Towards Globally Harmonised Standards in Cooperative ITS

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About Europe's Transport Sector

Standards and European Policies

How to achieve ITS standardisation?

Conclusions
Transport, the engine room of Europe

- 10% of the GDP in the EU
- 5% of total employment in the EU
- 2 million jobs in the automotive sector + 10 million jobs in the transportation sector
- €70 billion/year exports
- €30 billion investment in R&D by industry
- Enables **deployment of interoperable** systems/services
- **Encourages innovation**, fosters enterprise and opens up new markets for suppliers
- **Creates trust and confidence** in products and services
- **Expands the market**, brings down costs and increases competition
- Helps to **prevent duplication of effort**
- Supports greater **confidence in procurement**
- **Interchangeability** of system component suppliers
Roadmap to a Single European Transport Area
Towards a competitive and resource efficient transport system

- **To meet the challenges**, transport has to:
  - Use less energy
  - Use cleaner energy
  - Exploit efficiently a multimodal, integrated and ‘intelligent’ network

- **Curbing mobility is not an option**

- **By 2050 reduce emissions by 60%**, and 20% by 2020 (2008 level)

- **By 2050 move close to zero fatalities** in road transport, halving road casualties by 2020
Standards and European Policies

ITS Action Plan and Directive

- **Directive 2010/40/EU**: Framework for the Coordinated and Effective Deployment and Use of Intelligent Transport Systems
- **Road transport and interfaces with other modes**
  - to coordinate and accelerate deployment of ITS
  - to tackle bottlenecks for deployment
  - to make road transport more sustainable
The Mid-Term Review:

- Action 4.2 of the ITS Action Plan aims specifically at the "Development and evaluation of cooperative systems in view of the definition of a harmonised approach; assessment of deployment strategies, including investments in intelligent infrastructure".

- EU-funded research projects on cooperative systems e.g. Coopers, CVIS, Safespot, COMeSafety, EuroFOT and Drive C2X have produced promising results.

- Co-operative Systems require spectrum for short-range, low-latency communications. On 5 August 2008 the Commission has adopted a Decision to reserve the 5.9 GHz band for safety related ITS applications.

- Standardisation is an important element in the area of cooperative systems. ETSI and CEN are currently working to produce the minimum necessary standards for cooperative systems, as a response to the Standardisation Mandate of the Commission.
The overall aim of the **Digital Agenda for Europe (DAE)** is to deliver sustainable economic and social benefits from a digital single market based on

- **fast and ultra fast internet and**
- **interoperable applications**

**DAE is a key component of the Europe 2020 Strategy.**

http://ec.europa.eu/digital-agenda/
Standards

- The Commission will continue **closely following the work of ICT standardisation activities** and make sure that the newly adopted **ICT standardisation framework** is thoroughly implemented.

- In 2012 the Commission adopted a **pre-competitive framework for public procurement** of ICT systems as well as encourage innovation and competition in software by issuing guidance on the licensing of interoperability information.

- **A strategic vision for European standards:**
  Moving forward to enhance and accelerate the sustainable growth of the European economy by 2020, COM(2011) 311 final

  - **The recognition of Global ICT standards that will play a more prominent role in the EU**
• Policy support and setting of priorities
• Active and fair involvement of all the relevant stakeholders
• Support from RTD projects, validation and fine-tuning through Field Operational Tests and Pilots
• Cooperation among the different standardisation organisations and groups
• Ensuring proper funding
• International cooperation