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Item 4.8.8 of the provisional agenda

1958 Agreement:

**Consideration of draft amendments to
existing UN Regulations submitted by GRSG**

Proposal for Supplement 5 to UN Regulation No. 122 (Heating systems)

Submitted by the Working Party on General Safety Provisions*

The text reproduced below was adopted by the Working Party on General Safety Provisions (GRSG) at its 115th session (ECE/TRANS/WP.29/GRSG/94, para. 55). It is based on ECE/TRANS/WP.29/GRSG/2018/21 and ECE/TRANS/WP.29/GRSG/2018/22 as reproduced in Annex IV to the report. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee AC.1 for consideration at their March 2019 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2018–2019 (ECE/TRANS/274, para. 123 and ECE/TRANS/2018/21/Add.1, Cluster 3.1), the World Forum will develop, harmonize and update UN regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

Supplement 5 to UN Regulation No. 122 (Heating systems)

Paragraph 5.3., amend to read:

"5.3. Vehicle Installation Requirements for Combustion Heaters, Electric Heaters and Heat Pump Heating Systems."

Paragraph 6.1.5., amend 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 and whose main function is not to heat the interior of the vehicle are not considered as electric heaters according to this Regulation. For example, electric devices installed in components for the sole purpose of heating that component are not considered as electric heaters according to this Regulation."

Add a new paragraph 6.1.6., to read:

"6.1.6. *"Heat pump heating system"* means any type of thermodynamic heating device deemed to make use of renewable energy that draws calories from one environment (air or water) in order to transfer them to another with a view to increasing the temperature of the interior of the vehicle. Heat pump heating systems which are installed in addition to the main heating system and whose main function is not to heat the interior of the vehicle are not considered as heat pump heating systems according to this Regulation."

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

"

<i>Heating system</i>	<i>Vehicle category</i>	<i>Annex 4 Air quality</i>	<i>Annex 5 Temperature</i>	<i>Annex 6 Exhaust</i>	<i>Annex 8 LPG safety</i>
...
Heat pump	M	Yes	Yes		
	N	Yes	Yes		
	O	Yes	Yes		

"