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World Forum for Harmonization of Vehicle Regulations

Working Party on Lighting and Light-Signalling

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Geneva, 1-5 October 2007

Item 5(d) of the provisional agenda

COLLECTIVE AMENDMENTS

Regulations Nos. 69, 70 and 104

Proposal for draft amendments to Regulation No. 70

(Rear-marking plates for heavy and long vehicles)

Transmitted by the expert from the European Association of Automotive Suppliers (CLEPA)

The text reproduced below was prepared by the experts from CLEPA in order to propose an editorial clarification, a new value, and a new tolerance parameter for the water/wash solution flow rate. The proposal for draft amendments is based on document ECE/TRANS/WP.29/GRE/2006/40, tabled by India. The modifications to ECE/TRANS/WP.29/GRE/2006/40 are marked in **bold** characters.

A. PROPOSAL

Annex 8

Paragraph 7.2.1., amend to read:

"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 $60^{\circ} - 5^{\circ}$ °C;
- (c) Water/wash solution flow rate **7 ± 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."

B. JUSTIFICATION

This proposal introduces a new value for the "water/wash solution flow rate" and a new tolerance parameter to ensure that uniform test results are obtained during performance testing of retro-reflective materials by different Contracting Parties.

This proposal augments the draft proposals introduced by India during the fifty-seventh session of GRE to amend Regulation No. 69 (ECE/TRANS/WP.29/GRE/2006/39) and Regulation No. 70 (ECE/TRANS/WP.29/GRE/2006/40), and aligns these requirements with Supplement 3 to Regulation No. 104 (ECE/TRANS/WP.29/2006/66) adopted by the World Forum (WP.29) at its June 2006 session.

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