

## **Proposal for a new Supplement to UN Regulation No. 85**

This document aims at permitting the use of hydrogen (H<sub>2</sub>) as fuel for type approval of heavy duty vehicles.

The modifications to the current text of the Regulation are marked in bold for new or strikethrough for deleted characters.

### **I. Proposal**

*Insert new paragraph 5.2.3.7., to read:*

**"5.2.3.7 For positive ignition engines, compression ignition engines and dual-fuel engines fuelled with hydrogen**

**The fuel used shall be the one available on the market. In any case of dispute, the fuel shall be the fuel specified in ISO14687:2019 as grade D."**

### **II. Justification**

1. Hydrogen fuelled vehicles are covered in UN Regulation 83, but hydrogen is not yet covered in UN Regulation R49 and UN Regulation R85
  2. Hydrogen fuelled engines could be one complementary option to reduce CO<sub>2</sub> emission of future heavy duty vehicles
  3. Thus hydrogen fuel should be integrated in UN Regulation 49 and UN Regulation 85 for better alignment with UN Regulation 83
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