



TIR Secretariat ICT tools presentation

TIR Executive Board – Friends of the chair meeting
Samarkand UZBEKISTAN
21-22 June 2023



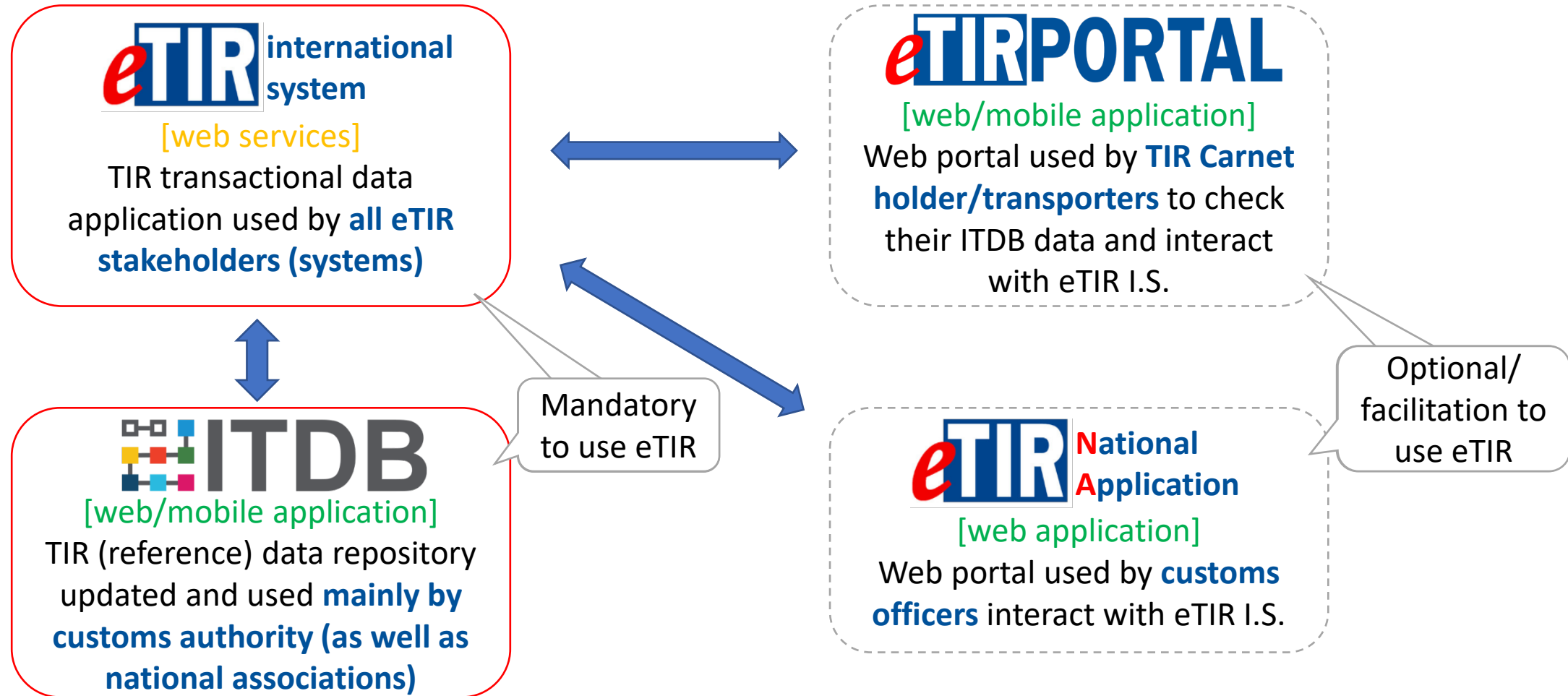
UNECE





- **TIR applications landscape**
- **Focus on the International TIR Data Bank**
 - Latest ITDB developments
- **Focus on eTIR Portal and eTIR mobile apps**
- **Focus on eTIR National Application**

TIR applications landscape



eTIR international system



- Heart of the eTIR system and procedure
- Data exchange platform
- System-to-system communication
- Full documentation on <https://etir.org> (Specifications, Implementation guides, ...)



International TIR Data bank (ITDB)



- **Why?**

- Obligation for all TIR Convention contracting parties
- Required to use eTIR

- **What?**

- It's the reference repository system for TIR related customs data (Holder status, customs offices, customs sealings and stamps).

- **Where?**

- Online at <https://itdb.unece.org> (hosted on UN servers)

- **Who?**

- Updated by all TIR contracting parties (customs authorities and national associations)
- Consulted by customs authorities (during TIR transport operations)

- **When?**

- Available 24/7

- **How?**

- Developed and supported by the UNECE TIR secretariat
- Controlled by the TIR Executive Board



