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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****Eighty-seventh session**

Geneva, 25–28 October 2022

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 03, 04, 05, 06, 07 and 08  
series of amendments to UN Regulation No. 48****Submitted by the experts from the International Automotive Lighting  
and Light-Signalling Expert Group\***

This document was prepared by the experts from the International Automotive Lighting and Light-Signalling Expert Group (GTB) with the aim to clarify and standardize the usage of flashing side marker lamp to all types of vehicles. The proposed modifications to the current text of the UN Regulation are marked in bold for new or strikethrough for deleted characters.

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\* In accordance with the programme of work of the Inland Transport Committee for 2022 as outlined in proposed programme budget for 2022 (A/76/6 (Sect.20), para 20.76), 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 6.18.7., amend to read:

“6.18.7. Electrical connections

~~On M1 and N1 category vehicles less than 6 m in length, amber side marker lamps may be wired to flash, provided that this flashing is in phase and at the same frequency with the direction indicator lamps at the same side of the vehicle.~~

~~On M2, M3, N2, N3, O3 and O4 vehicles mandatory~~ **Amber side marker lamps may flash in phase and at the same frequency** ~~simultaneously~~ with the direction-indicator lamps on the same side of the vehicle. However, where there are direction indicator lamps of category 5 installed according to paragraph 6.5.3.1. on the side of the vehicle, these amber side marker lamps shall not flash.”

## II. Justification

1. There seems to be no evidence justifying the limitation of the provision in paragraph 6.18.7. to the M<sub>1</sub> and N<sub>1</sub> vehicle categories having less than 6 m in length. Therefore, we propose to extend it to the M<sub>1</sub>/N<sub>1</sub> vehicle categories longer than 6 meters.
2. We open the possibility for the O<sub>1</sub> and O<sub>2</sub> vehicle categories with amber side marker lamps to flash, since there is neither evidence nor justification to limit this possibility.
3. We open the possibility for optional amber side marker lamps to flash for the M<sub>2</sub>, M<sub>3</sub>, N<sub>2</sub>, N<sub>3</sub>, N<sub>2</sub>G, N<sub>3</sub>G, M<sub>2</sub>G, M<sub>3</sub>G (off road), O<sub>3</sub> and O<sub>4</sub> vehicle categories. Previously only optional side marker lamps could flash on the M<sub>1</sub> and N<sub>1</sub> vehicle categories.
4. With this proposal, amber side marker lamps will have the possibility to flash on all vehicles, in phase and at the same frequency with the direction-indicator lamps, whether they are optional or mandatory (previously this was not the case). This will extend the direction-indicator function and will increase safety.