At its seventy-sixth session, the Inland Transport Committee (ITC) urged TIR Contracting Parties to accelerate efforts to complete and launch the eTIR Project (ECE/TRANS/240).

As a possible way forward, UNECE and IRU propose a joint pilot, which makes use of the already computerized elements of the TIR system (both at customs and the private sector), while, at the same time, fully respecting the long term eTIR vision (ECE/TRANS/WP.30/2014/9).
Pilot project objectives

To conduct, in the short term, a paper-less TIR procedure between two pilot countries, on the basis of investments already made and at minimal costs.

To make the first (simplified but yet realistic) step towards the implementation of a fully functional eTIR system, as described in the eTIR Reference Model.
Engagement of two TIR Contracting Parties, which dispose of a computerized national customs system and which are already connected to the Real-Time SafeTIR (RTS) and TIR Electronic Pre Declaration (EPD) systems of IRU.

IRU central databases, used for RTS and EPD, will act as repositories for the electronic exchange of TIR operation related data between customs (C2C) and for the data on TIR guarantees.

Data will automatically be replicated in a UNECE managed database, representing a minimalistic version of the future eTIR international system.
eTIR pilot high-level architecture
## Transition towards the full eTIR

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<tr>
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<th>Pilot</th>
<th>Progressive transition</th>
<th>Full eTIR</th>
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eTIR longer-term high-level architecture
THE LANDSCAPE
eTIR GUARANTEE ISSUANCE
John has just been requested to perform a new hauling service for one of his clients.

**Itinerary:**
Starting in country A and finishing in country B.
But John has no TIR electronic guarantee available at the moment.

So John decides to order a new TIR electronic guarantee.
The association opens the order, checks the detailed information about John and issues to him a TIR electronic guarantee.
Activities

John receives an issuance note confirming the availability of his TIR electronic guarantee.
eTIR TRANSPORT
John is now ready to make his EPD and will have to enter all countries specific data.
The IRU system will send John’s EPD to the central customs of countries A and B.
All central customs approve John’s EPD (in their national customs systems). John receives customs’ references and print his TIR electronic guarantee ref. number/barcode.
TIR electronic guarantee reference (example)
John’s truck arrives at the customs office of departure (in country A) and he shows his TIR electronic guarantee ref. number/barcode.
The customs officer logs in to his customs system...

And checks the TIR electronic guarantee information

TIR guarantee data
- TIR holder information
- TIR electronic guarantee details (validity, status, etc.)
Customs office of departure: Country A

**Activities**

- Controls the goods
- Checks accompanying documents
  - Seals the cargo
  - Updates the system and releases the truck for transit

**Messages**

**Release for transit**
- Cargo information
- Equipment information
- Seals information

`National Customs Application`
John’s truck arrives at the customs office of exit (en route) in country A and he shows his TIR electronic guarantee ref. number/barcode.
Customs office of exit: Country A

Activities

- Checks the TIR operation data
- Checks the seal(s) on the load compartment
  - Updates the system and confirms the exit of country A

Messages

Exit notification

National Customs Application
After the truck has left country A, the central customs services reconcile information from the customs offices of departure and exit (en route) and send a discharge message.
John’s truck arrives at the customs office of entry (en route) in country B and he shows his TIR electronic guarantee ref. number/barcode.
1. TIR transport data
   • TIR holder information
   • TIR electronic guarantee details (validity, status, etc.)
   • Cargo information
   • Equipment information
   • Seals information
   • Journey history

2. Release for transit
   • Cargo information
   • Equipment information
   • Seals information

Activities

Checks the TIR electronic guarantee and information about the previous TIR operation

Checks the accompanying documents

Checks the seal(s) on the load compartment

• Updates the system and confirms the entry in country B

Messages

1. TIR transport data
   AMENDED
   • TIR holder information
   • TIR electronic guarantee details (validity, status, etc.)
   • Cargo information
   • Equipment information
   • Seals information
   • Journey history

2. Release for transit
   AMENDED
   • Cargo information
   • Equipment information
   • Seals information

National Customs Application

ITDB

IRU
John’s truck arrives at the customs office of termination in country B and he shows his TIR electronic guarantee ref. number/barcode.
Customs office of termination: Country B

Activities

- Checks the TIR operation data
  - Removes the seal(s) on the load compartment
- Controls the goods and updates the system

Messages

Final termination (SafeTIR)
After the truck has reached the customs office of termination in country B, the central customs services reconcile information from the customs offices of entry (en route) and termination and send a discharge message.
CONTROLS, AUDIT AND CLAIMS
Associations log in to the Association Portal to get access to real time information about the level of risk for all TIR electronic guarantees they have issued. They can quickly view current issues as well as the ratio of issues (past and/or present) per TIR holder.

Once having selected a TIR electronic guarantee, associations have a visual dashboard of all messages sent during the journey (or missing).
Activities

Customs log in to the Customs Portal and go to the Irregularities control page. They have access to real time information about potential irregularities concerning all TIR electronic guarantees used in their country. They can also quickly view/track their pre-notifications, notifications and payment requests.
At any time, customs can retrieve TIR data from the IRU and UNECE systems, e.g. for claims or audit purposes.