General ITDB data status

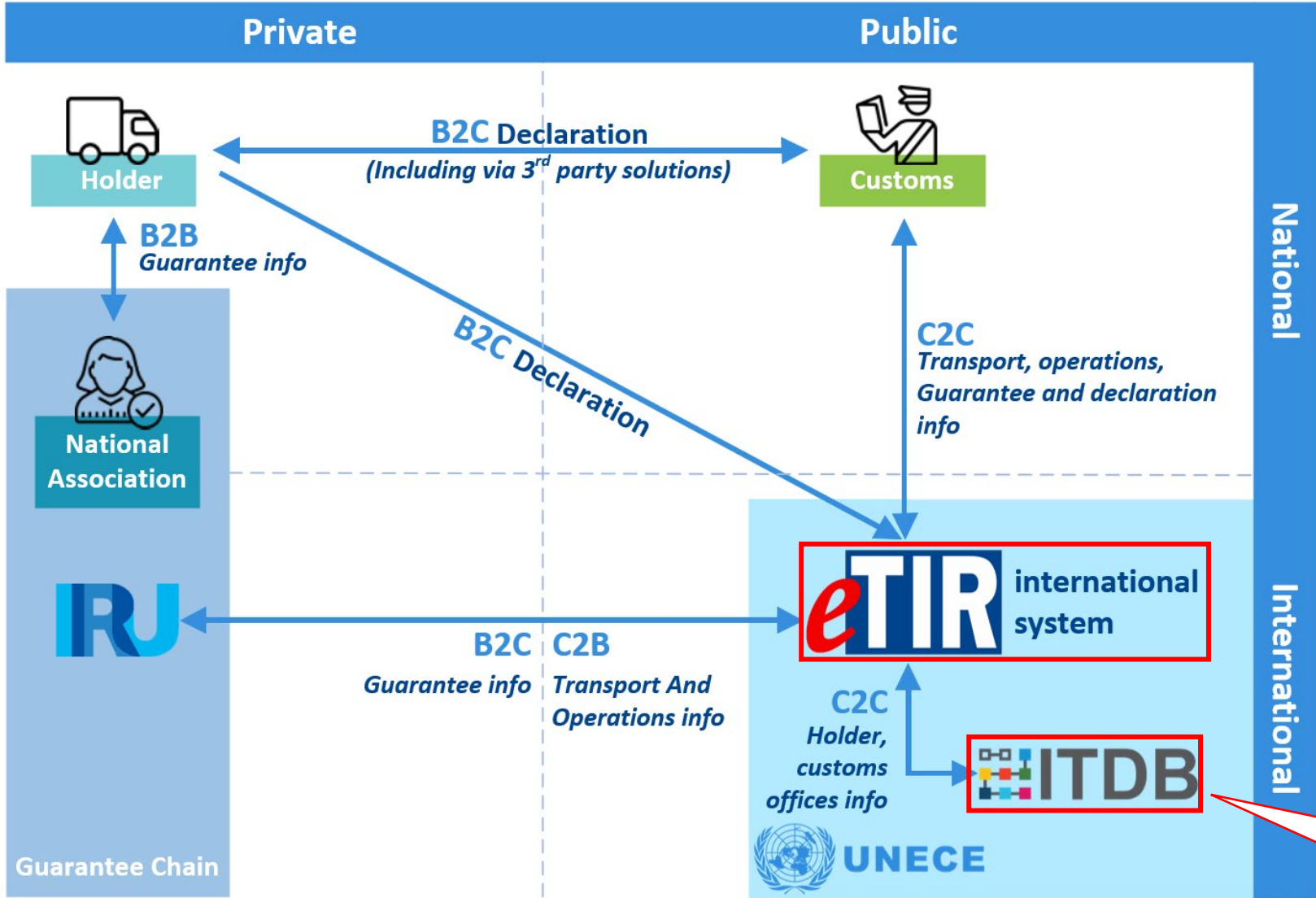
- 1,170 web application users (*since 2018*)
- 29,663 authorized holders
- 276 stamps and seals records
- 2,851 TIR customs offices

(Details of charts below available upon request at itdb@un.org)

Quick snapshot of the participating country data status in ITDB

Contracting party	# of authorized Holder	# of customs office	# of seals and stamps
Iran	1158	64	3
Kazakstan	478	0	2
Kyrgyzstan	144	0	3
Pakistan	7	85	3
Tajikistan	0	0	0
Turkmenistan	22	0	4
Uzbekistan	1403	70	4

eTIR and ITDB



We are here

- URL: <https://itdb.unece.org>
 - Available in 7 languages (BG, CZ, EN, DE, FR, PL, RU)
- Videos Training resources:
 - Youtube channel:
 - <https://www.youtube.com/watch?v=Th1VPArixEM>
 - <https://www.youtube.com/watch?v=RquIZ7ZeSww>

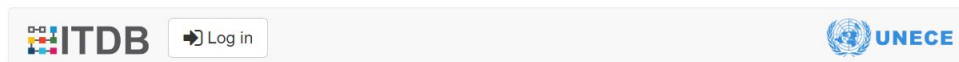
- User guides:



Customs
user guide



Association
user guide



 INTERNATIONAL
TIR DATA BANK



About the ITDB

The ITDB (International TIR Data Bank) was introduced by the UNECE TIR secretariat in 1999, in accordance with the Terms of Reference of the TIR Executive Board (TIRExB) established by the TIR Administrative Committee.

[Read more](#)



Accessing the ITDB

Competent authorities and guaranteeing associations of the Contracting Parties of the TIR Convention can have access to the ITDB.

[Read more](#)



TIR secretariat

The TIR Secretary, with the assistance of the TIR secretariat executes the decisions of the TIRExB, within the Terms of Reference of the Board, in accordance with Annex 8, paragraph 2 of the TIR Convention, 1975.



Customs Offices

The TIR Carnet holders can find on this page the list of customs offices compatible with TIR Transports in order to plan for their itineraries.

