TIR Secretariat ICT tools presentation

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

UNECE

Presentation outline

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

TIR applications landscape

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eTIR international system

[web services]

TIR transactional data application used by **all eTIR stakeholders (systems)**

ITDB

[web/mobile application]

TIR (reference) data repository updated and used **mainly by customs authority (as well as national associations)**

Mandatory to use eTIR

eTIR PORTAL

[web/mobile application]

Web portal used by **TIR Carnet holder/transporters** to check their ITDB data and interact with eTIR I.S.

eTIR National Application

[web application]

Web portal used by **customs officers** interact with eTIR I.S.

Optional/ facilitation to use eTIR

eTIR international system

- Heart of the eTIR ssystem 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?**
  - → Developped and supported by the UNECE TIR secretariat
  - → Controlled by the TIR Executive Board

ITDB in number

General ITDB data status

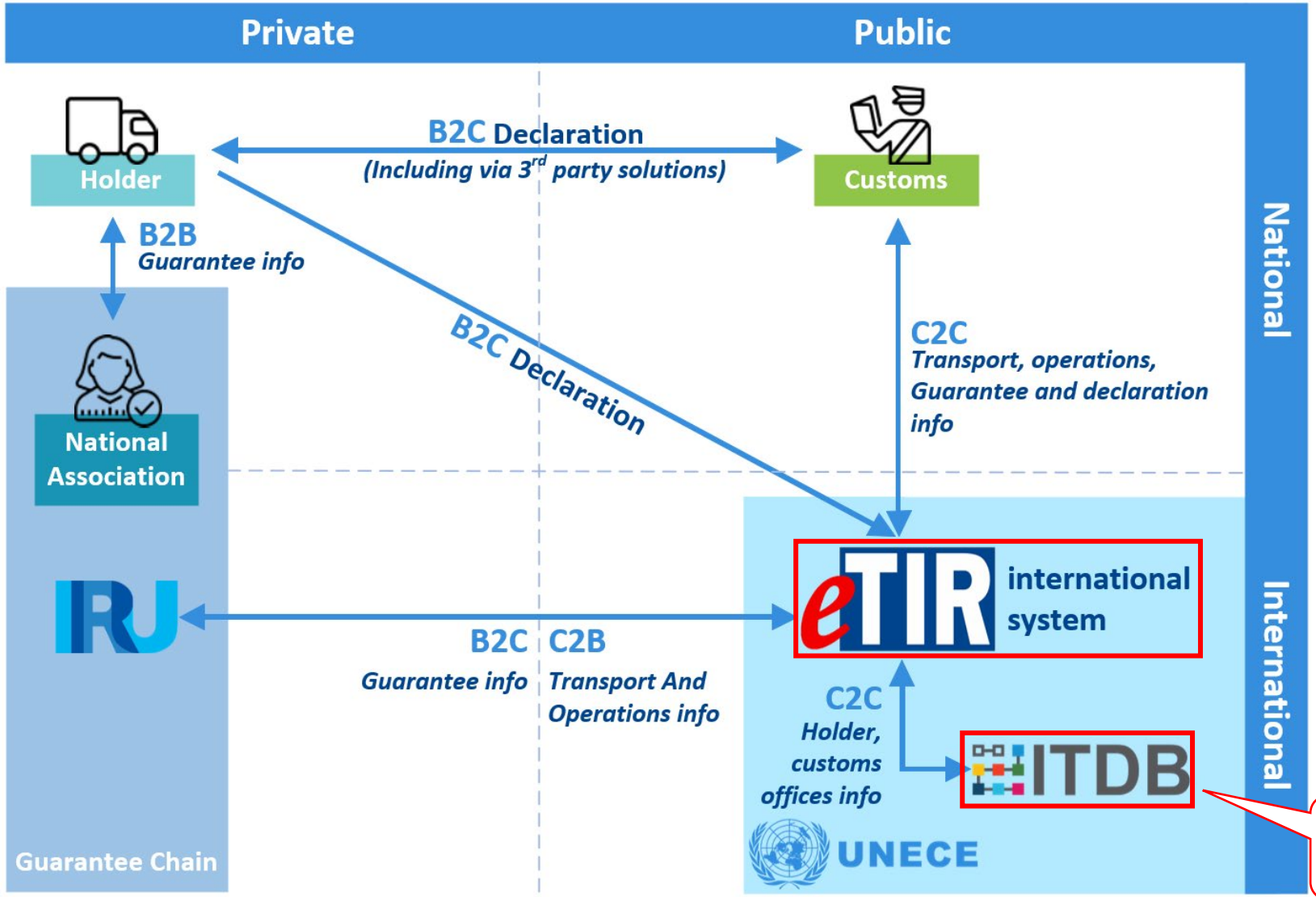
- 1,170 web application users *(since 2018)*
- 29,663 authorized holders
- 276 stamps and seals records
- 2,851 TIR customs offices

