implementation stage
  - **Georgia**: Implementation stage
  - **Iran (Islamic Republic of)**: Project initiation stage
  - **Tunisia**: Design stage
  - **Turkey**: Implementation stage
- Three more contracting parties will start soon:
  - **Morrocco**
  - **Republic of Moldova**
  - **Pakistan**

Thank you!

More information on eTIR here:

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