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Item 5(d) of the provisional agenda

COLLECTIVE AMENDMENTS

Regulations Nos. 69, 70 and 104

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

The text reproduced below was prepared by the experts from CLEPA at the request of the GRE during its fifty-seventh session in March 2007 to align the physical testing requirements and introduce additional water/solution flow requirements into Regulation No. 104, as well as a comprehensive set of tolerances across all three Regulations: Regulation No. 104, Regulation No. 69 and Regulation No. 70. The modifications to the current text of Regulation No. 104 are marked in **bold** characters.

A. PROPOSAL

Annex 8

Paragraph 5.2.1., amend to read:

"5.2.1 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 **$60^\circ - 5$ °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 new tolerance parameters 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 may be considered by GRE in conjunction with the above documents as well as CLEPA proposals to amend them.

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