



# TR-eTIR

Computerization of TIR Procedure  
TCA approach

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# Outlines

TR-eTIR Objectives

Main principles

Cloud implementations

eTIR carnet usage DEMO

Expected evolution

Relation with other systems

Main Advantages



# Main objectives

- Improvement of efficiency and quality of TIR procedure
- Decrease the risk of fraud and improvement of security
- Facilitation of data exchange between TIR procedure actors



# Main principles

- Minimum changes in legislation
- Improvement and not replacement
- High availability and transparency
- Paper TIR carnet and eTIR coexistence
- eTIR operation similar with TIR on paper
- Objectives of UNECE eTIR project fulfilled

**VOUCHER N° 1** PAGE 1 of TIR CARNET No. **No**

1. Customs office of departure 1. Trabzon	2. Country Turkey	3. Name of the international organization IR - International Road Transport Union	4. Name of the international organization TIRKSPED MEHMET FIR Mülhelerarı Nakliyat A.Ş. Merkez Mah. Değirmenbahçe Sok. No:19 Yenibosna Bakırköv İSTANBUL TUR-042/8
5. Country of destination Turkey	6. Country of destination Switzerland, Germany	7. Registration No(s) of road vehicle(s) 24 TH 45	8. Documents attached to the manifest CM 001 of 0.05.2003 CM 002 of 0.05.2003 CM 003 of 0.05.2003 CM 004 of 0.05.2003
9. (a) Load compartment(s) or container(s) (b) Name and no. of packages or articles AB 1 800 CD 1 500		10. Number and type of packages or articles; description of goods Trabzon Customs office For Bern: Towels, boxes, 800 packages For Freiburg: Linen, collars, 500 packages	11. Gross weight in kg 5600 2000
12. Total number of packages entered on the manifest Destination: 1. Customs office Trabzon 800 2. Customs office Freiburg 500 3. Customs office Identify (a) goods liable under control (Customs office of departure or of entry en route: Trabzon)		13. I declare the information in items 1-12 above to be correct and complete 14. Place and date Trabzon, 28.05.2003 15. Signature of holder or agent Stamp and signature (Trabzon)	17. Customs office of destination. Customs officer's signature and Customs office date stamp Stamp and signature (Trabzon)
19. Seals or identification marks found to be intact 20. Time-limit for transit 31.05.2003		21. Customs office of destination. Customs officer's signature and Customs office date stamp Stamp and signature (Trabzon)	

**COUNTERFOIL N° 1** PAGE 1 of TIR CARNET No. **No**

1. Accepted by the Customs office at Trabzon	6. Customs officer's signature and Customs office date stamp
2. Under No. 006494	
3. Seals or identification marks applied One seal No. 11	
4. <input type="checkbox"/> Seals or identification marks found to be intact	
2. Under No. 006494	
3. Seals or identification marks applied One seal No. 11	
4. <input type="checkbox"/> Seals or identification marks found to be intact	

http://localhost:30815/eTIR/Voucher1.aspx - Windows Internet Explorer

http://localhost:30815/eTIR/Voucher1.aspx

VOUCHER No 1 Page 1 of TIR CARNET No. **No**

2. Customs office(s) of departure	3. Name of the international organization
4. Holder of the carnet (name, address and country)	5. Documents attached to the manifest
6. Documents attached to the manifest	
7. Registration No(s) of road vehicle(s)	
8. Documents attached to the manifest	
9. (a) Load compartment(s) or container(s) (b) Name and no. of packages or articles	
10. Number and type of packages or articles; description of goods	
11. Gross weight in kg	
12. Total number of packages entered on the manifest Destination: 1. Customs office Trabzon 800 2. Customs office Freiburg 500 3. Customs office Identify (a) goods liable under control (Customs office of departure or of entry en route: Trabzon)	
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4. <input type="checkbox"/> Seals or identification marks found to be intact	