ITDB latest development and extension



- Mandate and funding
 - Based on document ECE/TRANS/WP.30/AC.2/2020/18/Rev.1 ([EN](#), [FR](#), [RU](#)) presented at the 74th session of the AC.2 in February 2021 (Para. 17(b))
 - Adopted by the committee with adjustment as described in AC.2 report [ECE/TRANS/WP.30/AC.2/151](#) (Para. 29)
 - Functional specifications of the proposed technical solution are described in document ECE/TRANS/WP.30/AC.2/2020/18/Rev.1 para 17 ([EN](#), [FR](#), [RU](#)).
 - Funded by UN Development Account (UNDA)
- Implementation plan:
 - ITDB web application changes:
 - TIR Carnet holder status change email notifications;
 - Change to temporary withdrawal and exclusion web form to enforce end date or reminder date entry;
 - Automated sending of withdrawal and exclusion email reminders.
 - (TIR Carnet Holder) eTIR Portal
 - eTIR Customs and eTIR Holder mobile applications

TIR Carnet holder status change email notifications



- Functional specifications described in document ECE/TRANS/WP.30/AC.2/2020/18/Rev.1 para 17 (a)
- 28 new triggering events to be managed
- Large communication campaign to all associations to retrieve holder email contact information

(a) The moment a change happens in ITDB (exclusion, withdrawal, new TIR Carnet holder registered etc.), an email notification will be sent ~~automatically~~ to the relevant customs **(at their discretion)**, national associations, TIR Carnet holders and IRU **in as far as related to data to which any such stakeholder has access**. The notification will include all key information **(based on the notified party accesses)** to avoid having to login to ITDB to access them, saving time for all users;

Event	Association	Customs	Holder	International Organization
New recorded authorized holder	NEW	NEW	NEW	NEW
Approved new holder proposal	EXISTING	EXISTING	NEW	NEW
End of activity	EXISTING	NEW	NEW	NEW
Approved end of activity Proposal	EXISTING	EXISTING	NEW	NEW
New exclusion	EXISTING	EXISTING	NEW	NEW
Updated Exclusion	EXISTING	EXISTING	NEW	NEW
New withdrawal	EXISTING	NEW	NEW	NEW
Updated withdrawal	EXISTING	NEW	NEW	NEW
Approved new withdrawal proposal	EXISTING	NEW	NEW	NEW
Approved withdrawal update proposal	EXISTING	NEW	NEW	NEW

TIR Carnet holder status change email notifications



- Functional specifications described in document ECE/TRANS/WP.30/AC.2/2020/18/Rev.1 para 17 (b)(i)
- Update of the web form to enforce users to provide either end or reminder date for temporary withdrawals/exclusions

(i) The "end date" field of a temporary exclusion should become mandatory in order to become valid in the system. This will eliminate those cases where active TIR Carnet holders appear excluded in ITDB because no action was taken or no end date was incorporated in the system, thus making the temporary exclusion look as permanent. ~~The system will automatically re-activate a holder the day after the defined end date.~~ **Also, the system will not accept an end date set beyond two years.** In cases where customs authorities are not able to provide the end date while filling-in the form of an exclusion, an alternative mandatory date of notification field will be introduced where customs will insert the date in order for the system to send them a notification / reminder to fill in the end date.

✖ Withdrawal

Type *	Temporary	Reason For Withdrawal
Start Date *	<input type="text"/>	<input type="text"/>
End Date	<input type="text"/>	Reason For Rehabilitation
Reminder Date	<input type="text"/>	



- Functional specifications described in document ECE/TRANS/WP.30/AC.2/2020/18/Rev.1 para 17 (b)(i)
- Nightly automated verifications to send email reminders to temporary withdrawal or exclusions without end dates.
 - On reminder date: to the related customs users;
 - 2 weeks after reminder date: to the related customs and associations users;
 - 4 weeks after reminder date: to the related customs (final reminder).

notification / reminder to fill in the end date. If an end date has not been introduced two weeks after the first reminder, then a second automated reminder will be sent to both customs authorities and the national association concerned. Finally, if two weeks after this last reminder the end date still has not been entered, the system will ~~automatically~~ **propose, by email, to the concerned national customs authorities to** reactivate the holder; based on point (a) above, an email notification about this change in the system will be sent to the relevant stakeholders;

TIR Carnet holder status change email notifications



- ✓ Functional specifications described in document ECE/TRANS/WP.30/AC.2/2020/18/Rev.1 para 17 (b)(i)
- ✓ Update of the web form to enforce users to provide either end or reminder date for temporary withdrawals/exclusions

