



**OICA PROPOSAL FOR AMENDMENTS  
TO DOCUMENT TRANS/WP29/GRSG/2002/11  
(PROPOSAL FOR A NEW REGULATION ON HEATING SYSTEMS)**

**A. Proposal**

**a. Annex 1, part 1, appendix 1, amend and re-number as follows:**

**"0. GENERAL**

**0.1.** Make (trade name of manufacturer): .....

**0.2. Type and general commercial description(s):** .....

**0.3.** Means of identification of type, if marked on the vehicle: .....

**0.4.** Location of that marking: .....

**0.5.** Category of vehicle: 1/ .....

**0.6.** Name and address of manufacturer: .....

**0.7.** Address(es) of assembly plant(s): .....

**1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE**

**1.1.** Photographs and/or drawings of a representative vehicle:

**2. POWER PLANT**

**2.1. Manufacturer's engine code:**.....  
(as marked on the engine, or other means of identification)

**2.2. Working principle:** positive ignition/compression ignition, four stroke/two stroke

**2.3. Number and arrangement of cylinders:**.....

**2.4. Maximum net power:**.....kW at .....min<sup>-1</sup> (manufacturer's declared value)

**2.5. Cooling system (liquid/air)**

**2.6. Nominal setting of the engine temperature control mechanism:**.....

**2.7. Pressure charger:**yes/no

**2.7.1. Type(s):**.....

**2.7.2. Description of the system (e.g. maximum charge pressure: .....kPa, wastegate if applicable)**

...

~~4.~~ **ADDITIONAL INFORMATION**

~~4.1.~~ **Heating system using heat from the engine cooling fluid/exhaust gases/engine cooling air**  
.....

~~4.2.~~ **Combustion heaters, if any:** .....

~~5.~~ **REMARKS:** ....."

**b. Annex 1, part 2, appendix 1, Section II, add a new item 10 to read as follows:**

"10. The vehicle is approved according to the requirements of Annex 9 (ADR): YES/NO"

**c. Annex 3, paragraph 1, amend the reference to paragraph 5.2. to become a reference to paragraph 6.2.:**

"1. The requirements set out in paragraph ~~5.2.~~ 6.2. of this regulation..."

**d. Annex 3, paragraph 4.1., amend the reference to paragraph 6.1.3. to become a reference to paragraph 4.:**

"4.1. ... in the case referred to in paragraph ~~6.1.3.~~ 4.;"

**e. Annex 5, paragraphs 2 and 3, amend to read:**

"2. The surface temperature of any part of the heating system likely to come into contact with any driver or passenger of the vehicle during normal road use shall be measured with a contact thermometer. No such part or parts shall exceed a temperature of 70 °C for uncoated metal or 80 °C for other materials.

2.1. In the case of exposed parts of the heating system outside the passenger compartment, and in the case of overheating, the temperature shall not exceed 110°C.

2.2. In the case of vehicles of categories M1 and N, no part of the system likely to come into contact with seated passengers during normal road use of the vehicle, with the exception of the outlet grille, shall exceed a temperature of 110 °C.

2.3. In the case of vehicles of categories M2 and M3, no part of the system likely to come into contact with passengers during normal road use of the vehicle shall exceed a temperature of 70 °C for uncoated metal or 80 °C for other materials.

3. The temperature of the heated air entering the passenger compartment shall not exceed 150 °C to be measured at the centre of the outlet."

**B. Justification**

These amendments are proposed to correct the first version of the proposal (document TRANS/WP29/2002/11) in order to better fit the current text of the Directive 2001/56/EC.