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INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations

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Item 4.2.14 of the provisional agenda

1958 AGREEMENT

Consideration of draft amendments to existing Regulations

Proposal for amendments to the 06 series of amendments to Regulation No. 49
(Emissions of C.I. and P.I. (NG and LPG) engines)

Submitted by the Working Party on Pollution and Energy */

The text reproduced below was prepared by the expert from the European Commission on the basis of informal document No. GRPE-57-22. The Working Party on Pollution and Energy (GRPE) had agreed, at its fifty-seventh session, to submit this proposal for consideration to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1), subject to a final review by GRPE at its June 2009 session (ECE/TRANS/WP.29/GRPE/57, para. 16).

*/ 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 performance of vehicles. The present document is submitted in conformity with that mandate.

Paragraph 1.1., amend to read:

- "1.1. This Regulation shall apply to motor vehicles of categories M₁, M₂, N₁ and N₂ with a reference mass exceeding 2,610 kg and to all motor vehicles of categories M₃ and N₃. 1/

At the request of the manufacturer, the type approval of a completed vehicle given under this Regulation shall be extended to its incomplete vehicle with a reference mass below 2,610 kg. Type approvals shall be extended if the manufacturer can demonstrate that all bodywork combinations expected to be built onto the incomplete vehicle increase the reference mass of the vehicle to above 2,610 kg.

At the request of the manufacturer, the type approval of a vehicle granted under this Regulation shall be extended to its variants and versions with a reference mass above 2,380 kg provided that it also meets the requirements relating to the measurement of greenhouse gas emissions and fuel consumption.

Table A: APPLICABILITY

Vehicle category <u>1/</u>	Positive-ignition engines			Compression-ignition engines	
	Petrol	NG ^(a)	LPG ^(b)	Diesel	Ethanol
M ₁	-	R49	R49	R49	R49
M ₂	-	R49	R49	R49 or R83 ^{(c) (d)}	R49
M ₃	-	R49	R49	R49	R49
N ₁	-	R49 or R83 ^(d)	R49 or R83 ^(d)	R49 or R83 ^(d)	R49
N ₂	-	R49	R49	R49 or R83 ^{(c) (d)}	R49
N ₃	-	R49	R49	R49	R49

^(a) Natural Gas.

^(b) Liquefied Petroleum Gas.

^(c) Regulation No. 83 applies only for vehicles with a reference mass ≤ 2,610 kg as an extension of an approval given for a vehicle of categories M₁ or N₁. 1/

^(d) "R49 or R83" means that manufacturers can obtain type approval according to this Regulation or to Regulation No. 83, see paragraph 1.2.

1/ As defined in Annex 7 to the Consolidated Resolution on the Construction of Vehicles (R.E.3), (document TRANS/WP.29/78/Rev.1/Amend.2, as last amended by Amend.4).

Table B: REQUIREMENTS

	Positive-ignition engines			Compression-ignition engines	
	Petrol	NG	LPG	Diesel	Ethanol
Gaseous pollutants	-	Yes	Yes	Yes	Yes
Particulates	-	Yes ^(a)	Yes ^(a)	Yes	Yes
Smoke	-	-	-	Yes	Yes
Durability	-	Yes	Yes	Yes	Yes
In-service-conformity	-	Yes	Yes	Yes	Yes
OBD	-	Yes ^(b)	Yes ^(b)	Yes	Yes

^(a) Only applicable to stage C in Table 2 of paragraph 5.2.1.

^(b) Application dates according to paragraph 5.4.2."
