



UNECE-IRU eTIR Pilot Project

Informal Ad hoc Expert Group on Conceptual
and Technical Aspects of Computerization of
the TIR Procedure – 24th session
25 - 26 September 2014

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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.

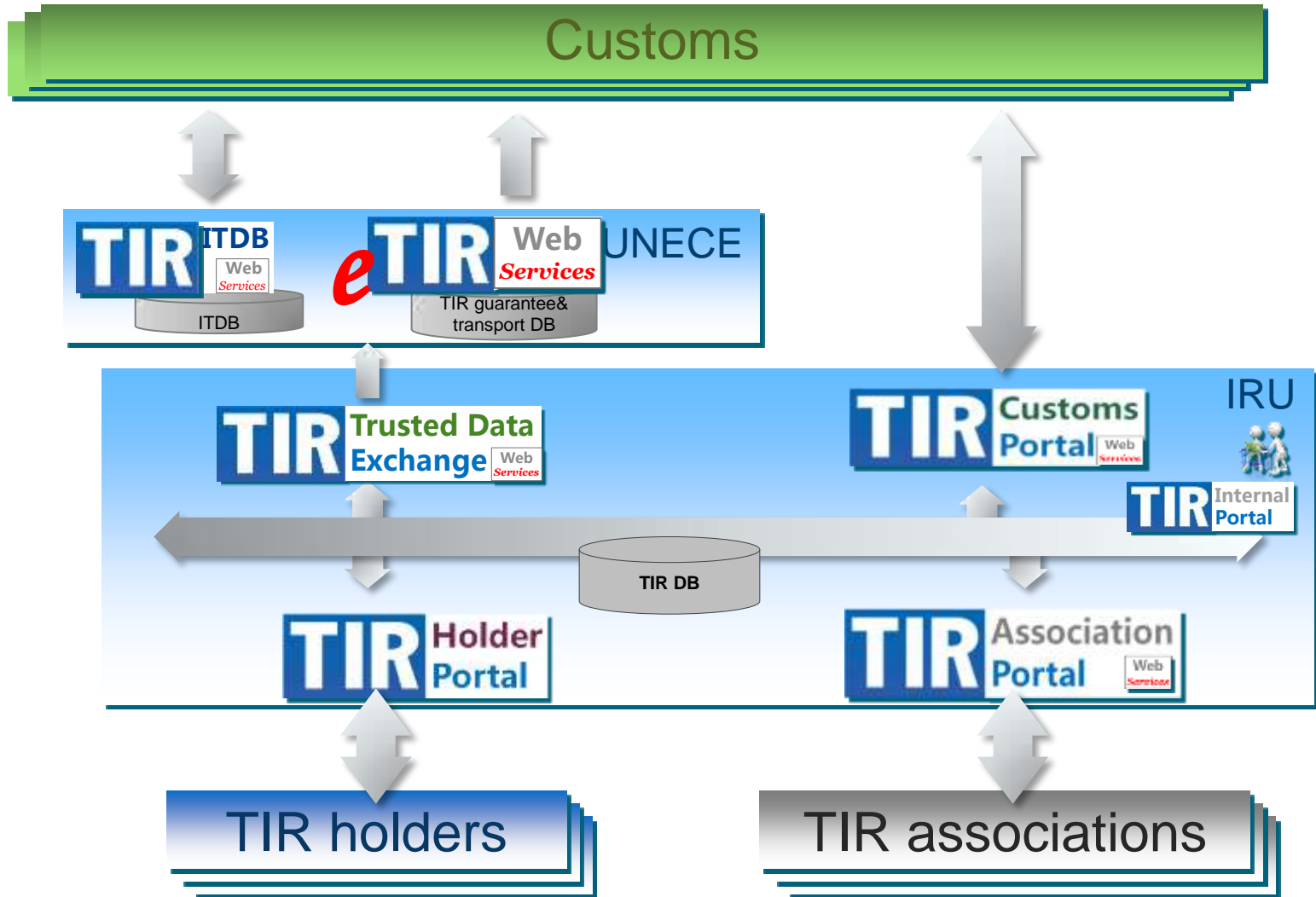


Engagement of two TIR Contracting Parties, which dispose of a computerized national customs system and which are already connected to the Real-Time SafeTIR (RTS) and TIR Electronic Pre Declaration (EPD) systems of IRU.



















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.

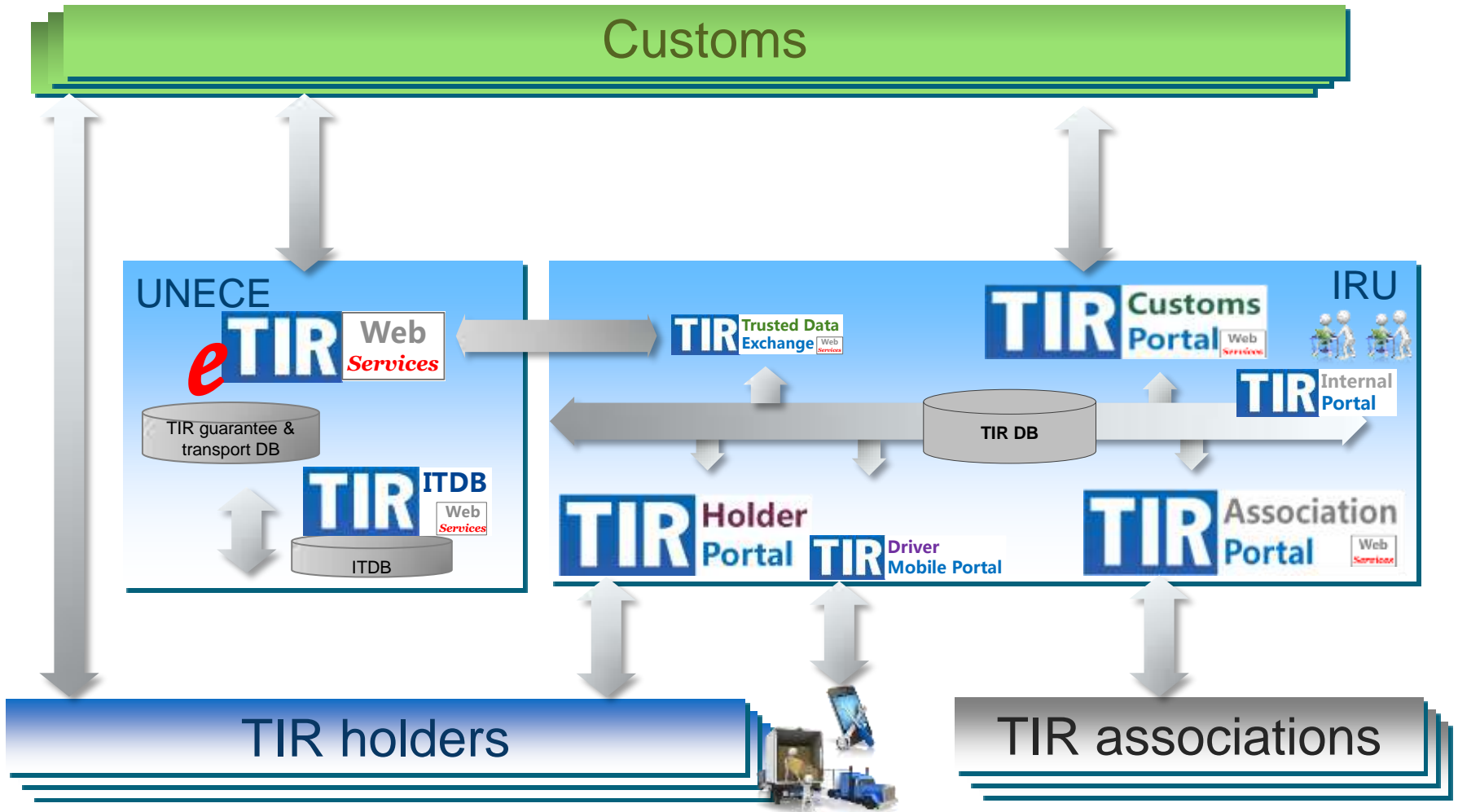
Data will automatically be replicated in a UNECE managed database, representing a minimalistic version of the future eTIR international system.

