

HOTEL PALÁCIO ESTORIL 21 DE OUTUBRO DE 2010
COLÓQUIO APCAP 2010

DESAFIOS DA MOBILIDADE EM PORTUGAL



Caminhos para o futuro

SESSÃO 3.1

Comité Permanente 1 *Portagens*



COLÓQUIO APCAP 2010

**DESAFIOS
DA MOBILIDADE
EM PORTUGAL**

Actividades 2010

- **Notificação de infractores**
- **Fiscalização**
- **Em curso**

Notificação de Infractores

- ***Notificações***
- ***Autos de notícia***
- ***Custos administrativos***

Fiscalização

- **Uniformes**
- **Veículos**
- **Acordo com as forças policiais?**

Em curso

- **Classificação de veículos**
- **Novo ID's**
- **Alteração legislativa**

EETS - interoperabilidade

- ***Directiva 2004/52/EC***
- ***CESARE IV***
- ***Decisão***
- ***Normas (CEN e ISO)***
- ***Manual de Aplicação***

EETS - interoperabilidade

- ***Directiva 2004/52/EC***
 - ✓ ***Um único identificador***
 - ✓ ***Um único contrato***
 - ✓ ***Tecnologias***
 - ✓ ***Orientações para a evolução***

EETS - interoperabilidade

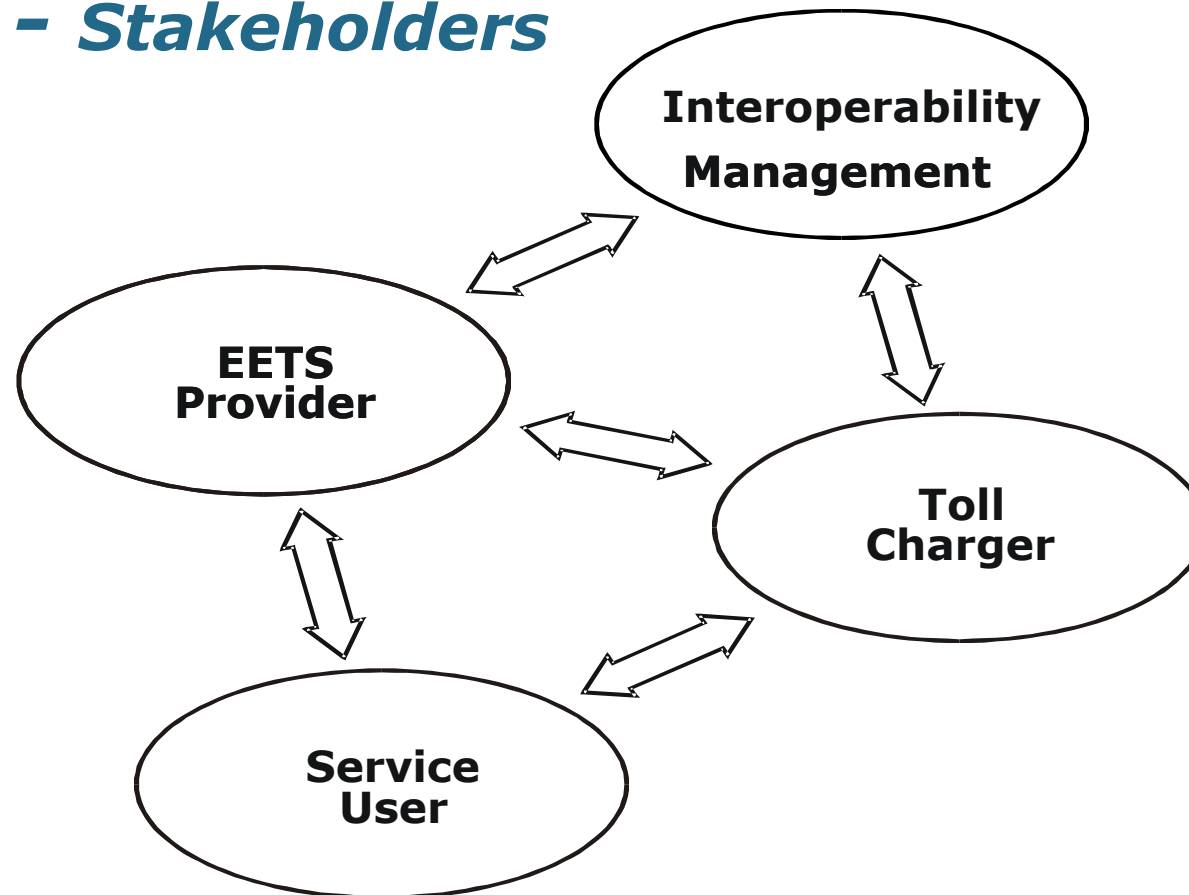
• CESARE IV

- ✓ ***Linhas de orientação para disponibilização do serviço (técnicas comerciais, legais e de actuação)***
- ✓ ***Caminho de migração da situação actual (RETS) para o EETS***
- ✓ ***Gestão da interoperabilidade (GI)***

