Outline

Why Deployment Guidelines in EasyWay?
How are the EasyWay Deployment Guidelines structured?
Which Deployment Guidelines exist?
How are the created: the DG2012 process
Challenges for EasyWay: interaction between working groups to cooperate on Deployment Guideline elements
Conclusions
Harmonisation in EasyWay

What does the EasyWay project want to achieve?

- **Goal**: improvement of the situation on the road regarding safety, efficiency and environment by means of ITS
- **Approach**: use of seamless (i.e. Including cross border) and interoperable ITS services for European road users and hauliers → no geographical, administrative or language barriers
- **Vision**: the road user knows where to expect which ITS services according to the operating environment, all over Europe
- **Action**: development and comprehensive use of coordinated guidelines („Deployment Guidelines“ – DGs) for specific ITS services

**Important**: service harmonisation
  - perception of the service by the road user
  - interoperability of services (external interfaces)

**but not**: standardisation of system internals!
Creation of a pan European understanding of

- long and mid term goals (⇒ General Framework) and benefit of ITS-Services (⇒ ITS-Service Radar)
- (coarse) functional structure of ITS Services ⇒ Functional Requirements
- (coarse) organisation of ITS Services ⇒ Organisational Requirements
- state of the art ⇒ Best Practices (had been the focus of the 2010 guidelines)

Harmonisation of

- visualisation of information to road users (partly also to system operators) ⇒ Common Look & Feel
- criteria for assessing the quality of ITS Services from a road user’s perspective ⇒ Level of Service (LoS)
- Allocating appropriate LoS based on a commonly agreed classification of the European road network TERN ⇒ Operating Environments
- data profiles (DATEX II) and use of appropriate technical standards ⇒ Technical Requirements
EasyWay Harmonisation Concept – European Added Value

EasyWay-DG2012

Use

local ITS-Service instances
Most important new feature in DG2012: part A with binding recommendations!

Common use of language: must, may, ...

Harmonisation requirements on different levels:
- Functional
- Organisational
- Technical (incl. data profiles)
- Common Look & Feel

Service criteria and LoS mapping to EW Operating Environments

Compliance Checklist

(Common) Introduction (~5 pages)
- Concept and use of DGs (incl. “comply or explain” principle)

Part A: Harmonisation Requirements (~10-15 pages)
- Requirements that shall be applied when implementing the ITS core service
  - Service definition
  - Functional / Organisational Requirements
  - Technical Requirements (incl. Reference to standards, where applicable)
  - Common look and feel
  - Level of Service Definition
  - LoS related to Operating Environments – minimum / optimum levels

Part B: Supplementary Information (as many pages as required)

Annex A: Compliance Checklist
First phase in 2011 aimed at enhancing / further develop DG2010 documents

First draft available in October for peer review (160+ reviews, including external stakeholders)

Final draft end of 2011 for formal consultation in 2012
### EasyWay 2: Deployment Guidelines 2012 - Introduction

**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**

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The Document Set

- [www.easyway-its.eu](http://www.easyway-its.eu)
DG enhancement process (2012 – Overview)

- **Formal MS consultation & stakeholder participation**
- **Mediation / Amendment in cooperation with MS**
- **Finalisation**
- **Adoption**

**Key Dates:**
- **1st May**
- **15th Sep**
- **7th Oct**
- **1st Nov**
- **20th Nov SPB**

**Enquiry Details:**
Final enquiry based on “frozen” Oct draft
DG enhancement process (2012 – Details)

A lot of coordination and cooperation is required!

18/19th Apr DG WS
27th Mar TCT
1st Feb TCT

Formal MS consultation & stakeholder participation

5th Sep TCT
22nd Aug Coord WS
Jul MS consensus WS
20/21 Jun Coord WS
24th May SPB Reporting
9 May TCT

1st May

15th Sep

7th Oct

Final enquiry based on “frozen” Oct draft

1st Nov

20th Nov SPB Adoption

31st Oct TCT
17th Oct TelCo

2nd Oct Coord WS
24th May SPB Reporting
5th Sep TCT

DATEX II User Forum - Stockholm - 20/21 March 2012
The focus of the Deployment Guidelines is on the service oriented working groups (ESGs) 1-3: TIS, TMS & FLS

The other working groups have a supporting role, providing particular elements of harmonisation and interoperability

Interaction between working groups required to cooperate on these Deployment Guideline elements

- ESG4 provides guidelines for VMS harmonisation
- **ESG5 provides tools and support to create data profiles**
- ESG6 provide a network classification (operating environments) to match level of service criteria against

There was not much experience in EasyWay regarding this collaboration exercise
The DG2012 have taken a substantial next step towards harmonised ITS deployment in Europe by providing binding requirements for harmonisation and interoperability of ITS core (sub-)services.

There are different types of elements of harmonisation; one is harmonised data interfaces (using DATEX II).

The Deployment Guidelines make use of the DATEX II profiling feature by defining harmonised DATEX II profiles for their particular (sub-)services.

The DATEX community (ESG5) and the Deployment Guideline authors have to cooperate to create these profiles – this was a new experience.

The rest of this session will provide feedback from this experience and intends to launch a discussion.