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**Economic Commission for Europe****Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****Working Party on General Safety Provisions****113th session**

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Item 11 of the provisional agenda

**Regulation No. 122 (Heating systems)****Proposal for Supplement 4 to Regulation No. 122 (Heating systems)****Submitted by the expert from France\***

The text reproduced below was prepared by the expert from France and proposes an amendment to UN Regulation No. 122 on the application of the annexes for heaters located outside the passenger compartment and using water as a transfer medium. It is based on informal document GRSG-112-10 distributed during the 112th session of the Working Party on General Safety Provisions (GRSG) (see report ECE/TRANS/WP.29/GRSG/91, para. 52). The modifications to the current text of UN Regulation No. 122 are marked in bold characters.

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\* In accordance with the programme of work of the Inland Transport Committee for 2016–2017 (ECE/TRANS/254, para. 159 and ECE/TRANS/2016/28/Add.1, cluster 3.1), 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.



## I. Proposal

Paragraph 6.2.1., amend to read:

"6.2.1. The following table indicates which annexes apply to each type of heating system within each vehicle category:

<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>
Engine waste heat - water	M				
	N				
	O				
Engine waste heat - air See Note 1	M	Yes	Yes		
	N	Yes	Yes		
	O				
Engine waste heat - oil	M	Yes	Yes		
	N	Yes	Yes		
	O				
Gaseous fuel heater - See Note 2	M	Yes	Yes	Yes	Yes
	N	Yes	Yes	Yes	Yes
	O	Yes	Yes	Yes	Yes
Liquid fuel heater See Note 2	M	Yes	Yes	Yes	
	N	Yes	Yes	Yes	
	O	Yes	Yes	Yes	
Electric heater See Note 2	M		Yes		
	N		Yes		
	O		Yes		

Note 1: Heating systems which comply with the requirements of Annex 3 are exempt from these test requirements.

Note 2: **Heaters** located outside the passenger compartment, using water as a transfer medium, are deemed to comply with Annexes 4 and 5."

## II. Justification

All heaters located outside the passenger compartment and using water as a transfer medium do not need to fulfil the annexes on air quality and temperature without restriction to combustion heaters only.