

Electronic Toll Collection in Austria aspects of interoperability

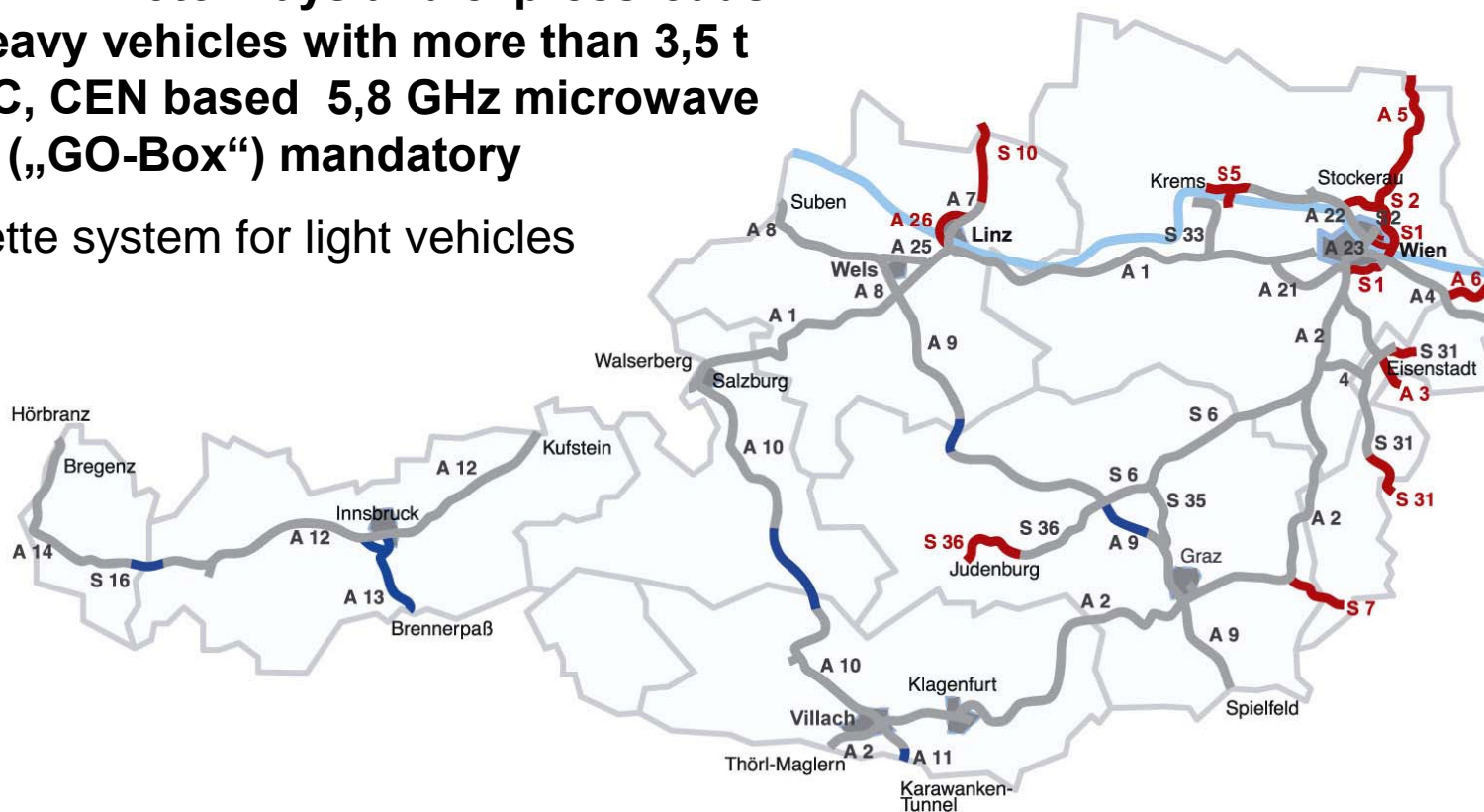


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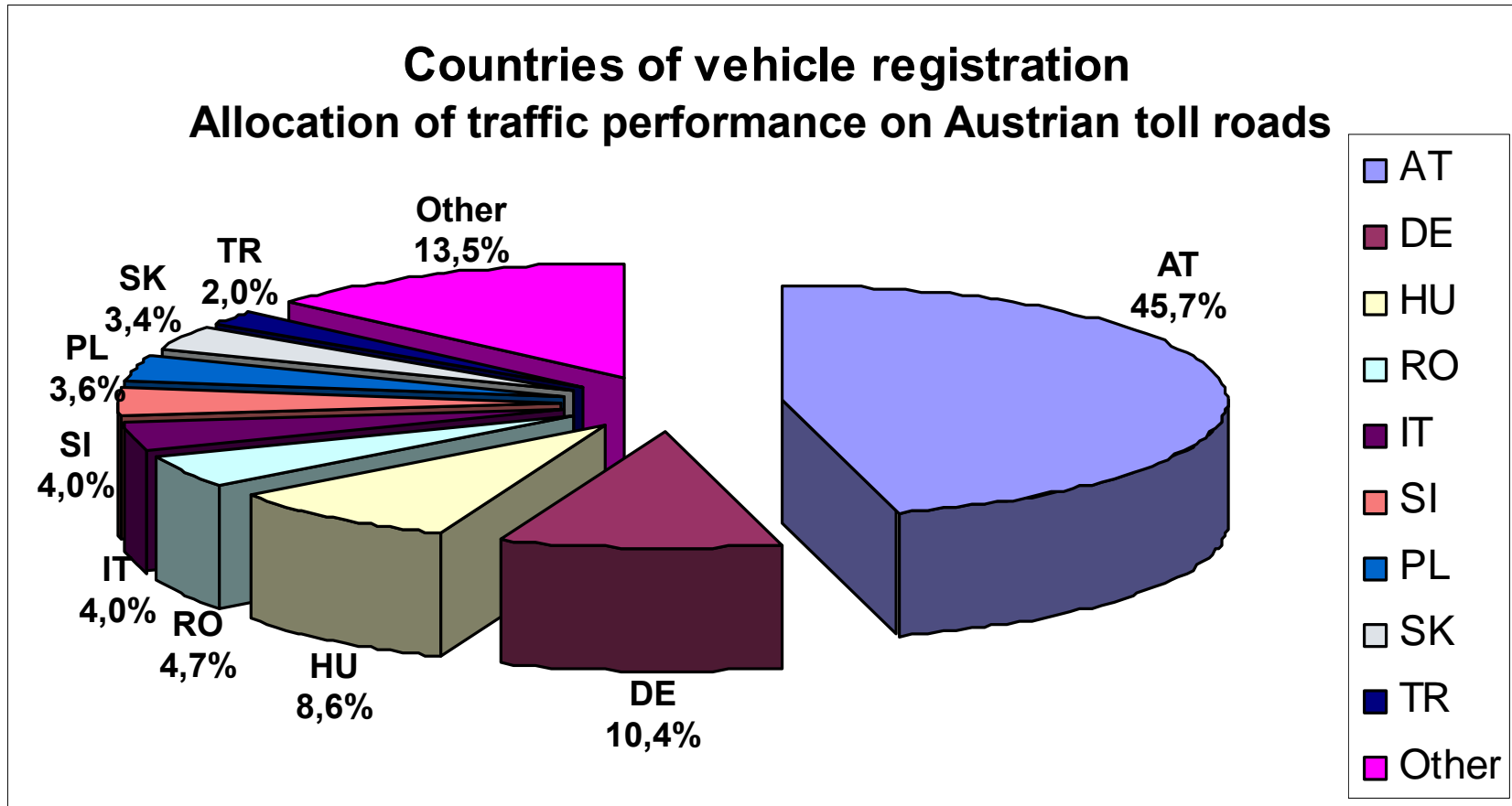
The Austrian Toll Collection system

- electronic toll collection system, free flow, multilane on 2.100 km motorways and expressroads
- all heavy vehicles with more than 3,5 t
- DSRC, CEN based 5,8 GHz microwave
- OBU („GO-Box“) mandatory

Vignette system for light vehicles



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A good argument to achieve interoperability