# Cloud Implementations

- Same implementation and same access mode at
  - Company level
  - National Customs Authority
  - International level
- Data exchange using messages, transparent to users



# National Implementations





# Cloud Implementations





# Buy a TIR Carnet(out of Scope)



- TIR Carnet on Paper

IRU Union Internationale des Transports Routiers

**CARNET TIR\***

**14 vouchers** No.   

1. Valable jusqu'au / Valid until / Valid for the acceptance of goods by the Customs office of departure up to and including: 01.07.2003 inclus

2. Délivré par / Issued by / Union of Chambers of Commerce, Industry, Maritime Commerce and Handicrafts of Turkey (UCCIMCC) (nom de l'association émettrice / name of issuing association)

3. Titulaire / Holder / MEHMET MERKEZ KIM. DEĞERLENDİRME VE TİCARET A.Ş. (nom, adresse, pays / name, address, country) Merkez Kim. Değerlendirme Sok. No 19 Yeşilova Bahçesi İSTANBUL - TÜRKİYE

4. Signature of the issuing association and stamp of that association: \_\_\_\_\_

5. Signature of the Secretary-General of IRU: \_\_\_\_\_

Stamp and signature of UCCIMCC: \_\_\_\_\_

6. Pays de départ / Country of departure: Turkey



- TR-eTIR

http://localhost:30815/eTIR/CARNET\_TIR\_V1.aspx

Google Search Popups

IRU Union Internationale des Transports Routiers

**CARNET TIR \***

**14 vouchers** No. XB25000000 Page 0

1. Valable jusqu'au / Valid until / Valid for the acceptance of goods by the Customs office of departure up to and including: 11.11.2011 00:00:00 inclus

2. Délivré par / Issued by / SNECO1 (nom de l'association émettrice / name of issuing association)

3. Titulaire / Holder / Sineses (nom, adresse, pays / name, address, country) RO

4. Signature of the issuing association and stamp of that association: \_\_\_\_\_

5. Signature of the Secretary-General of IRU: \_\_\_\_\_

Stamp and signature of UCCIMCC: \_\_\_\_\_

- Actors
- Issuance and distribution chain
- National / International Associations
- Holders







# Use a TIR Carnet

- TIR carnet on Paper
  - Start
  - Start TIR operation
  - Departure
  - Termination
  - Discharge
- eTIR carnet
  - Start
  - Start TIR operation
  - Departure
  - Termination
  - Discharge

**Data exchange  
between actors**

# DEMO, eTIR data flow

http://localhost:30815/eTIR/Voucher1.aspx - Windows Internet Explorer

http://localhost:30815/eTIR/Voucher1.aspx

Cover Page Voucher 1

<b>VOUCHER No 1</b> Page _____		<b>TIR CARNET</b>	
2. Customs office(s) of departure		3. Name of the international organization	
1. _____ 2. _____ 3. _____		_____	
For official use		4. Holder of the carnet (name, address and country)	
_____		_____	
7. Registration No(s) of road vehicle(s)		5. Country/Countries of departure	
_____		6. Country/Countries of destination	
_____		8. Documents attached to the manifest	
_____		_____	
<b>GOODS MANIFEST</b>			
9. Article number, description or content(s) 20. Name and flow of packages or articles	10. Number and type of articles, description of goods	11. Gross weight in kg	12. Date of identification (month, number, year)
_____	_____	_____	_____
13. Total number of packages entered Number on the manifest Description	14. I declare the information in items 1-12 above to be correct and complete	17. Customs office of departure Customs office's signature and Customs office date stamp	
1. Customs Office 2. Customs Office 3. Customs Office	14. Place and date 15. Signature of holder or agent	_____	
16. Certificate for goods taken under control/Customs office of departure or of entry in route			

http://localhost:30815/eTIR/CARNET\_TIR\_V1.aspx - Windows Internet Explorer

http://localhost:30815/eTIR/CARNET\_TIR\_V1.aspx

IRU Union Internationale des Transports Routiers

**CARNET TIR \***

14 vouchers No XB25000000 Page 0

1. Valable pour prise en charge par le bureau de douane de départ jusqu'au 11.11.2011 00:00:00 inclus  
Valid for the acceptance of goods by the Customs office of departure up to and including

