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ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations

Working Party on General Safety Provisions

Ninety-fourth session

Geneva, 21-25 April 2008

Item 6. of the provisional agenda

REGULATION No. 46
(Devices for indirect vision)

Proposal for draft amendments to the Regulation

Submitted by the experts from the International Organization of
Motor Vehicle Manufacturers (OICA) ^{*/}

The text reproduced below was prepared by the expert from OICA in order to substitute the limit of 30 km/h with 10 km/h in case of front or close-proximity mirrors replaced by a camera/monitor device. The modifications to the text of the Regulation are marked in **bold** and ~~strikethrough~~ characters.

^{*/} In accordance with the programme of work of the Inland Transport Committee for 2006-2010 (ECE/TRANS/166/Add.1, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance performance of vehicles. The present document is submitted in conformity with that mandate.

A. PROPOSAL

Paragraph 15.2.1.1.2., amend to read:

"15.2.1.1.2. In case the described ... or mirrors.

In case a camera/monitor device is used, the monitor must exclusively show:

- (a) The field of vision prescribed in paragraph 15.2.4.5. when the close proximity mirror has been substituted,
- (b) The field of vision prescribed in paragraph 15.2.4.6. when the front mirror has been substituted while the vehicle is moving forward with a speed of up to ~~30 km/h~~ **10 km/h**, or
- (c) Simultaneously the fields of vision prescribed in paragraphs 15.2.4.5. and 15.2.4.6. when the close proximity mirror and the front mirror have been substituted. In the case where the vehicle is moving forward at a higher speed than ~~30 km/h~~ **10 km/h** or moving backwards, the monitor may be used for other information, provided that the field of vision prescribed in paragraph 15.2.4.5. is permanently displayed."

B. JUSTIFICATION

The above proposal intends to make the Regulation more consistent with the general rules of safety in road traffic. The current text of the Regulation foresees the possibility that a camera/monitor device "exclusively shows the field of vision prescribed in paragraph 15.2.4.6." (i.e. the surface at ground level 2 m in front of the vehicle) **up to 30 km/h**. This means that the driver should be able to react in less than 0,24 s which is impossible. A decrease of the maximum permitted speed to 10 km/h would improve safety by multiplying by three the reaction time for the driver. The same applies in case (c) where the camera/monitor device is used for substituting both the front and the close-proximity mirrors. This proposal was already orally proposed by the expert from OICA, and informally well accepted by GRSG, during its ninety-third session in October 2007 (Note: No trace in the notes of the secretariat).

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