

IMPLEMENTATION OF SUCCESSFUL REGIONAL SOLUTIONS

The Austrian Experience

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Working solutions for regional demands

RETS – Regional Electronic Toll Services

- Valid „GO“ contracts in the Austrian system*

Germany	> 146.000
Poland	> 49.000
Italy	> 33.000
Czech Republic	> 34.000
Hungary	> 27.000
Slovakia	> 13.000
EasyGo (Norway, Sweden, Denmark)	> 5.000
Austria	> 86.000

*active On-Board-Units within the last 18th months

Interoperability – Bilateral Activities

- Switzerland 😊
 Since 1.1.2004
- Italy (Trial) 😐
 2007 - 2008
- Czech Rep. 😐
 On hold, negotiations restarted
- Germany 😊
 Implementation ongoing
- EasyGo 😊
 Implementation ongoing



Switzerland



Austria – Switzerland

In operation since 1.1.2004

Interoperability:

Technical: one way

Contractual: No

Users: more than 3000

OBU: Tripon

Tests with CH-OBU-2



Italy



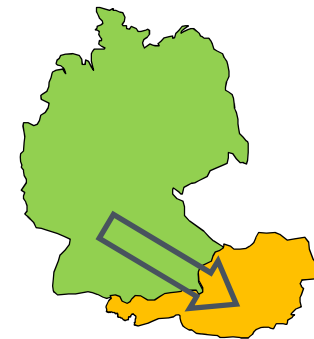
- Pilot Project for Technical Interoperability of Italian and Austrian Tolling Systems
 - Technology: Based on a single dual mode OBU (GO Pass)
 - Processes: Unchanged on a single dual mode OBU (GO Pass)
 - Based on separated valid contracts
- Constraints
 - Challenging processes for the pilot phase
 - Limitation of local point of sales
- Lessons Learned
 - Pilot itself was successful – technical interoperability is feasible
 - Logistic complexity due to processes
 - Combination with contractual solutions (e.g. MEDIA) should be foreseen



Germany



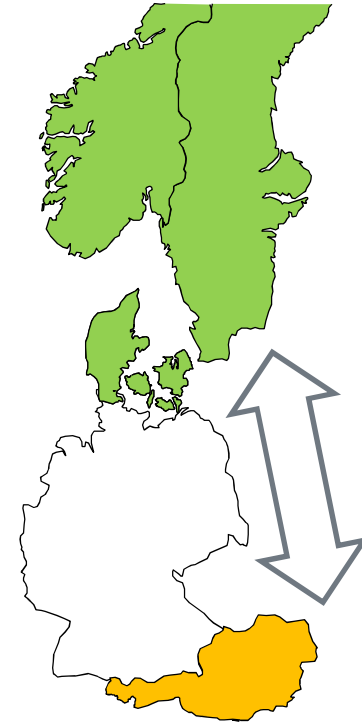
- **Project for technical interoperability:**
 - Technology: use DSRC Interface within the German OBUs
 - Processes: additional processes / two contracts
 - Contracts: based on valid contracts
- **Project Plan**
 - Implementation ongoing
 - Field tests planned during 2011
 - field tests will cover all processes needed for the complete operation of the system
 - Start of operation planned 2012
- **Benefits**
 - Increase of service level: only one On-Board-Unit for the user
 - High number of frequent travellers could be benefit from the Interoperability Austria-Germany



EasyGo



- **Project for interoperability**
 - Technology: use of DSRC OBUs
 - Processes: additional processes / one contract
 - Contracts: based on the EETS model
- **Project Plan**
 - Implementation ongoing
 - Field tests planned during 2011
 - Start of the service early 2012
- **Benefits:**
 - Commercial solution for bilateral interoperability
 - Demonstration of interoperability:
 - Considering financial impacts and identify the needs of a pan European tolling service including contractual relations
 - Including EETS providers and solutions based on EN 15509



Interoperability – Multilateral activities

- Concessionaires Initiative
MEDIA Toll Service ☹️
- EC funded projects
CESARE III and IV
RCI ☹️
- European Electronic Toll
Service
 - Directive 2004/52/EC ❓
 - Decision 2009/750 ❓



MEDIA Toll Service



Management of EFC through DSRC Interoperability

- Project for contractual interoperability (Austria, Italy, France, Slovenia):
 - Technology: based on a set of OBU equipments
 - Processes: payment and contact via “Service Provider”
 - Contracts: User with the Service Provider
- Constraints
 - Business case & costs/benefits for operators
 - National “homework” sometimes more important than international
- Lessons Learned
 - Fast progress on theoretical level as long as feasibility studies and preparation studies for implementation are required
 - Difficulties appear in case of concrete implementation measures, especially if investments are needed



**Only customer demand will safeguard a
successful EETS implementation.**



RELIABILITY ALL THE WAY.

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