EETS - interoperabilidade

- **Decisão (2009/750/EC), define**
 - ✓ **O Serviço Europeu de cobrança Electrónica de Portagens (SEEP-EETS)**
 - ✓ **As especificações técnicas, os requisitos e as regras contratuais aplicáveis ao serviço**
 - ✓ **Os direitos e os deveres dos intervenientes**

EETS - Stakeholders



EETS - interoperabilidade

•Normas (concluídas)

- 1.ENV ISO 14904** Interface specification for **clearing** between operators (adopted 2002, revision of ENV ISO 14904:1997; **withdrawn**)
- 2. CEN ISO/TS 17573** EFC **System architecture** for vehicle related transport services (approved in 2002-10)
- 3. CEN ISO/TS 17574** EFC – Guidelines for **security protection profiles** (2nd ed published in 2009-09)
- 4.CEN ITR** Integration of **payment systems for transport services**
(CEN/TC278 N278, 1994-03-17)
- 5.CEN ITR** Definition of **Threats and Security Controls** for the Charging Interface in Electronic Fee Collection (CEN/TC278 N780, 1997-10)
- 6. EN ISO 14906** EFC - **application interface definition for DSRC** (2nd edition approved in 2004-03)

EETS - interoperabilidade

•Normas (concluídas)

7. CEN ISO/TS 14907 EFC - **Test procedures** user and fixed equipment

Part 1: Description of **test procedures** (2nd ed published in 2005-03)

Part 2: **Conformance test for the onboard unit application interface**

8. EN 15509 EFC - **Interoperable application Profile for DSRC**

(approved
in 2007-02)

9. EN 15876-1 EFC - **Conformity evaluation** of on-board and roadside
equipment to EN 15509

Part 1: Test suite structure and test purposes (approved in 2010-02)

10. CEN ISO/TS 25110 EFC - Interface definition for on-board account
using ICC

11. CEN ITR AFC requirements for **DSRC** (CEN/TC278 N318, 1994-08)

12. CEN ITR EFC - Requirements for **Integrated Circuit Cards**
(CEN/TC278 N779, 1997-10)

EETS - interoperabilidade

•Normas (concluídas)

- 13. CEN ISO/TS 17575 EFC - Application interface definition for autonomous systems** (approved in 2010-01)
Part 1: **Charging**
Part 2: **Communication and connection to the lower layers**
- 14. CEN ISO/TS 12813 EFC - Compliance check communication** (Published in 2009-11)
- 15. CEN ISO/TS 13141 EFC - Localisation augmentation communication** (Published in 2010-02)
- 16. CEN ITR Application requirements for EFC systems based on GNSS/CN** (CEN/TC278 N798, 1997-11)

EETS - interoperabilidade

- ***Normas (em desenvolvimento)***
 1. prEN ISO 17573 "System architecture"
 2. prEN ISO 12855 "Information exchange"
 3. prCEN TR 16092 "Requirements for pre-payment systems"
 4. prCEN TR xxxxx "Personalisation and mounting of first mount OBE"
 5. prCEN TR xxxxx "Value added services based on EFC OBE"
 6. prEN ISO 14906 "AID for DSRC"
 7. prCEN ISO/TS 14907-1 "Test procedures"
 8. prCEN ISO/TS 14907-2 "Application interface OBU conformance testing"