(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



ITDB web application

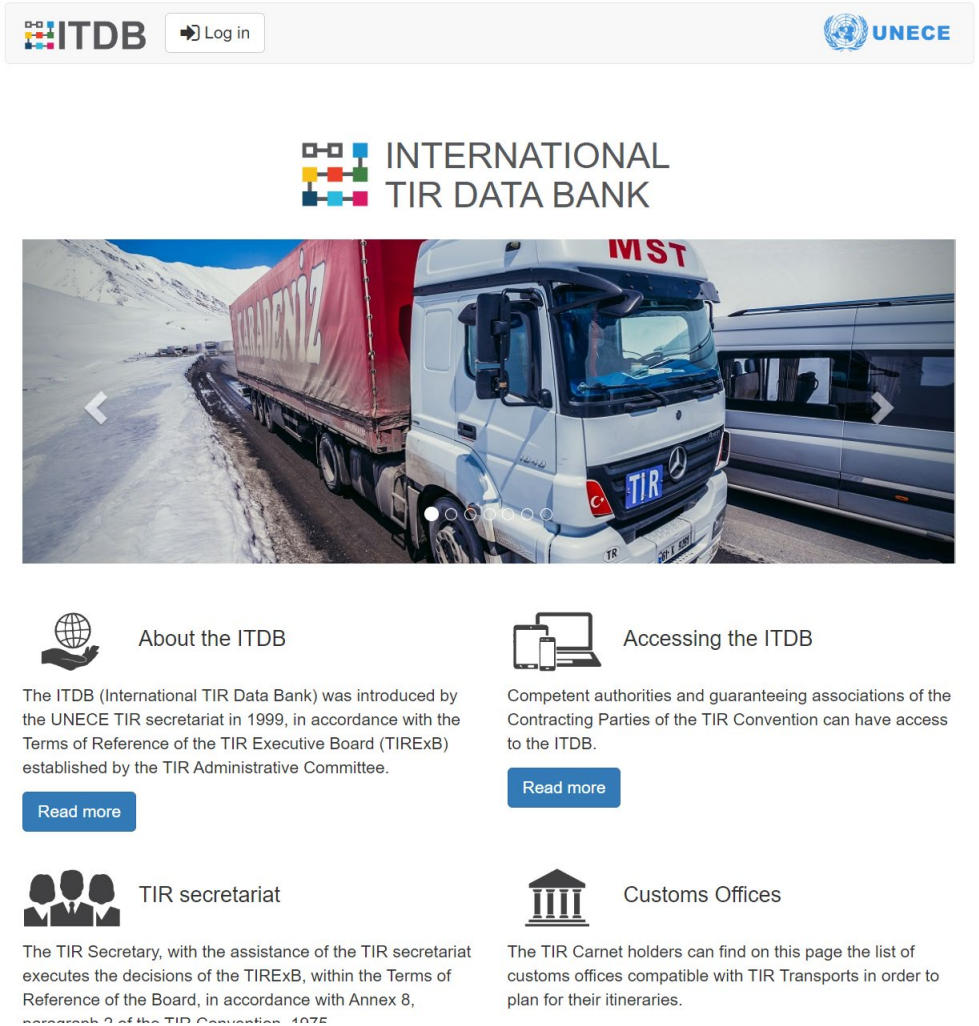
- URL: https://itdb.unece.org
  - Available in 7 languages (BG, CZ, EN, DE, FR, PL, RU)

- 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



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

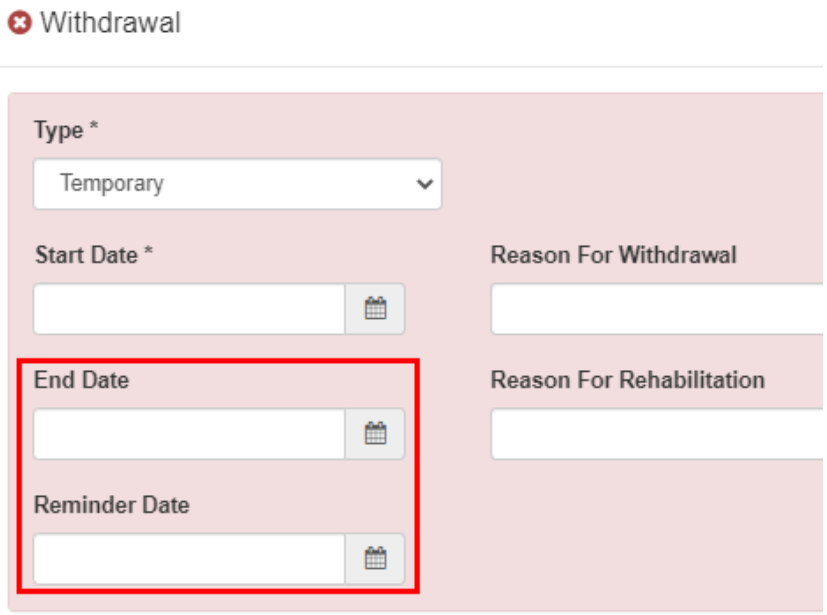
(a) The moment a change happens in ITDB (exclusion, withdrawal, new TIR Carnet holder registered etc.), an email notification will be sent ~~automatically~~ to the relevant customs **(at their discretion)**, national associations, TIR Carnet holders and IRU **in as far as related to data to which any 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.



