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

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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.
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)
• **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.
THANK YOU for your attention

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