Innovation in Road Transport
Opportunities for Improving Efficiency

SEMINAR  ●  2 October 2009 Lisbon  ●  Portugal

Programme
**Purpose of the Seminar**

The Seminar is jointly organised by the International Transport Forum and the IMTT (Inland Transport Authority) of the Ministry of Public Works, Transport and Communications of Portugal in conjunction with the meeting of the ITF Group on Road Transport (1 October 2009).

It is designed for practitioners from the Ministries of Transport of the Forum Member countries, industry experts and researchers, as well as representatives of different stakeholder organisations.

The aim of the Seminar is to examine key issues and policy challenges in the development and application of innovations in road transport, both in individual Member countries and at a wider level and is intended to provide input to high-level Ministerial-industry discussions at the *Forum 2010 on Transport and Innovation*.

Three sessions of the Seminar will focus on different innovations, and in particular, applications of Intelligent Transport Systems in road freight transport, including:

- already deployed IT technologies and systems in road transport, including electronic tolling systems on motorways, in different Member countries and their impact;
- the application of IT technologies in facilitating road freight transport and trade and cutting red tape; role of GPS and traffic supervision systems in facilitating road transport’s interface with other transport modes, ensuring smooth and paperless movement of goods along transport supply chains, and improving enforcement of regulations; and
- new vehicle technologies – what is the future for alternative fuels and engines, and next generation of the heavy goods vehicles (HGVs).
**Venue**

The Seminar will take place on **Friday, 2 October 2009** in Lisbon, at *Hotel Altis Lisboa, Rua Castilho, nº11, 1269-072 Lisboa*, Portugal. It will be preceded by a meeting of the ITF Group on Road Transport on 1 October 2009.

**Languages of the seminar**

Simultaneous interpretation in English, French, German, Russian and Portuguese will be provided.

**Registration of participants**

Participants, other than the Delegates of the Meeting of the ITF Group on Road Transport on 1 October, should register at the welcome desk from **8:15 to 8:50**.

**Structure of the seminar**

The Seminar will consist of three thematic sessions and a concluding session. Following the presentation of a limited number of keynote addresses/speeches, a considerable amount of time will be devoted to discussions to which all participants will be invited to contribute.
8:15 - 8:50   Registration

9:00 - 9:10   Opening Session

Welcome address by Ana Paula VITORINO, State Secretary for Transportation

Session 1: How can innovation and ITS help increase the efficiency of the trucking industry?

Chair: Jack Short (ITF)

The session will look at the potential of innovation, and in particular ITS applications, in facilitating road transport and increasing its efficiency through better use of infrastructure, cutting red tape, monitoring cargo movements along supply chains and improved logistics, and the enforcement of regulations.

9:10 - 9:50  Introductory presentations

• Alan MCKINNON (Professor, Heriot-Watt University)
  Innovation in Road Transport - achievements and challenges

Industry perspective

• Jens HÜGEL (IRU)
  Industry view /perspective - Innovation in the road transport industry: Progress, examples, barriers

Europe – wide approach

• Willy MAES (DG Energy and Transport, EC)
  How the European Commission promotes coordinated ITS deployment in road transport in the EU Member countries

9:50- 11:00 Further Interventions and Discussion

Efficiency and Comodality

• Pedro PEDREIRA (GSA-European GNSS Supervisory Authority)
  Satellite based navigation for efficient use of road infrastructure

• Reinhard PFLIEGL (AustriaTech, Austria)
  Role of co-operative systems for efficient intermodal transport management
Enforcement

- **Jorgen CHRISTENSEN** (JTRC WG on Heavy Vehicles, Chairman)
  Roles of ITS in new approaches for road freight transport to compliance with transport laws and standards

- **Eric LOUETTE** (MEEDDM, France) / **Rui Dias CAMOLINO** (BRISA)
  Tracking & tracing satellite system of vehicles transporting hazardous goods - A public/private cooperation on the Arc Atlantique axe

Improving management/ Facilitating Trade

- **Pedro PIRES** (MULTIFROTA/UK)
  GPS based fleet management and the solutions for efficient trucking

- **Zeljko JEFTIC** (ERTICO - ITS Europe)
  How ITS can contribute to urban freight efficiency: Improving vehicle performance, driver behaviour and traffic management

- **António Jorge COSTA** (APLOG, Associação Portuguesa de Logística)
  How can IT help in paperless cargo movements