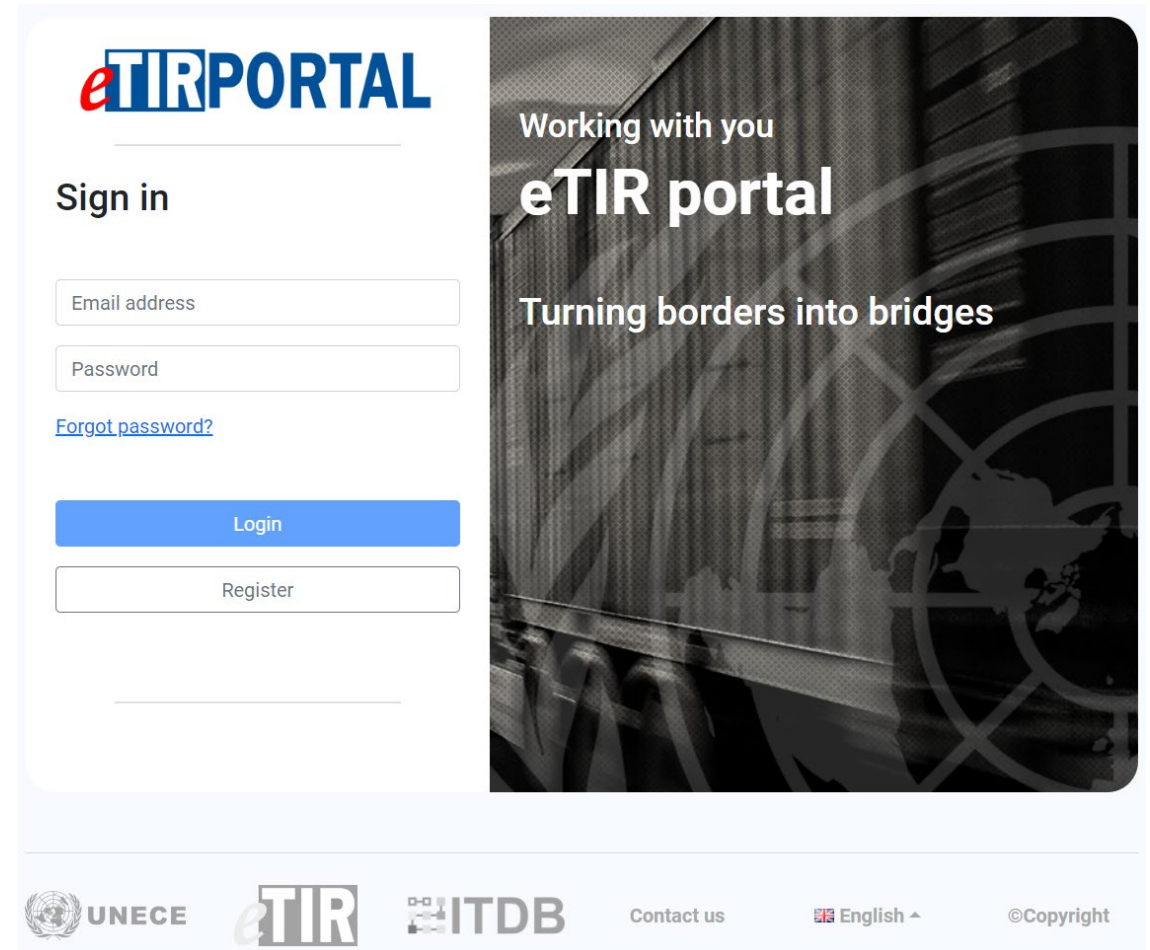
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End Date	<input type="text"/>	Reason For Rehabilitation
Reminder Date	<input type="text"/>	

- Functional specifications described in document ECE/TRANS/WP.30/AC.2/2020/18/Rev.1 para 17 (c)
- eTIR portal
 - Simple and mobile friendly web application to allow holder personel to consult the TIR Carnet holder status currently recorded ITDB
 - Holder interface to eTIR international system to submit Advance TIR/amendment data (pre-declaration) and consult TIR Transport status
 - One of the 3 options (along with TIR EPD, NCS, ...)

(ii) As a first step, a web page will be developed where TIR Carnet holders will be able to register in ITDB and have immediate access to their profile. TIR Carnet holders will be issued credentials to access this web page in the form of username / password, as is currently the case for other read-only users of ITDB;



The screenshot displays the eTIR Portal login interface. At the top left, the 'eTIRPORTAL' logo is shown. Below it, the text 'Sign in' is displayed. There are two input fields: 'Email address' and 'Password'. A link for 'Forgot password?' is located below the password field. Two buttons are present: a blue 'Login' button and a white 'Register' button. To the right of the login form is a large banner image of a train with the text 'Working with you eTIR portal' and 'Turning borders into bridges'. The bottom of the page features a footer with the UNECE logo, the eTIR logo, the ITDB logo, a 'Contact us' link, a language selector set to 'English', and a copyright notice.

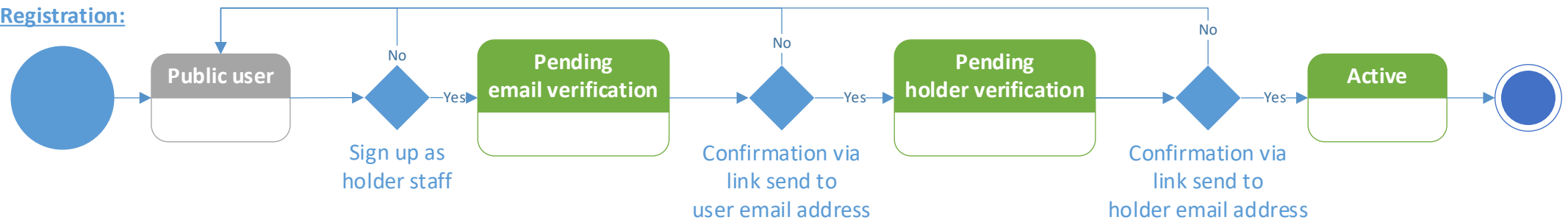
- Secured access with 2 step registration validation

