



**Economic and Social
Council**

Distr.
GENERAL

ECE/TRANS/WP.29/2006/37
4 April 2006

ENGLISH
Original: ENGLISH AND FRENCH

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations (WP.29)

One-hundred-and-thirty-ninth session
Geneva, 20-23 June 2006
Item 4.2.16. of the provisional agenda

**PROPOSAL FOR SUPPLEMENT 1 TO THE 04 SERIES OF AMENDMENTS
TO REGULATION No. 49**

(Emissions of C.I., NG, and P.I. (LPG) engines)

Submitted by the Working Party on Pollution and Energy (GRPE)

Note: The text reproduced below was adopted by GRPE at its fifty-first session (ECE/TRANS/WP.29/GRPE/51, para. 49) and is transmitted for consideration to WP.29 and AC.1. It is based on the text of ECE/TRANS/WP.29/GRPE/2006/5, not amended.

This document is a working document circulated for discussion and comments. The use of this document for other purposes is the entire responsibility of the user. Documents are also available via the INTERNET:
<http://www.unece.org/trans/main/welcwp29.htm>

Paragraph 1., amend to read:

"1. SCOPE

1.1. This Regulation applies to vehicles of categories M and N 1/ and their engines, as shown by Table A, with regard to the tests foreseen for these engines in Table B.

Table A: APPLICABILITY

Vehicle category <u>1/</u>	Max. mass	Positive-ignition engines			Compression-ignition engines	
		Petrol	NG ^(a)	LPG ^(b)	Diesel	Ethanol
M ₁	≤ 3.5 t	-	-	-	-	-
	> 3.5 t	-	R49	R49	R49	R49
M ₂	-	-	R49	R49	R49 or R83 ^(c)	R49
M ₃	-	-	R49	R49	R49	R49
N ₁	-	-	R49 or R83	R49 or R83	R49 or R83	R49
N ₂	-	-	R49	R49	R49 or R83 ^(c)	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 ≤ 2,840 kg as an extension of an approval given for an engine used in vehicles of categories M₁ or N₁. 1/ "R49 or R83" means that manufacturers can obtain type approval according to this Regulation or to Regulation No. 83, see paragraph 1.2.

Table B: REQUIREMENTS

	Positive-ignition engines			Compression-ignition engines	
	Petrol	NG (a)	LPG (b)	Diesel	Ethanol
Gaseous pollutants	-	Yes	Yes	Yes	Yes
Particulates	-	-	-	Yes	-

1.2. Equivalent approvals

The following do not need to be approved according to this Regulation, if they are part of a vehicle approved according to Regulation No. 83:

- (a) compression-ignition engines to be mounted in vehicles of categories N₁, N₂ and M₂ 1/ fuelled with diesel;
- (b) positive-ignition engines fuelled with natural gas (NG) or liquefied petroleum gas (LPG) to be mounted in vehicles of category N₁. 1/"

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)."

Paragraph 4.6.1., the reference to footnote 4/ and footnote 4/, renumber as footnote 2/ and amend to read:

"2/ 1 for Germany,, 36 for Lithuania, 37 for Turkey, 38 (vacant), 39 for Azerbaijan,, 47 for South Africa, 48 for New Zealand, 49 for Cyprus, 50 for Malta, 51 for the Republic of Korea, [52 for Malaysia and 53 for Thailand]. Subsequent numbers shall be assigned "
