Framework for the Deployment of Intelligent Transport Systems

Directive 2010/40/EU

{Name>
European Commission

September 2010
ITS Deployment Framework

*Directive 2010/40/EU*

- Background & Objectives
- Priorities
- Specifications, Standards & Deployment
- Procedures & Timing
Challenges of Road Transport

- **Road congestion**
  economic losses of ~1 % GDP (125 billion €)

- **Road Safety**
  > 35,000 citizens killed on the road per year

- **Climate Change**
  » 71 % of transport CO₂ emissions from road
  » growing CO₂ emissions from transport
  if business-as-usual (2010-50: + 25 %)

>> Response cannot be focused on expansion of infrastructure
Intelligent Transport Systems (ITS)

Use of information and communication technologies in transport

Examples for road transport

» dynamic traffic management
» real-time traffic information
» satellite navigation, tracking & tracing
» multi-modal journey planners
» electronic toll collection
» in-vehicle safety systems
Status of ITS Deployment in Europe

- Fast technical development
  > mature applications
- Fragmented and uncoordinated deployment
- Little continuity of services
- Low degree of intermodality

>> Patchwork of national, regional and local solutions
EU Policies on ITS


**Directive 2010/40/EU**: Framework for the Coordinated and Effective Deployment and Use of Intelligent Transport Systems

**Road transport** and interfaces with other modes

» coordinate and accelerate deployment of ITS

» make road transport more sustainable
Directive 2010/40/EU

Framework for the Coordinated and Effective Deployment and Use of Intelligent Transport Systems

Objectives

- Establishing a framework for coordinated and effective deployment and use of ITS
- Setting common priorities
- Development of specifications and standards
Priority Areas

- Optimal Use of Road, Traffic and Travel Data
- Continuity of Traffic and Freight Management
- Road Safety and Security
- Linking Vehicle and Transport Infrastructure

- 6 Priority Actions > see next slides
- all defined in Annex I
EU-wide Multi-Modal Travel Information

SOURCE: European Commission
EU-wide Real-Time Traffic Information

SOURCE: ADAC
Free Safety-Related Minimum Traffic Information
Interoperable EU-wide eCall

SOURCE: European Commission
Information Services for Truck Parking

SOURCE: stock.xchng - onatos
Specifications

- Aims: compatibility, interoperability and continuity
- Binding measures (requirements, procedures, etc.)
- Functional, technical, organisational, service provisions
- Possible conditions for additional national rules
- Based on standards (where appropriate)
- Impact assessment and cost-benefit analysis prior to adoption
Deployment of ITS

Member States

» ensure use of specifications when ITS is deployed

» cooperate in respect of priority areas

» deployment obligation only after adoption of subsequent co-decision proposal
Principles for Deployment

- intermodality
- continuity of services
- equality of access
- interoperability
- quality of time and position
- maturity
- effectiveness
- cost-efficiency
- proportionality
- backward compatibility
- respect for existing infrastructure
- coherence with EU policies
- equality of access
- intermodality
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Standards, Non-Binding Measures

- Development of standards for interoperability, compatibility and continuity
  - mandates to standardisation bodies

- Commission may adopt guidelines and other non-binding measures to facilitate cooperation
Privacy and Liability

Member States to ensure …

- Existing Union rules on **privacy**
  - protection of personal data, data minimisation, anonymity, purpose limitation (= privacy by design)
  - Directives 95/46/EC and 2002/58/EC

- Specifications in accordance with Union law and national legislation on **liability**
  - Directives 85/374/EEC and 1999/34/EC (liability for defective products)
  - if necessary, Commission guidelines on liability
Procedure: Delegated Acts

- Art. 290 TFEU (Treaty on the Functioning of the EU)
  - legislative act may delegate to the Commission the power to adopt non-legislative acts
  - to supplement or amend certain non-essential elements of the legislative act
- ITS Directive
  - power granted to Commission for 7 years
  - can be revoked by Council or EP
- Notification of delegated act to Council and EP
  - objection within 2 months (poss. extension by 2 month)
  - if no objection, delegated act enters into force
Timeline

- **26 Aug**
  - Directive in force

- **Aug**
  - eCall
  - Free min traffic information
  - Truck parking information

- **Real-time information**
- **Truck parking reservation**

- **Aug**
  - First specs to be ready

- **Feb**
  - National ITS Plans

- **Aug**
  - National Reports

- **Aug**
  - COM Report on Delegation
  - National Reports

- **Aug**
  - National Reports

- **Aug**
  - COM Report

- **Aug**
  - Delegation ends

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**Directorate-General for Mobility and Transport**

In Brief …

1. ITS can save 10-15% fatalities, congestion and CO₂ emissions

2. ITS Directive and Action Plan to accelerate ITS deployment across Europe

3. First EU-wide legislative basis for a coordinated deployment of road ITS (and interfaces)

4. Directive foresees development of (binding) specifications but no deployment obligations

5. Key objectives of interoperability and continuity of services
ITS Directive and Action Plan

http://ec.europa.eu/transport/its/road/action_plan_en.htm

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