Amendment proposals to the eTIR Reference Model
International declaration mechanisms

Agenda item 3 (b)

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Outline

- Background
- Definitions
- Current procedure (WP.30/2011/4)
- Proposed amendment (GE.1/2012/10)
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 chain
3. Advance cargo information reference
4. Customs office of departure
5. Guarantee request
6. Risk Analysis
7. ITDB
8. Other Customs along the itinerary
9. National information system
10. Advance cargo information
11. Customs office of departure
12. Accompanying document
13. Goods
14. Vehicle
15. Inspection and sealing
16. Customs office of departure
17. Customs office of departure
18. Customs office of departure
19. Customs office of departure
20. eTIR international system
21. Advance cargo information reference
22. Other Customs along the itinerary
23. National information system
24. Holder
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. Holder
7. National information system
8. Customs office of entry
9. Accompanying document
Proposed amendment

Private

Holder

National Association

International organization

Guarantee Chain

Public

Customs

B2C: Declaration (including via 3rd party solutions)

B2B: Guarantee info

National

International

eTIR International system

B2C: Declaration

B2C: Guarantee info

C2B: Transport, operations info

C2C: Holder info

ITDB

C2C: Transport, operations, Guarantee and declaration info

B2C: Declaration

B2B: Guarantee 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

eTIR international system

Secured system to system connection (e.g. VPN)
Customs international declaration mechanism

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

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

- 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)
- 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)

Holder
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?

- System-to-system secure communications
Changes to the eTIR RM (example)
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