eTIR pilot high-level architecture

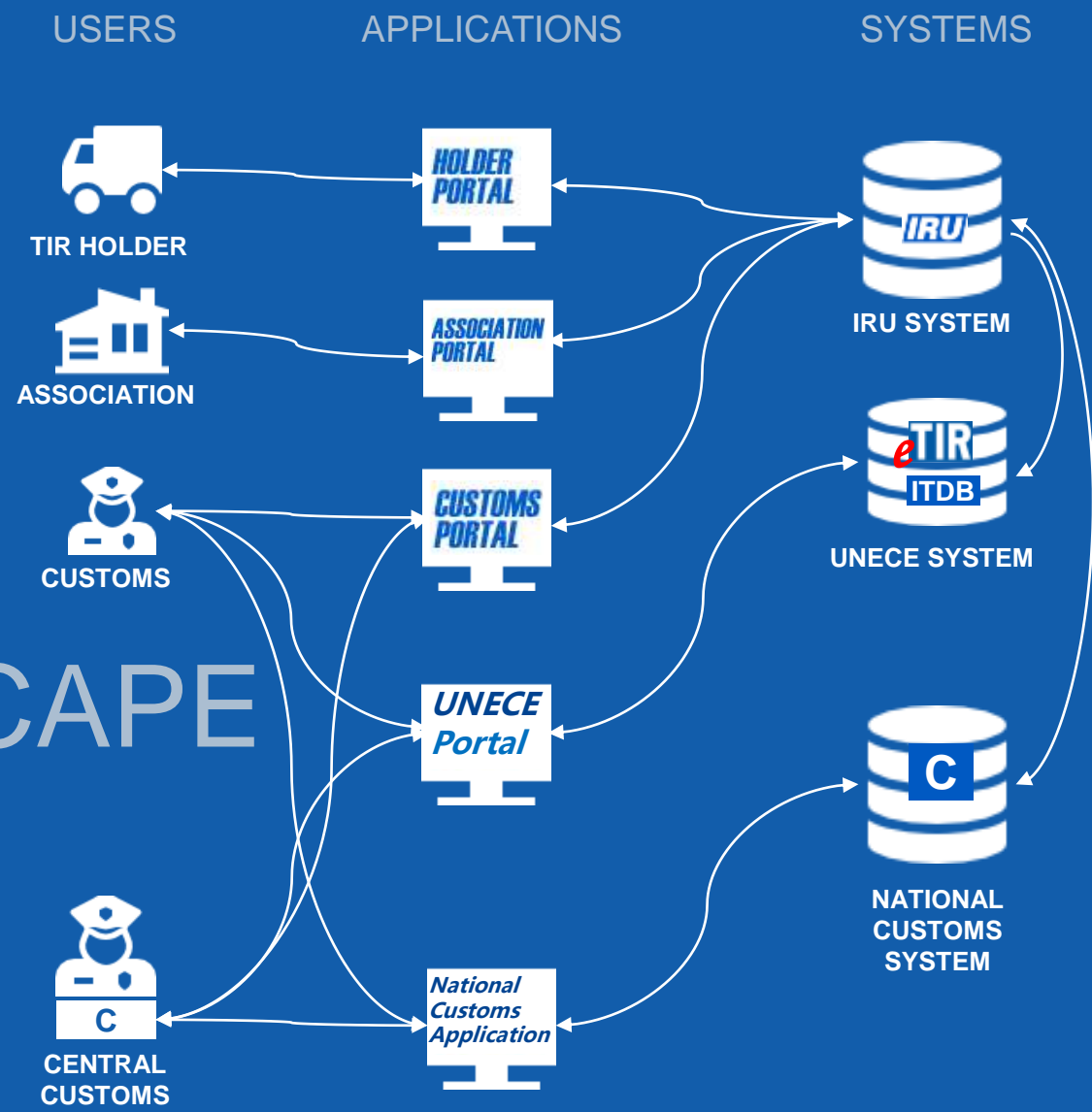


Transition towards the full eTIR

	Pilot		Progressive transition				Full eTIR
	Step 1	Step 2	Step 3	Step 4	Step 5	...	
# of countries	2	2	2	2	2	Progressive geographical expansion	All
# of customs offices	4	All	All	All	All		All
# of operators	2	All	All	All	All		All
Max # of loading and unloading	2	4	4	4	4		4 (maybe more)
eTIR message standard	 partial	 partial					
Use of any declaration mechanism	 EPD only	 EPD only	 EPD only				
Fully functional eTIR international system	 light	 light	 light	 light			
Schedule (months)	3	6	3	6	3		