2. Délivré par SIVECO  
Issued by

(nom de l'association émettrice name of issuing association)

3. Titulaire SIVECO  
Holder

(nom, adresse, pays name, address, country)

4. Signature du délégué de l'association émettrice  
Signature of authorized official of the issuing association and stamp of that association:

5. Signature du secrétaire de l'organisation internationale  
Signature of the secretary of the international organization:

Signature of Secretary-General

of IRU

**Stamp and signature of UCCIMCCE**

(A remplir avant l'utilisation par le titulaire du carnet. To be completed before use by the holder of the carnet)

6. Pays de départ  
Countries of departure(1)

7. Pays de destination  
Countries of destination(1)

8. No(s) d'immatriculation du(des) véhicule(s) routier(s)(1)  
Registration No(s) of road vehicle(s)(1)

9. Certificat(s) d'agrément du(des) véhicule(s) routier(s)(1) et date(1)  
Certificate(s) of approval of road vehicle(s) (1) and date(1)

03.04.2011

10. No(s) d'identification du (des) conteneur(s)(1)  
Identification No(s) of container(s)(1)

11. Observations diverses  
Remarks

12. Signature du titulaire du carnet  
Signature of the carnet holder

\*Voir approval de la Commission TIR, 1971, élaborée sous les auspices de la Commission économique des Nations Unies pour l'Europe  
\*See approval of the TIR Commission, 1971, prepared under the auspices of the United Nations Economic Commission for Europe



