Computerisation of TIR

Dushanbe, 19 May 2015
The TIR System is hosted in the most secure hosting facilities in Switzerland

- IRU systems are hosted in two highly secure Swisscom data centers
- Located in Bern in the heart of Switzerland
- 24/7 monitoring and operations
- Guaranteed business continuity
- Green IT
TIR is computerized and includes risks management systems.
Real-Time SafeTIR (RTS)

- Starting from 1990s: geopolitical changes with high increase in trade volumes and in TIR transport risk increase for TIR guarantee chain.

- October 1995: Administrative Committee for the TIR Convention adopted a Recommendation which set out an electronic control system for TIR Carnets.

- August 2006: this control system – SafeTIR, was included in the TIR Convention as Annex 10.

- Secure real-time guarantee check
- SafeTIR data transmission
- Data reconciliation
- 20 connected countries
RTS – geographic coverage

20 RTS countries
1. Azerbaijan
2. Belarus
3. Belgium
4. Bosnia and Herzegovina
5. Bulgaria
6. Georgia
7. Iran
8. Kyrgyzstan
9. Kazakhstan
10. Latvia
11. Macedonia
12. Moldova
13. Morocco
14. Russia
15. Serbia
16. Turkey
17. Ukraine
18. Uzbekistan
19. Finland
20. France

In implementation:
Poland
Italy

Next priorities:
Armenia
Tajikistan
### RTS in the region

#### Negotiation stage: Tajikistan

<table>
<thead>
<tr>
<th>Country</th>
<th>Safe TIR</th>
<th>0 days</th>
<th>3.8 days</th>
<th>0.3 days</th>
<th>2.7 days</th>
<th>21.8 days</th>
<th>40.7 days</th>
<th>2.1 day</th>
<th>0.3 days</th>
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<tbody>
<tr>
<td>Afghanistan</td>
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<td>Kazakhstan</td>
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<tr>
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</tr>
<tr>
<td>Turkey</td>
<td>2.1 day</td>
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</tr>
<tr>
<td>Uzbekistan</td>
<td>0.3 days</td>
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</tbody>
</table>

**RTS countries**
TIR Customs Portal

Accessible by all customs officers via the internet from anywhere in the world

Fallback solution to Real-Time SafeTIR

Up-to-date guarantee status

Consultation of TIR guarantee information

Submission of SafeTIR data
Advantages of Real-Time SafeTIR

- **Automatic** check of TIR carnets validity
- **Reduced resource intensive activities**
- **Faster** TIR-related customs operations
- **Enhanced cargo throughput** performance at borders
- **Prompt reaction to irregularities** occurred
- **Enhanced safety and security**
IRU TIR-EPD - a tool for submitting advance information on goods

**Advance declaration is mandatory**

- EU – from 2009
- Customs Union (Belarus, Kazakhstan, Russia)
- Ukraine *(transport data to be submitted electronically)*
- Iran
- Expected soon – in Turkey

**TIR- EPD satisfies the requirements of all Customs Authorities, connected to TIR-EPD**
31 TIR-EPD countries present:
- 98% of all issued TIR Carnets
- 95% of all TIR terminations
TIR-EPD in the region

Negotiation stage: Tajikistan
Turkmenistan

TIR-EPD countries
TIR-EPD vs TIR Carnet

TIR-EPD = TIR Carnet + additional information
(in compliance with all national requirements)

Data received by customs:

- HS codes
- Goods description
- Weight
- Package type and quantity
- Itinerary
- Vehicle details
- Driver’s details
- Cost of goods
- Etc.
TIR-EPD – advantages for **Customs**

- No need of manual data entry
- Automatic validity check against IRU database
- Only *authorised* TIR Holders can submit information on only *valid* TIR Carnets
- Identical information is sent to all countries
- Possibility to take into account all customs requirements
- **Advance declaration**
  - Advance risk analysis in line with WCO SAFE Framework of Standards
TIR-EPD – advantages for transport operators

Free of charge – no need of brokers’ services

Confidentiality – no access to company’s information by a 3rd party

Only with TIR-EPD: advance information is sent in one click to all countries of itinerary

Only with TIR-EPD: user interface in national languages

Accessible via Internet from any place

Faster and simpler customs procedures at the border
Saving time and money
Higher competitiveness for a company
eTIR pilot: MoU signed with UNECE on 24 March 2015, final technical work ongoing with Iran and Turkey
Ready to go live @IRU

TIR Holder:
Order an eGuarantee online

Association:
Approve and issue the eGuarantee

TIR Holder:
Pre-declare the transport and GO!
TIR-EPD: user-friendly interface for operators

https://tirepd.iru.org/
https://demo-tirepd.iru.org/
Before arrival of the Truck to Customs: data registration

- Holder fills in Electronic Advanced Cargo information and provides it to Customs (EPD015)
- Customs confirm the receipt of the electronic data (EPD928)
- Customs allocate the Transportation Reference Number (EPD028)

Risk assessment and decision is made!
At Customs of departure / entry: Release for transit

- Holder presents documents and pre-information reference number to Customs Officer
- Automatically Customs system checks the status of the TIR Carnet (RTS TCHQ)
- Customs validates electronic data against paper–based documents
- Goods are released for transit (EPD029)
Customs of Entry

Country A

IRU

Customs of Entry

Customs System

Customs of Destination

- Electronic data becomes available in the Customs Office of destination
- Holder presents the documents to Customs Officer
- Customs checks the status of the TIR Carnet in Real - Time (RTS TCHQ)
- Upon completion of the customs clearance procedures the TIR Carnet (RTS WSST) termination record is transmitted to the IRU
- Discharge record is transmitted to the IRU (EPD045)
<table>
<thead>
<tr>
<th>Category</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardware</td>
<td>No additional hardware required</td>
</tr>
<tr>
<td>Software</td>
<td>SafeTIR Client</td>
</tr>
<tr>
<td></td>
<td>TIR-EPD Data Exchange System</td>
</tr>
<tr>
<td>Internet access</td>
<td>High speed internet connection</td>
</tr>
<tr>
<td>HR requirements</td>
<td>1 or 2 IT experts</td>
</tr>
<tr>
<td>Time required</td>
<td>1 to 3 months</td>
</tr>
<tr>
<td>IRU support</td>
<td>Technical support and assistance; consulting and source code examples</td>
</tr>
</tbody>
</table>
Green Lanes with TIR-EPD

without Green Lane

with Green Lane

Green Lane with TIR-EPD means:

- Selectivity of customs control based on advance risk assessment
- Facilitated and faster procedure for reliable transport.

TIR-EPD Green Window
Ak-Tilek, Kyrgyzstan
TRANSPark: going mobile!

Available:
- In 50 countries
- In 9 languages

Featuring:
- Safe parking locations
- Driver community
- News flash
- Coming soon:
  - Low emission zones
  - Fuel stations
  - and more…