



European Commission

• **SGS-1-1**

Enterprise and Industry Directorate General

Development of an EU Regulation for the type-approval of hydrogen vehicles

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**Ferenc Pekár
Automotive Industry Unit
Enterprise and Industry Directorate-General
European Commission**

Concept of 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 (in all 27 Member States)
 - to ensure the proper functioning of the internal market in the EU
- The concept is also applicable to components and systems

Underlying drivers of the proposal

- **The common EU type-approval framework of hydrogen vehicles should be provided in order to ensure:**
 - functioning of the EU internal market
 - supporting the deployment of hydrogen technology
 - thus ensuring environmental and safety benefits for the society
- **The proposal will:**
 - aid the approval and placing on the market of vehicles using hydrogen
 - bring environmental benefits sooner
 - contribute to the confidence in the new technology for potential users and the public at large.

Background (1)

EIHP (European Integrated Hydrogen Project)

- Funded by the European Commission**
- Developed two draft proposals (liquid and compressed H₂) concerning the safety aspects of hydrogen components and systems to be installed in vehicles**
- Similar structure to current UNECE Regulations 67 (LPG) and 110 (CNG)**

Background (2)

- **Legislative approach: Split Level Approach**
- **The Regulation will comprise two parts:**
 - 1. Regulation of the European Parliament and the Council**
 - the ‘political’ part
 - outlines the principal elements of the proposal and of the requirements
 - will be adopted by the European Parliament and the Council through co-decision;
 - 2. Commission Regulation**
 - The ‘technical’ part
 - will contain detailed technical requirements, references to standards, etc.
 - will be adopted by the Commission through the comitology process - CATP (Committee for the Adaptation to Technical Progress).
- **The approach already used in a number of cases: Euro 5 and 6, MACs, etc.**

Content of the Proposal

- **The proposal specifies technical requirements to be applied for the type-approval of hydrogen components (containers and components other than containers) included in the hydrogen system**
- **In addition, it includes requirements for the installation of these components or systems in vehicles.**

Stakeholder consultation

- Continuous discussion took place with the Hydrogen Working Group (involvement of Commission services, industry, Member States, technical services)
- 5 meetings of H2 WG between March 2006 - September 2007
- An internet public consultation took place in August-September 2006 on the preliminary draft proposal
- Documents are available at http://ec.europa.eu/enterprise/automotive/wgh_meetings/index.htm

Next steps

- The adoption of the co-decision proposal is on the agenda of the Commission for 10 October 2007
- It will be accompanied by an impact assessment
- The European Parliament and the Council will start negotiations on the Commission's proposal
- In parallel, the development of the technical implementing measures will start.



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THANK YOU
for your attention

Ferenc Pekár
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Enterprise and Industry Directorate-General
European Commission