



Implementation of an interoperable EFC for HGV in France

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Technical session VII

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Outline

- HGV tolling in France
- Objectives of EFC for HGV in France
- Technical context
- How does it work ?
- Implementation planning

HGV tolling in France

- 156 millions HGV transactions per year
- 350,000 HGV subscriber cards (CAPLIS)
- Aims of EFC for HGV
 - Reduction in queuing times and transaction times
 - less petrol consumption at the toll
 - safer means of payment
 - european interoperability

Milestones of french EFC for HGV

- 1st January 2006 : French deployment
 - All the toll plazas and interchanges have at least one lane that accepts HGV (Vans and buses) equipped with a TIS / CARDME tag
 - Sale of TIS/CARDME tags for HGV (Vans and buses) with appropriate contract
- 1st July 2006 : at European level
 - All the toll plazas and interchanges accept HGV equipped a European CARDME tag
 - TIS issuers accept all transactions made in Europe with TIS/CARDME tags outside the TIS context

=>subject to relevant MOU / protocols

Taken into consideration

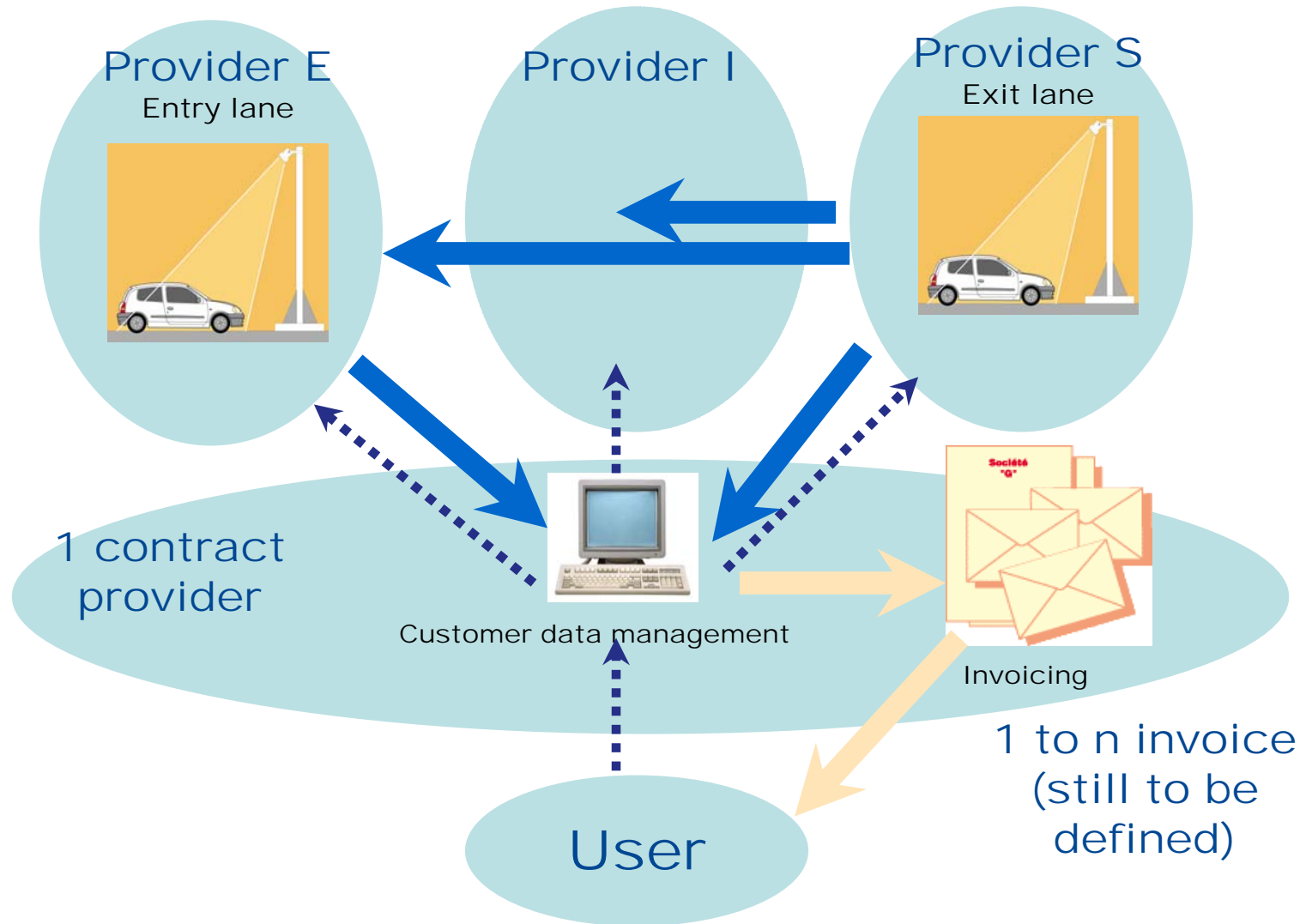
- DSRC standards 5.8 GHz and ISO
- CARDME IV and CESARE specifications
- Results of PISTA experimentation
- Variety of suppliers (tags and beacons)
- Existing DSRC EFC systems in Austria and Spain
- Forecasted systems in UK and Scandinavian countries

Why DSRC ?

- Continuation of existing EFC systems for light vehicles that are based on DSRC technology
- Short deployment times due to acquired technology
- Durable investments
- Systems remain open to other technologies

Outline of the system

➡ Transaction data
⋯➡ Money



Implementation planning

- July 2004 : validation of technical specifications (done)
- Sept-Oct 2004 : Definition of the TIS HGV contractual context (on progress)
- June 2004 - June 2005 : Deployment of software and toll equipment (on progress)
- July 2005 - Dec 2005 : experimental trials (toll plazas and tags)
- 1st January 2006 : TIS for HGV is operational in France
- 1st July 2006 :
 - TIS network is operational for European tags
 - TIS / CARDME tags accepted all over Europe
- 1st January 2007 : application of article 2 of the Directive by TIS network : ability of EFC systems to manage at least 50% of the traffic flow

Thank you for your attention !