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**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations**

**189th session**

Geneva, 7-9 March 2023

Item 4.9.10 of the provisional agenda

**1958 Agreement:
Consideration of draft amendments to existing UN Regulations submitted by GRE**

 Proposal for Supplement 12 to UN Regulation No. 65 (Special warning lamps)

 Submitted by the Working Party on Lighting and Light-Signalling[[1]](#footnote-2)\*

The text reproduced below was adopted by the Working Party on Lighting and Light-Signalling (GRE) at its eighty-seventh session (ECE/TRANS/WP.29/GRE/87, para. 33). It is based on ECE/TRANS/WP.29/GRE/2022/16. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration at their March 2023 sessions.

*Table of content, Annexes,* add a reference to a new Annex 9:

"9 Test for the base mounting of magnetically attached special warning lamps"

*Add a new paragraph 5.10.* to read:

5.10. In case of a magnetic attachment the special warning lamp shall be exposed to the test described in Annex 9 to this regulation. During the test the magnetic base mounting shall not move by more than 200 mm from the original position.1”

*Insert footnote 1 to paragraph 5.10.* toread:

1 The manufacturer shall inform the user, that an attachment is only possible for a roof of adequate steel or a steel mounting plate.

*Insert a new Annex 9* to read:

"Annex 9

 Test for the base mounting of magnetically attached special warning lamps

The tests shall be performed at 23°C ± 5° ambient temperature on a metal surface of sufficient size and the following specifications:

- type of metal: steel with a nominal yield strength of 180 N/mm² - 240 N/mm²;

- thickness of metal surface: 0,7 + 0,1 - 0 mm;

- radius of curvature: ≤ 5000 mm;

- paint thickness: 120 ± 20 μm;

- paint protection: Polyurethane film;

- paint protection thickness: ≥200 μm including glue.

- the metal surface must be >20mm above any other ferrous or magnetic material.

Figure 1

**Metal surface with paint and paint protection film**

Paint protection film

Paint

Metal

The special warning lamp shall be magnetically attached to the flat metal surface and subjected to a single shock pulse with a minimum acceleration of 16 g during 30 ms.

The direction of the acceleration shall be in horizontal direction."

1. \* In accordance with the programme of work of the Inland Transport Committee for 2023 as outlined in proposed programme budget for 2023 (A/77/6 (Sect. 20), table 20.6), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate. [↑](#footnote-ref-2)