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### Economic Commission for Europe

#### Inland Transport Committee

#### World Forum for Harmonization of Vehicle Regulations

#### Working Party on General Safety Provisions

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Item 5 of the provisional agenda

#### Regulation No. 46 (Devices for indirect vision)

### **Proposal for Supplement 3 to the 03 series of amendments to Regulation No. 26 (External projections)**

#### **Submitted by the expert from the Netherlands\***

The text reproduced below was prepared by the expert from the Netherlands to align the provisions of Regulation No. 26 with the proposed amendments of Regulation No. 46 (ECE/TRANS/WP.29/GRSG/2015/2) to optionally replace rear-view mirrors by camera-monitor systems. The modifications to the current text of Regulation No. 26 are marked in bold 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

*Paragraphs 1. to 1.2., amend to read:*

- "1. Scope and purpose
- 1.1. This Regulation applies to external projections of category M<sub>1</sub> vehicles. It does not apply to exterior **devices for indirect vision** or to the ball of towing devices.
- 1.2. 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. This is valid both when the vehicle is stationary and in motion."

*Paragraphs 2.7. to 2.7.5., amend to read:*

- "2.7. "Extreme outer edge" of the vehicle means, in relation to the sides of the vehicle, the plane parallel to the median longitudinal plane of the vehicle coinciding with its outer lateral edge, and, in relation to the front and rear ends, the perpendicular transverse plane of the vehicle coinciding with its outer front and rear edges, account not being taken of the projection:
  - 2.7.1. of tyres near their point of contact with the ground, and connections for tyre pressure gauges;
  - 2.7.2. of any anti-skid devices which may be mounted on the wheels;
  - 2.7.3. of **devices for indirect vision**;
  - 2.7.4. of side direction indicator lamps, end outline marker lamps, front and rear position (side) lamps and parking lamps;
  - 2.7.5. in relation to the front and rear ends, of parts mounted on the bumpers, of towing devices and of exhaust pipes;"

## II. Justification

1. This proposal amends the provisions on external projections in Regulation No. 26 to ensure that all devices for indirect vision are covered, including exterior cameras.
2. As the scope excludes exterior rear-view mirrors, the same should apply for exterior cameras. This exclusion is updated for the definition of the extreme outer edge.
3. The applicable requirements on external projections of devices for indirect vision other than conventional mirrors are covered by the proposal for amendments to Regulation No. 46 (ECE/TRANS/WP.29/GRSG/2015/2) on the optional replacement of mirrors of Classes I to IV by camera-monitor systems.