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

DRAFT SUPPLEMENT 4 TO REGULATION No. 101

(Emission of CO₂ and fuel consumption measurement)

Note: The text reproduced below was adopted by the Administrative Committee (AC.1) of the amended 1958 Agreement at its sixteenth session, following the recommendation by WP.29 at its one-hundred-and-twenty-second session. It is based on document TRANS/WP.29/2000/63, not amended (TRANS/WP.29/743, para. 165).

Paragraph 5.2.1., amend to read:

"..... as described in appendix 1 of annex 4 to Regulation No. 83 in force at the time of the approval of the vehicle."

Paragraph 5.2.4., amend to read :

"5.2.4. The appropriate reference fuels as defined in annex 10 to Regulation No. 83 must be used for testing.

For LPG and natural gas (NG) communication document as defined in annex 3 to this Regulation.

For the purpose of calculation mentioned in paragraph 5.2.3., the fuel consumption shall be expressed in appropriate units and the following fuel characteristics shall be used:

(a) For petrol and diesel fuel the density measured at 15E C will be used; for LPG and natural gas a reference density will be used, as follows:

0.538 kg/litre for LPG
0.654 kg/m³ for NG */

(b) hydrogen-carbon ratio:
.....
4.00 for NG

*/ Mean value of G20 and G23 reference fuels at 15 EC."

Annex 3,

Item 7.1.1., amend to read:

"7.1.1. CO₂ mass emissions:"

Insert new items 7.1.1.1. to 7.1.1.3., to read:

"7.1.1.1. Urban conditions: g/km
7.1.1.2. Extra-urban conditions: g/km
7.1.1.3. Combined: g/km"

Item 7.1.2., insert a reference to a new footnote 4/, and a new footnote 4/, to read:

"4/ For vehicles fuelled with NG the unit l/100km is replaced by m³/km."

Annex 5,

Paragraph 1.1.5., amend to read:

"..... at its normal temperature.

At the request of the manufacturer, vehicles with positive-ignition engines may be preconditioned according to the procedure prescribed in paragraph 5.2.1. of annex 7 to Regulation No. 83 in force at the time of the approval of the vehicle."

Paragraph 1.4.1., amend to read :

"..... appendix 1 of annex 4 to Regulation No. 83 in force at the time of the approval of the vehicle."

Paragraph 1.4.2., amend to read:

"1.4.2. The load and inertia adjustments of the dynamometer are determined as defined in annex 4 to Regulation No. 83 in force at the time of the approval of the vehicle."
