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Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations**Working Party on Lighting and Light-Signalling****Eighty-third session**

Geneva, 21-24 April 2020

Item 6 (a) of the provisional agenda

UN Regulation No. 48 (Installation of lighting and light-signalling devices):**Proposals for amendments to the 05 and 06 series of amendments****Proposal for a Supplement to UN Regulation No. 48
(Installation of lighting and light-signalling devices)****Submitted by the expert from Poland***

The text reproduced below was prepared by the expert from Poland with the aim to add a reference to the installation parameters of the licence plate illumination lamps determined during their type approval process. The modifications to the current text of the Regulation are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2020 as outlined in proposed programme budget for 2020 (A/74/6 (part V sect. 20) para 20.37), 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 6.8.2., amend to read:

- "6.8.2. Number
~~Such that the device illuminates the site of the registration plate.~~
Such that the device illuminates the site of the registration plate **according to the type-approval documentation of the device.**"

Paragraph 6.8.3., amend to read:

- "6.8.3. Arrangement
~~Such that the device illuminates the site of the registration plate.~~
Such that the device illuminates the site of the registration plate **according to the type-approval documentation of the device.**"

Paragraphs 6.8.4.1., 6.8.4.2. and 6.8.4.3., amend to read:

- "6.8.4.1. ~~In width: Such that the device illuminates the site of the registration plate.~~
In width: Such that the device illuminates the site of the registration plate **according to type-approval documentation of the device.**
- 6.8.4.2. ~~In height: Such that the device illuminates the site of the registration plate.~~
In height: Such that the device illuminates the site of the registration plate **according to the type-approval documentation of the device.**
- 6.8.4.3. ~~In length: Such that the device illuminates the site of the registration plate.~~
In length: Such that the device illuminates the site of the registration plate **according to the type-approval documentation of the device.**"

Paragraph 6.8.5., amend to read:

- "6.8.5. Geometric visibility
~~Such that the device illuminates the site of the registration plate.~~
Such that the device illuminates the site of the registration plate **according to the type-approval documentation of the device.**"

Paragraph 6.8.6., amend to read:

- "6.8.6. Orientation
~~Such that the device illuminates the site of the registration plate.~~
Such that the device illuminates the site of the registration plate **according to the type-approval documentation of the device.**"

II. Justification

The current text of UN Regulation No. 48 is in contradiction with the requirements and parameters of the devices, which are determined during the type approval process according to UN Regulation No. 4. Every type-approved device or pair of devices have their own geometrical position in relation to the rear registration plate which is determined based on the illumination levels, maximum gradient value, angles of visibility and light incidence angle. There should be a reference to these parameters in UN Regulation No. 48.