



Strategic Research Agenda ICT for Mobility

eSafety Forum, WG RTD
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Outline of Presentation



- eSafety Forum: eRTD
- SRA ICT for Mobility Dec 2006
- SRA ICT for Mobility: Up-date 2007/08
- General Remarks

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“Baseline Tasks” of the WG RTD

- Advise, Support, Monitor and Review the Development, Implementation and Outcome of the Strategic Research Agenda for “ICT for Mobility”, FP7
- Promote the RTD pillar of the Intelligent Car Initiative
- Survey and support the activities and their synergies at National and EU level
- Promote. Monitor and Guide the R&D contribution to the
 - achievement of Safe, Clean, Efficient and Secure Road Traffic and Transport
 - global competitiveness of the EU Industry.



WG
eRTD's
main
delivery
2006

Strategic Research Agenda **ICT for Mobility**

DECEMBER 2006

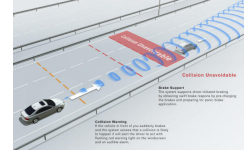
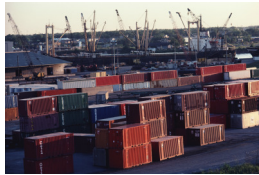


R&D Recommendations by the eSafety WG RTD



6 Areas/Domains:

1. Mobility Services for People
2. Mobility Services for Goods
3. Intelligent Vehicle systems
4. Cooperative Systems
5. Field Operational Tests
6. Horizontal issues



Sept 2007/ Feb 2008 Up-date of SRA ICT for Mobility



Recommendations on forthcoming R&D in ICT for Mobility (FP7 2009 - 2010 ICT Workprogram)

- Coverage of SRA 2006 topics' in the first phase of the ICT 2007-2008 Work programme
- Review of R&D Priorities for the SRA 2006 R&D Areas
Mobility Service for People and Goods, Intelligent Vehicle and Cooperative Systems, FOTs
- Further research needs in ICT Workprogramme 2009-2010
- International R&D Collaboration

SafetyForum
Working Group RTD
December 2007

Recommendations on forthcoming R&D in FP7 ICT for Mobility

Introduction

During 2006 the eSafety Forum (eSF) RTD developed a Strategic Research Agenda (SRA) 2006 for the Intelligent Transport Systems. Recommendations were given for R&D topics to be addressed until 2010 (see Annex 1 to the SRA).

Since then the FP7 program is launched. As a result of the initial calls for proposals and the work of the eSafety Forum the following list of recommendations was developed for the SRA 2006. This list is intended to be used as a guide for the selection of R&D topics in the FP7 2009-2010 ICT Workprogram.

During the 2007-2008 period the eSF has reviewed the progress of the initial calls of FP7 2007-2008. This review has led to the following list of recommendations for R&D topics for FP7 2009-2010.

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Major highlighted items in 2007/08 SRA

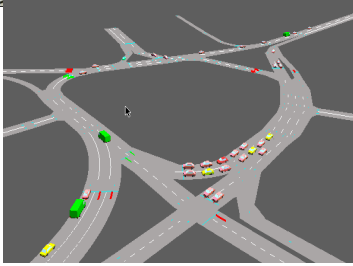
1. **Urban and Inter-Urban Mobility of People and Goods:**
Clean, Safe, Secure and Efficient
2. **Assessment of ICT/ITS systems impact**
in particular regarding clean, safe, efficient road transport
3. **Field Operational Tests**
4. **Intelligent Vehicles and Infrastructures towards Cooperative Systems**
5. **International R&D Collaboration**
 1. Strategic identification of benefits, regions and partner characteristics
 2. US, Canada, Latin America, China, Japan, ...
 3. **Example:** Low-power / low-cost devices for tracking of goods, global harmonisation of the communication interfaces used by such devices. Target regions for collaboration are America and Asia.



