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**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations**

**188th session**

Geneva, 14-16 November 2022

Item 4.7.3 of the provisional agenda

**1958 Agreement:
Consideration of draft amendments to existing UN Regulations submitted by GRSG**

 Proposal for Supplement 10 to the 01 series of amendments to UN Regulation No. 43 (Safety glazings)

 Submitted by the Working Party on General Safety Provisions [[1]](#footnote-2)\*

The text reproduced below was adopted by the Working Party on General Safety Provisions (GRSG) at its 123rd session (ECE/TRANS/WP.29/GRSG/102, para. 12). It is based on ECE/TRANS/WP.29/GRSG/2022/3 and ECE/TRANS/WP.29/GRSG/2022/4 not amended. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration at their November 2022 sessions.

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"2.5. "Glass-plastics"

means glazing, other than safety-glass faced with plastics material defined under paragraph 2.4., consisting of any glazing material that comprises one layer of glass and one or more layers of plastic in which a plastic surface of the product faces the inner side."

*Paragraph 8.2.1.2.*, amend to read :

"8.2.1.2. Plastic glazing materials shall be subjected to the tests listed in the following table. In the case of the abrasion test, the applicant shall have the alternative between the Taber test and the set of three tests composed of the carwash, sand drop and the wiper test.

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| *Test* | *Windscreens* | *Plastics other than windscreens* |
| *Rigid plastics* | *Laminated-rigid plastics* | *Rigid plastics* | *Laminated rigid plastics* | *Multiple glazing* |  |
|  | *Motorised vehicles* | *Motorised vehicles* | *Trailers and unoccupied vehicles* | *Motorised vehicles* | *Trailers and unoccupied vehicles* | *Motorised vehicles* | *Trailers and unoccupied vehicles* | *Flexible plastics* |
| Flexibility | A3/12 | A3/12 | A3/12 | A3/12 | A3/12 | A3/12 | A3/12 | A3/12 | A3/12 |
| 227 g ball | A17/5 | A19/5.2 | A14/5 | A14/5 | A18/5 | A18/5 | A16/5 | A16/5 | A15/4 |
| 2,260 g ball | - | A19/5.1 |  |  |  |  |  |  |  |
| Headform 1 | A17/4 | A19/4 | A14/4 | - | A18/4 | - | A16/4 | - | - |
| Light transmission 2 | A3/9.1 | A3/9.1 | A3/9.1 | - | A3/9.1 | - | A3/9.1 | - | A3/9.1 |
| Optical distortion | A3/9.2 | A3/9.2 | - | - | - | - | - | - | - |
| Secondary image | A3/9.3 | A3/9.3 | - | - | - | - | - | - | - |
| Fire resistance | A3/10 | A3/10 | A3/10 | A3/10 | A3/10 | A3/10 | A3/10 | A3/10 | A3/10 |
| Chemical resistance | A3/11 | A3/11 | A3/11. | A3/11 | A3/11 | A3/11 | A3/11 | A3/11 | A3/11.2.1 |
| Abrasion 3 | A17/6.1 | A19/6.1 | A14/6.1 | - | A18/6.1 | - | A16/6.1 | - | **~~-~~** |
| Weathering | A3/6.4 | A3/6.4 | A3/6.4 | A3/6.4 | A3/6.4 | A3/6.4 | A3/6.4 | A3/6.4 | A3/6.4 |
| Humidity | A17/6.4 | A19/6.4 | A14/6.4 | A14/6.4 | A18/6.4 | A18/6.4 | A16/6.4 | A16/6.4 | - |
| Cross-cut 2 | A3/13 | A3/13 | A3/13 | - | A3/13 | - | A3/13 | - | - |
| High temperature | - | A3/5 | - | - | A3/5 | - | - | - | - |
| Radiation resistance | - | A3/6 | - | - | A3/6 | - | - | - | - |
| Resistance to temperature changes | - | A3/8 | - | - | - | - | - | - | - |

1 Test requirements are dependent on the location of the glazing within the vehicle.

2 Applies only if the glazing is to be used in a location requisite for driving visibility.

3 Either Taber test or the set of sand drop, carwash and wiper test."

1. \* In accordance with the programme of work of the Inland Transport Committee for 2022 as outlined in proposed programme budget for 2022 (A/76/6 (part V sect. 20) para 20.76), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate. [↑](#footnote-ref-2)