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**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations****Working Party on General Safety Provisions****106<sup>th</sup> session**

Geneva, 5–9 May 2014

Item 4 of the provisional agenda

**Regulation No. 43 (Safety glazing)****Proposal for Supplement 3 to the 01 series of amendments to  
Regulation No. 43 (Safety glazing)****Submitted by the expert from the European Association of Automotive  
Suppliers \***

The text reproduced below was prepared by the expert from the European Association of Automotive Suppliers (CLEPA) to clarify the testing method for resistance to high temperature. It is based on informal document GRSG-105-24. The modifications to the current text of UN Regulation No. 43 are marked in bold for new characters.

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\* In accordance with the programme of work of the Inland Transport Committee for 2012–2016 (ECE/TRANS/224, para. 94 and ECE/TRANS/2012/12, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

## I. Proposal

*Annex 3, paragraph 5.1., amend to read:*

"5.1. Procedure

Heat to 100 °C + 0 °C / -2 °C three samples or three square test pieces of at least 300 mm x 300 mm which have been cut by the laboratory from three windscreens or three glass panes as the case may be, one edge of which corresponds to the upper edge of the glazing. Maintain this temperature for a period of two hours, then allow the samples or test pieces to cool to room temperature. If the safety glazing has both external surfaces of inorganic material, the test may be carried out by immersing the sample vertically in boiling water for the specified period of time, care being taken to avoid undue thermal shock. **The test shall be carried out in an oven if either external surface is of inorganic material or if the boiling water temperature is outside the specified tolerance.** If samples are cut from windscreens, one edge of each such sample shall be part of an edge of the windscreen."

## II. Justification

CLEPA proposes to amend the wording of paragraph 5.1. to clarify how to proceed with a test in boiling water, which is permitted for safety glazing with both external surfaces of inorganic material. The tolerance of +0 °C / -2 °C is taken from ISO 3917, high temperature test. The temperature of boiling water can be determined with the required accuracy easily.

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