EETS - interoperabilidade

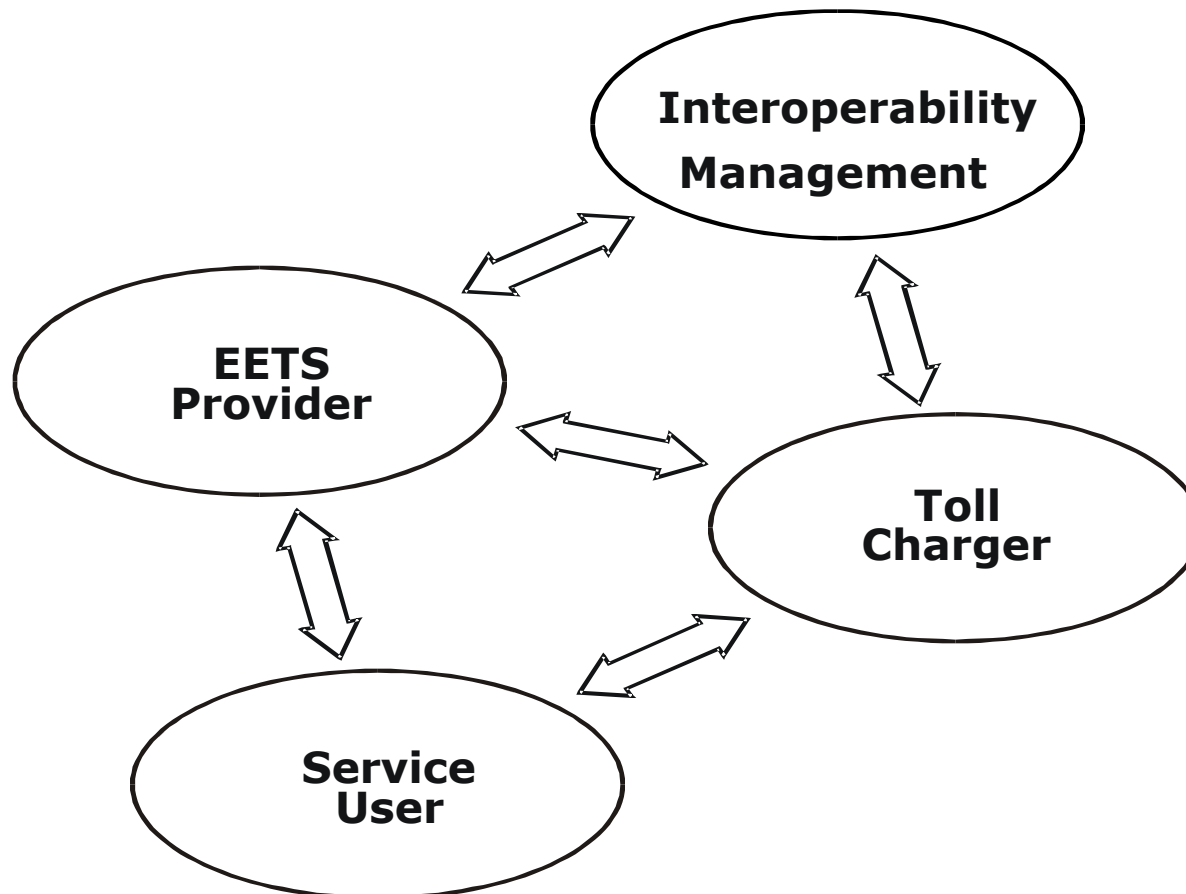
- ***Normas (em desenvolvimento)***
9. **prEN 15876 Conformity to EN 15509 "IAP for DSRC"**
 10. **prCEN TR 16040 Requirements for urban DSRC systems**
 11. **prCEN ISO/TS 17575-1/4 AID for autonomous systems (1) (2)**
 12. **Evaluation of equipment for conformity to "17575"**
 13. **prCEN ISO/TS 13143 "Conformity to CCC"**
 14. **prCEN ISO/TS 13140 "Conformity to LAC"**