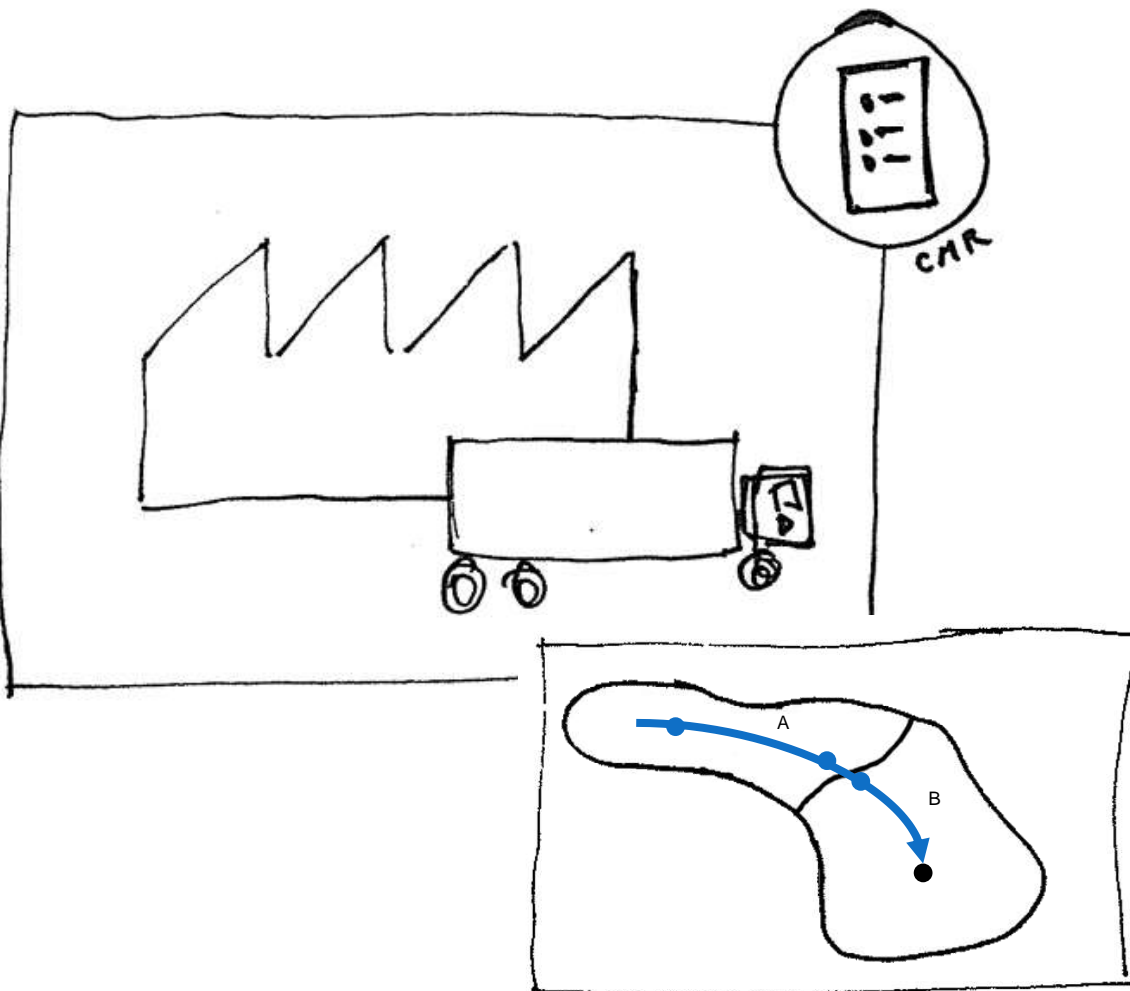
THE LANDSCAPE





eTIR GUARANTEE ISSUANCE



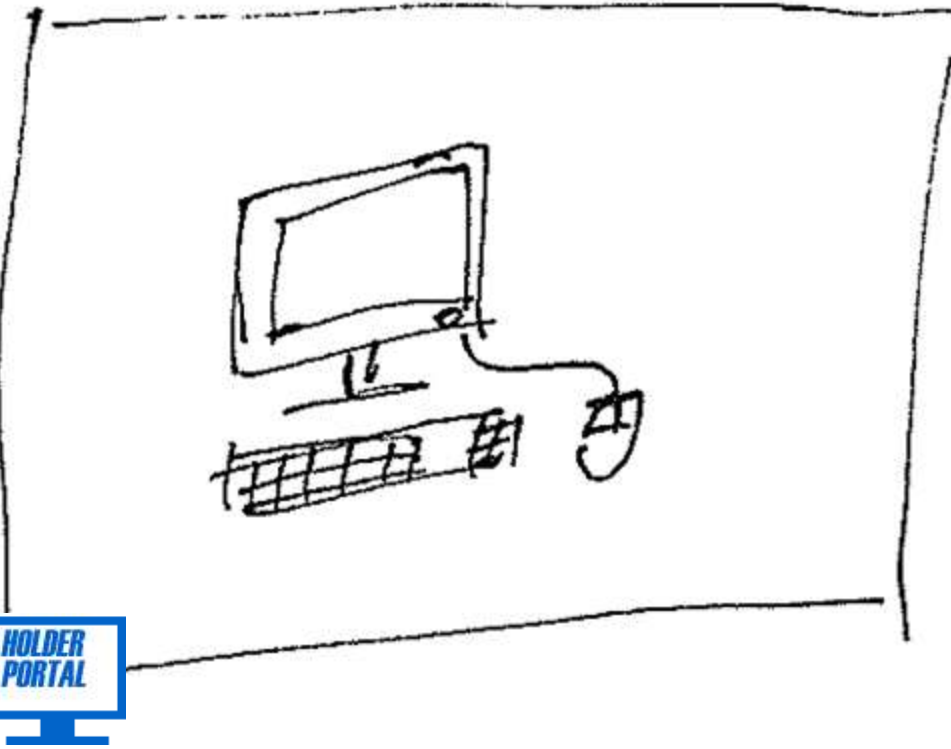


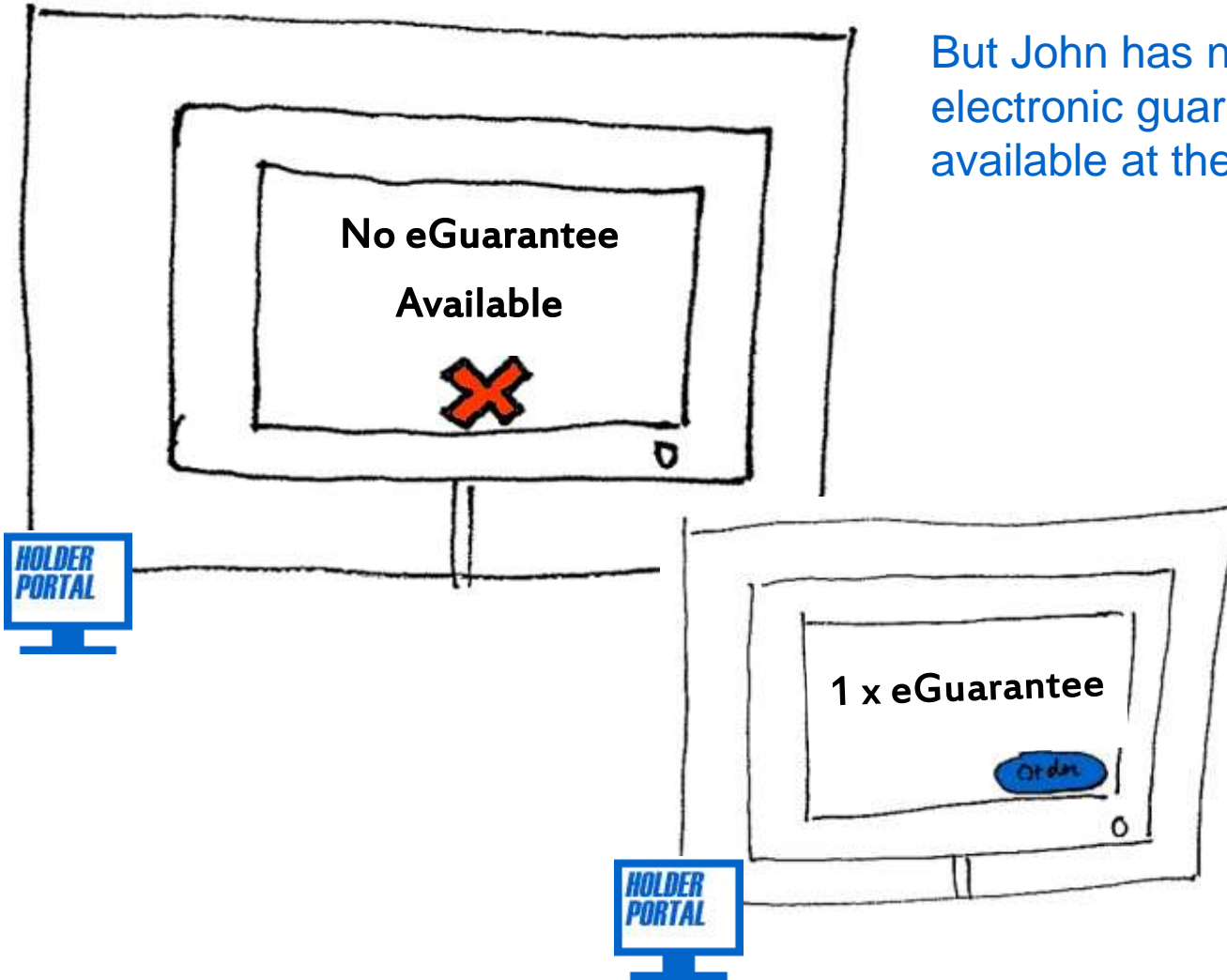
John has just been requested to perform a new hauling service for one of his clients

Itinerary:
Starting in country A and finishing in country B



He logs in to the TIR Holders Portal





But John has no TIR electronic guarantee available at the moment

So John decides to order a new TIR electronic guarantee



At this point the system can work in two distinct ways according to Association's policy

Manual



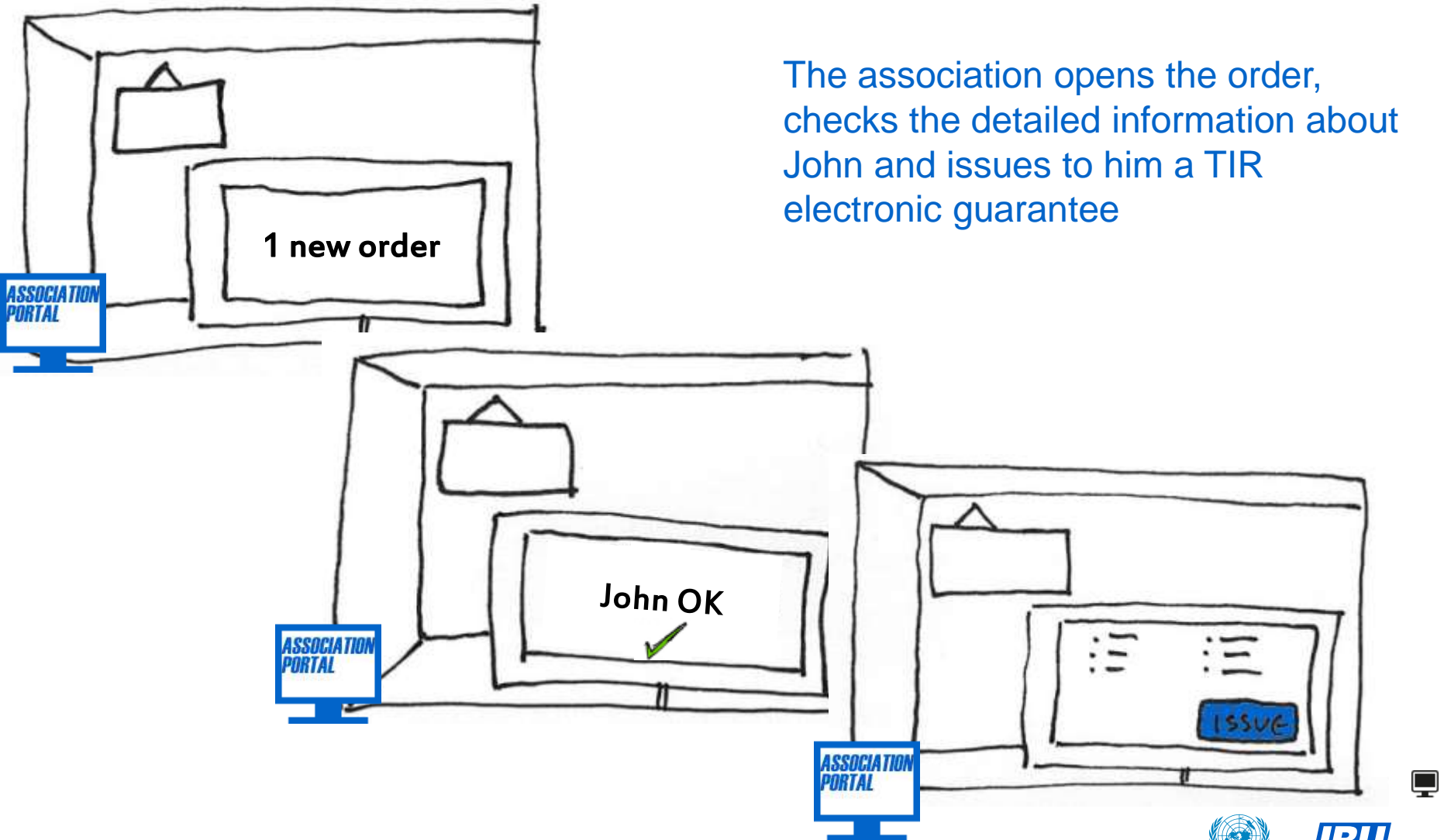
The association manually approves the eGuarantee request in the system



Automatic



The association automatically approves the eGuarantee request in the system (based on holder's quota/payment information pre-defined by the Association)



The association opens the order, checks the detailed information about John and issues to him a TIR electronic guarantee



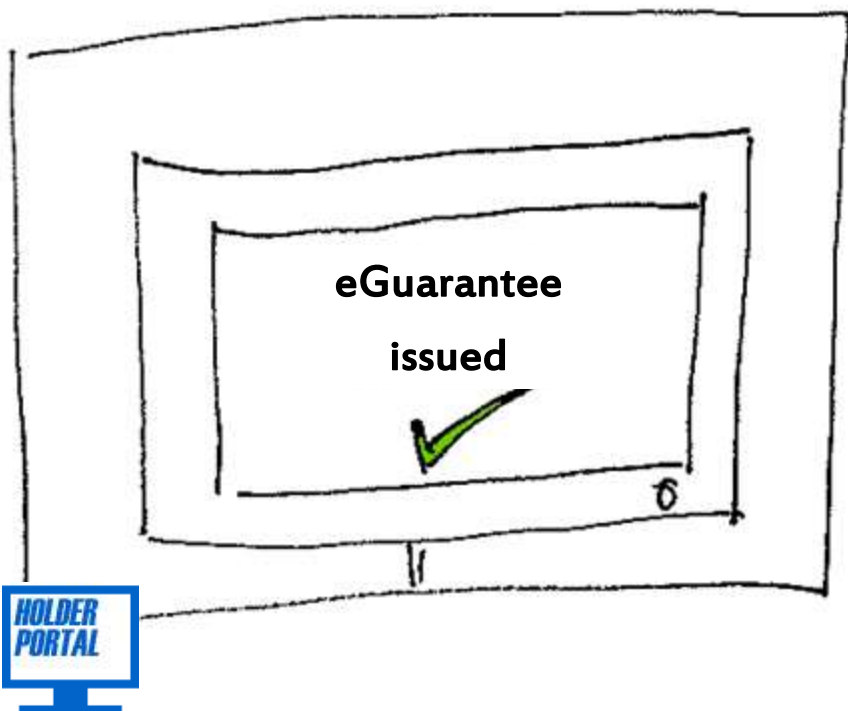
eTIR TRANSPORT





Activities

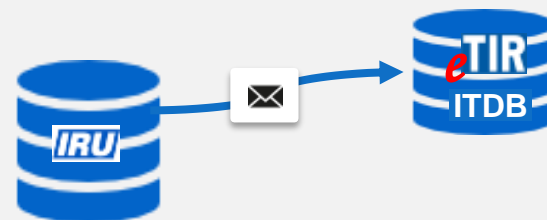
John receives an issuance note confirming the availability of his TIR electronic guarantee

