Deployment of harmonised ITS services in Europe

A cooperation between European countries (road administrations / operators in Europe)

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EasyWay

- One project founded on 8 regional cooperations
- 23 EU member states, remaining ms observers.
- 3 countries outside the EU
- 2007-2013
- Co-financed by EU (TEN-T programme)
- Deployment
  (Core services + ICT infrastructure)
- Huge potential in such broad cooperation)
EasyWay organisation

European Services

EW SPB

Member States

EW SC

External Stakeholders

EW SEC

TCT

EEG

COMM

Deployments (national/regional)

8 ER SC
- SERTI
- CONNECT
- STREETWISE
- CENTRICO
- ITHACA
- CORVETTE
- VIKING
- ARTS

Studies (horizontal)

6 ESG’s
- ESG1 - TIS
- ESG2 - TM
- ESG3 - FL
- ESG4 - VMS
- ESG5 - DATEX
- ESG6 - ICT
**EasyWay Objectives**

**DEPLOYMENT OF SYSTEMS**
- Monitoring systems
- Communication networks
- Traffic Control Centres
- Variable Messages Signs
- Incident Detection Systems
- Car navigation systems
- Traffic Information Centre

**DEPLOYMENT OF SERVICES FOR EUROPEAN CITIZENS**

**SAFETY**
*For a safe network*
To decrease traffic fatalities 25% in 10 years
Towards a zero traffic fatality

**MOBILITY**
*For a convenient network*
To decrease traffic congestion 25% in 10 years
Towards a zero stress for drivers

**SUSTAINABILITY**
*For an environmental friendly network*
To help decrease CO₂ emission 10% in 10 years
Towards a zero congestion network

**SUSTAINABLE MOBILITY**
Deployment areas

- Traveller Information Services
- Traffic Management services
- Freight and Logistics Services
- Information and Communication Technologies (ICT)
Harmonised deployment of core European ITS services:

- Agreement on a set of ITS services with a common definition – Core European ITS-services

- Common guidelines for deployment including service level in relation to operating environment – Deployment guidelines

- Common references for future deployments – ITS deployment Road Map

Thus will national deployments also contribute to a European transport system
EasyWay work Processes

A strategic work process

A deployment work process

- Vision
- Policy
- Core Services
- Goals
- Road Map
- Deployment
- Deployment guidelines
- Work Plans with detailed milestones
- Current situation
What is the purpose of the EasyWay ITS Deployment Road Map?

- It is a guiding document for the Member States / EasyWay partners in their deployment planning as it defines agreed priorities.
- It communicates EasyWay priorities to the outside world, thus supporting coordinated development.

Providing a ”balanced European view on ITS deployment”
An ITS deployment road map basically has to respond to the questions:

- **What?** The selected Core European services
- **How?** The Deployment Guidelines
- **Where?** Operating Environments
- **When?** The priorities
EasyWay Core European ITS Services

- EasyWay Core European ITS Services are services for European hauliers and travellers, where road operators often play a key role in their implementation and provision. A Core European ITS Service means:
  
  ▪ The travellers and hauliers shall know when and where to expect it
  ▪ It shall offer a minimum level of common content and functionality
  ▪ It shall offer a common “look and feel” when relevant

- The proposed Core European ITS Services are considered to be mature enough and effective enough (in relation to EasyWay scope and objectives) to form the backbone of deployment of ITS services across the Trans European Network for roads (TEN-T road) and on its interfaces with other networks.
EasyWay harmonisation concept – European added value

EasyWay-DG2012

Local ITS-Service Instances
EasyWay Deployment Guideline

**ESG 1 - TIS**
Traveller Information Services
- Forecast and real time event information
- Traffic condition and travel time information
- Speed limit information
- Weather information
- Co-modal traveller information

**TIS Deployment Guideline Annex: Reference Document**

**ESG 2 - TMS**
Traffic Management Services
- Dynamic lane management
- Variable speed limits
- Ramp metering
- Hard shoulder running
- Incident warning and management
- HGV overtaking ban
- Traffic management plan for corridors and networks

**ESG 3 – F&L**
Freight and Logistic Services
- Intelligent truck parking and secure truck parking
- Access to abnormal goods Transport regulations

**Supporting Guidelines and Documents**

**ESG 4 – VMS**
Variable Message Signs
- Variable Message Signs harmonisation Part I
- Variable Message Signs harmonisation Part II

**ESG 5**
DATEXII

**ESG 6 - ICT**
ICT Infrastructure

**EasyWay Operating Environments**
2012 process details

- **Formal MS consultation**
- **Mediation / Amendment** in cooperation with MS
- **Approval by MS requested**
- **Final Amendment**
- **National verification of “frozen” Sep draft**
- **22nd Nov SPB**
- **1st Nov**
- **7th Oct**
- **15th Sep**
- **1st May**

Timeline:
- **2012**: Q1, Q2, Q3, Q4
- **2013**:
- **1st May**
- **22nd Nov SPB**
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Timeline highlights:
- **22nd Nov SPB**
- **1st Nov**
- **7th Oct**
- **15th Sep**
- **1st May**
EasyWay Website

- EasyWay website
  - Deployment Guideline Consultation process
  - Workshops
  - Events
  - Information

http://www.easyway-its.eu
Which is the role of Deployment Guidelines in different development phases?

1. Services can be mature and with wide coverage, but with lack of interoperability
2. Services can be technically well developed, but with limited coverage
3. Services can be in the technical development phase, in a pre-deployment phase

• But they have all been defined as Core European Services, and thus with a need for service harmonization.
A mature service with lack of interoperability

- Current situation provides problems for service users
- Aim with DG’s is to drive harmonization and interoperability to the benefit of users
- A key challenge is to get a wide acceptance among stakeholders with strong positions
- Technology is not a big issue
A mature technology in an early deployment phase

- Aim with DG is to stimulate deployment in new areas and with new stakeholders
- They open up and facilitate access to existing technologies
- Raises the need for complementary mechanisms like user forums, help desks, websites etc.
- Hence also other tools in the toolbox
• The more technically advanced, the greater the need for DG´s
• The more complex organisation, the greater the need for DG´s
• Imagine deployment of cooperative systems without a solid framework of DG´s…
Future ITS services

• Information exchange will be crucial

• DATEX will be even more important
Thanks for your attention

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