Register

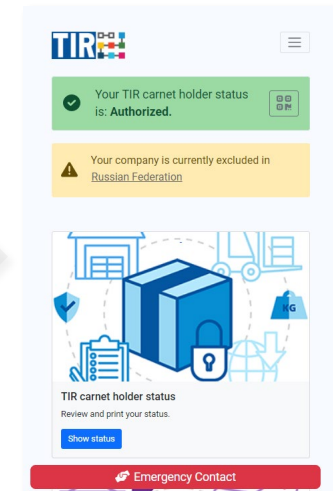
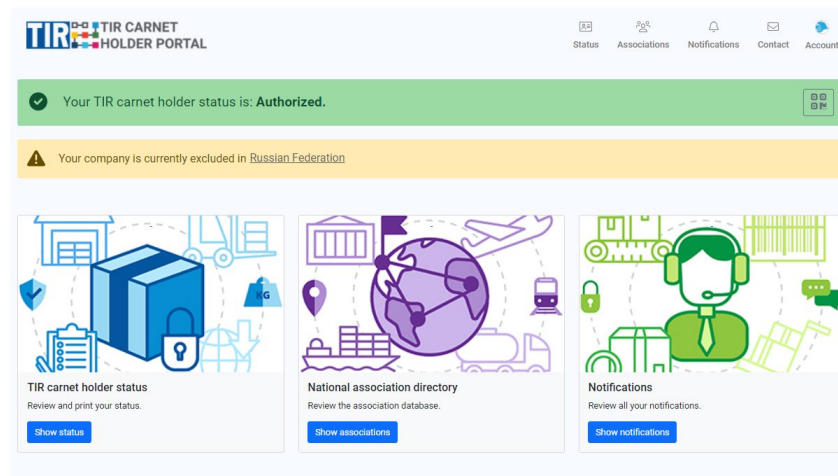
Please fill out the form below and press Submit to register as a TIR carnet holder portal user.

<p>Email address*</p> <input style="width: 95%;" type="text" value="jonathan.valdes@gmail.com"/> <p style="font-size: x-small;">Note: this email address will be used as your user ID.</p> <p>Password*</p> <input style="width: 95%;" type="password" value="*****"/> <p style="font-size: x-small;">Must be a minimum of 12 characters and contain at least 1 uppercase character, one lowercase character, one numeric, and one special character from #?!@%\$%^&*~</p> <p>First name*</p> <input style="width: 95%;" type="text"/> <p>Phone number</p> <input style="width: 95%;" type="text"/> <p>TIR carnet holder ID *</p> <input style="width: 95%;" type="text"/> <p style="font-size: x-small;">Please follow CCC/AAA/H... format. (CCC: ISO 3 country code, AAA: National Association ID, H...: Holder index, e.g. FRA/012/34569)</p> <p style="font-size: x-small;">All fields denoted with an asterisk * are mandatory.</p>	<p>Confirm email address*</p> <input style="width: 95%;" type="text"/> <p>Confirm password*</p> <input style="width: 95%;" type="password"/> <p>Last name*</p> <input style="width: 95%;" type="text"/> <p>Language</p> <input style="width: 95%;" type="text" value="English"/>
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Registration:




- Access to live ITDB data
- Mobile/Tablet friendly
- Access to National Association directory
- Status change notification
- Emergency contact



National association directory

Select association

 Germany Bundesverband Güterkraftverkehr Logistik und Entsorgung (BGL) e.V.

Association
Bundesverband Güterkraftverkehr Logistik und Entsorgung (BGL) e.V. - (BGL)

Address
Breitenbachstrasse 1

City
FRANKFURT

Postal code
60487

Spoken languages
English

Written languages
English

Email address
nies@bgl-ev.de; bgl@bgl-ev.de

Phone
+49 69 7919-271

Website
www.bgl-ev.de

Contact us

Name*

Email*

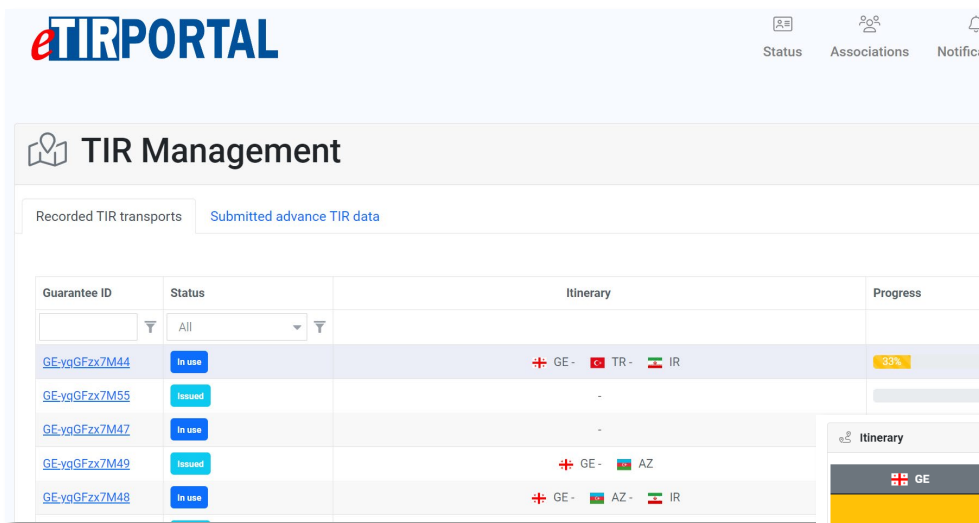
Phone

Subject*

Message*

Emergency?
Emergency messages will be communicated to all TIR Secretariat and to the National associations, shall only be used for request requiring immediate assistance.

