

Electric safety requirements in European Community vehicle type-approval legislation

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Ferenc PEKÁR
Automotive Industry Unit



European Commission
Enterprise and Industry

European Community type-approval

- Regulated by Directive 2007/46/EC (the “new” Framework Directive)
- Applicable as of 29 April 2009
- Replacing Directive 70/156/EEC
- Mandatory application of EC whole-vehicle type-approval to all vehicle categories irrespective of their means of propulsion

European Community type-approval

- Procedure whereby a Member State certifies that a type of vehicle satisfies the relevant administrative provisions and technical requirements relating to:
 - active and passive safety
 - protection of the environment
 - performance and other issues
- Objective:
 - to enable vehicles to be put on the market according to common requirements
 - to ensure the proper functioning of the internal market in the EU
- The concept is also applicable to components and systems

European Community type-approval

- Same harmonised technical provisions in all 27 Member States;
- Mutual recognition of approvals;
- Legislation is constantly adapted to the evolution of the construction of vehicles;
- 61 separate technical directives dealing with technical provisions to be complied with - Annex IV (part I) of Directive 2007/46/EC;
- UNECE regulations recognised as an alternative to directives or regulations mentioned in Part I - Annex IV (part II) of Directive 2007/46/EC.

Electric vehicles

- Until now, out of scope of “old” Framework Directive (70/156/EEC)
- Thus, type-approved nationally
- Will change with applicability of “new” Framework Directive 2007/46/EC
- But: no specific technical requirements included in Dir. 2007/46/EC for electric vehicles

UNECE Regulation 100 on battery electric vehicles

- Community has acceded to Regulation 100
- Not applicable to EU type-approval on a mandatory basis

Commission approach

- Work programme 2009 presented at 2 February meeting of Motor Vehicles Working Group (MVWG):
 - prepare proposal for Council Decision to make Reg. 100 mandatory for type-approval on the basis of Article 34 of Framework Directive
 - prepare comitology amendment of Framework Directive's annexes to accommodate electric vehicles.
- http://ec.europa.eu/enterprise/automotive/mvwg_meetings/meeting113/work_programme.pdf

Commission approach

- Note on placing on the market of electric vehicles at Technical Committee Motor Vehicles (TCMV) meeting of 15 April 2009:

http://ec.europa.eu/enterprise/automotive/tcmv_meetings/docs/note_electric_vehicles.pdf

General Safety regulation

- Proposal for a REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning type-approval requirements for the general safety of motor vehicles [COM(2008) 316 final]
- http://ec.europa.eu/enterprise/automotive/safety/new_package.htm
- Adopted in first reading in co-decision
- Amendment to Article 5 – requirements and tests
- Includes electric safety in implementing measures to be adopted by comitology by end 2010
- Provides safeguard to adopt requirements for electric vehicles.

THANK YOU FOR YOUR ATTENTION!