Automated sending of withdrawal and exclusion email reminders

- 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)
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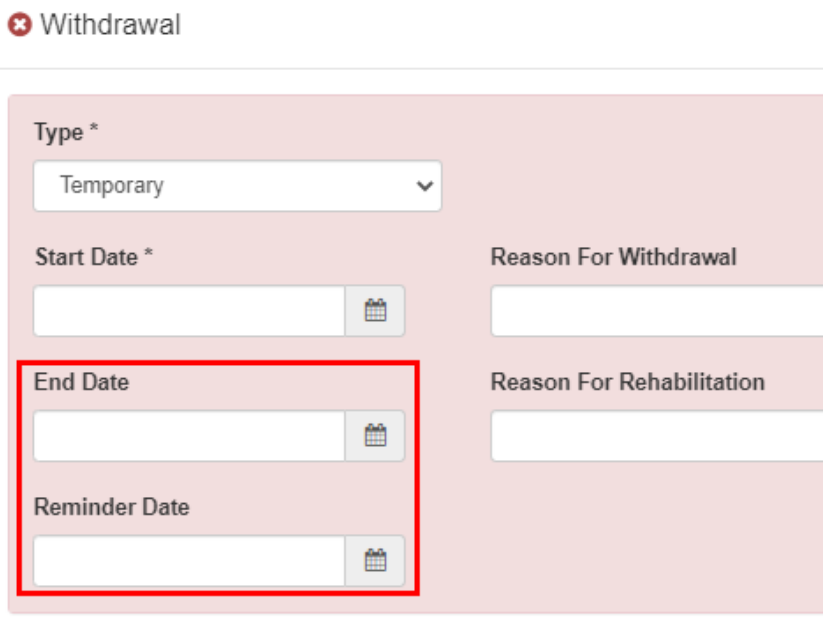
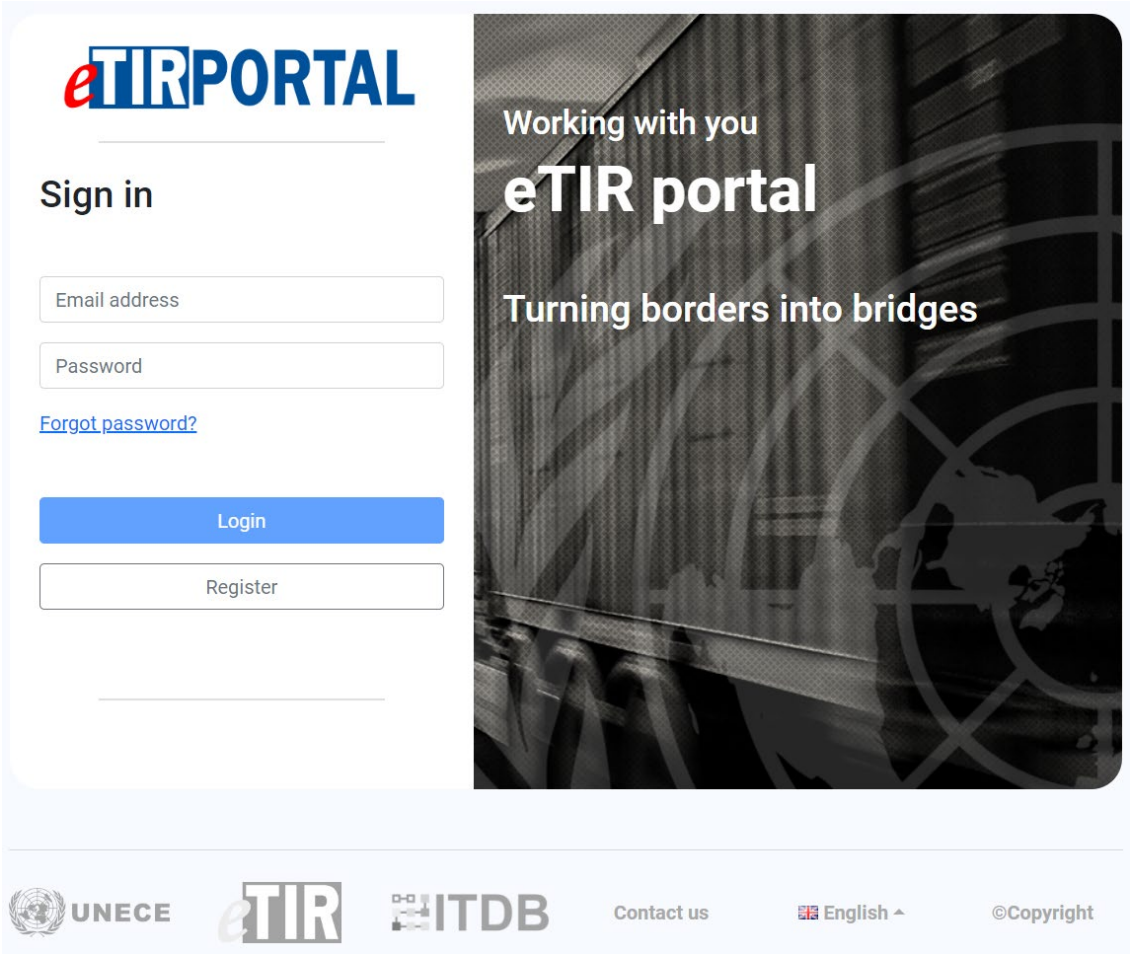


eTIR Portal (1/4)

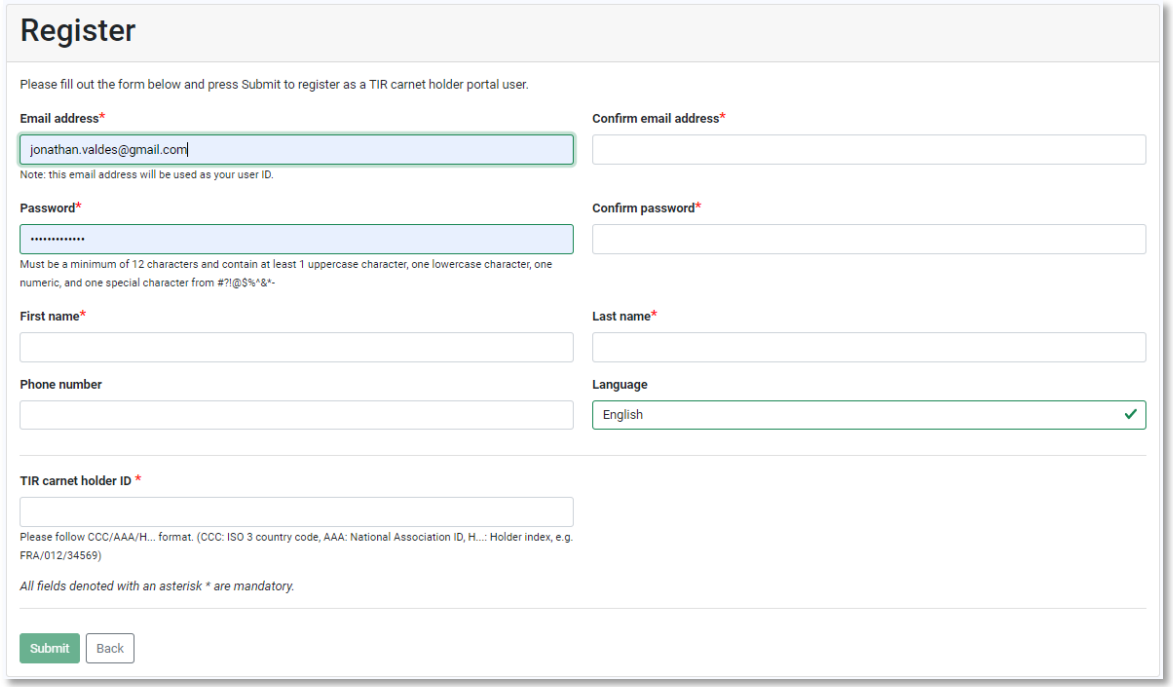
- Functional specifications described in document ECE/TRANS/WP.30/AC.2/2020/18/Rev.1 para 17 (c)
- eTIR portal
  - Simple and mobile friendly web application to allow holder personel to consult the TIR Carnet holder status currently recorded ITDB
  - Holder interface to eTIR international system to submit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

