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Item 6 (a) of the provisional agenda

Regulation No. 48 (Installation of lighting and light-signalling devices) –

Proposals for amendments to the 05 and 06 series of amendments

Proposal for a Supplement to Regulation No. 48 (Installation of lighting and light-signalling devices)

Submitted by the expert from Germany*

The modifications to the existing text of the 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 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

Paragraph 6.13.4.2., amend to read:

"6.13.4.2. In height:

Front: Motor vehicles - the horizontal plane tangential to the upper edge of the apparent surface in the direction of the reference axis of the device shall not be lower than the horizontal plane tangential to the upper edge of the transparent zone of the wind-screen.

Trailers and semi-trailers - at the maximum height compatible with the requirements relating to the width, design and operational requirements of the vehicle and to the symmetry of the lamps.

“However, if two additional end-outline marker lamps visible from the front are used to mark the rear end of the vehicle, they shall be fitted so as to ensure the visibility by the driver of the vehicle through the device for indirect vision.”

Rear: At the maximum height compatible with the requirements relating to the width, design and operational requirements of the vehicle and to the symmetry of the lamps.

Both optional and mandatory (as applicable) lamps to be fitted as far separated in height as practicable and compatible with design/operational requirements of the vehicle and symmetry of the lamps."

II. Justification

Devices for indirect vision (Regulation No. 46) are useless at night, if visibility is insufficient on the side of long commercial vehicles and equally on motor vehicles such as trailers and semi-trailers. This is dangerous, for example, at crossings or road junctions, in particular, for other road users (cyclists, pedestrians). For a long time, in many countries long commercial vehicles have used an additional end-outline marker lamp as "keep track lights" to mark the rear end of the vehicle, permitted by national regulations. This should be allowed, on a performance oriented basis, for international approval according to Regulation No. 48.