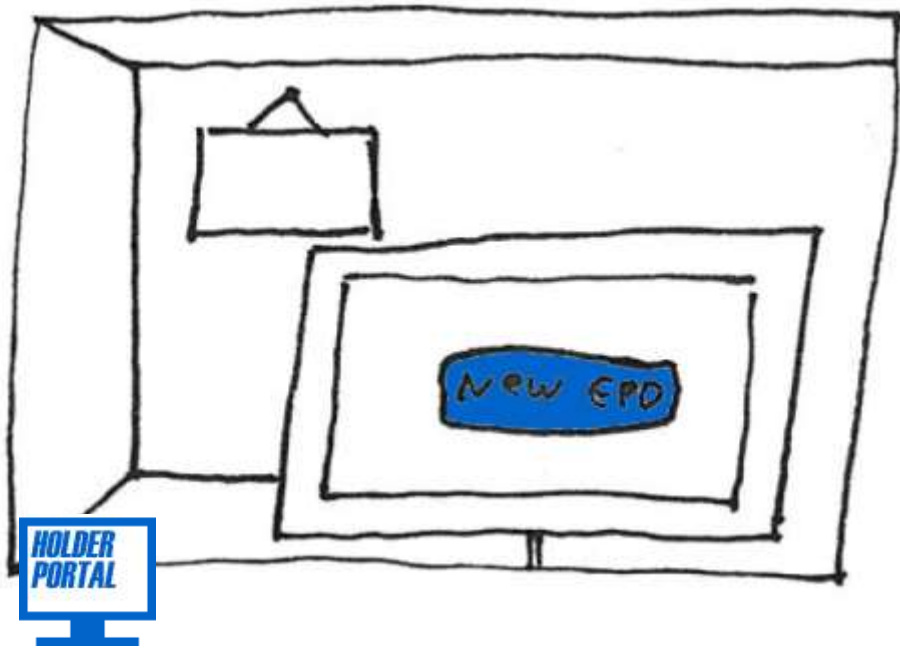


Messages

TIR guarantee data

- TIR holder information
- TIR electronic guarantee details (validity, status, etc.)





John is now ready to make his EPD and will have to enter all countries specific data



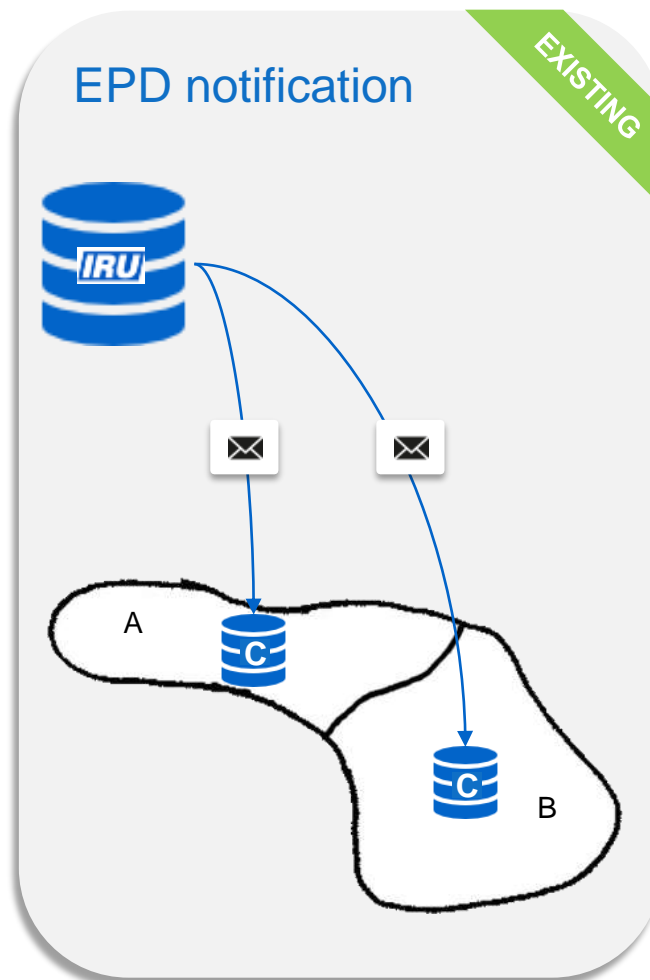


Activities



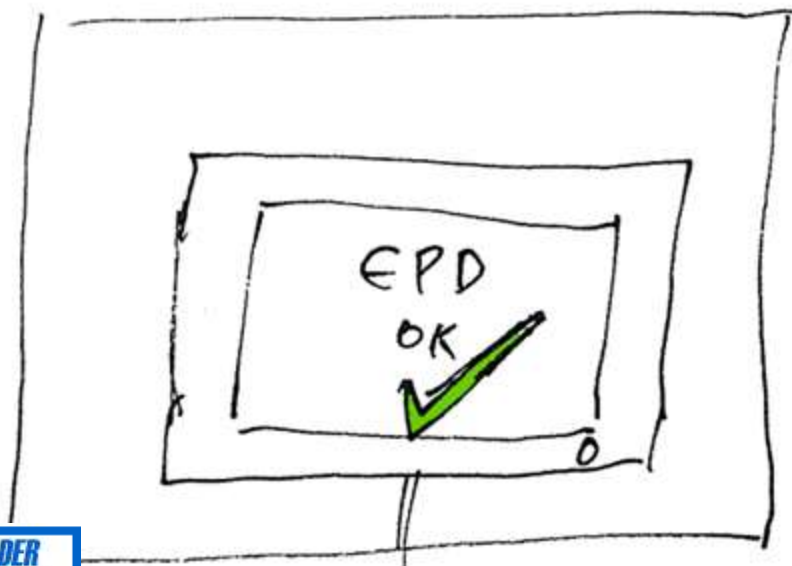
The IRU system will send John's EPD to the central customs of countries A and B.

Messages



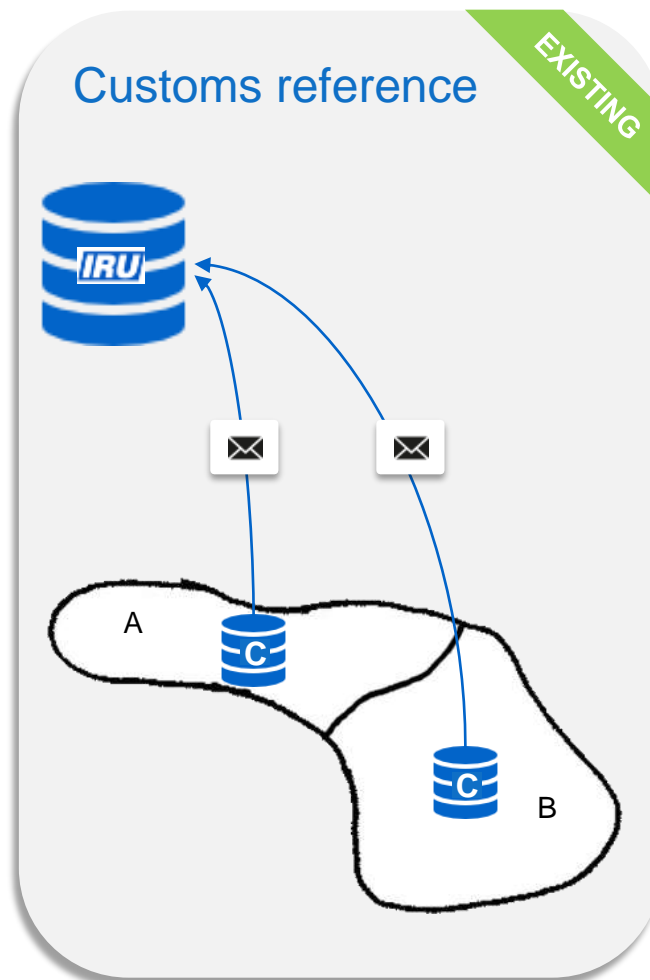


Activities



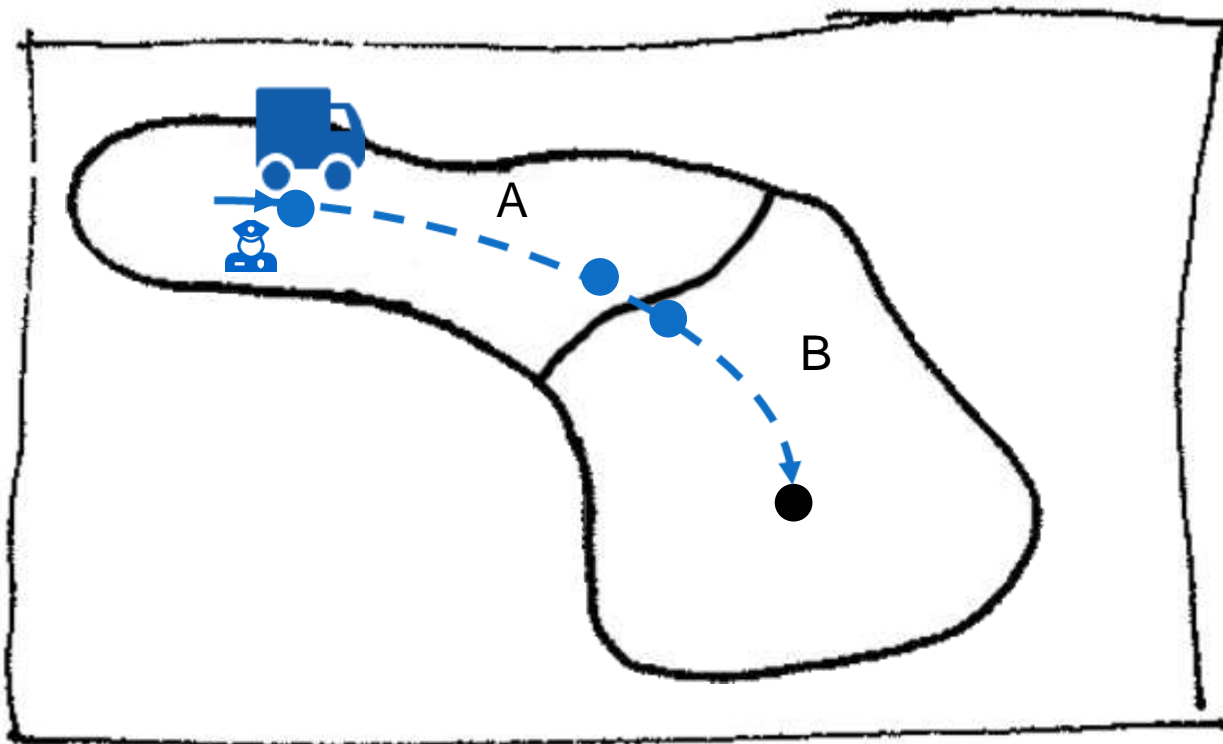
All central customs approve John's EPD (in their national customs systems). John receives customs' references and print his TIR electronic guarantee ref. number/barcode .

