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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

Fifty-seventh session

Geneva, 26-30 March 2007

Item 4.7. of the provisional agenda

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

Definitions

Proposal for draft amendments to Regulation No. 48

Submitted by the expert from the Working Party "Brussels 1952"

The text reproduced below was prepared by the expert from the Working Party "Brussels 1952" (GTB) in order to specify conditions when an assembly of two retro-reflectors can be considered as a single lamp. The modifications to the current text of the Regulation (up to Supplement 1 to the 03 series of amendments) are marked in **bold** characters.

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Note: This document is distributed to the Experts of the Working Party on Lighting and Light-Signalling (GRE) only.

A. PROPOSAL

Paragraph 2.16.1., amend to read:

"2.16.1. "A single lamp" means:

- (a) ....
- (b) any assembly of two independent lamps, whether identical or not, having the same function, both approved as type "D" lamp and installed so that the projection of their apparent surfaces in the direction of the reference axis occupies not less than 60 per cent of the smallest quadrilateral circumscribing the projections of the said apparent surfaces in the direction of the reference axis, **or that the distance between two adjacent/tangential distinct parts does not exceed 15 mm when measured perpendicularly to the reference axis, or**
- (c) **any assembly of two independent retro-reflectors, whether identical or not, that have been approved separately and are installed in a such way that:**
  - (i) **the projection of their apparent surfaces in the direction of the reference axis occupies not less than 60 per cent of the smallest quadrilateral circumscribing the projections of the said apparent surfaces in the direction of the reference axis, or**
  - (ii) **the distance between two adjacent/tangential distinct parts does not exceed 15 mm when measured perpendicularly to the reference axis."**

B. JUSTIFICATION

Vehicle rear-signalling functions are sometimes separated and grouped as assemblies of two lamps where the retro-reflector has to fit into the shape of such assembly. This proposal clarifies the requirements concerning the approval and installation of such retro-reflectors in line with the provisions of paragraph 5.7.1.

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