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Working Party on Lighting and Light-Signalling (GRE)
(Fifty-second session, 30 March - 2 April 2004,
agenda item 14.4.)

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 112

(Headlamps emitting an asymmetrical passing beam)

Transmitted by the expert from Japan

Note: The text reproduced below was prepared by the expert from Japan, in order to add to the Regulation provisions for the use of one additional light source for night vision systems. The text is based on document TRANS/WP.29/2004/9.

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

A. PROPOSAL

Paragraphs 6.2.10. to 6.2.10.3., amend to read:

"6.2.10. Only one principal light source is permitted for each passing beam headlamp. However, additional light sources are permitted as follows:

6.2.10.1. One additional light source inside the passing beam headlamp according to Regulation No. 37 may be used to contribute to bend lighting.

6.2.10.2. One additional light source according to Regulation No. 37 or additional non-replaceable light source(s), inside the passing beam headlamp, may be used for the purposes of generating infrared radiation. It shall only be activated at the same time as the principal light source. In the event that the principal light source fails, this additional light source(s) shall be automatically switched off.

6.2.10.3. In the event of failure of an additional light source(s), the headlamp shall continue to fulfil the requirements of the passing beam."

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B. JUSTIFICATION

At the fifty-first session of GRE, the expert from Germany proposed amendments to Regulations Nos. 98 and 112 so that one additional light source inside the headlamp could be allowed for night vision system (TRANS/WP.29/GRE/2003/37 and TRANS/WP.29/GRE/2003/38 were at the present time superseded by TRANS/WP.29/2004/7 and TRANS/WP.29/2004/9).

This proposal is based on the condition that TRANS/WP.29/2004/9 would be accepted at the one-hundred-and-thirty-second session of WP.29, in March 2004.

Besides the light source according to Regulation No. 37, non-replaceable light sources like LEDs shall also be allowed to be installed inside the passing beam headlamp for the purpose of generating infrared radiation. Modern technology gives LEDs enough ability to generate infrared radiation, which can be usable for night vision system.