EETS - interoperabilidade

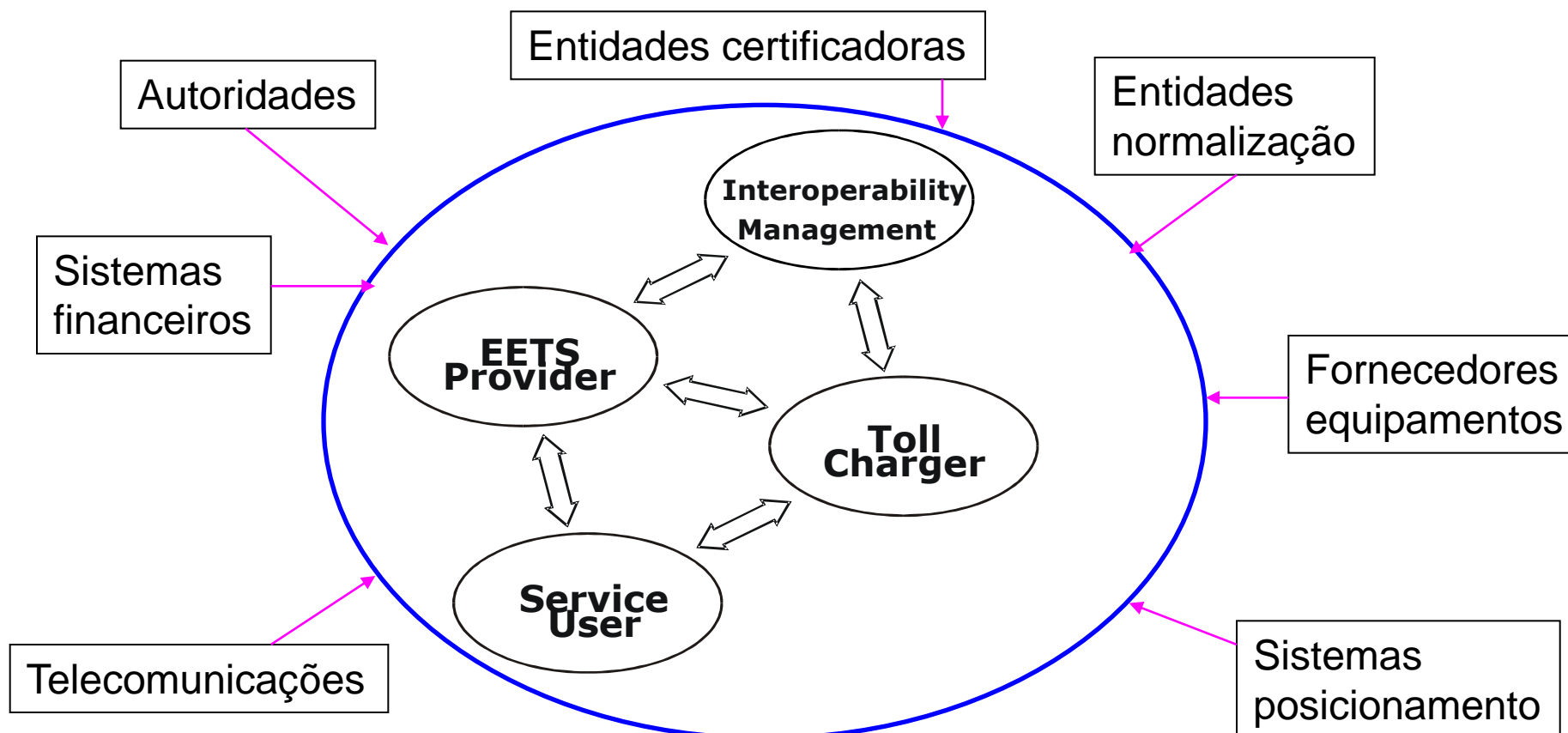
- **Manual de Aplicação**

- ✓ **Clarificar conceitos e procedimentos**
- ✓ **Explicar como se avaliam as componentes do serviço**
- ✓ **Não se aplica ao projecto e fabrico de equipamentos**
- ✓ **Não se aplica à fiscalização de veículos estrangeiros**

EETS – “Stakeholders”, internos



EETS – “Stakeholders”



EETS – Road Map

Latest End Date	Activity / Milestone
8 July 2010	EETS domains and EETS Providers Registers
October 2010	Member States concerned: set up Conciliation Body
October 2010	prCEN ISO/TS13140-1 and -2 EFC - Conformity evaluation of on-board and roadside equipment to CEN ISO/TS13141
October 2010	prCEN ISO/TS13143-1 and -2 EFC - Conformity evaluation of on-board and roadside equipment to CEN ISO/TS12813
October 2010	Member States/Toll Chargers: format for and content of EETS domain statement
November 2010	CEN: Application interface definition for autonomous systems: context data and roaming
April 2011 (prospective)	CEN: EFC Security Framework
April 2011 (prospective)	CEN: Charging Performance Metrics and Examination Framework (Stable draft)
April 2011	European Commission: Mid-term review
APR 2011 to AUG 2012	Toll Chargers: design/implementation/certification
June 2011 to August 2012	EETS Providers: design/implementation/certification
October 2012	EETS AVAILABLE for heavier vehicles