European Transnational Interoperability – From Theory to Practice

The German case

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Toll context data

- Tolled road network
  - 12.733 km Federal motorways
  - 42 km Federal roads (since 2007)
  - 2.355 motorway junctions
  - 249 motorway intersections
- HGVs subject to tolls
  - HGVs with a permissible weight of 12 tonnes
  - Approx. 1.5 million HGVs
- Mileage subject to tolls
  - approx. 27.6 bn km per year (2008)
  - approx. 35% by foreign HGVs
- Information on the charging system
  - distance travelled
  - number of axles
  - emission category of the motor vehicle
Stakeholders

Toll Charger

BMVBS*
BAG**

* Ministry of Transport, Building and Urban Development
** Federal Office for Goods Transport

www.bag.bund.de
www.bmvbs.bund.de

Toll claim

EETS-User

Toll payment

EETS-Provider

Notified Bodies

Conciliation Body

www.bag.bund.de
www.bmvbs.bund.de
EETS general architecture

• Four main interfaces
• Interface 1 and 3 are essential to achieve interoperability
Contractual procedure

EETS Contractual Procedure
(Stakeholders: EETS-Providers and Toll Charger and if so Notified Bodies)

- Start of the EETS contractual procedure
- Agreement for the EETS contractual procedure
  - Procedure for the assessment of suitability for use
    - Suitability for use attestation
  - Procedure for checking commercial terms and conditions
    - Fulfilment of commercial terms and conditions
- EETS contractual procedure
- Contract between EETS Provider and Toll Charger
Monitoring of EETS-Providers and enforcement of EETS-Users

• Monitoring of the EETS-Providers:
  – Level of toll revenue
  – Quality of toll collection
  – EETS–Providers own monitoring

• Checks on users
  – EETS users must use the toll collection equipment in accordance with their duties
  – Same regulations applies just like for the users of the national system
Toll2Go – technical interoperability between the German and the Austrian system

GPS - Global Positioning System

AS - virtual toll station for satellite navigation

GSM - Global System for Mobile Communications

Austria

Germany
Looking ahead

• Toll chargers
  • Savings with regard to on-board-units and user administration
  • Pre-financing measures for implementing of EETS
  • Re-financing in question

• EETS-User
  • Only for international market players
  • More user-friendliness
  • Probably have to pay for service

• EETS-Provider
  • Access to a new field of business
  • Impact on the loyalty of their customers
  • Pre-financing
  • Re-financing in question/incalculable