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**ECONOMIC COMMISSION FOR EUROPE**

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations

Working Party on Lighting and Light-Signalling

Sixty-first session

Geneva, 30 March - 3 April 2009

Item 4(c) of the provisional agenda

REGULATION No. 48

(Installation of lighting and light-signalling devices)

Clarifications on installation requirements

Proposal for Supplement 4 to the 04 series of amendments to Regulation No. 48

Submitted by the expert from Germany \*/

The text reproduced below was prepared by the expert from Germany proposing new mounting requirements for M<sub>1</sub> vehicles the length of which exceeds 6 m but does not exceed 7 m. The modifications to the current text of the Regulation are marked in bold characters.

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\*/ 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 6.17.4.3., amend to read:

"6.17.4.3. ....

However, for motor vehicles the length of which does not exceed 6 m, it is sufficient to have one side retro-reflector fitted within the first third and/or one within the last third of the vehicle length. **For M<sub>1</sub> vehicles the length of which exceeds 6 m but does not exceed 7 m it is sufficient to have one side retro-reflector fitted not further than 3 m from the front and one within the last third of the vehicle length.**"

Paragraph 6.18.4.3., amend to read:

"6.18.4.3. ....

However, for vehicles the length of which does not exceed 6 m and for chassis-cabs it is sufficient to have one side-marker lamp fitted within the first third and/or within the last third of the vehicle length. **For M<sub>1</sub> vehicles the length of which exceeds 6 m but does not exceed 7 m it is sufficient to have one side-marker lamp fitted not further than 3 m from the front and one within the last third of the vehicle length.**"

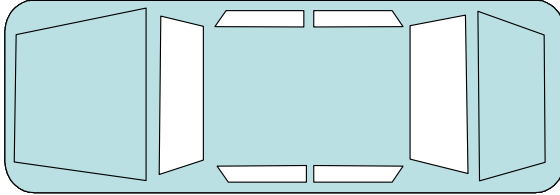
B. JUSTIFICATION

Within the area where the doors are located (middle third of the vehicle), the installation of side-marker lamp (SML) and side retro-reflector always cause grave problems by vehicles of total length exceeding 6 m. Especially armoured vehicles of such length are affected by this problem, because every cut-out comes along with technical and weight problems. A differentiation between armoured vehicles and vehicles of the normal production should be avoided to make it as difficult as possible to identify an armoured vehicles as such to minimize the safety risks for their passengers.

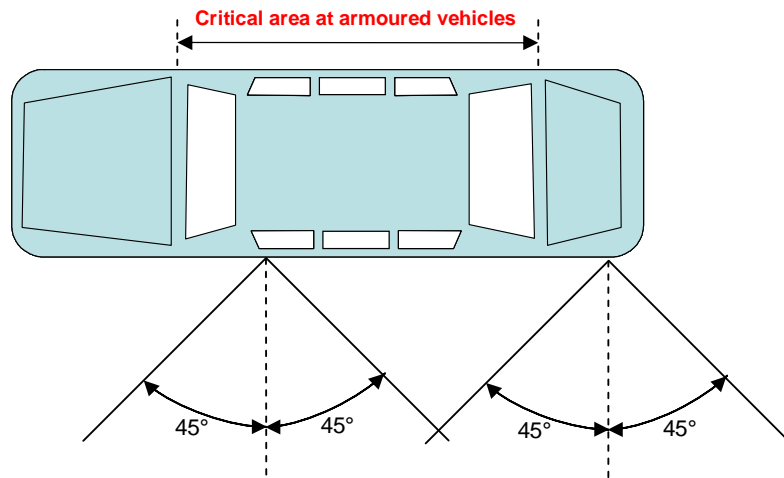
These vehicles are maximum 1 m longer than vehicles which are not equipped with rear side-marker lamps and side-retro reflectors. The equipment with a front and a rear side-marker lamp plus side-retro reflectors for these vehicles is an improvement for the visibility of those vehicles.

The wording of the proposal conforms to already approved vehicles and opens new possibilities for the arrangements of these lamps on new vehicle lines in the future.

Total vehicle length < 6 m: no side-marker lamp and no side retro reflector required



**Actual Requirement:** Vehicle length > 6 m, visibility of SML



**Proposal:** Vehicle length > 6 m, visibility of SML

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