Cooperative / ICT Systems for Reduced Environmental Impact



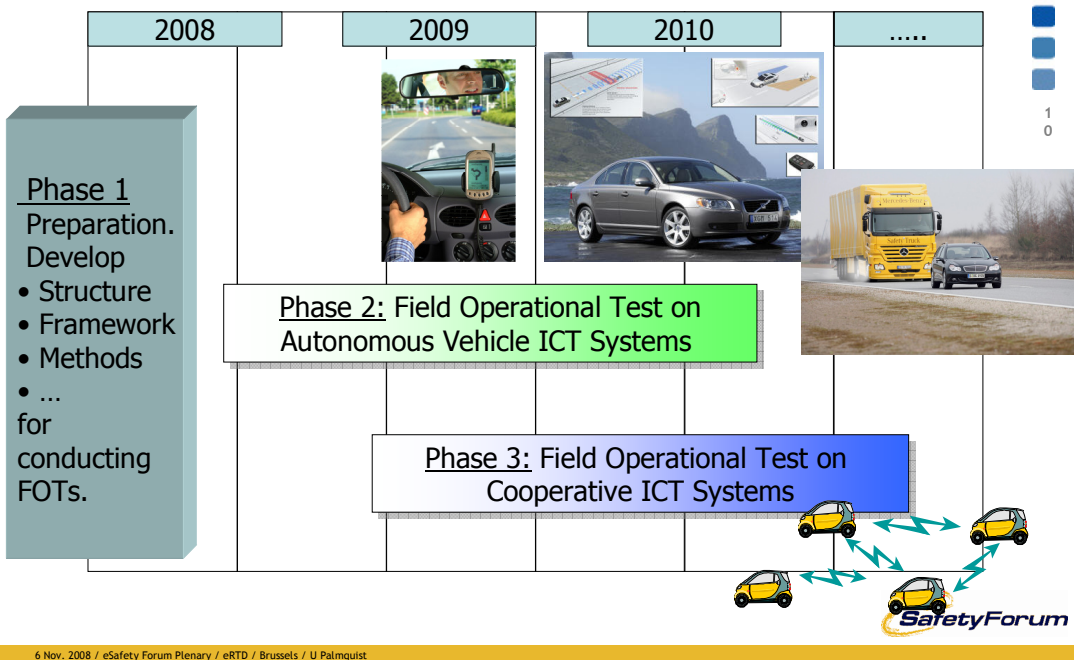
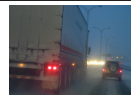
Introduce CO2 traffic lights along congested road, between intersections, to allow drivers to turn off engine for long periods of time without negative impact on travel time.



Introduce CO2 traffic lights on roundabout, to avoid negative effects on CO2 emission with specific traffic condition



Field Operational Tests (FOT) in FP7: Evaluation of ICT functions and their effects in real traffic



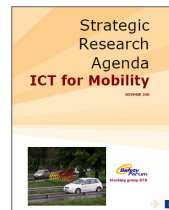
Some General Remarks on “ITS”

- A. Business Model: Still room for improvement
 - ITS is a tool, not the ultimate goal in itself.
- B. Assessment of ICT/ITS systems on Safety, Efficiency, Environment crucial for industrial guidance.
 - Good work by TRACE and eIMPACT.
 - Need to agree on Methods for Assessment
- C. Engagement of “Deployment Actors” needs to be further “strengthen”
 - Driver-Vehicle-Infrastructure; Integrated approach
 - Extend focus from R&D project providers to industry & authorities for realisation
- D. Large potential in making the roads safer and more efficient with sound, liable and wide spread ICT/ITS systems & services



Interested in Details? More Reading?

1. Dec. 2006 SRA ICT for Mobility



2. Up-date 2007/08 SRA ICT for Mobility

3. PDF download from

http://www.esafetysupport.org/en/esafety_activities/esafety_working_groups/research_and_technological_development.htm

or find your way from www.esafetysupport.org

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End of Presentation.
Thank you for your attention!

