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Working Party on Lighting and Light-Signalling (GRE)

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Item 16. of the provisional agenda

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 53

(Installation of lighting and light-signalling devices for L<sub>3</sub> 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 proposing to allow installation of high-intensity discharge (HID) headlamps, approved according to Regulations Nos. 98 and 113, on L<sub>3</sub> category vehicles. The text is based on Annex 3 of informal document No. GRE-56-7, distributed without an official symbol during the fifty-sixth GRE session (see report ECE/TRANS/WP.29/GRE/56, para. 61). The modifications to the existing text of the Regulation (up to Supplement 7 to the 01 series of amendments) are marked in **bold** or ~~strikethrough~~ characters.

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

**A. PROPOSAL**

Paragraphs 6.1.1.1. and 6.1.1.2., amend to read:

"6.1.1.1. For motorcycles having a cylinder capacity  $\leq 125 \text{ cm}^3$

One or two of approved type according to:

- (a) Class B, C, D **or** E of Regulation No. 113;
- (b) Regulation No. 112;
- (c) Regulation No. 1;
- (d) Regulation No. 8;
- (e) Regulation No. 20;
- (f) Regulation No. 57;
- (g) Regulation No. 72;
- (h) **Regulation No. 98.**

6.1.1.2. For motorcycles having a cylinder capacity  $> 125 \text{ cm}^3$

One or two of approved type according to:

- (a) Class B, D **or** E of Regulation No. 113;
- (b) Regulation No. 112;
- (c) Regulation No. 1;
- (d) Regulation No. 8;
- (e) Regulation No. 20;
- (f) Regulation No. 72;
- (g) **Regulation No. 98.**

Two of approved type according to:

- (h) Class C of Regulation No. 113."

Paragraphs 6.2.1.1. and 6.2.1.2., amend to read:

"6.2.1.1. For motorcycles having a cylinder capacity  $\leq 125 \text{ cm}^3$

One or two of approved type according to:

- (a) Class B, C, D **or** E of Regulation No. 113;
- (b) Regulation No. 112;
- (c) Regulation No. 1;
- (d) Regulation No. 8;
- (e) Regulation No. 20;
- (f) Regulation No. 57;
- (g) Regulation No. 72;
- (h) **Regulation No. 98.**

6.2.1.2. For motorcycles having a cylinder capacity > 125 cm<sup>3</sup>

One or two of approved type according to:

- (a) Class B, D **or** E of Regulation No. 113;
- (b) Regulation No. 112;
- (c) Regulation No. 1;
- (d) Regulation No. 8;
- (e) Regulation No. 20;
- (f) Regulation No. 72;
- (g) **Regulation No. 98.**

Two of approved type according to:

- (h) Class C of ~~draft~~ Regulation No. 113."

Insert new paragraphs 6.2.5.3. and 6.2.5.3.1., to read:

**"6.2.5.3. Headlamp levelling device**

**6.2.5.3.1. Headlamps with a light source approved in accordance with Regulation No. 99 shall be equipped with a device to adjust the vertical inclination of the headlamp, as defined in paragraph 6.2.5.2., that can be operated from the rider's seated position. Alternatively, the motorcycle may be equipped with a device which automatically adjusts the vertical inclination of the headlamp, as defined in paragraph 6.2.5.2."**

Paragraph 6.2.7., amend to read:

"6.2.7. Electrical connections

The control for changing over to the passing beam(s) shall switch off the driving beam(s) simultaneously.

**Passing beam headlamps with a light source approved in accordance with Regulation No. 99 shall remain switched on when the driving-beam is illuminated."**

B. JUSTIFICATION

This proposal allows the fitting of HID lamps on motorcycles. The lamps may either conform to Regulation No. 98 (asymmetrical beams) or the proposed new HID beam pattern in Regulation No. 113. In both cases, the motorcycle will have to be equipped with a device which allows the rider to adjust the vertical alignment while he is seated in the riding position. The detailed studies behind this proposal are contained in informal document No. GRE-56-07.

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