Messages



TIR electronic guarantee reference (example)

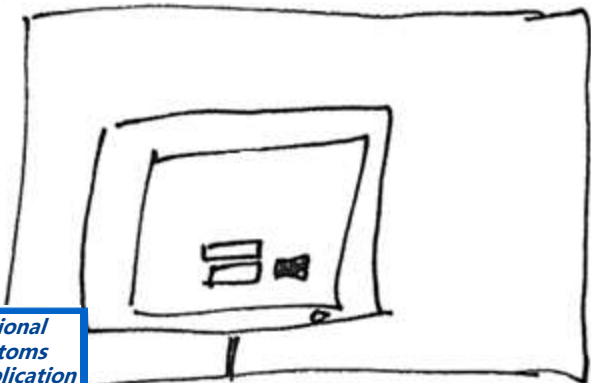




John's vehicle arrives at the customs office of departure (in country A) and he shows his TIR electronic guarantee ref. number/barcode



Activities



National Customs Application

The customs officer logs in to his customs system...



National Customs Application

And checks the TIR electronic guarantee information

Messages

TIR guarantee data

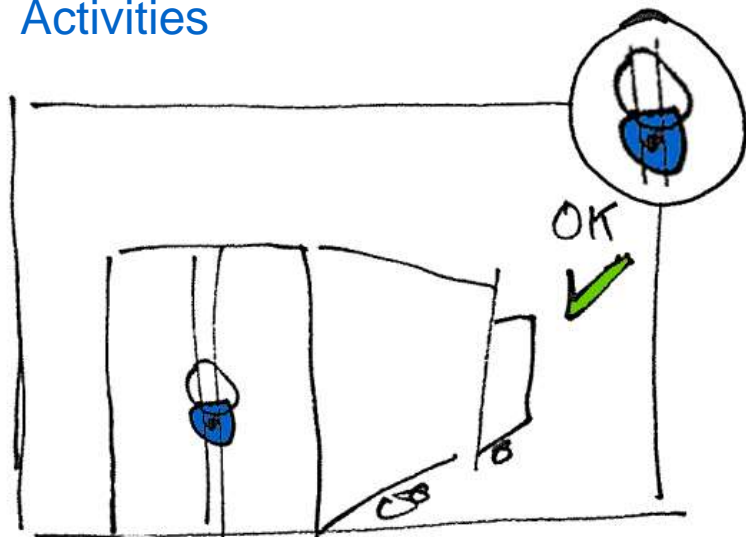
EXISTING

- TIR holder information
- TIR electronic guarantee details (validity, status, etc.)





Activities



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

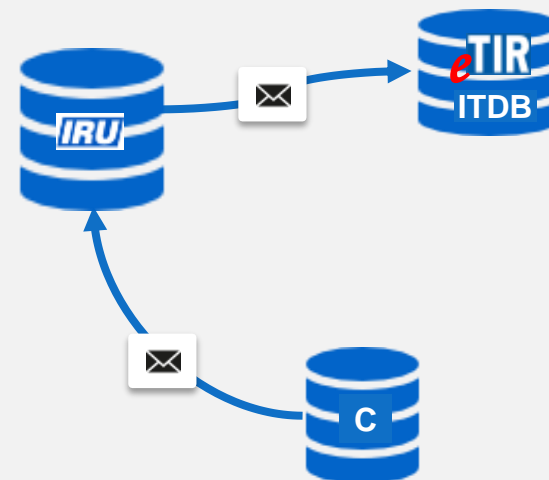


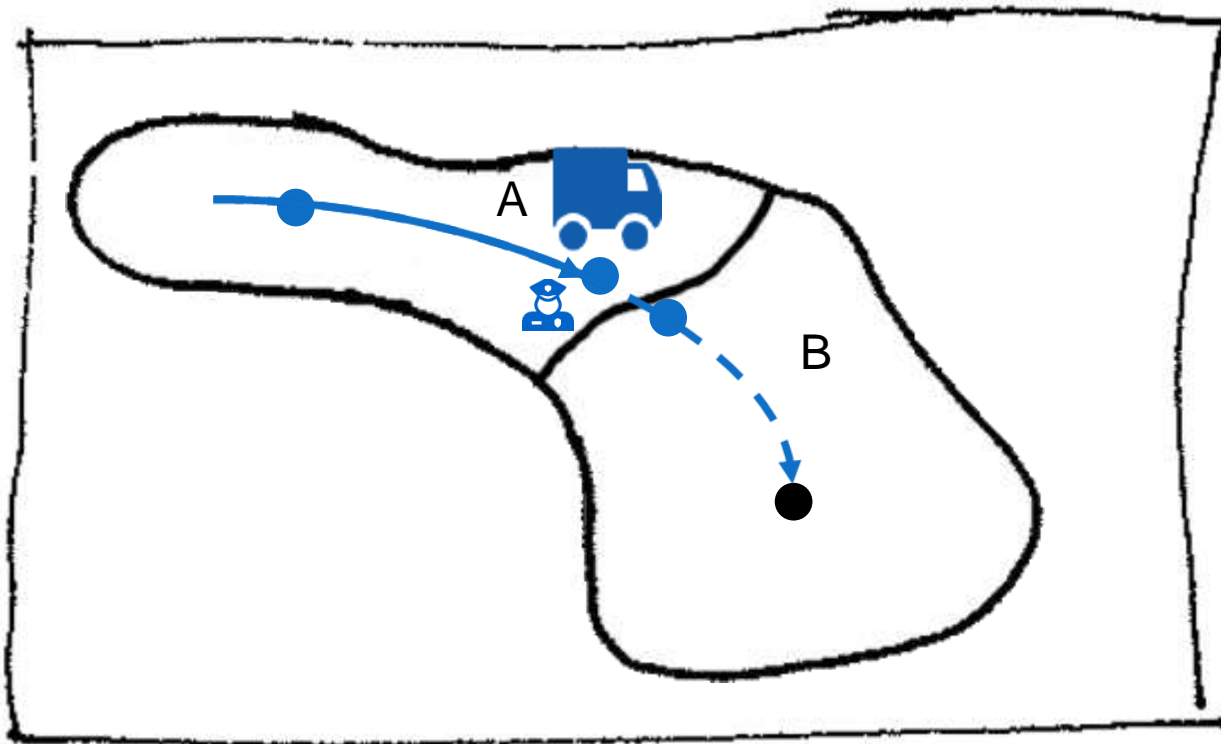
Messages

Release for transit

- *Cargo information*
- *Equipment information*
- *Seals information*

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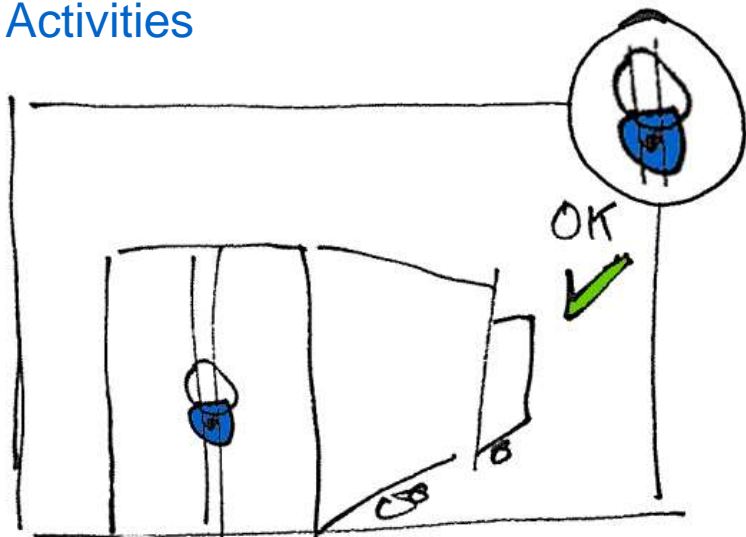




John's vehicle arrives at the customs office of exit (en route) in country A and he shows his TIR electronic guarantee ref. number/barcode



