

**Proposal for amendments to Regulation No. 26**  
**(Approval of Vehicles with regard to their External Projections)**

**Proposal:**

*Add new paragraphs 2.11. and 2.12., to read:*

**2.11. "Bumper" means the front, lower, outer structure of a vehicle. It includes all structures that are intended to give protection to a vehicle when involved in a low speed frontal collision and also any attachments to this structure.**

**2.12. "Bumper cover" means the non-rigid outer surface of a bumper, generally extending across the full width of the front or rear of a vehicle."**

*Add a new paragraph 6.5.4., to read:*

**"6.5.4. The requirement of paragraph 6.5.2. does not apply to the bumper cover. The provisions of paragraph 5. of this Regulation remain applicable."**

**Justification:**

**Paragraph 2.11.**

Introduction of a definition of a "bumper" in alignment with the main part of the definition used in the new UN regulation on pedestrian protection (ECE/TRANS/WP.29/2010/127 and ECE/TRANS/WP.29/2011/51).

**Paragraph 2.12.**

Introduction of a definition of a "bumper cover".

**Paragraph 6.5.4.**

The purpose of this Regulation is to reduce the risk or seriousness of bodily injury to a person hit by the bodywork or brushing against it in the event of a collision.

The design of modern bumper systems differs significantly from the design of "classic" bumpers at the time Regulation No. 26 was introduced. Most of the current vehicle production is not anymore equipped with classic rigid bumpers, but is rather equipped with a bumper system composed of an upper transverse beam protecting in case of a low speed impact with a vehicle or an object, and a lower transverse beam for covering the pedestrian protection requirements. The system also includes generally foam between these beams and the surface, named "bumper cover", covering the whole structures.

Hence the provisions of paragraph 5. should apply to the "bumper cover", as for the rest of the external surface of the vehicle body, but not the specific provisions of paragraph 6.5.2. which require a radius of 5 mm for the outer bumper surface.

The application of the future regulation on pedestrian protection (ECE/TRANS/WP.29/2010/127 and ECE/TRANS/WP.29/2011/51) will provide further protection for vulnerable road users (acceleration, shearing and bending criteria) in the area of the bumper. For this reason the compliance with the provisions of paragraph 6.5.2. becomes obsolete.

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