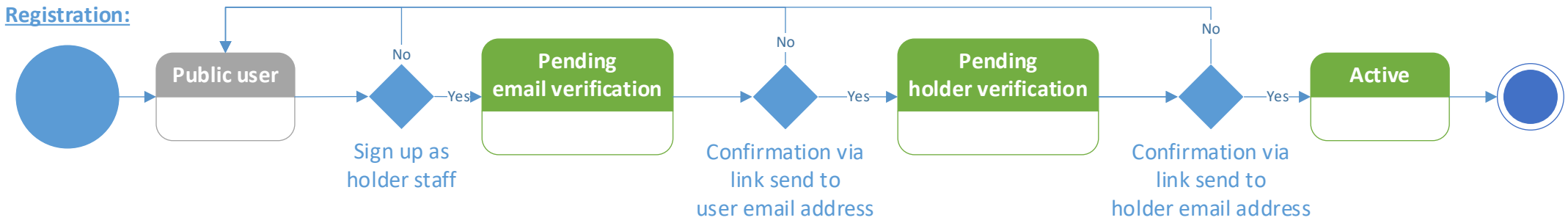


(ii) As a first step, a web page will be developed where TIR Carnet holders will be able to register in ITDB and have immediate access to their profile. TIR Carnet holders will be issued credentials to access this web page in the form of username / password, as is currently the case for other read-only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

eTIR Portal (2/4)

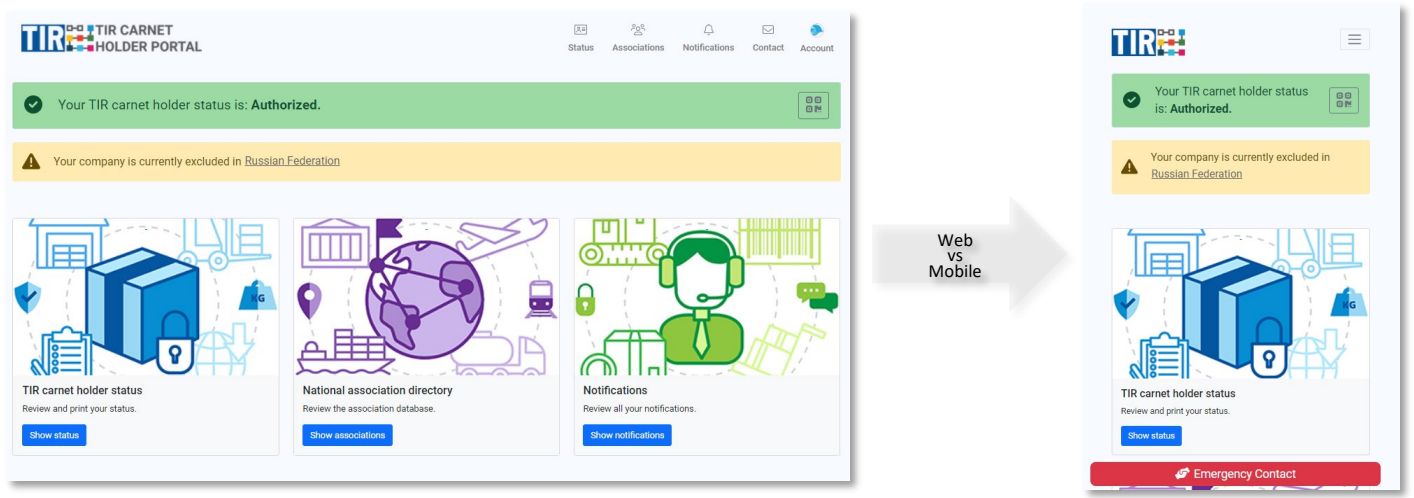
- Secured access with 2 step registration validation

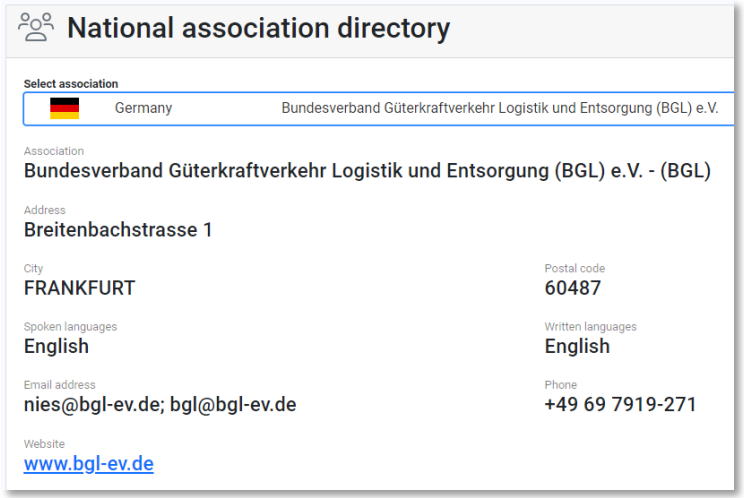


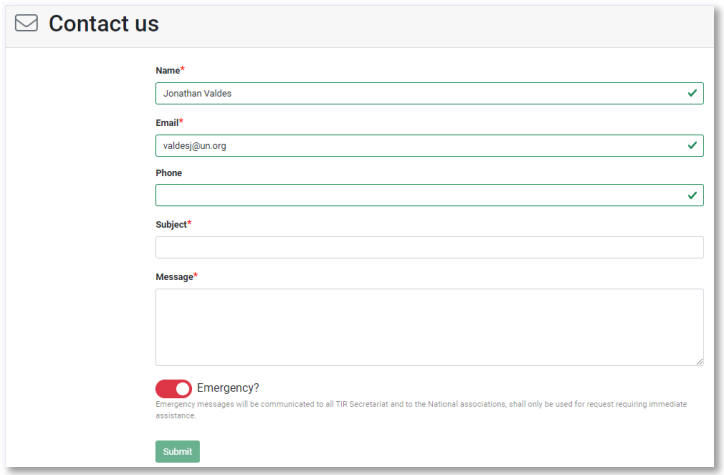


eTIR Portal (3/4)

