

The European legislation on road infrastructure safety management

- European Commission
- Directorate General Energy & Transport
- "Road Safety" Unit

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Focus on Road infrastructure: Today's main problems

- Decreasing budgets for road infrastructures vs. more attention to the level of safety of roads
- Inability of "old" roads to absorb the increasing traffic
- "High risk road sections" (even on modern roads!)
- Various levels of responsibility within each Member State (inefficient organisation)
- Heterogeneous signs, signals, road markings, road side features (even in a single Country!)

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Infrastructure Safety?




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Road infrastructure safety management Remedial measures

Protected light columns

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Road infrastructure safety management Remedial measures



Safe and effective safety barriers transition

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Road infrastructure safety management Remedial measures



Safety zone before unprotected rock

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Road Infrastructure Safety Management: Objectives

Scope: the trans-European road network (about 90.000 km) ...

- ... To bring about a common high level of safety of roads in all EU Member States
- ... To ensure that safety is integrated in all phases of planning, design and operation of road infrastructure
- ... To use the limited funds for more efficient construction and maintenance of roads

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A coherent package of measures

- **Safety Impact Assessment** (new roads - pre-design phase)
- **Safety Audits** (new roads - design, construction & early operational phases)
- **Network Safety Management** - management of "High accident concentration sections" (existing roads)
- **Safety Inspections** (existing roads)

EU Legislation adopted on 19 Nov. 2008, in force by 19 Dec. 2010 (Directive 2008/96)

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Direct Impact on Safety

- **600 fatalities and 7000 injury accidents** per year if applied on TEN roads *
- **1.300 fatalities** per year could be saved if the safety management would be applied to the main road network in the EU *
- According to the monetary estimations of the White Paper, this corresponds to **5 billions €** per year

* Font: Thematic network ROSEBUD

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Timing

- **By Dec. 2010:** Member States will have to "bring into force the laws, regulations & administrative provisions necessary to comply with this directive. They shall forthwith communicate to the Commission the text of those provisions";
- **By Dec. 2011:** Member States will have to adopt "guidelines in order to support the competent entities" (i.e. public or private organisations involved in the implementation of the Directive);
- **Ditto** for adopting curricula for auditors.

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And also ...

- Exchange of knowledge & best practices (to be organised by the Commission)
- Adaptation of annexes to technical progress: "the Commission shall be assisted by a Committee" (regulatory procedure)
- NGOs may be consulted on technical issues



Which procedures?

Detailed content of the procedure is left to Member States:

- Those who already have a well established procedure shall use it,
- Those who have no procedure shall,
 - either set up their own procedure,
 - or adopt the procedure from another Member State,
 - or use the procedure recommended by a RTD project recently completed (RIPCORDER-ISEREST*)

* http://ec.europa.eu/transport/road_safety/publications/projectfiles/ripcorder-iserest_en.htm



Thematic networks funded by EC in the field of Infrastructure Safety

- IASP – Identification of Hazard Location and Ranking of Measures to Improve Safety
- ROSEBUD – Road Safety and Environmental Benefit-Cost and Cost-Effectiveness Analysis for Use in Decision-Making
partnet.vtt.fi/rosebud/
- EuroRAP II – European Road Assessment Programme
www.eurorap.org
- FORMAT – Fully Optimised Road Maintenance
www.rws.nl/rws/dww/home/format/
- IMPROVER – Impact Assessment of Safety Measures for Vehicles and Road Equipment



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- RIPCORDER/ISEREST – Road Infrastructure Safety Protection
www.ripcorder-iserest.com/
- RANKERS – Ranking for European Road Safety
www.rankers-project.com/
- IN-SAFETY – Infrastructure and Safety
www.insafety-eu.org/
- RISER – Roadside Infrastructure for Safer Roads
www.riser-project.com/
- EURO AUDITS – European Road Safety Auditor Training Syllabus



Websites on Europa [http://ec.europa.eu/...](http://ec.europa.eu/)

- Commission transport website
... transport/index_en.html
- Road safety section
... transport/road_safety/index_en.htm
- CARE (the EU road accident data base)
... transport/care/index_en.htm
- Charter
... transport/road_safety/charter.htm



**Thank you
for your attention!**