- Submission of advance TIR/amendment data (E9/E11 eTIR messages)
- Tracking of TIR Transport status (as recorded in eTIR international system)



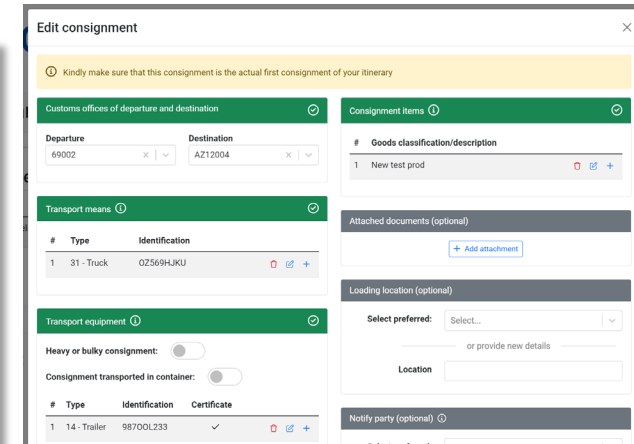
eTIRPORTAL

Status Associations Notifica

TIR Management

Recorded TIR transports Submitted advance TIR data

Guarantee ID	Status	Itinerary	Progress
GE-yqGFzx7M44	In use	GE - TR - IR	33%
GE-yqGFzx7M55	Issued	-	
GE-yqGFzx7M47	In use	-	
GE-yqGFzx7M49	Issued	GE - AZ	
GE-yqGFzx7M48	In use	GE - AZ - IR	



Edit consignment

Kindly make sure that this consignment is the actual first consignment of your itinerary

Customs offices of departure and destination

Departure: 69002 Destination: AZ12004

Consignment items

Goods classification/description

1 New test prod

Transport means

Type Identification

1 31 - Truck QZ569HJKU

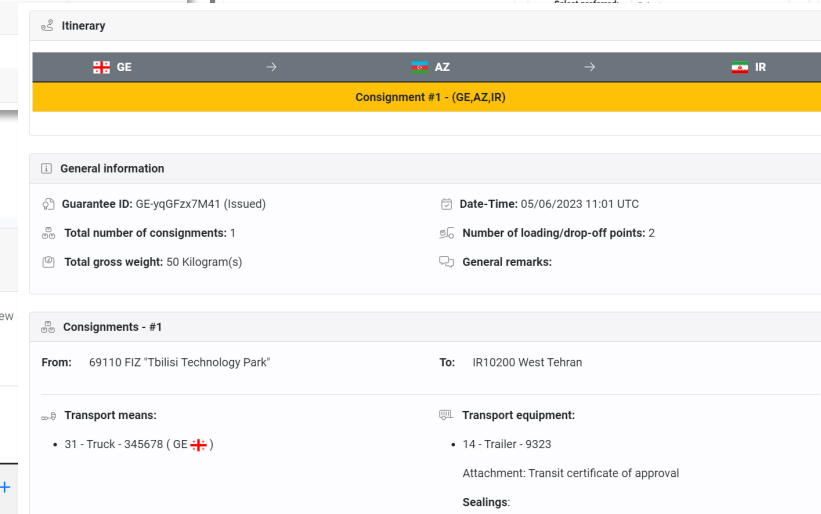
Transport equipment

Heavy or bulky consignment:

Consignment transported in container:

Type Identification Certificate

1 14 - Trailer 98700L233



Itinerary

GE → AZ → IR

Consignment #1 - (GE,AZ,IR)

General information

Guarantee ID: GE-yqGFzx7M41 (Issued) Date-Time: 05/06/2023 11:01 UTC

Total number of consignments: 1 Number of loading/drop-off points: 2

Total gross weight: 50 Kilogram(s) General remarks:

Consignments - #1

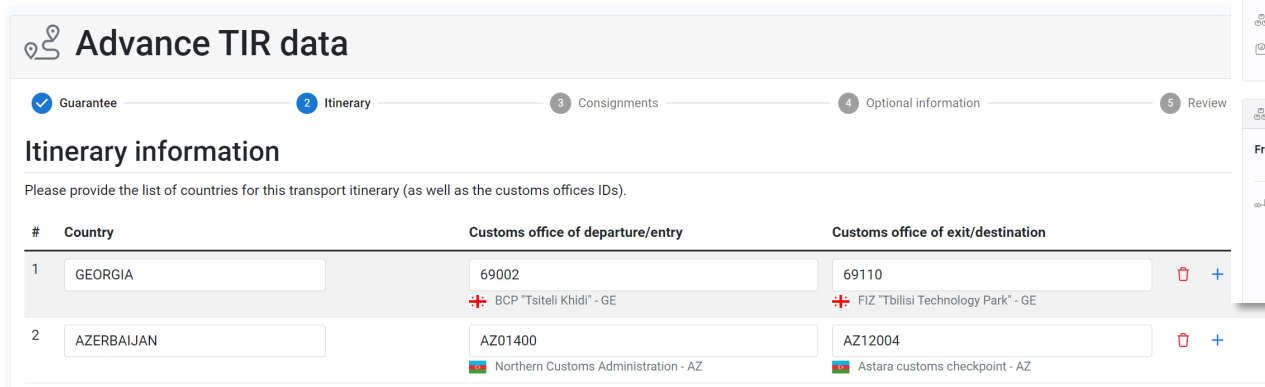
From: 69110 FIZ "Tbilisi Technology Park" To: IR10200 West Tehran

Transport means: 31 - Truck - 345678 (GE +)

Transport equipment: 14 - Trailer - 9323

Attachment: Transit certificate of approval

Sealings:



Advance TIR data

Guarantee Itinerary Consignments Optional information Review

Itinerary information

Please provide the list of countries for this transport itinerary (as well as the customs offices IDs).