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

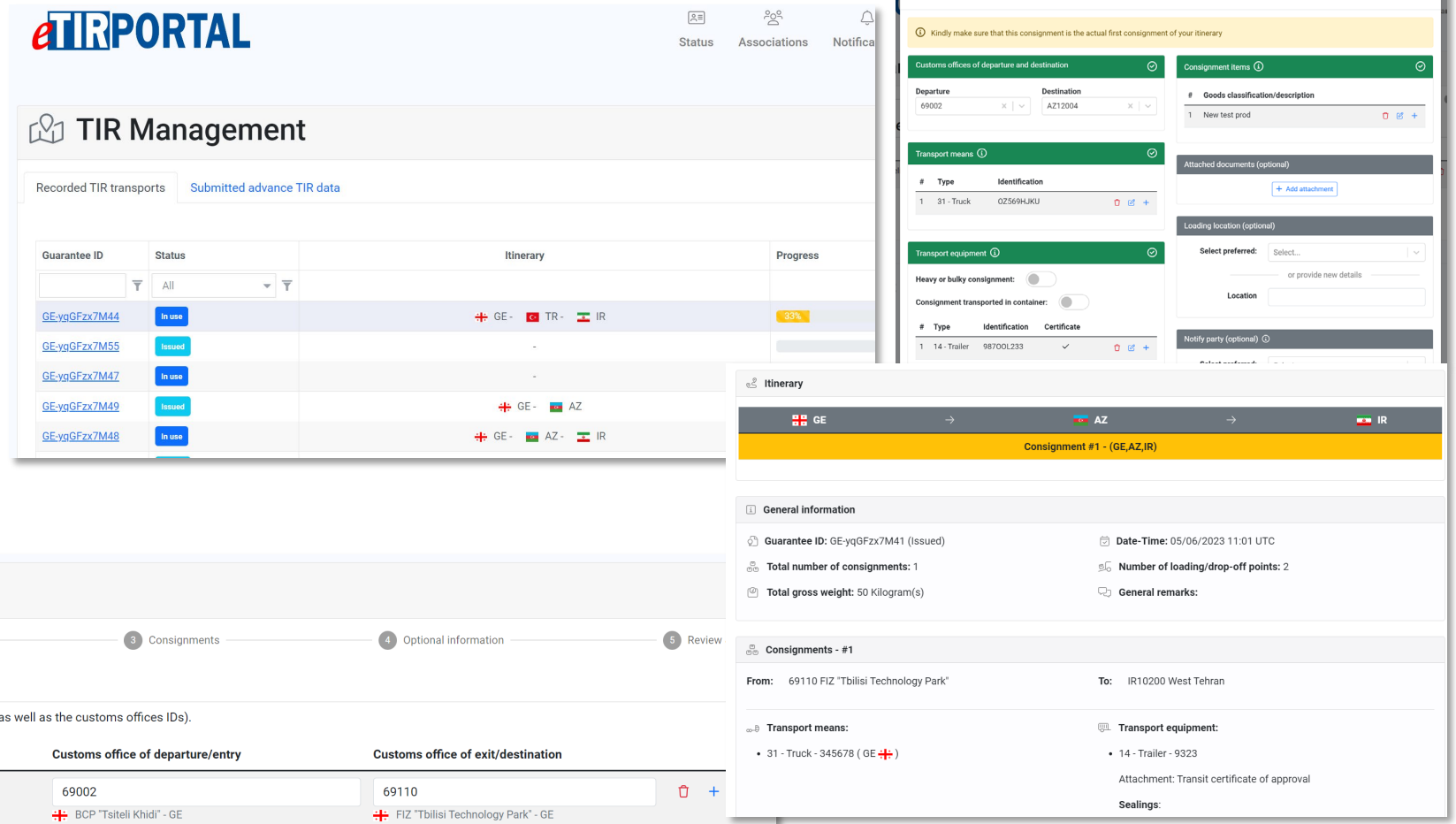






eTIR Portal (4/4)

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



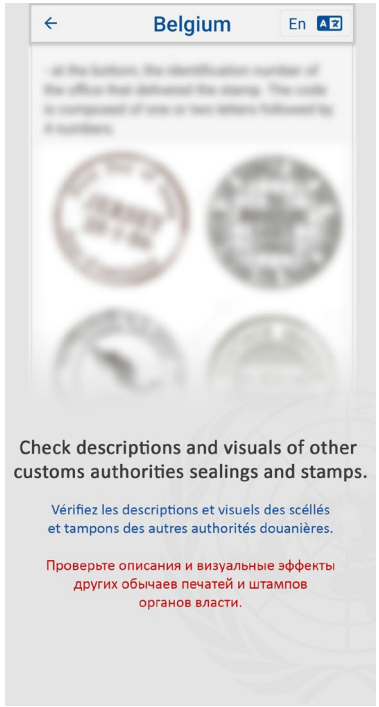
eTIR Customs and eTIR Holder mobile apps

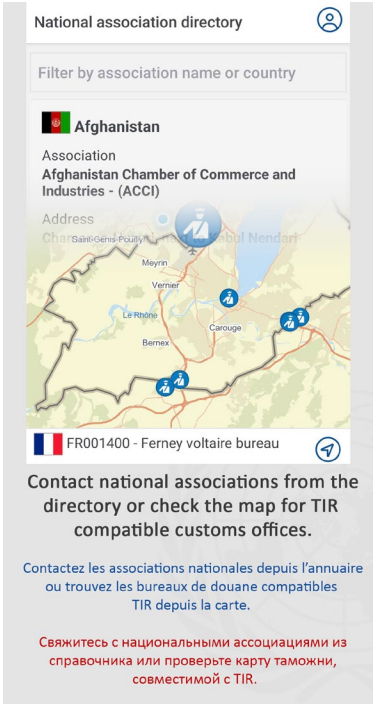
- Functional specifications described in document ECE/TRANS/WP.30/AC.2/2020/18/Rev.1 para 17 (c)
- ITDB/Customs officer mobile application and TIR Carnet holder mobile application
  - Simple mobile application allowing to use respectively ITDB and the TIR Carnet holder eTIR portal main features via mobile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

