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Item 4.7.2 of the provisional agenda

**1958 Agreement – Consideration of draft amendments
to existing Regulations submitted by GRPE****Proposal for Supplement 4 to the 06 series of amendments to
Regulation No. 83 (Emissions of M₁ and N₁ vehicles)****Submitted by the Working Party on Pollution and Energy ***

The text reproduced below was adopted by the Working Party on Pollution and Energy (GRPE) at its sixty-eighth session (ECE/TRANS/WP.29/GRPE/68, para. 25). It is based on ECE/TRANS/WP.29/GRPE/2014/3, as amended by para. 25. of the report and ECE/TRANS/WP.29/GRPE/2014/7, not amended. 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 2012–2016 (ECE/TRANS/224, para. 94 and ECE/TRANS/2012/12, 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.

GE.14-21653



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Insert a new paragraph 1.2., to read:

"1.2. The following do not need to be approved according to this Regulation: vehicles of reference mass between 2,380 kg and 2,610 kg with engines to which an approval to Regulation No. 49 has been granted as an extension."

Paragraph 5.3.1.4., Table 1, add note 2 to read:

"5.3.1.4. Subject to the requirements of paragraph 5.3.1.5. the test shall be repeated three times. The results are multiplied by the appropriate deterioration factors obtained from paragraph 5.3.6. and, in the case of periodically regenerating systems as defined in paragraph 2.20., also must be multiplied by the factors K_i obtained from Annex 13. The resulting masses of gaseous emissions and, in the case of vehicles equipped with compression-ignition engines, the mass of particulates obtained in each test shall be less than the limits shown in the Table 1 below:

Table 1
Emissions limit

		Limit values														
Category	Class	Reference mass(RM) (kg)	Mass of carbon monoxide (CO)		Mass of total hydrocarbons (THC)		Mass of non-methane hydrocarbons (NMHC)		Mass of oxides of nitrogen (NO _x)		Combined mass of hydrocarbons and oxides of nitrogen (THC + NO _x)		Mass of particulate matter (PM)		Number of particles (P)	
			L ₁ (mg/km)	CI	L ₂ (mg/km)	CI	L ₃ (mg/km)	CI	L ₄ (mg/km)	CI	L ₂ + L ₃ (mg/km)	CI	L ₅ (mg/km)	CI	L ₆ (number/km)	CI
M	-	All	1,000	500	100	-	68	-	60	180	-	230	4.5	4.5	-	6.0 x 10 ¹¹
N ₁	I	RM ≤ 1,305	1,000	500	100	-	68	-	60	180	-	230	4.5	4.5	-	6.0 x 10 ¹¹
	II	1,305 < RM ≤ 1,760	1,810	630	130	-	90	-	75	235	-	295	4.5	4.5	-	6.0 x 10 ¹¹
	III	1,760 < RM ²	2,270	740	160	-	108	-	82	280	-	350	4.5	4.5	-	6.0 x 10 ¹¹
N ₂	-	All	2,270	740	160	-	108	-	82	280	-	350	4.5	4.5	-	6.0 x 10 ¹¹

Key: PI = Positive Ignition, CI = Compression Ignition

Notes:

¹ Positive ignition particulate mass standard shall apply only to vehicles with direct injection engines.

² Includes M₁ vehicles that meet the "specific social needs" definition.

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