Amendment to the eTIR Reference Model
International declaration mechanisms

Agenda item 4 (b)

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Informal Ad hoc Expert Group on Conceptual and Technical Aspects of Computerization of the TIR Procedure
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Outline

- Background
- Definitions
- Current procedure (WP.30/2011/4)
- Amendments (Inf. Doc. No.10 (2012)/Rev.1)
Background

- UNECE-IRU meeting on 15 February 2011
- Proposals to introduce international declaration mechanisms (ECE/TRANS/WP.30/GE.1/2011/9)
- Survey on the use of electronic signatures in the framework of the eTIR project (Informal document GE.1 No.3 (2012))
- GE.1 requested the introduction of international declaration mechanisms in the eTIR RM using authentication mechanisms (20th session)
Background

- Current options:
  - Sending EDI messages to Customs
  - Using a Customs web application (form)
  - Customs brokers
  - IRU TIR-EPD

- All solutions have direct or indirect financial consequences for the holders

- In the RM: Standard messages but no standard procedures (issue of authentication)
**Definitions**

- **Advance cargo information**: Information provided to the competent Customs authorities within the prescribed deadlines and in the prescribed form and manner of the intention of the holder to place goods under the TIR procedure or pursue a TIR transport.

- **Declaration**: Act whereby the holder, or his representative, indicates in the prescribed form and manner a wish to place goods under the TIR procedure.
Current procedure (Departure)

1. Holder
2. Guarantee request
3. Guarantee chain
4. Advance cargo information
5. Incl. guarantee reference and itinerary
6. Customs office of departure
7. Risk Analysis
8. Advance cargo information reference
9. $
10. MICROSOFT CORPORATION
11. Guarantee request
12. Accompanying document
13. Goods
14. Declaration reference
15. Vehicle
16. Inspection and sealing
17. Customs office of departure
18. National information system
19. eTIR international system
20. ITDB
21. Pay to $
22. Advance cargo information reference
23. Other Customs along the itinerary
Current procedure (Entry)

1. Advance cargo information, incl. previously accepted declaration(s) + other TIR transport info
2. Customs along the itinerary
3. Risk analysis
4. eTIR international system
5. ITDB
6. National information system
7. Holder
8. Customs office of entry

Sealed vehicle
Accompanying document

Proposed amendment

United Nations Economic Commission for Europe

Economic Commission for Europe

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Private

Public

National

International

B2B: Guarantee info

B2C: Declaration (including via 3rd party solutions)

C2B: Transport, operations info

C2C: Holder info

B2C: Declaration

B2C: Guarantee info

C2C: Transport, operations, Guarantee and declaration info

C2C: Holder info

ITDB

National Association

International organization

Guarantee Chain

eTIR International system

B2B: Guarantee info

C2B: Transport & operations info
Proposed amendment

- 3 options to be included in the eTIR RM:
  - eTIR declaration mechanism (web services)
  - Customs international declaration mechanism
  - Third party declaration mechanism (e.g. TIR EPD)
eTIR declaration mechanism

Holder

Secure Web service

Customs system of the country of departure

Secure system to system connection (e.g. VPN)

eTIR international system
Customs international declaration mechanism

- Holder
- Authentication based on national requirements (e.g. electronic signature)
- Secured system to system connection (e.g. VPN)
- Customs system of the country of departure
- Customs system of the country of residence of the holder
- eTIR international system

- Secured system to system connection (e.g. VPN)
Third party declaration mechanism

- Holder
- Customs system of the country of departure
  - Secured system to system connection (e.g. VPN)
  - Authentication based on private requirements (e.g. user/password)
- Third party system (e.g. TIR EPD)
  - Secured system to system connection (e.g. VPN)
- eTIR international system
  - Secured system to system connection (e.g. VPN)

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Authentication

- eTIR declaration mechanism
  - Secure web services
- Customs international declaration mechanism
  - National authentication mechanism (incl. electronic signature)
- Third party declaration mechanism
  - Authentication by the private sector
  - Minimum requirements?
- System2System secure communications (VPN)
Changes to the eTIR RM (example)
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