ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations

One-hundred-and-forty-fourth session
Geneva, 11-14 March 2008
Item 4.2.21. of the provisional agenda

1958 AGREEMENT

Consideration of draft amendments to existing Regulations

Proposal for Supplement 6 to the 01 series of amendments to the Regulation No. 70
(Rear-marking plates for heavy and long vehicles)

Submitted by the Working Party on Lighting and Light-Signalling (GRE) *

The text reproduced below was adopted by GRE at its fifty-eighth session. It is based on ECE/TRANS/WP.29/GRE/2006/40, as amended by Annex III to the report. It is submitted to WP.29 and AC.1 for consideration (ECE/TRANS/WP.29/GRE/58, para. 28).

* 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.

GE.07-
Annex 8.

Insert a new paragraph 4.1., to read:

"4.1. The adhesion of retro-reflective materials shall be determined after 24 hours curing time by utilizing a 90-degree peel on a tensile strength testing machine."

Paragraphs 4.1. to 4.3. (former), renumber as paragraphs 4.2. to 4.4.

Paragraph 7., amend to read:

"7. Resistance to cleaning

7.1. Manual cleaning

7.1.2. A test sample smeared with a mixture of detergent lubricating oil and graphite shall be easily cleaned without damage to the retro-reflective surface or fluorescent surface when wiped with a mild aliphatic solvent such as n-heptane, followed by washing with a neutral detergent.

7.2. Power washing

7.2.1. When subjected to a continuous spraying action for 60 seconds on the test component in its normal mounting conditions, a test sample shall show no damage to the retro-reflective surface or delamination from the substrate or separation from the sample mounting surface under the following set-up parameters:

(a) Water/wash solution pressure 8 ± 0.2 MPa;
(b) Water/wash solution temperature 60° - 5 °C;
(c) Water/wash solution flow rate 7 to 1 l/min;
(d) The tip of the cleaning wand to be positioned at distance of 600 ± 20 mm away from the retro-reflective surface;
(e) Cleaning wand to be held at no greater angle than 45 degrees from perpendicular to the retro-reflective surface;
(f) 40 degree nozzle creating wide fan pattern."