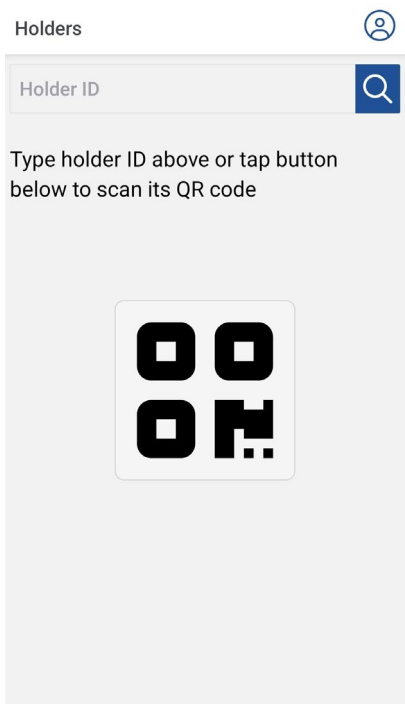
Access the mobile apps ☞

Google Play https://lnkd.in/e6A76bxw https://lnkd.in/exevsxHM

App Store https://lnkd.in/e-YGAT8k https://lnkd.in/eTyVBibr



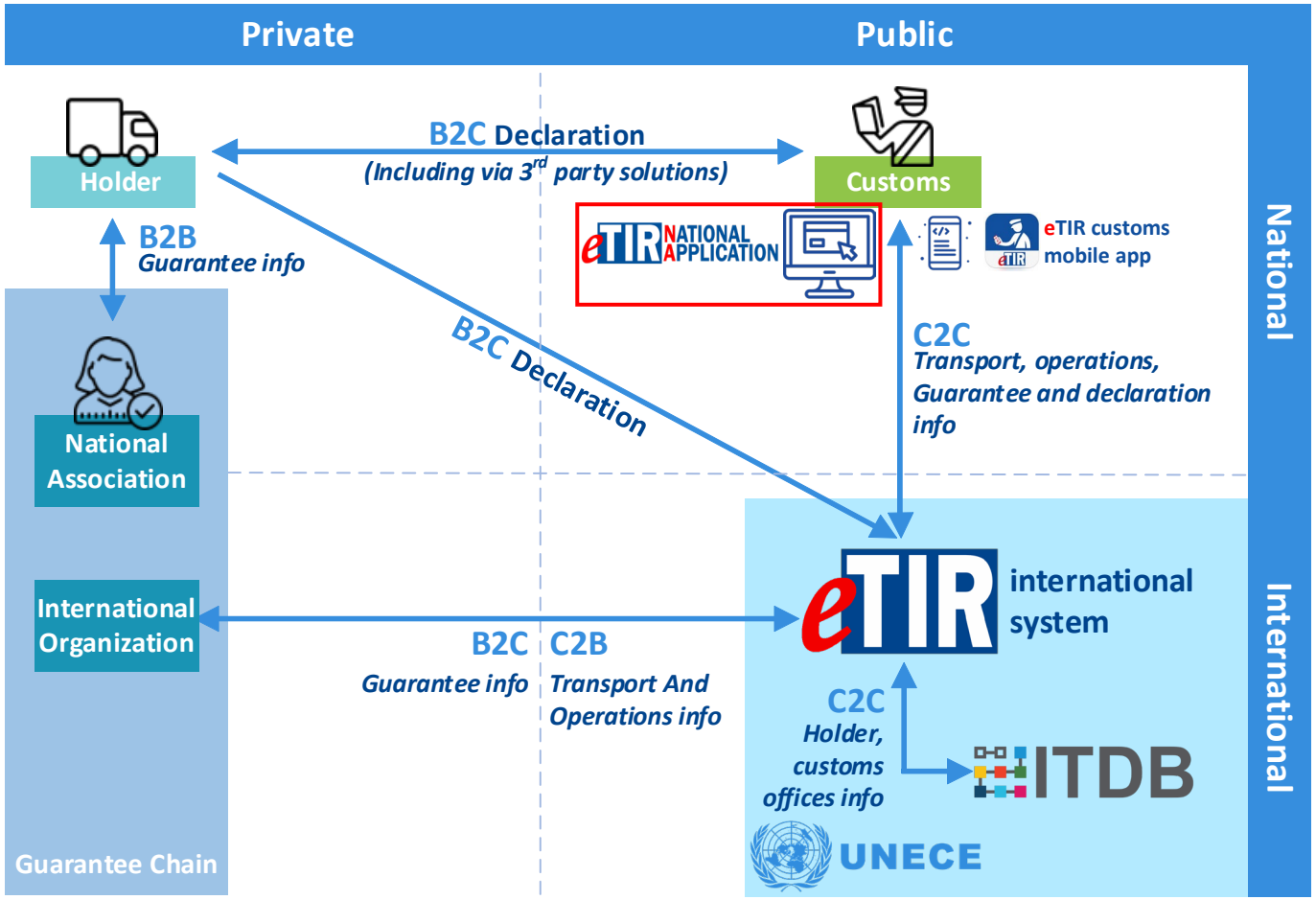




eTIR National Application (1/3)

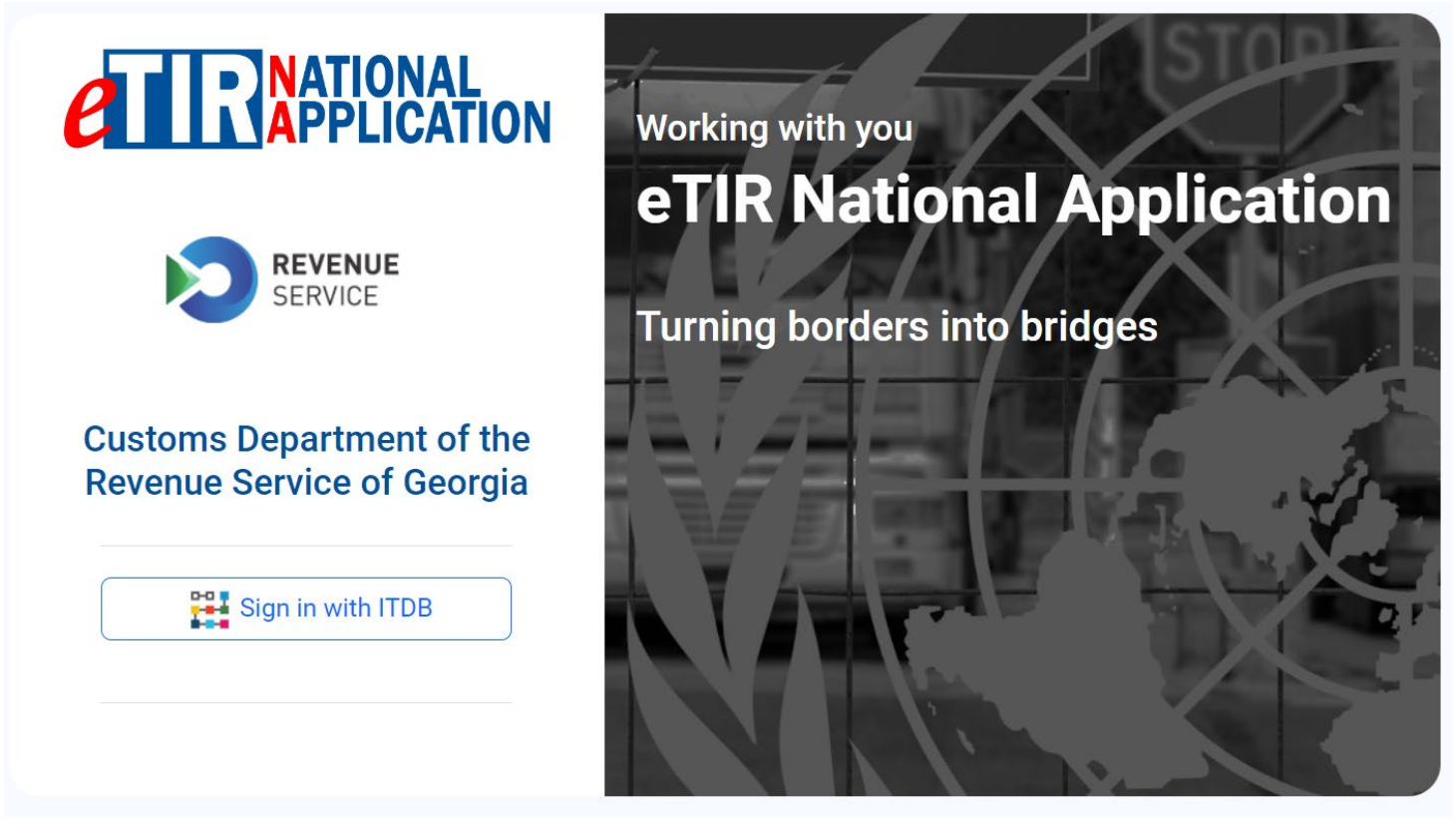
- Allow customs officers to
  - Access eTIR transport information
  - Receive eTIR messages (advance TIR/amendment data, notification, …)
  - Send eTIR messages to record TIR procedure completions.
- Accessible via :
  - **eTIR National Application**

