Electric safety requirements in European Community vehicle type-approval legislation

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European Community type-approval

- 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](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](http://ec.europa.eu/enterprise/automotive/tcmv_meetings/docs/note_electric_vehicles.pdf)
General Safety regulation

- 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!