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INLAND TRANSPORT COMMITTEE

Working Party on the Construction of Vehicles

Working Party on Noise (GRB)

(Thirty-first session, 16 and 17 September 1999,
agenda item 5.)

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 28

(Audible warning devices)

Transmitted by the Expert from the Liaison Committee
for the Manufacture of Automobile Equipment and Spare Parts (CLEPA)

Note: The text reproduced below was prepared by the expert from CLEPA in order to make possible the use of any voltage level for the approval of the audible warning devices (AWDs).

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

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A. PROPOSAL

Paragraph 2.8., should be deleted

Paragraphs 2.9. and 2.10., renumber as paragraphs 2.8. and 2.9.

Paragraph 6.2.3.1., amend to read:

"6.2.3.1. in the case of AWDs supplied with direct current, at a voltage measured at the terminal of the electric power source of 13/12 of the rated voltage".

Paragraph 6.2.5., amend to read:

"6.2.5. For AWDs supplied with direct current, the resistance of the connecting leads, including terminals and contacts, shall be as close as possible to [0,10/12 x rated voltage in volts] ohms."

Paragraph 8., amend to read:

"8. CONFORMITY OF PRODUCTION

The conformity of production procedures shall comply with those set out in the Agreement, Appendix 2 (E/ECE/324-E/ECE/TRANS/505/Rev.2) with the following requirements:

8.1. AWD approved under this Regulation shall be so manufactured as to conform to the type approved by meeting the requirements set forth in paragraph 6 above.

8.2. The authority which has granted type approval may at any time verify the conformity control methods applied in each production facility. The normal frequency of these verifications shall be once every two years."

Paragraph 16., amend to read:

"16.1. CONFORMITY OF PRODUCTION

The conformity of production procedures shall comply with those set out in the Agreement, Appendix 2 (E/ECE/324-E/ECE/TRANS/505/Rev.2) with the following requirements :

16.1. A vehicle approved under this Regulation shall be so manufactured as to conform to the type approved by meeting the requirements set forth in paragraph 14 above.

16.2. The authority which has granted type approval may at any time verify the conformity control methods applied in each production facility. The normal frequency of these verifications shall be once every two years."

Annex 1., paragraph 7., amend to read:

"7. Rated operating pressure (s)kg/cm²."

B. JUSTIFICATION

Current Regulation No. 28 allows approval of AWD operated only under 6, 12 or 24 volts. New voltage levels are now appearing on modern passenger cars. Therefore, Regulation No. 28 needs to be adapted to technical progress. The proposed amendments do not refer to specific rated voltages, so the Regulation can be used for any values of electrical tensions without any new amendments. In addition, some administrative updates are proposed (COP clause, for example).