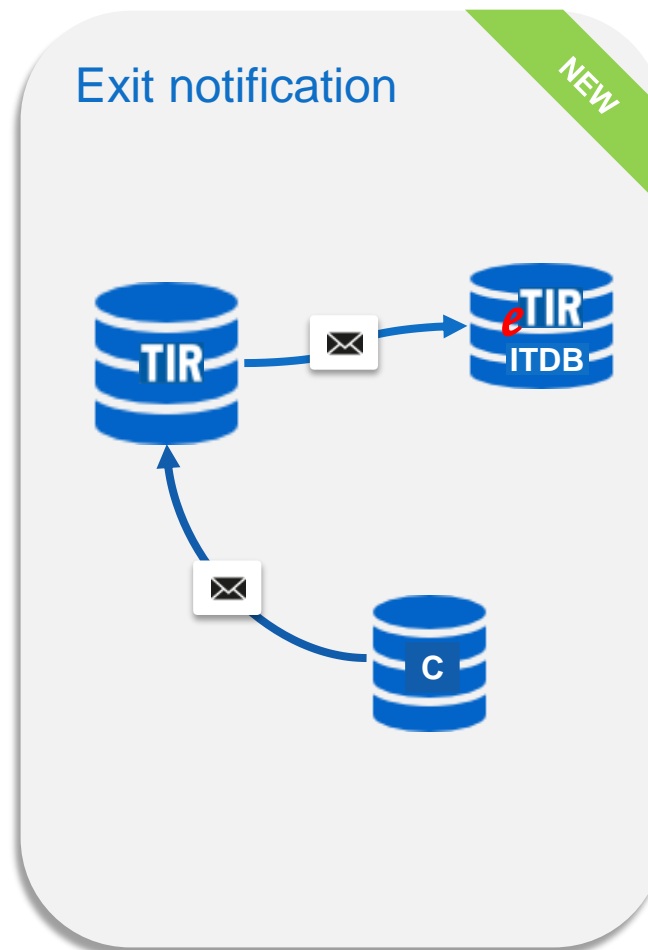
Activities



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

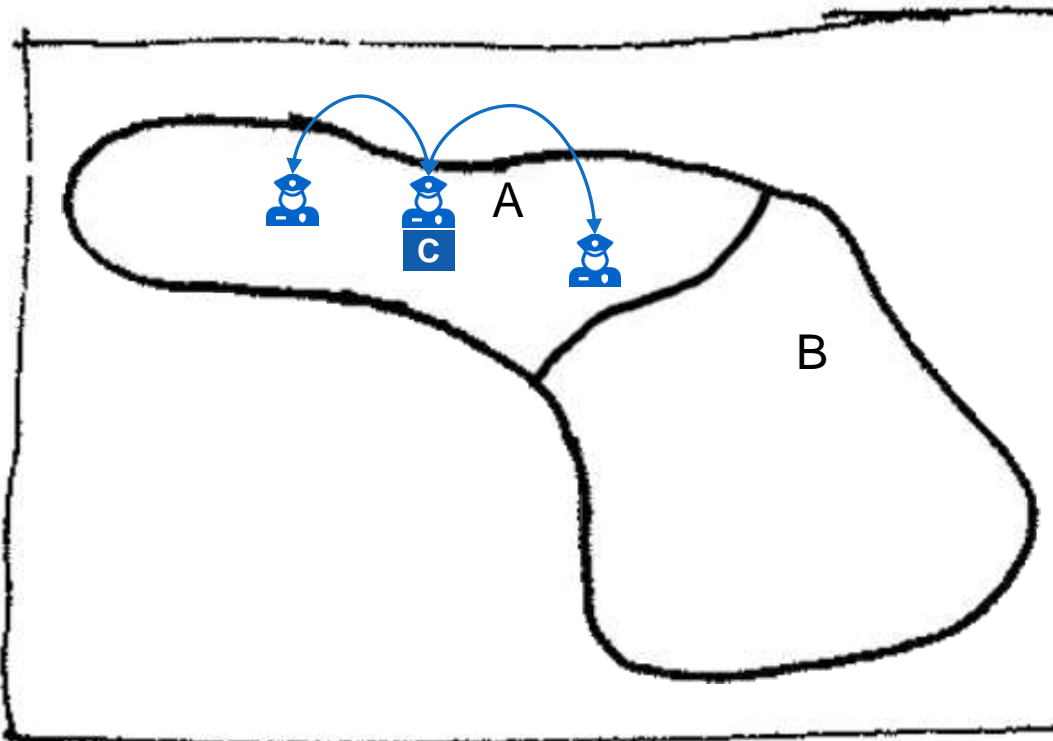


Messages



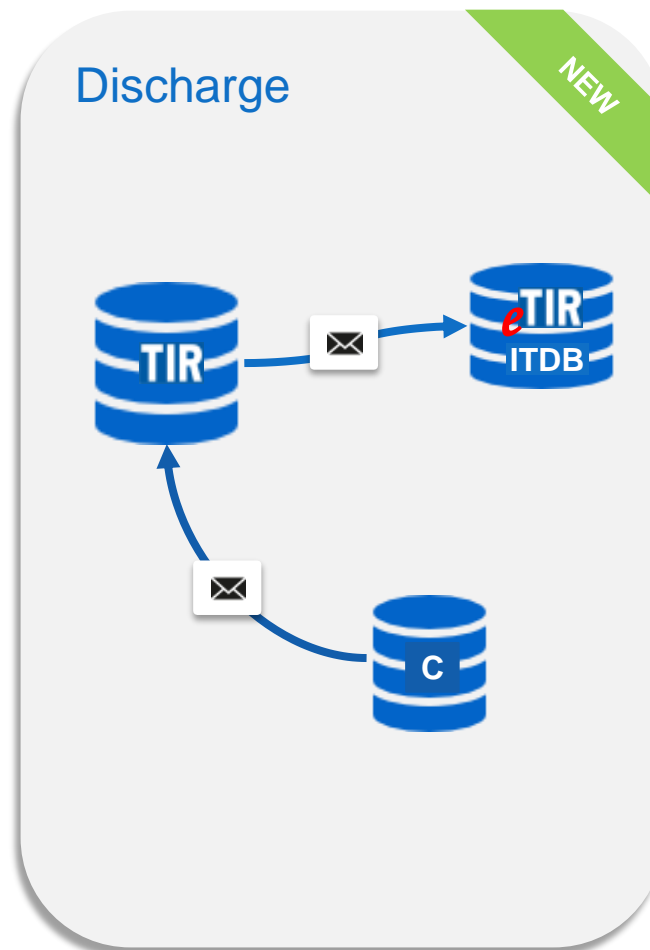


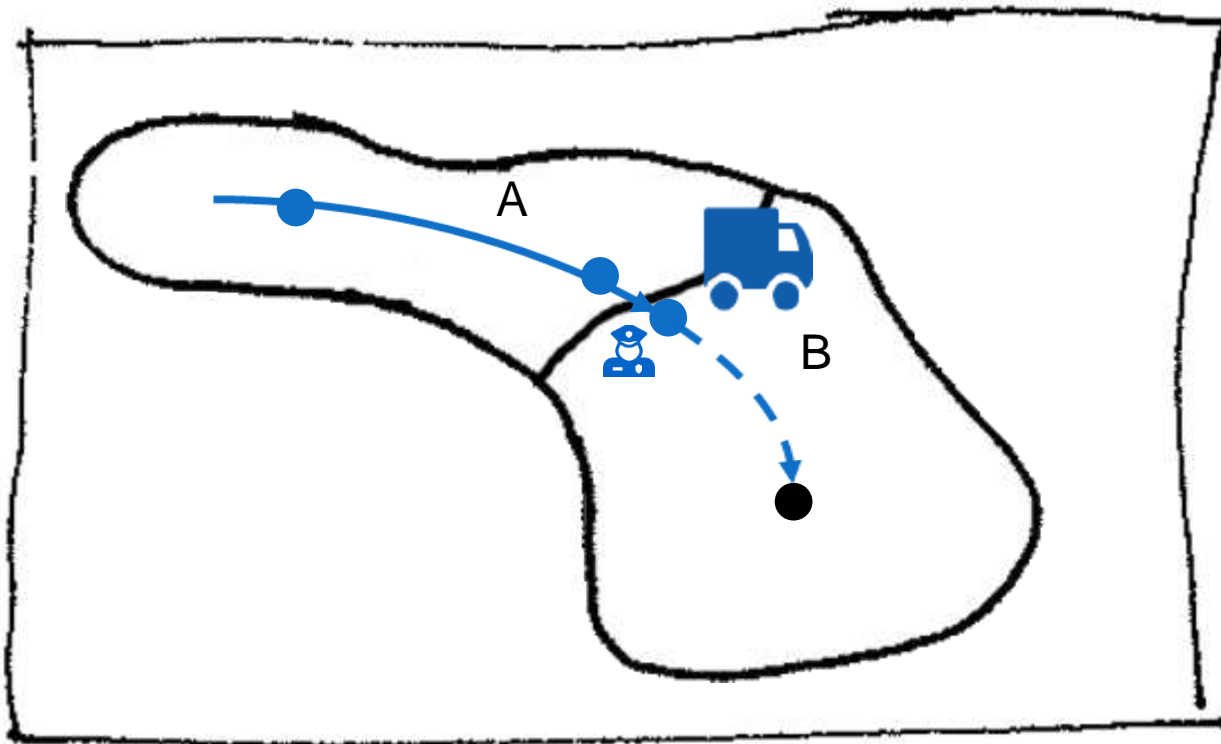
Activities



After the vehicle 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.

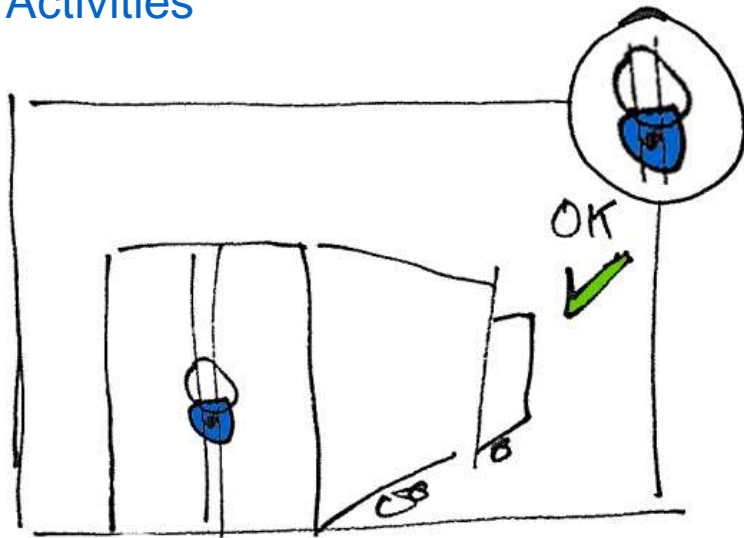
Messages





John's vehicle arrives at the customs office of entry (en route) in country B and he shows his TIR electronic guarantee ref. number/barcode