#	Country	Customs office of departure/entry	Customs office of exit/destination
1	GEORGIA	69002 BCP "Tsiteli Khidi" - GE	69110 FIZ "Tbilisi Technology Park" - GE
2	AZERBAIJAN	AZ01400 Northern Customs Administration - AZ	AZ12004 Astara customs checkpoint - AZ

eTIR Customs and eTIR Holder mobile apps



- Functional specifications described in document ECE/TRANS/WP.30/AC.2/2020/18/Rev.1 para 17 (c)
- ITDB/Customs officer mobile application and TIR Carnet holder mobile application
 - Simple mobile application allowing to use respectively ITDB and the TIR Carnet holder eTIR portal main features via mobile apps;
 - Allow to check:
 - Current holder status
 - Customs office map and info
 - National association directory
 - TIR Transport status



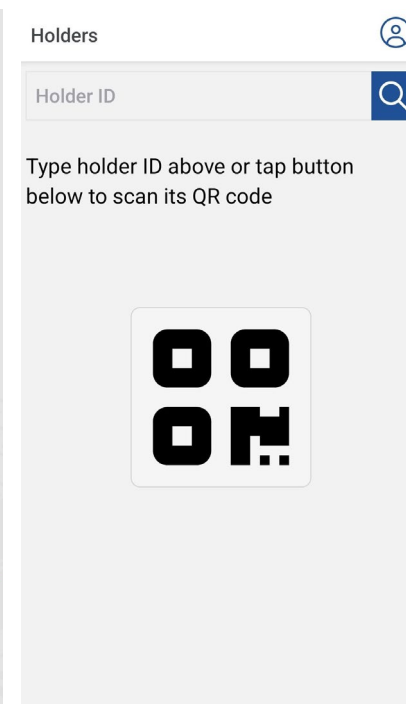
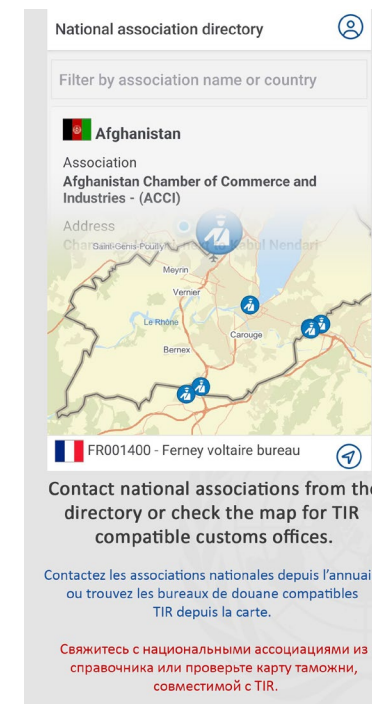
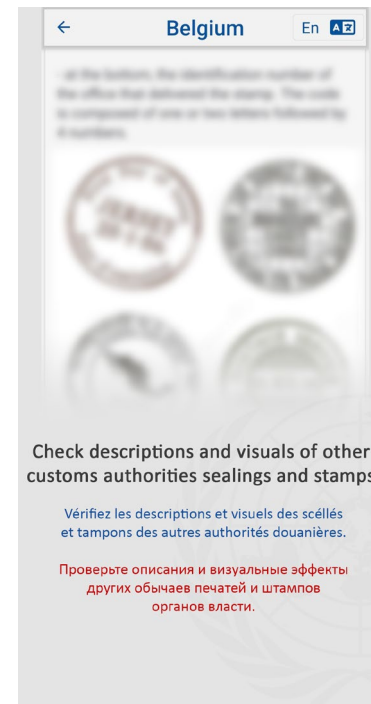
Access the mobile apps



