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Item 4.3.7 of the provisional agenda

1958 Agreement – Consideration of draft

amendments to existing Regulations proposed by GRSG

Proposal for Supplement 2 to Regulation No. 122 (Heating systems of vehicles)

Submitted by the Working Party on General Safety Provisions *

The text reproduced below was adopted by the Working Party on General Safety (GRSG) at its ninety-eighth session in order to introduce provisions for electric heating systems. It is based on ECE/TRANS/WP.29/GRSG/2009/22, as amended by the report (ECE/TRANS/WP.29/GRSG/77 and ECE/TRANS/WP.29/GRSG/77/Corr.1, para. 26). It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration.

* In accordance with the programme of work of the Inland Transport Committee for 2006–2010 (ECE/TRANS/166/Add.1, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

Paragraph 5.3., amend to read:

“5.3. Vehicle Installation Requirements for Combustion Heaters and for Electric Heaters”

Paragraph 5.3.1.1., amend to read:

“5.3.1.1. Subject to paragraph 5.3.1.2., heaters shall be installed according to the requirements of paragraph 5.3.”

Paragraph 5.3.2., amend to read:

“5.3.2. Positioning of heater”

Paragraph 5.3.2.2., amend to read:

“5.3.2.2. The heater shall not constitute a risk of fire, even in the case of overheating. This requirement shall be deemed to be met if the installation...”

Paragraph 5.3.2.4., amend to read:

“5.3.2.4. The label referred to in Annex 7, paragraph 1.4, or a duplicate, must be positioned so that it can be easily read when the combustion heater is installed in the vehicle.”

Paragraph 5.3.3., amend to read:

“5.3.3. Fuel supply of Combustion Heaters”

Paragraph 5.3.4., amend to read:

“5.3.4. Exhaust system of Combustion Heaters”

Paragraph 5.3.5., amend to read:

“5.3.5. Combustion air inlet of Combustion Heaters”

Paragraph 5.3.8., amend the title to read:

“5.3.8. Automatic control of the combustion heating system”

Paragraph 6.1.3., amend to read:

“6.1.3. “*Type of heating systems*” means devices which do not differ in essential respects such as:

- Energy supply (e.g. liquid fuel or electricity),
- Transfer medium (e.g. air or water),
- ...”

Insert a new paragraph 6.1.5., to read:

“6.1.5. “*Electric heater*” means a device using electric energy from an onboard or external source to increase the temperature of the interior of the vehicle. Electrical devices which are installed in addition to the main heating system are not considered as electric heaters according to this Regulation. Besides electric devices installed in components for the sole purpose of heating that component are not considered as electric heaters according to this Regulation.”

Paragraph 6.2.1., the table, add a new line, to read:

“

Heating system	Vehicle category	Annex 4 Air quality	Annex 5 Temperature	Annex 6 Exhaust	Annex 8 LPG safety
...
Liquid fuel heater See Note 2	M	Yes	Yes	Yes	
	N	Yes	Yes	Yes	
	O	Yes	Yes	Yes	
Electric heater	M		Yes		
	N		Yes		
	O		Yes		

”