Customs office of entry : Country B



- 👁️ 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

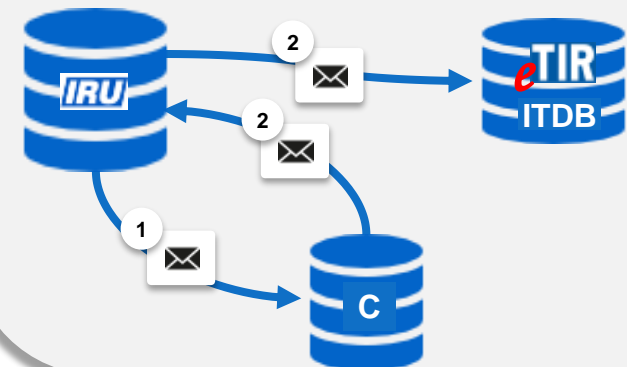
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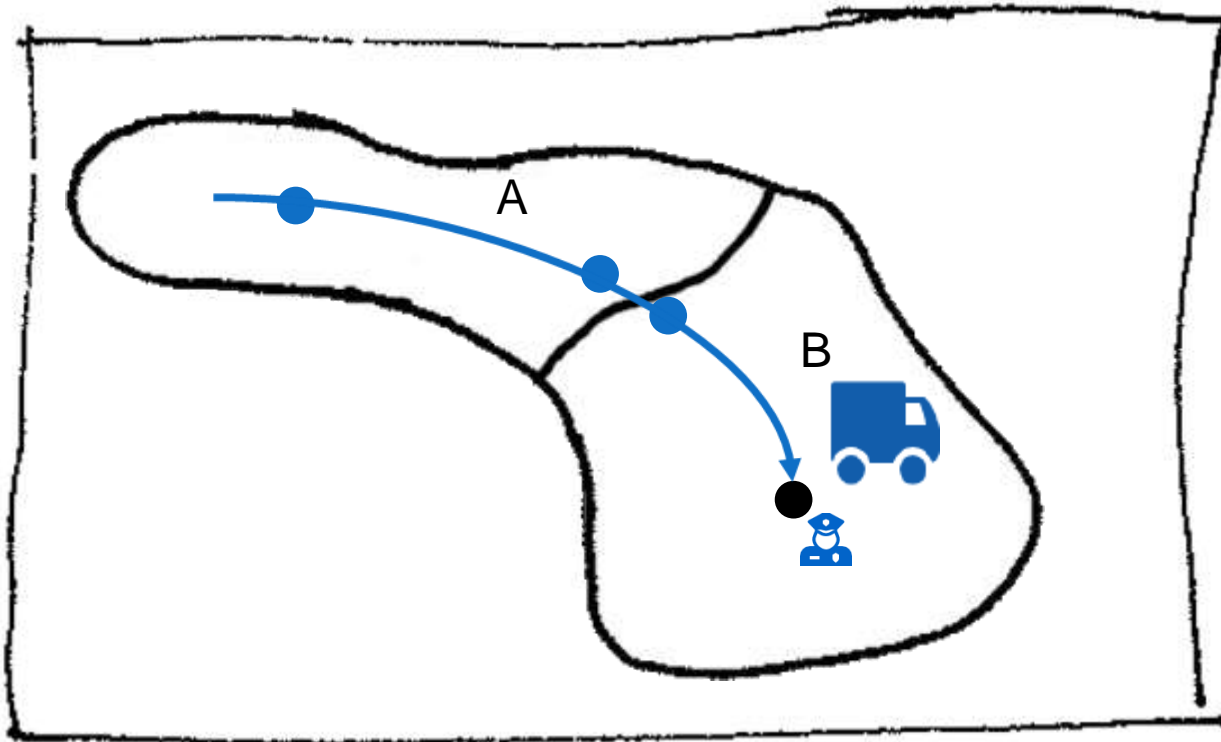
- TIR holder information
- TIR electronic guarantee details (validity, status, etc.)
- *Cargo information*
- *Equipment information*
- *Seals information*
- *Journey history*

2. Release for transit

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- *Cargo information*
- *Equipment information*
- *Seals information*

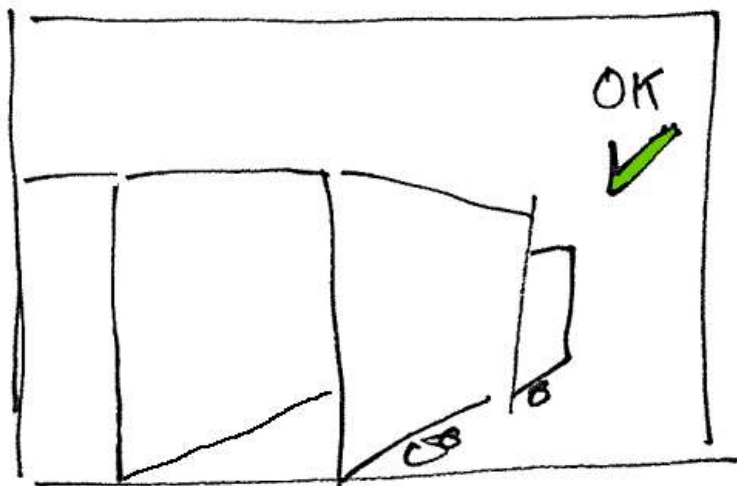




John's vehicle arrives at the customs office of destination in country B and he shows his TIR electronic guarantee ref. number/barcode