<https://lnkd.in/e6A76bxw>
<https://lnkd.in/exevsxHM>




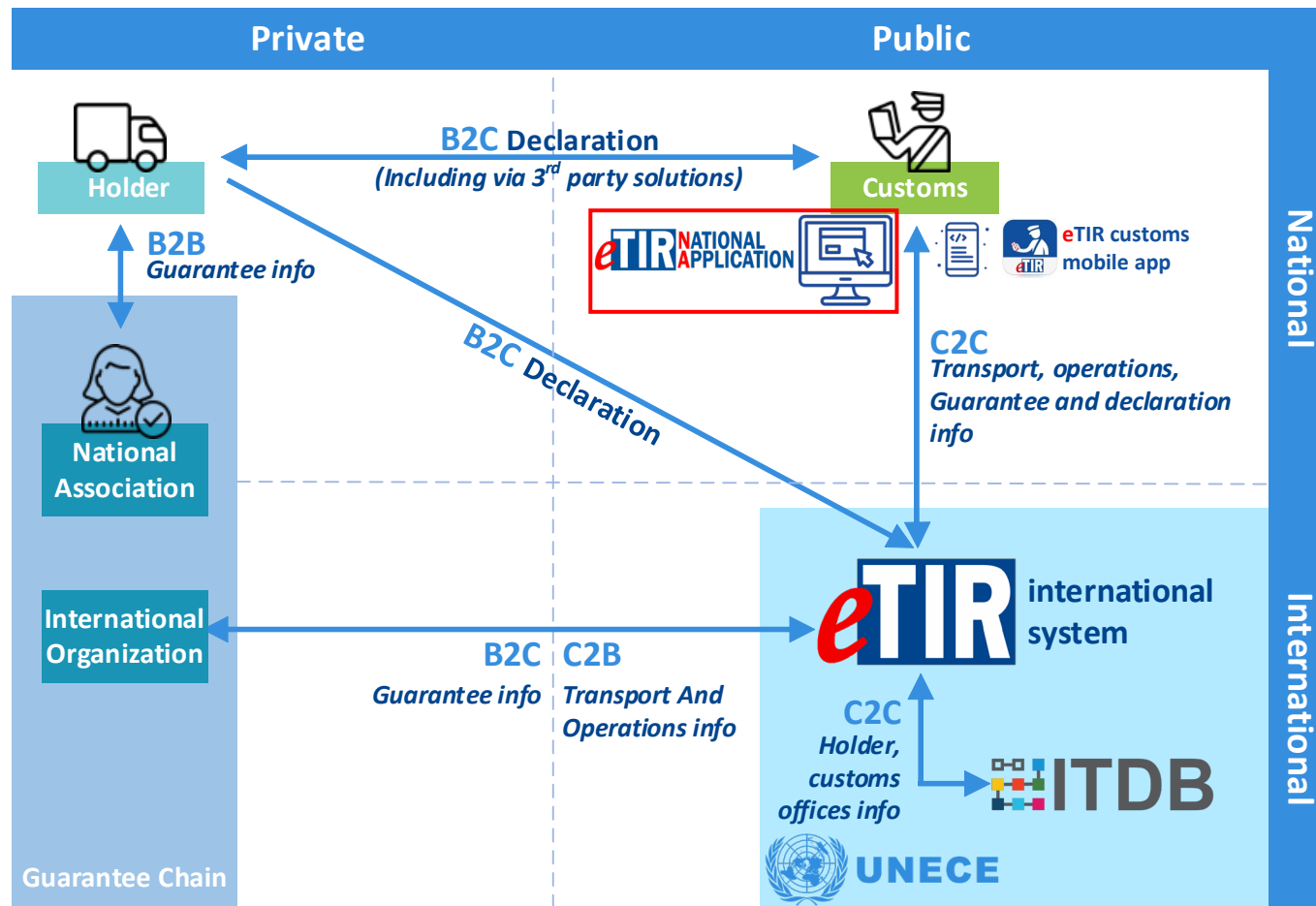
<https://lnkd.in/e-YGAT8k>
<https://lnkd.in/eTyVBibr>



eTIR National Application (1/3)



- Allow customs officers to
 - Access eTIR transport information
 - Receive eTIR messages (advance TIR/amendment data, notification, ...)
 - Send eTIR messages to record TIR procedure completions.
- Accessible via :
 - eTIR National Application** 
- Full based on existing eTIR messages and procedure.
- Compliant with eTIR conformance test requirements.



eTIR National Application (2/3)



- eTIR interactions: send and receive all eTIR messages related to customs
- Internationalization: Ease to add any new languages
- Integration:
 - with eTIR:
 - eTIR transport data
 - TIR operations
 - with ITDB:
 - TIR Carnet Holder status
 - Customs offices data
 - Customs sealings and stamps data
 - Authentication (optional)
 - with national customs system
 - Authentication (optional)
 - Advance TIR data via API
- Mandate: Annex 11
- Funding: UN Development Account

The image shows two parts of the eTIR National Application. On the left is a screenshot of the application's login page. It features the 'eTIR NATIONAL APPLICATION' logo at the top, followed by the 'REVENUE SERVICE' logo. Below that, it identifies the user as 'Customs Department of the Revenue Service of Georgia'. A 'Sign in with ITDB' button is visible, accompanied by a small ITDB logo. On the right is a promotional graphic with a dark background, a globe, and a 'STOP' sign. The text reads: 'Working with you eTIR National Application Turning borders into bridges'.

eTIR National Application (3/3)



REVENUE SERVICE **eTIR NATIONAL APPLICATION**

Transports Associations Account

Customs office: GE99999 - Sarpi Test

TIR Transports

Search Browse

Search TIR Transport:

TIR Transports

Search Browse

Guarantee ID	Status	Holder ID	Transport itinerary	National itinerary
GE-yqGFzx7M42	In country	GEO/054/022	+ GE - TR	69010 69014
GE-yqGFzx7N41	Incoming	GEO/054/022	+ GE - TR	GE000040 GE000610

TIR transport detail

Back

Itinerary

GE → TR

69010 Consignment 1 - (GE,TR) TR001251

TIR operations

#	Country	Operation ID	Description	Departure/Entry	Destination/Exit	Start	Termination	Discharge
1	GE	Op-ID-1	1	69010	69014	✓	✓	✓

TIR transport data

Declarations Advance data

General information

Date/Time: Sun, 22 Nov 2020 09:33:46 UTC
 Guarantee: GE-yqGFzx7M42
 Holder ID: GEO/054/022
 General remarks: content

Total number of consignments: 1
 Total gross weight:
 Agent:
 Carrier(s):
 National references: TR - N/A

Consignments - #1

From: 69010 To: TR001251

START Operation

1 Accept 2 Declaration 3 Start

As the departure country, the following steps are required to start this operation:

- Record the declaration

Record declaration

General information

Date/Time: Sun, 22 Nov 2020 09:33:46 UTC
 Guarantee: GE-yqEKzx7N37
 Holder ID: GEO/054/022

Total number of consignments: 1
 Total gross weight:
 Agent:
 Carrier(s):
 National references:

69010
69014
GE000040
GE000610
GE000040
GE000610
GE01
GE02
GE01

Any question ?

Thank you!

More information on eTIR here:



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