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World Forum for Harmonization of Vehicle Regulations**Working Party on General Safety Provisions****131st session**

Geneva, 13–17 April 2026

Item 4(a) of the Provisional Agenda

**Awareness of the Proximity of Vulnerable Road Users:
UN Regulation No. 46 (Devices for Indirect Vision)****Proposal for Supplement 10 to the 04 Series of Amendments
to Regulation No. 46 (Devices for Indirect Vision)****Submitted by the expert from Germany on behalf of the Task Force on
UN Regulation No. 46***

The text reproduced below was prepared by the expert from Germany on behalf of the Task Force on UN Regulation No. 46 (TF UN-R 46). It is based on the discussions of the meetings of TF UN-R 46. Participants of the Task Force were experts from France, Germany, Japan, Kingdom of the Netherlands, Republic of Korea, European Association of Automotive Suppliers (CLEPA) and the International Organization of Motor Vehicle Manufacturers (OICA). The modifications to the current text of the UN Regulation are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2026 as outlined in proposed programme budget for 2026 (A/80/6 (Sect. 20), table 20.7), 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.



I. Proposal

Insert a new paragraph 6.1.1.9., to read:

"6.1.1.9. The requirements of paragraph 6.1.1.3. do not apply to mirrors, if their lower edge is mounted not less than 2 m above the ground when the vehicle is under a load corresponding to its maximum technical permissible mass."

Paragraph 6.2.2.1.2., amend to read:

~~"6.2.2.1.2. Edges of fixing holes or recesses of which the diameter or longest diagonal is less than 12 mm are exempt from the radius requirements of paragraph 6.2.2.1.1. above provided that they are blunted."~~

The requirements in paragraph 6.2.2.1.1. above shall not apply to parts of the external surface which protrude less than 5 mm, but the outward facing angles of such parts shall be blunted, and are considered save where such parts protrude less than 1.5 mm. For determining the dimension of the projection, the following method shall apply:"

Insert a new paragraph 6.2.2.1.2.1., to read:

"6.2.2.1.2.1. The dimension of the projection of a component which is mounted on a convex surface may be determined either directly or by reference to a drawing of an appropriate section of this component in its installed condition."

Insert a new paragraph 6.2.2.1.2.2., to read:

"6.2.2.1.2.2. If the dimension of the projection of a component which is mounted on a surface other than convex cannot be determined by simple measurement, it shall be determined by the maximum variation of the distance of the centre of a 100 mm diameter sphere from the nominal line of the panel when the sphere is moved over and is in constant contact with that component. Figure 1 shows an example of the use of this procedure."

**Figure 1
Example for the measurement by maximum variation**



Paragraph 6.2.2.1.3., amend to read:

~~"6.2.2.1.3. For parts of the camera and the monitor which are made of a material with a Shore A hardness of less than 60 and which are mounted on a rigid support, the requirements of paragraph 6.2.2.1.1. above shall only apply to the support. Edges of fixing holes or recesses of which the diameter or longest diagonal is less than 12 mm are exempt from the radius requirements of paragraph 6.2.2.1.1. above provided that they are blunted."~~

Paragraph 6.2.2.1.4., amend to read:

"6.2.2.1.4. For Parts of the camera and the monitor installed outside the vehicle which are made of a material with a Shore A hardness of less than 60 are exempt from the relevant provisions, and which are mounted on a rigid support, the requirements of paragraph 6.2.2.1.1. above shall only apply to the support."

Paragraph 6.2.2.1.5., amend to read:

"6.2.2.1.5. The requirements of paragraph 6.2.2.1.1. do not apply to CMS if their lower edge is mounted not less than 2 m above the ground when the vehicle is under a load corresponding to its maximum technical permissible mass. In the case of parts of the camera and the monitor installed inside the vehicle which are made of a material with a Shore A hardness of less than 50 and which are mounted on a rigid support, the requirements of paragraph 6.2.2.1.1. above shall only apply to the support."

Insert a new paragraph 6.2.2.1.6., to read:

"6.2.2.1.6. The requirements of paragraph 6.2.2.1.1. do not apply to CMS if their lower edge is mounted not less than 2 m above the ground when the vehicle is under a load corresponding to its maximum technical permissible mass."

II. Justification

1. The proposed amendments shall align the requirements of the different series of amendments of UN Regulation No. 46.
 2. In addition, the requirements for components inside and outside the vehicle are to be aligned with the requirements of UN Regulations No. 26 and No. 61.
 3. For detailed explanations see the report of the TF UN-R 46 (GRSG-130-32), distributed at the 130th session of the Working Party on General Safety Provisions.
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