- **Hans RODE** (Swedish Road Administration): ITS World Congress in Stockholm (21-25 Sep 2009) and ITS applications in Road Transport today and in future

11:00 - 11:20 *Discussions / Concluding remarks by Chair*

11:20 - 11:40 *Coffee Break*

Session 2:

**Information Technologies and Infrastructure Charging**

**Chair:** **Crisostomo TEIXEIRA** (IMTT)

This session will focus on examples of electronic road tolling systems in Member countries and evaluation of their impacts, as well as options for possible synergies and interoperability of the existing and projected road charging systems. Options for possible cooperation in technology transfer and policy developments will also be examined.

11:40 - 12:50 *Introductory presentations*

Road charging systems in Member countries: Case studies

- **Stephan SCHIBLER** (Federal Customs Administration, Switzerland)
  Swiss Heavy Vehicles fee
• Werner FRITZ (ASFINAG Maut Service GMBH, Austria)
  Electronic Motorway Toll System in Austria
• Siegrid PENNDORF (Ministry of Transport, Germany)
  Experience with “Lkw-Maut” in Germany and compatibility/interoperability
  of the system
• Jorge LOPES (BRISA, Portugal) / Luís OSÓRIO (ISEL, Portugal)
  On Board Unit Interoperability DSRC/GNSS Solution

Introducing road pricing
• Johan GILLE (ECORYS Transport and Mobility)
  Netherlands experience in introducing road pricing
• Tuomo SUVANTO (Ministry of Transport and Communications, FINLAND)
  Road charging system in Finland

Experience beyond EU
• Miguel MACHADO (BRISA, Portugal) / João FONTES (Via Verde Portugal)
  Multilane Free-Flow and Video-Tolling Full System in the USA

12:50 - 13:10  Discussions / Concluding remarks by Chair

13:10-14:30 Buffet LUNCH offered by ITF

Session 3:
Innovations in vehicle and fuel technologies

Chair: Professor Tiago FARIAS

This session will discuss the future of the alternative fuels and vehicle technologies with a special attention to road freight, latest industry developments and policy approaches in different Member countries.

14:30 - 14:40  Introductory presentation

• Tiago FARIAS (Portugal)
  Alternative fuels and engines - The prospects
14:40 - 15:30  Further Interventions and Discussion

Alternative solutions for HGVs

- Rui TIMÓTEO (SCANIA)
  New generation of HGVs – How to meet the environmental goals
- Neville S. JACKSON (Ricardo PLC, professor)
  Low carbon technologies for heavy duty vehicles
- Staffan LUNDEGREN (VOLVO R&D)
  Volvo solutions for improving performance of HGVs

Electric mobility

- Robert STÜSSI (European Association for Battery, hybrid and Fuel cell electric Vehicles)
  Past, present and future for electric vehicles
- Francisca DUARTE PACHECO (Ministry of Economy and Innovation, Portugal)
  The Electric Mobility Programme in Portugal

15:30- 16:00  Discussions / Concluding remarks by Chair

Concluding Session

Chair: Professor José Manuel VIEGAS, General Rapporteur of the Seminar

16:00- 16:50  The session will try to highlight some practical and policy conclusions of the Seminar through an open discussion led by the General Rapporteur. A Summary of discussions and conclusions of the Seminar will inform Ministers/Industry/Stakeholder debates at the Forum 2010.

16:50 - 17:00  Closing remarks

Closing remarks by Jack SHORT, ITF Secretary General
Social Programme

IMTT is pleased to offer the river cruise with dinner on the evening of 1 October 2009 to all participants.

Accommodation

Hotel Altis Lisboa (*****), offers special guest rates for the participants at the ITF Group on Road Transport meeting and the seminar until 1 September 2009:

*Single room:* 95.00 €  
*Double room:* 105.00 €

Nearby Hotel Marquês de Pombal (****) also offers special delegates rates subject to availability:

*Single room:* 100.00 €  
*Double room:* 112.00 €

Prices include taxes, service and breakfast. The delegates are requested to register directly with the hotel using the attached hotel registration forms.

Registration

The seminar is free of charge. Participants are kindly requested to fill in the attached registration form and return it by fax or e-mail to the IMTT and ITF Secretariat as soon as possible and at the latest before 7 September 2009.

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