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

Working Party on Noise (GRB)

(Forty-third session, 21-23 February 2006,
agenda item 1.2.1.1.)

PROPOSAL FOR DRAFT SUPPLEMENT 5 TO THE 02 SERIES OF AMENDMENTS TO
REGULATION No. 51

(Noise emissions)

Transmitted by the Chairman of Informal Working Group on Regulation No. 51

Note: The text reproduced below was prepared by the GRB Informal Working Group on Regulation No. 51. It proposes new sound emission limit values for the new test method for noise measurement. The proposal is based on a document without a symbol (informal document No. GRB-42-2) distributed during the forty-second session of GRB.

Note: This document is distributed to the Experts on Noise only.

A. PROPOSAL

Part B, insert a new paragraph 3., to read:

"3. SOUND LEVEL LIMITS

The sound level of vehicle types, as measured by the method described in Annex 2 of Part B to the Regulation, shall not exceed the following limits:

Vehicle categories		Limit values (dB(A))		
		Stage 1*	Stage 2**	Stage 3***
2.1.	M _{1a}	72	70	69
2.2.	M _{1b} ****	73	72	71
2.3.	M _{1c}	74	74	73
2.4.	M _{1d}	72	72	71
2.5.	N _{1a} / M _{2a}	72	70	69
2.6.	N _{1b} / M _{2b}	74	73	72
2.7.	M _{2c} <u>1/</u>	<u>3/</u>	<u>3/</u>	<u>3/</u>
2.8.	M ₃ <u>2/</u>	<u>3/</u>	<u>3/</u>	<u>3/</u>
2.9.	N ₂ <u>1/</u>	<u>3/</u>	<u>3/</u>	<u>3/</u>
2.10.	N _{3a} <u>2/</u>	<u>3/</u>	<u>3/</u>	<u>3/</u>
2.11.	N _{3b}	<u>3/</u>	<u>3/</u>	<u>3/</u>

* Date of entry into force of Regulation No. 51.03 for new type approvals and 4 years later for new vehicles brought into the market.

** The date of entry into force of stage 2 is 01 January 2015.

*** The date of entry into force of stage 3 is 01 January 2020.

**** M₁ vehicles with a PMR exceeding 120 for stage 1, 130 for stage 2 and 140 for stage 3, but not exceeding 200.

1/ 1 dB(A) in addition for vehicles which fulfill the criteria for off-road as defined in R.E.3.

2/ 2 dB(A) in addition for vehicles which fulfill the criteria for off-road as defined in R.E.3.

3/ To be determined."

B. JUSTIFICATION

GRB agreed on the above-mentioned limit values during its forty-second session (TRANS/WP.29/GRB/40, paras. 12 to 13).