- Full based on existing eTIR messages and procedure.
- Compliant with eTIR conformance test requirements.

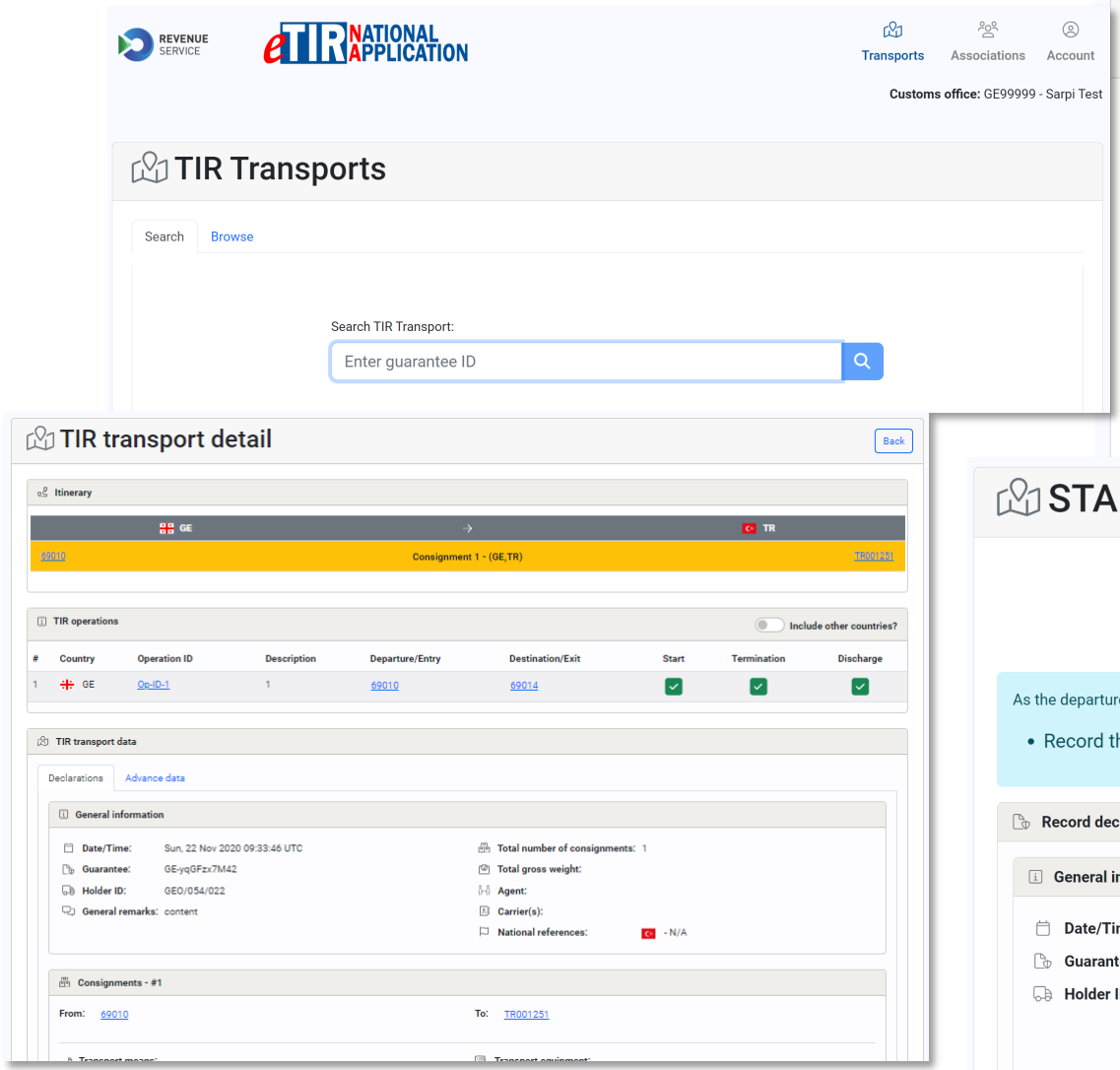


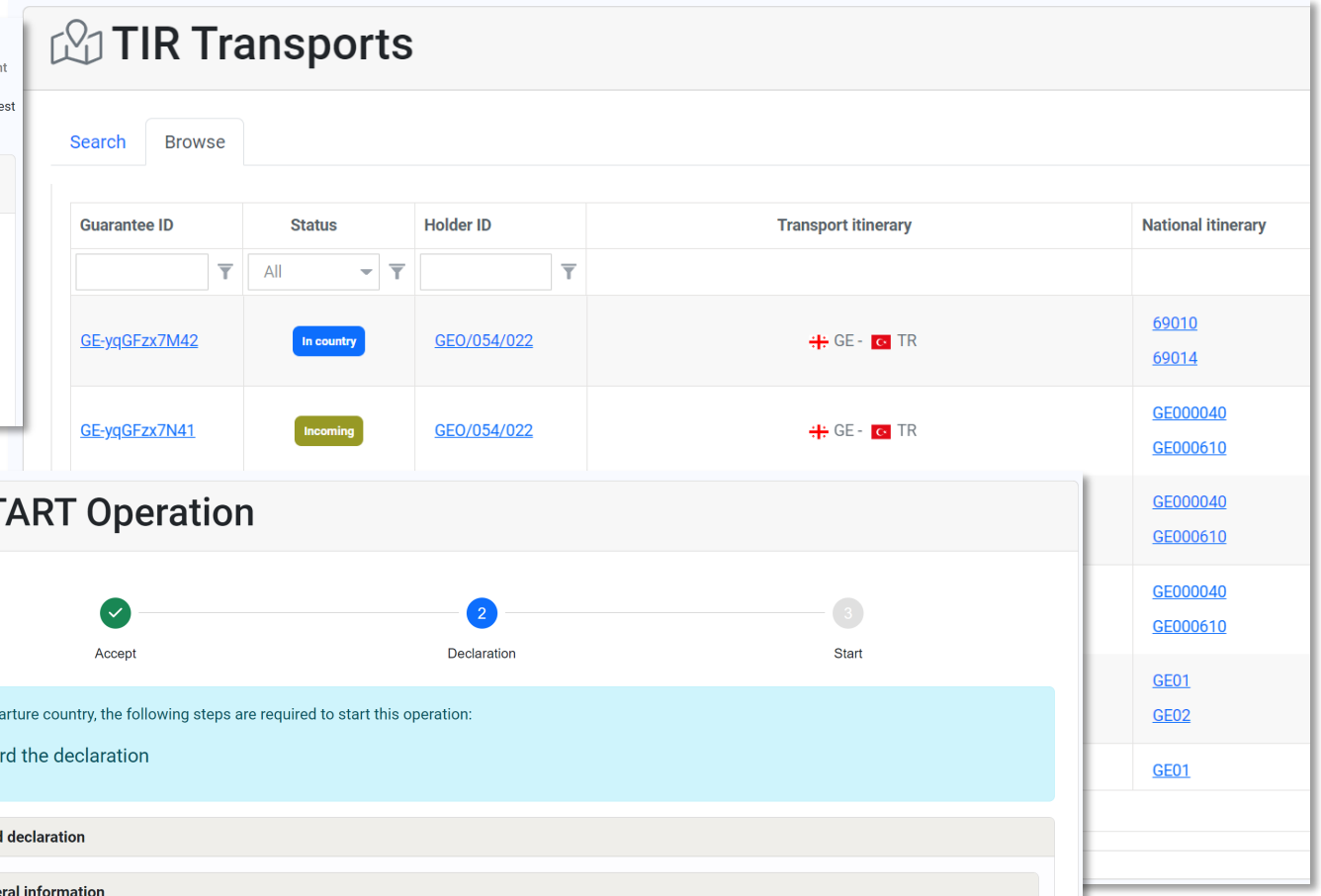
eTIR National Application (2/3)

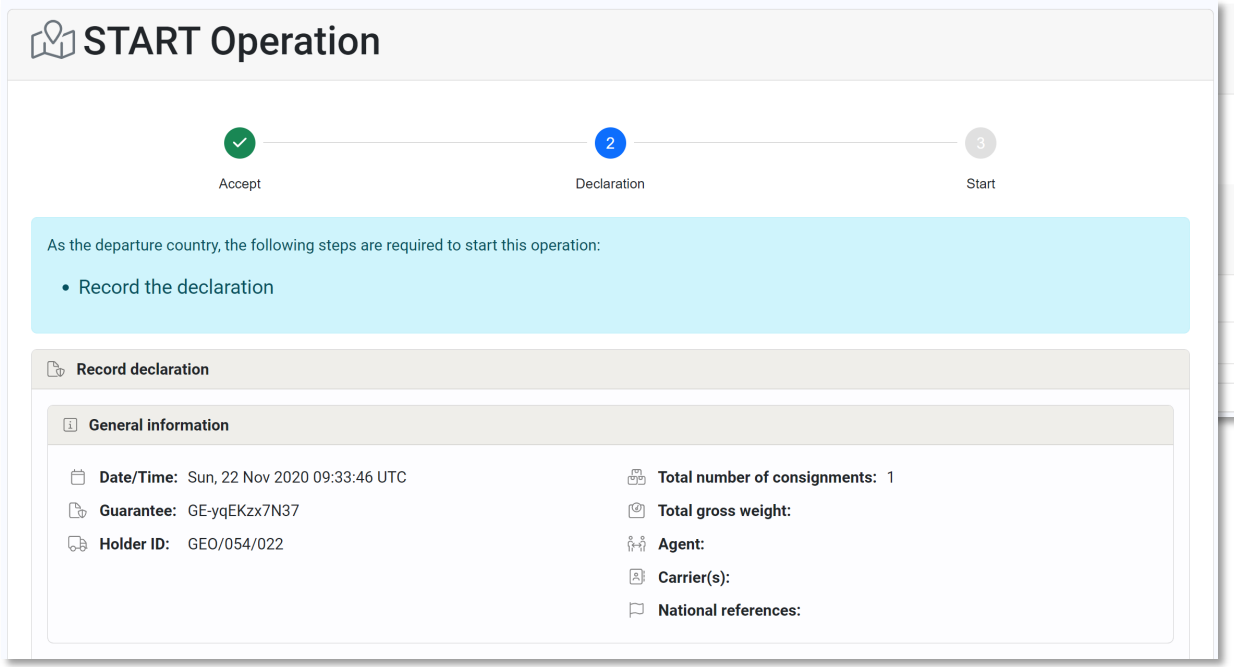
- eTIR interactions: send and receive all eTIR messages related to customs
- Internationalization: Ease to add any new languages
- Integration:
  - with eTIR:
    - eTIR transport data
    - TIR operations
  - with ITDB:
    - TIR Carnet Holder status
    - Customs offices data
    - Customs sealings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



eTIR National Application (3/3)







Any question ?

Thank you!

More information on eTIR here:

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