



**Economic and Social
Council**

Distr.
GENERAL

ECE/TRANS/WP.29/GRE/2006/45
21 July 2006

Original: ENGLISH
ENGLISH AND FRENCH ONLY

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations (WP.29)

Working Party on Lighting and Light-Signalling (GRE)

Fifty-seventh session

2-6 October 2006

Item 15. of the provisional agenda

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 53

(Installation of lighting and light-signalling devices on L₃ category vehicles)

Submitted by the expert from the International Motorcycle Manufacturers Association (IMMA)

Note: The text reproduced below was prepared by the expert from IMMA in order to align the definitions of "a single lamp" and "grouped, combined or reciprocally incorporated lamps" with those of Regulation No. 48. The text is based on informal document No. GRE-56-2, distributed without an official symbol during the fifty-sixth GRE session (see report ECE/TRANS/WP.29/GRE/56, para. 60). The modifications to the existing text of the Regulation (up to Supplement 7 to the 01 series of amendments) are marked in **bold** characters.

Note: This document is distributed to the Experts on Lighting and Light-Signalling only.

A. PROPOSAL

Paragraph 2.14., amend to read:

- "2.14. "A single lamp" means:
- (a) **a device or part of a device having one lighting or light-signalling function, one or more light source(s) and one apparent surface in the direction of the reference axis, which may be a continuous surface or composed of two or more distinct parts, or**
 - (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."**

Paragraph 5.6., amend to read:

"5.6. **Grouped, combined or reciprocally incorporated lamps"**

Insert new paragraphs 5.6.1. to 5.6.2.1., to read:

- "5.6.1. Lamps may be grouped, combined or reciprocally incorporated with one another provided that all requirements regarding colour, position, orientation, geometric visibility, electrical connections and other requirements, if **any, are** fulfilled.
- 5.6.1.1. However, where stop lamps and direction indicator lamps are grouped, any horizontal or vertical straight line passing through the projections of the apparent surfaces of these functions on a plane perpendicular to the reference axis, shall not intersect more than two borderlines separating adjacent areas of different colour.**
- 5.6.2. Where the apparent surface of a single lamp is composed of two or more distinct parts, it shall satisfy the following requirements:**
- 5.6.2.1. Either the total area of the projection of the distinct parts on a plane tangent to the exterior surface of the transparent material and perpendicular to the reference axis shall occupy not less than 60 per cent of the smallest quadrilateral circumscribing the said projection, or the distance between two adjacent/tangential distinct parts shall not exceed 15 mm when measured perpendicularly to the reference axis."**

B. JUSTIFICATION

IMMA proposes to align the definitions of "a single lamp" and "grouped, combined or reciprocally incorporated lamps" in Regulation No. 53 with the same definitions as in Supplement 9 to the 02 series of amendments to Regulation No. 48.

There would be two main benefits from this proposal:

- 1) The same definition of a single lamp for motorcycles and four-wheeled vehicles would avoid confusion at the test laboratories.
- 2) The proposed amendment would broaden the design freedom for lighting and light-signalling devices and allow the use of the latest lamp technologies also in motorcycles.
