The EasyWay project and its Cooperative Systems Task Force

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3rd ETSI TC ITS Workshop
Agenda

- From EasyWay to Cooperative Systems Task Force
- Cooperative Systems Task Force
- First results
- Cooperation with external stakeholders
- EasyWay: follow-up programme of the Euro-Regional Projects 2007 - 2013
- Euro-Regional Projects as Management role in EasyWay
Where can ITS deployment contribute to goals of white paper on “European Transport Policy”? 

- Reduction of congestion by up to 25% and improvement in the quality of travel
- Improving the safety by up to 25%, and thereby contributing to the European overall goal of reducing casualties by 50%,
- CO₂ emission reductions by 10% mainly in urban areas.
EasyWay activities

**EasyWay: towards sustainable mobility**
Increase safety - Improve mobility - Reduce pollution – Deploy European harmonized services

**Political issues**

**A6 – Project Management, Evaluation and Communication**

**A5 – European Expert & Study Groups**
- European studies (Deployment guidelines)
- Cross fertilization and European harmonization

**Solutions to study**

**A7 – Pilots**

**Solutions to deploy**

**A1 – Europe-Wide Traveller Information Services**

**A2 – Europe-Wide traffic management Services**

**A3 – Freight and logistic services**

**Supporting infrastructure**

**A4 – Connected ICT infrastructure**
(Monitoring, processing and data exchange infrastructure)
EasyWay Key points

• An integrated project for Europe-wide ITS deployment on the TERN

• 3 European objectives:
  ▪ Increase road safety,
  ▪ Increase mobility and decrease congestion,
  ▪ Decrease transport burden on the environment

• One mean: deploy European harmonized ITS services
  ▪ 95% of the budget is allocated to deployments
  ▪ A set of 6 European studies set the frame for harmonized deployments

• One project gathering 27 MS and more than 150 TERN operators with associated partners including the automotive industry, telecom operators and public transport stakeholders.

• An efficient platform that allows the European mobility stakeholders to achieve a coordinated and combined deployment of pan-European services

• EasyWay implements most part of the ITS action plan

• Budget: 500 m€, 20% EU funding
Expert and Study Groups

- ESG 1 Europe-wide Traveler Information continuity and co-modality
- ESG 2 Europe-wide Traffic and Network management and co-modality
- ESG 3 Freight and Logistics
- ESG 4 VMS Harmonisation
- ESG 5 DATEX II
- ESG 6 Connected ICT Infrastructure
  - Cooperative Systems Task Force
Cooperative Systems definition

“Road operators, infrastructure, vehicles, their drivers and other road users will cooperate to deliver the most efficient, safe, secure and comfortable journey. The vehicle-vehicle and vehicle-infrastructure co-operative systems will contribute to these objectives beyond the improvements achievable with stand-alone systems.”

~ eSafety Initiative
Procedure for identifying the priority services
First results

Selected EasyWay Priority Services:

- Hazardous location notification
- Traffic jam ahead warning
- Road works warning
- Decentralised floating car data
- Traffic information and recommended itinerary
- In-vehicle signage
- Parking management
EasyWay Priority Services

- Hazardous location notification

Warns the driver for upcoming bad weather & road conditions (slippery road, fog,...).
EasyWay Priority Services

- Traffic jam ahead warning

When the driver approaches the tail end of a traffic jam the system warns the driver.
EasyWay Priority Services

• Road works warning

Informs the driver of ongoing road works and associated obstruction of road traffic in the vicinity.
Informs and advises the driver about the conditions along his/her further route.
EasyWay Priority Services

- Traffic information and recommended itinerary

Recommends a route for the vehicle navigation system...
- to direct driver around congested locations
- to distribute the traffic load on alternative routes
Management of parking spaces by giving a vehicle access to a parking space, if booked, or allowing the use of the parking space.
EasyWay Priority Services

- In-vehicle signage

Traffic sign information is communicated into the vehicles and indicated in the vehicle instrument cluster.
The Cooperative Systems Task Force has been in active cooperation with the Pre-Drive C2X project, involving a number of external stakeholders, especially from the industry.

This is continued by the DRIVE C2X cooperative systems FOT IP 2011-2014. Kick-Off meeting took place on the 28/29 of January with the participation of the current EasyWay Chair Ronald Adams.

In addition, the task force would like to support both CEN TC 278 and ETSI TC ITS for the standardisation of cooperative systems.
Thanks!