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General requirements for the toll system **defined 1997**

- No excessive formalities for access
- No obstacles at internal EU-borders
- No obstruction of traffic (multilane, free-flow)
- **Target: Interoperability to other systems**
 - ➔ **electronically operated system!**
 - no toll technology excluded in advance**



Austria / ASFINAG started contacts and cooperation very early

Result:

since 2004 Austria – Switzerland

first cross- border interoperability in Europe in practice with 3000 users

One-way-interoperability, technical interoperability

Swiss OBU can be used for toll payment in Austria (not vice versa)

Two contracts (ASFINAG and Swiss Customs)

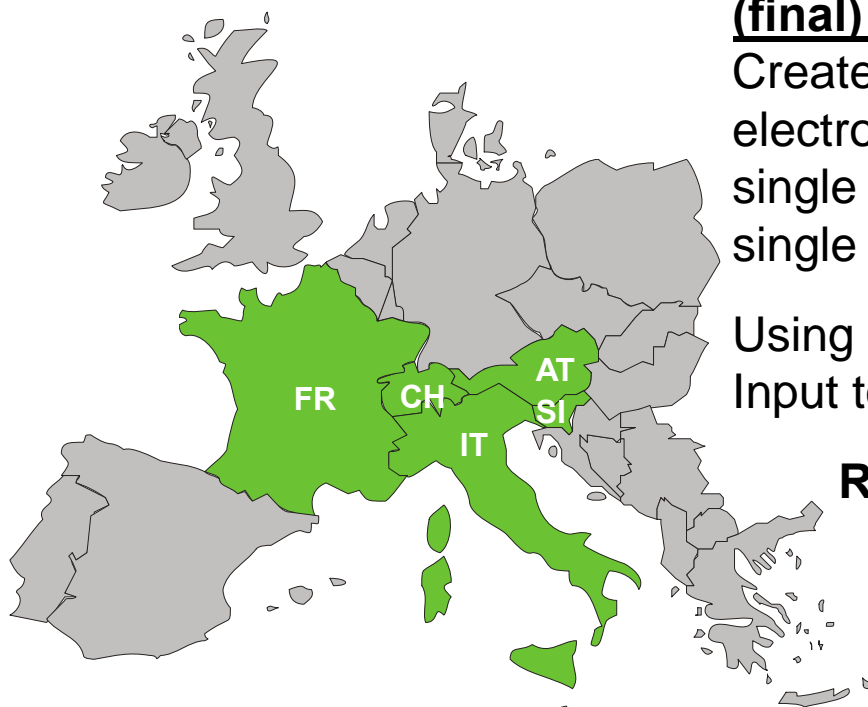
with Germany / Toll Collect

negotiations on a similar basis to make possible

the Toll-Collect-OBUs (since 2005) for toll payment in Austria

Many elements already agreed, preparation still on the way

MEDIA management of EFC DSRC Interoperability in Alpine Region
Initiative of toll operators using DSRC microwave technology (2004)



(final) Objective:

Create a new contractual product
electronic Toll payment at all participating operators
single contract with a „Contract Issuer“
single payment statement

Using outcomes from CESARE, CARDME, PISTA
Input to the Interoperability directive

Result: Interoperability is possible:
in a first stage specification of a
Dual-mode OBU for communication
between CEN and UNI based systems

An envisaged goal was to start with a MEDIA-OBE already by the end of 2006

But, things changed

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Pilot Project with a dual-mode OBE

**for toll payment in Austria (GO-System) and Italy (Telepass)
Limited number of OBU (around 400) distributed
worked satisfying in general but the interest by users was low
still a two contract solution.**

Cooperation with the system in Czech Republic

**same technology for transaction (CEN DSRC, start 2007)
certain number of One-box-OBU produced
Cooperation will not be pursued at the moment**

on the way: **Contacts to Scandinavian countries (Easy-GO-system)
Interoperability already of the systems in Denmark-Sweden-Norway
Cen-DSRC system, future cooperation could probably be feasible**

Prepared to work on and contribute to the realisation of the **EETS**



Thank you for your attention

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