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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****Ninety-second session**

Geneva, 22-25 April 2025

Item 6 (a) of the provisional agenda

**Installation UN Regulations:**

**UN Regulation No. 48 (Installation of Lighting and Light-Signalling Devices)**

**Proposal for a Supplement to the 08 and 09 series of  
amendments to UN Regulation No. 48****Submitted by the expert from Germany\***

The text reproduced below was prepared by the experts from Germany. The modifications to the existing text of the UN Regulations are marked bold for new and strikethrough for deleted character.

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\* In accordance with the programme of work of the Inland Transport Committee for 2025 as outlined in proposed programme budget for 2025 (A/79/6 (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.



## I. Proposal

Paragraph 5.5.5., amend to read:

"5.5.5. **Only light-signalling functions may incorporate a logo.** In this case ~~of lamps incorporating a manufacturer logo~~, only two lateral logos (one on each side) or one central logo ~~may can~~ be fitted on the rear of the vehicle and only two lateral logos (one on each side) or one central logo can be fitted on the front of the vehicle. All logos that are not vehicle manufacturer or body manufacturer logos are prohibited.

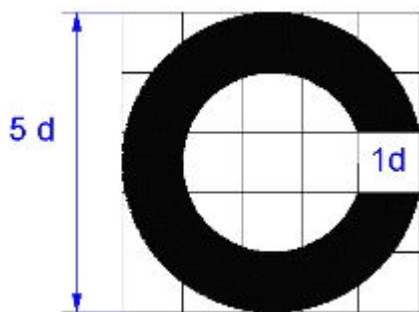
**Markings required by UN Regulations, symbols and/or text that are not identifiable at a distance larger than 10 m\* are not regarded as manufacturer logos."**

Add a new footnote, to read:

**"\*In case of doubt, the character height shall not be more than 12 mm."**

## II. Justification

1. This proposal to amend UN Regulation No. 48 is submitted by the expert from Germany with the aim to clarify that only light signalling devices may incorporate an illuminated logo.
2. At its ninetieth session, GRE pointed out that UN Regulation No. 149 should be amended in order to avoid misinterpretation. After consideration, the expert from Germany decided to amend paragraph 5.5.5. of UN Regulation No. 48.
3. This new proposal considers the remarks expressed during the GRE discussion at its ninety-first session, without changing the main idea. The formulation highlights that manufacturer logos are only allowed as part of some light signalling functions, and not as part of road illumination devices or retro-reflecting devices. In addition, the proposal is considering approvals already granted for road illumination devices that contain small text or symbols not visible at a small distance.
4. In order to have also an objective criteria for the non-identifiability, the size of 12 mm for the character height is added as a footnote. This value is based on informal document GRE-85-16. The visual acuity of a normal observer is defined as the ability to distinguish two objects with a distance of 1' (one arc minute). At a distance of 10 m, 1' correspond to 3 mm. Consequently, a distance of 2.5 mm is too small to distinguish two objects at a distance of 10 m. In another way, if "d" of the Landolt ring correspond to 2.5 mm, the character height is approximatively 12 mm which ensure the non-identifiability at 10 m.



**Figure 1**  
Landolt ring for measuring the visual acuity