

European Technology Platforms Conference 2010

Workshop B3

Making transport safer and more secure

Session 4, 12 May, 9h00 - 10h30

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Focus

The freedom of movement for people, and the easy access to goods and services have to be safe and secure. The increasing demand for these freedoms together with the growing of urban areas and the ageing of population create tensions which risk going in the opposite direction. Transport fatalities though decreasing are still terribly high (e.g. 40 000 per year in EU roads), and security controls are causing discomfort and significant waste of time to air travellers. Therefore the improvement of safety and security, while protecting passengers' rights and accessibility remains high in the Transport policy agenda of the Commission. European Technology Platforms working together can help to design and implement research and innovations strategies to meet these challenges

1. Introduction

Safety and security is a challenge for all transport modes in different ways. It goes from safety by design for vehicles and vessels and their supporting infrastructure to crime fighting such as piracy and terrorist attacks; from ship, road and rail accidents, to theft of containers and safety and security in supply chain management. Safety of working conditions is another important item.

In all transport ETPs, enhanced safety and security are a major part of the Strategic Research Agendas, trying to balance with considerations of continuing competitiveness of the sector and the need for smooth and seamless transport of passengers and distribution of goods.

In respect to the safety, security and freedom of movement for people and goods, IT systems are seen as crucial. They will help improving transport services and trace vehicles with enhanced safety as bonus.

The European Parliament urges therefore the rapid introduction of intelligent systems and technological innovations such as SESAR (Single European Sky Air Traffic Management Research Programme), ERTMS (European Rail Traffic Management System), RIS (River Information Services) and Galileo (the European satellite based global navigation system).

Besides such intelligent transport systems a further instrument for achieving efficient and also safe and secure mobility is the use of logistics, as the EC rightly pointed out in its 2006 Communication on "Freight Transport Logistics in Europe – the key to sustainable mobility". It must be added that transport logistics is to be achieved in the spirit of co-modality, one of the fundamental pillars of the Transport White Paper.

Transport logistics is very much a business-related activity and a task for industry that can only be supported by the Union and the Member States by setting up the appropriate legal framework.

Thus, making transport safer and more secure goes beyond R&D. ETPs, where leading European industries are sitting together, where representatives of the EU Commission and EU Member States regular meet to discuss the ETPs' visions and implementation plans, are a natural forum for continuous collaboration

2. Objectives

- Identify how cooperation in research and innovation cooperation across Technology Platforms and technologies can address particular problem identified in the key area and contribute to face the challenges of the particular issue of the session.
- Identify framework conditions that are important.
- Identify the stakeholders that need to be involved.
- Describe the potential for coordinated action.

3. Examples of deliverables

- Research and innovation lines to be pursued.
- Potential for cooperation in research and innovation, including stakeholders.
- Recommendations for addressing the necessary framework conditions.

4. Speakers

- **Pierre Besse**, vice-chairman of Waterborne TP, Bureau VERITAS
Safe design of vessels, scanning of containers, ports policy
- **Dominique Chatrenet**, Airbus Executive Expert & Aircraft Architect
What are the research, innovation and deployment problems that need to be solved to improve safety and security?
- **Nevio Di Giusto**, ERTRAC representative, CEO Fiat Research Center
What is the role of the ETPs' respective technologies in improving safety and security?
- **Risto Kulmala**, eSafety Forum representative, VTT
What are the role the ETPs' respective technologies in developing possible solutions to achieve efficient safety and security of the transport system?

5. Chair and Rapporteur

- Chair: **Jean-Eric Paquet**, Director DG MOVE
Why safety and security are important to achieve sustainable transport?
- Moderator: **Jesús Monclús**, R&D in Transport, EU Programmes Dept, CDTI Spain
- Rapporteur: **Mike McDonald**, Professor University of Southampton

Panel discussion: moderator and speakers

What more is needed in terms of further research, innovation and demand-side measures?

What modalities of interdisciplinary cooperation need to be explored?

How can they be implemented?

Conclusions: chairman