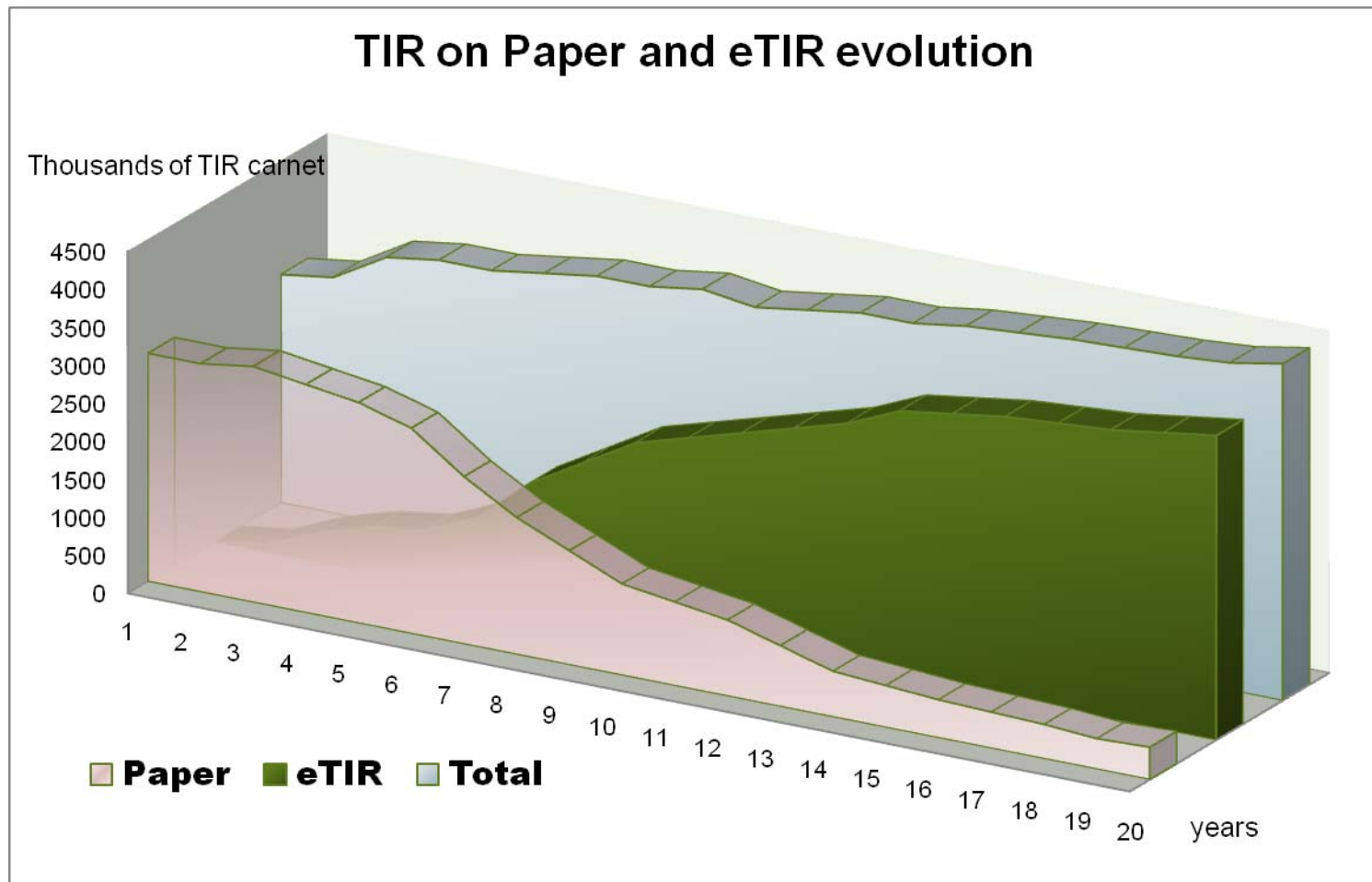
# Use eTIR Messages

```
<?xml version="1.0" encoding="utf-8" ?>
- <MessageI09 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd=""
  <SenderIdentification>11TR12345678</SenderIdentification>
  <Type>952</Type>
  <SubType>I09</SubType>
  <MessageReferenceNumber>11TR4630</MessageReferenceNumber>
  <MessageFunction>9</MessageFunction>
- <WCOTRANSITDATA>
  - <GUARANTEE>
    <GuaranteeReference>11TR0000031000013</GuaranteeReference>
    <GuaranteeValidity>2011-05-06T22:28:49.515625+03:00</GuaranteeValidity>
    <GuaranteeType>00</GuaranteeType>
    <GuaranteeStatus>001</GuaranteeStatus>
  </GUARANTEE>
  - <TIOPERATION>
    <SequenceNumber>4630203</SequenceNumber>
    <RegistrationNumber>11TR4630</RegistrationNumber>
  - <START>
    <DateStart>2011-03-07T22:28:49.515625+02:00</DateStart>
    <TimeLimit>2011-03-14T00:00:00+02:00</TimeLimit>
    <Remarks>No Remarks</Remarks>
    <CustomOfficeCode>TR610100</CustomOfficeCode>
  - <NationalItinerary>
    <string>TR</string>
  </NationalItinerary>
  - <ControlResults>
    - <ControlResult>
      <Code>001</Code>
      <ControlType>001</ControlType>
    </ControlResult>
  </ControlResults>
  - <Consignments>
    - <Consignment>
      <SequenceNumber>4630203</SequenceNumber>
      - <AttachedDocuments>
        - <Document>
          <IssuingDate>2011-03-07T22:28:49.515625+02:00</IssuingDate>
          <Number>4630203</Number>
          <Type>2</Type>
        </Document>
      </AttachedDocuments>
    </ConsignmentItem>
  </Consignments>
  - <TransportEquipments>
```

```
<?xml version="1.0" encoding="utf-8" ?>
- <MessageI10 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns=""
  <SenderIdentification>11TR12345678</SenderIdentification>
  <Type>952</Type>
  <SubType>I10</SubType>
  <MessageReferenceNumber>11TR4630</MessageReferenceNumber>
  <MessageFunction>44</MessageFunction>
- <WCOTRANSITDATA>
  - <GUARANTEE>
    <GuaranteeReference>11TR0000031000013</GuaranteeReference>
    <GuaranteeValidity>2011-05-06T22:28:50.125+03:00</GuaranteeValidity>
    <GuaranteeType>00</GuaranteeType>
    <GuaranteeStatus>002</GuaranteeStatus>
  </GUARANTEE>
  - <TIOPERATION>
    <SequenceNumber>4630812</SequenceNumber>
    <RegistrationNumber>11TR4630</RegistrationNumber>
  - <START>
    <DateStart>2011-03-07T22:28:50.125+02:00</DateStart>
    <TimeLimit>2011-03-14T00:00:00+02:00</TimeLimit>
  </START>
  </TIOPERATION>
  - <GUARANTEECHAIN>
    <GuaranteeChainCode>TOB_TR</GuaranteeChainCode>
  </GUARANTEECHAIN>
  - <HOLDER>
    <Name>Iacob Crucianu</Name>
    <Code>1610928555400</Code>
    <CityName>Ankara</CityName>
    <CountryCode>TR</CountryCode>
    <StreetAndNumber>Tunali 52</StreetAndNumber>
    <Postcode>222</Postcode>
    <CurrentStatus>001</CurrentStatus>
  </HOLDER>
  </WCOTRANSITDATA>
</MessageI10>
```



