10. Electronic fee collection in Czech Republic

Jiří Nouza, Ministerium für Verkehr

Electronic fee collection in Czech Republic

Ministry of Transport

Wien, 4. July 2006
European EFC perspective

EU strategic recommendation
- Implementing EFC based on the
  - User charge principle
- That means – constructions costs, operations, renovation, repairs and road maintenance and some external costs have to be paid directly by user
- The goal attainment model – these cost shouldn’t be paid by the public budget on the same level like today
- Target – modification of public sector participation.

EU Legislation rules

- EU Directive 1999/62/ES, road charging directive for heavy truck
- EU Directive 2004/52/ES, EFC system interoperability
Directive 2004/52/EU

- determine technologies which could be used for EFC
  - DSRC (dedicated short range communication 5,8 GHz),
  - GNSS (global navigation satelite system) and CN (cellular network).
- Directive also suppose definition of „European EFC service“
- For the future recommended using european satellite system GALILEO.

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Directive 2004/52/EU

- EU Directive target - interoperability
- Based on principle
  - One agreement
    - One OBU
    - One invoice
Today situation in CZ

- Road pricing based on label system
- We are charging now only 710 km in a 850 km highways and motorways
- All car with more than 3 wheels
- Three weight categories
  - To the 3,5 t, more than 3,5 t less than 12 t,
  - and more than 12 t).
- With label validity 1 year, 2 month, 15 days
  - and only for truks up 12 t 1 day valid label.

EFC in CZ

CZ government in January 2005

- Agreed with time and working schedule proposal for system implementation
- Conformed that EFC in CZ will be introducing only for heavy trucks up 12 t
- On highways and motorways network started on 1. January 2007
- Conformed with possible expansion on the I.class roads and also with possible expansion for cars up 3,5 t
- Ordered that CZ will be owner of the system
Public tender

- 15. July 2005 – tender documentation was published
- 10. November 2005 – evaluation commission decision
- 10. February 2006 – second round
- 29. March 2006 – ministry signed contract
- 1. April 2006 – starting implementation
- 1. January 2007 – system will be operating

EFC metodologie pricing

- Based on valid EU directive and rules
- General format of pricing:

Costs sum total on charging road network / Move intensity on charging road network = weighted average
in our case – 4,05 CZK/km H,M
1,90 CZK/km I.class
EFC Pricing differentiation

- Highways, Motorways
- I. class roads
- Toll sections – regarding bypassing by the non-charge roads
- Truck categories (2, 3, a 4+ axletrees)
- Emission class (EURO 0-II a III+)
- Day x Night (6:00 – 20:00)
Thank you for your attention

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12