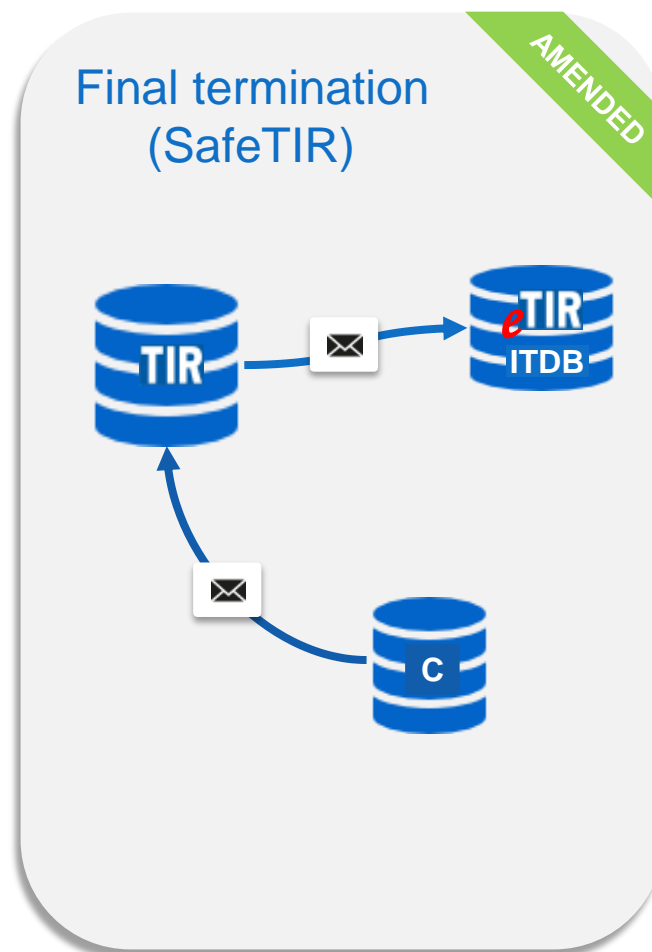
Activities



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

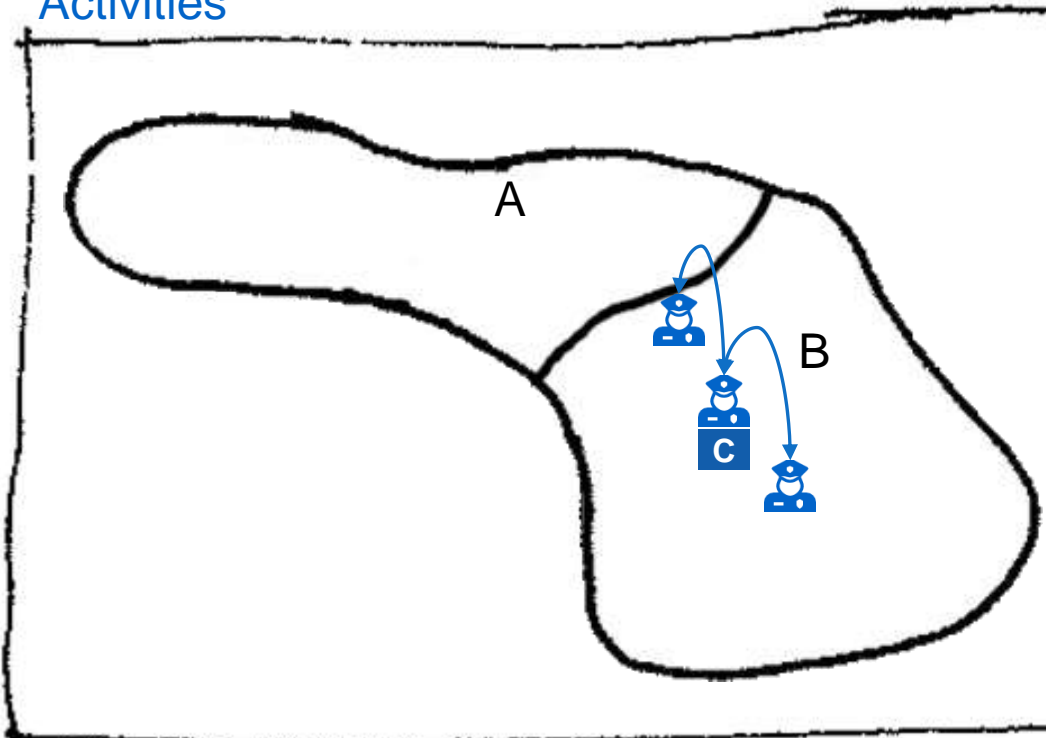


Messages



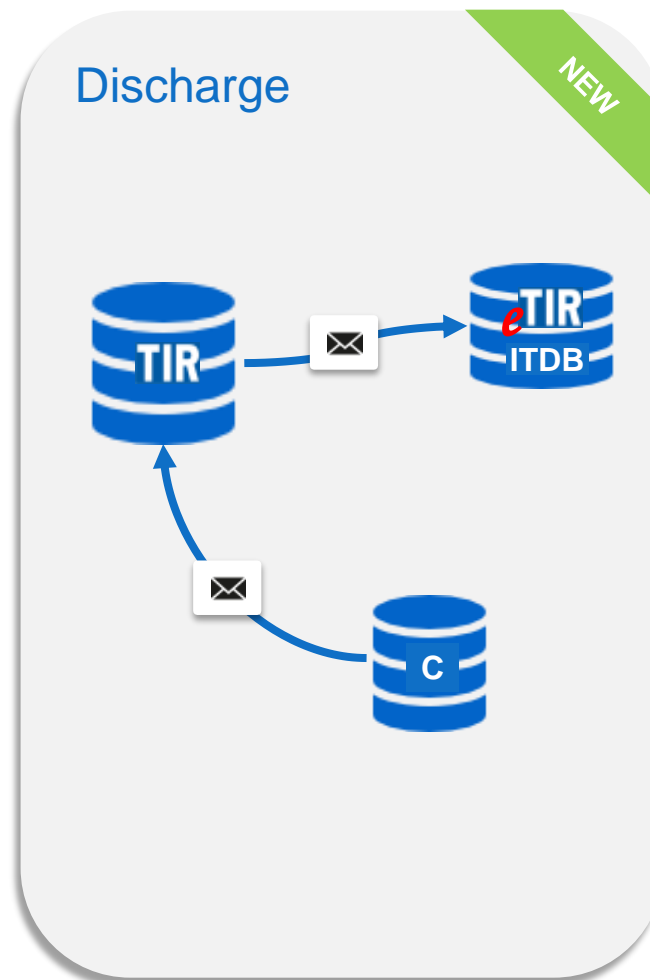


Activities



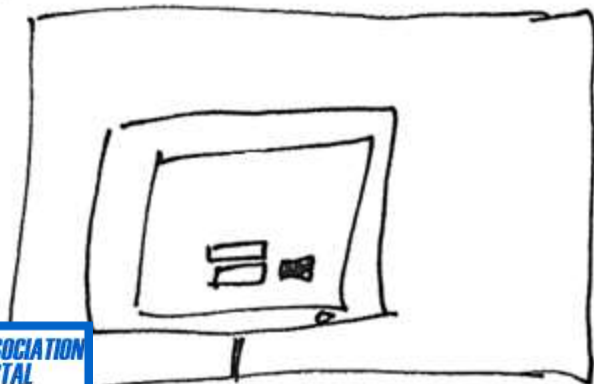
After the vehicle has reached the customs office of destination in country B, the central customs services reconcile information from the customs offices of entry (en route) and destination and send a discharge message.

Messages

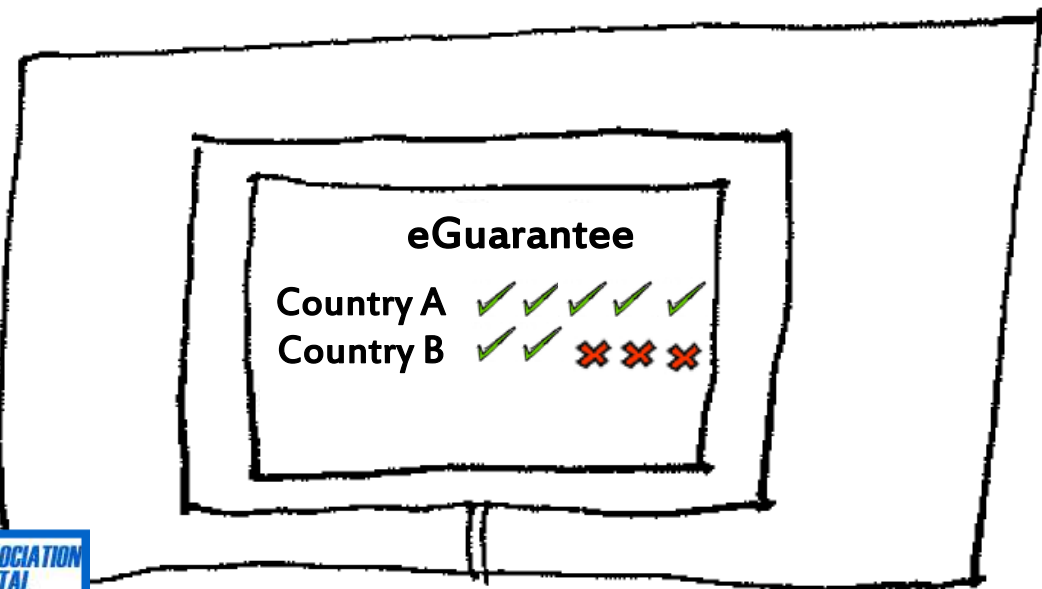




CONTROLS, AUDIT AND CLAIMS

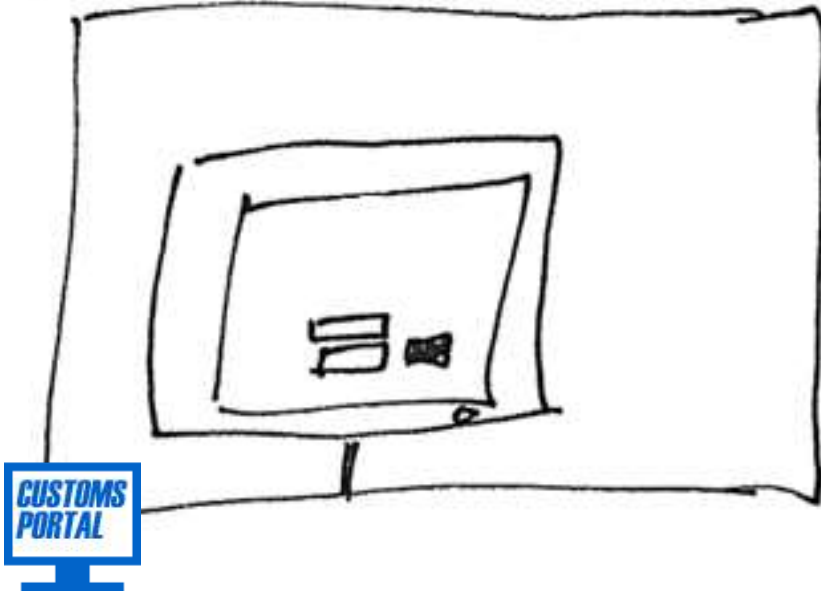


Associations log in to the Association Portal to get access to real time information about the level of risk for all TIR electronic guarantees they have issued. They can quickly view current issues as well as the ratio of issues (past and/or present) per TIR holder.



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

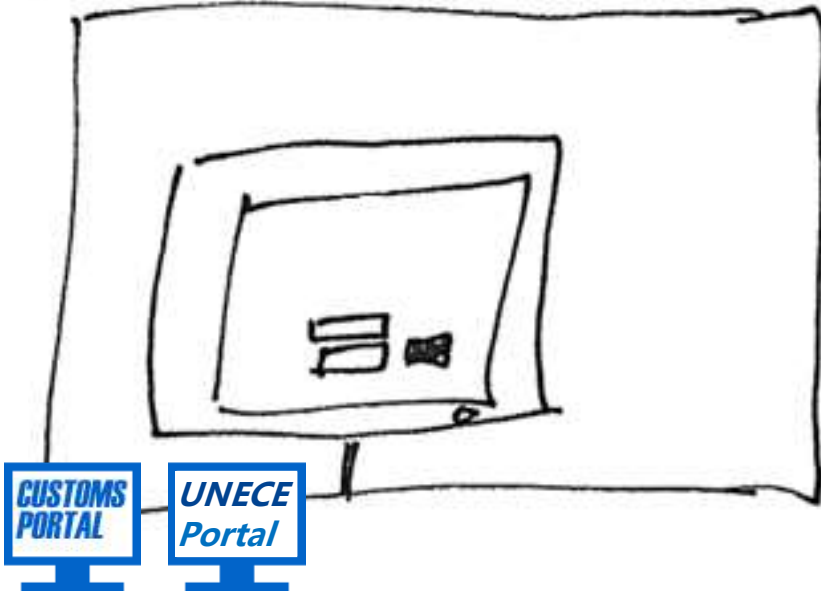




Customs log in to the Customs Portal and go to the Irregularities control page.

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.





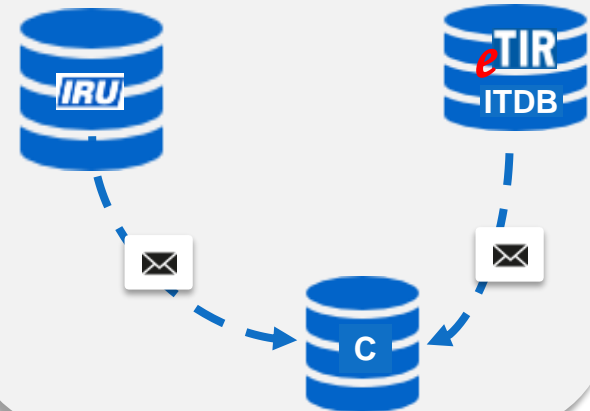
At any time, customs can retrieve TIR data from the IRU and UNECE systems, e.g. for claims or audit purposes.

Messages

TIR transport data

- TIR holder information
- TIR electronic guarantee details (validity, status, etc.)
- *Cargo information*
- *Equipment information*
- *Seals information*
- *Journey history*

AMENDED



eTIR PILOT



UNITED NATIONS
ECONOMIC COMMISSION
FOR EUROPE