# Expected evolution





# Relation with other systems

The image shows two web browser windows. The left window displays a 'Cover Page Voucher' form with various fields for customs information. The right window displays an 'Adaugare Document' form, which is a detailed document with multiple sections and fields. A large blue double-headed arrow is positioned between the two windows, indicating a relationship or data exchange between them.

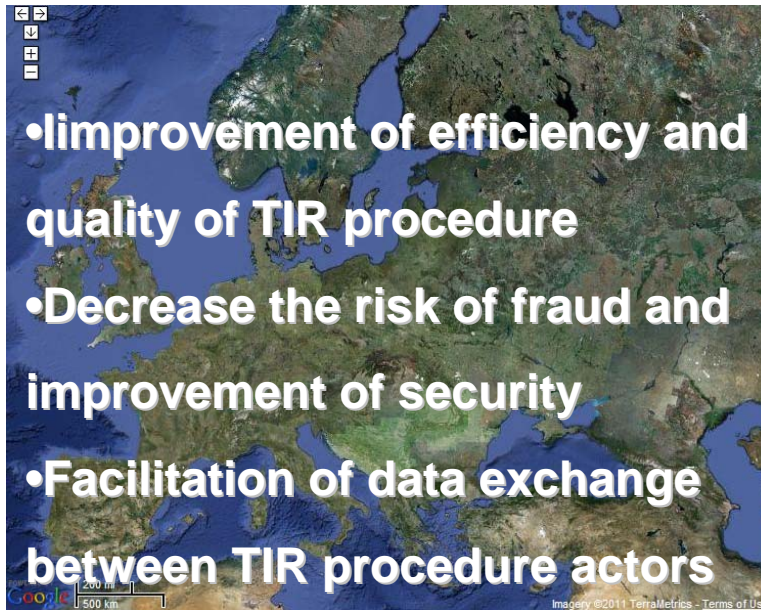
- Interfaces with Traders applications via WebServices
- Interfaces with national Customs Systems based on XML messages and WebServices
- Interfaces to IRU applications based on XML messages
- Interfaces with BILGE, ASYCUDA, NICTS systems based on XML messages



# Advantages

## For Customs

- Improvement of efficiency and quality of TIR procedure
- Decrease the risk of fraud and improvement of security
- Facilitation of data exchange between TIR procedure actors



## For Trades

- Reduced time to fill in
- Reduced costs
- Easy to use
- On line information
- Faster close-up





# Thank You