

PROPOSAL FOR DRAFT AMENDMENTS TO  
THE 05 SERIES OF AMENDMENTS TO REGULATION No. 85  
TO INTRODUCE HYDROGEN (H<sub>2</sub>) AS PROPULSION FUEL

## INTRODUCTION

Within the framework of the European Integrated Hydrogen Project (EIHP) the proposed amendment to the Vehicle Regulation No 85 to introduce hydrogen as a propulsion fuel, as reproduced below, was prepared by BMW and the spanish technical service INTA.

### List of contents, annexes,

Insert a new paragraph 5.2.3.5., to read (scope) :

- 5.2.3.5. For postive ignition engines fuelled with H<sub>2</sub> :  
The fuel used shall be the one available on the market. In any case of dispute, the fuel shall be the reference fuel as defined in DIN ISO / FDIS 14687

### Annex 1

Item 1.11., amend to read :

- 1.11. Fuel : leaded petrol / unleaded petrol / diesel oil / LPG / NG / H<sub>2</sub><sup>3/</sup> :

Add a new item 3.2.5.; to read :

- 3.2.5. By H<sub>2</sub> fuelling system: yes / no<sup>3/</sup>

Add a new item 3.2.5.1.; to read :

- 3.2.5.1. Approval number according to Regulation No. 67

Add a new item 3.2.5.2.; to read :

- 3.2.5.2. Electronic Engine management Control Unit for H<sub>2</sub> fuelling :

Add a new item 3.2.5.3.; to read :

- 3.2.5.3. Make(s):.

Add a new item 3.2.5.4.; to read :

- 3.2.5.4. Type:

Add a new item 3.2.5.5.; to read :

3.2.5.5. Emission related adjustment possibilities :

Add a new item 3.2.5.6.; to read :

3.2.5.6. Further documentation :

Add a new item 3.2.5.6.1.; to read :

3.2.5.6.1. Description of the safeguarding of the catalyst at switch-over from petrol to H<sub>2</sub> or back :

Add a new item 3.2.5.6.2.; to read :

3.2.5.6.2. System lay-out (electrical connections, vacuum connections, compensation hoses, etc.) :

Add a new item 3.2.5.6.3.; to read :

3.2.5.6.3. Drawing of the symbol:

Annex 3,

Item 11.3.; amend to read :

11.3. Fuel : leaded petrol / unleaded petrol / diesel oil / LPG / NG / H<sub>2</sub><sup>2/</sup> :