IT Tools in TIR / eTIR pilot

Thierry Kunz, Head of IT, IRU
Risk management tools used in the TIR procedure to secure data exchange

Electronic pre-declaration (EPD):
- Consignor
- Consignee
- Itinerary
- Transport means
- Goods manifest

Customs reply with an MRN
Customs Request to RealTimeSafeTir Web service:

- Guarantee details
- Validity
- Guarantee number
- Issuing Association
- TIR holder Id
- Customs information (all release for transit messages previously transmitted by Customs of departure / entry, when available)
- Discharge information (all Discharge messages previously transmitted by Customs, when available)
- Update seals information (all Update seals messages previously transmitted by Customs, when available)
- Customs operation (termination information-when available)

Customs send Release for transit
Risk management tools used in the TIR procedure to secure data exchange
Risk management tools used in the TIR procedure to secure data exchange

Customs Request to RealTimeSafeTir Web service:

- Guarantee details
- Validity
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Risk management tools used in the TIR procedure to secure data exchange

Customs discharge

Final Termination

Map showing locations in Turkey, Iran, and surrounding countries.
IT Tools
TIR Holder Portal
https://tirepd.iru.org

- Fully secure (inc. central DB check)
- Free of charge
- Data import
- Commercial data kept confidential
- EPD sent simultaneously to all countries
- Multilingual user interface
- Accessible via the internet from anywhere in the world
- 32 connected countries
TIR-EPD Geographic Scope

- 32 TIR-EPD countries
- 98% of all issued TIR Carnets
- 95% of all TIR terminations

TIR-EPD Submission

- 2009: 16,844
- 2010: 52,242
- 2011: 74,199
- 2012: 254,013
- 2013: 568,763
- 2014: 780,981
- 2015: 691,160

TIR-EPD submission
Real-Time SafeTIR Key Features & Benefits

- Secure real-time guarantee check
- SafeTIR data transmission
- Data reconciliation
- Secured web services
21 countries implemented RTS

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

In progress:
Italy

Next countries
Armenia
Tajikistan

80% of SafeTIR data is transmitted by RTS

<table>
<thead>
<tr>
<th>Year</th>
<th>2011</th>
<th>2015</th>
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<tr>
<td>Average transmission delay for SafeTIR information</td>
<td>4, 4 days</td>
<td>1,7 days</td>
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Key benefits of using RTS and TIR-EPD for customs authorities

- RTS and TIR-EPD are directly integrated into customs IT systems
- Customs authorities do not need to use any application or interface other than their own IT systems
- Proven reliable and efficient way of exchanging information
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
- Submission of EPD responses
Security of the IT systems
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
Security of the data exchange

- Secured connection to applications (https, SSL)
- Secured web service exchange (web security)
- Authentication of users to whom the access to applications is granted