



# Economic and Social Council

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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-second session

Geneva, 22–25 October 2019

Item 4 of the provisional agenda

#### Simplification of lighting and light-signalling UN Regulations

## Proposal to correct UN Regulation No. [149] (Road Illumination Devices)

### Submitted by the Informal Working Group on Simplification of Lighting and Light-Signalling Regulations\*

The text reproduced below was prepared by Informal Working Group on Simplification of Lighting and Light-Signalling Regulations (IWG SLR) with the aim to reintroduce the run-up provisions for high-intensity discharge (HID) headlamps that were unintentionally not included in the text of the new UN Regulation No. [149]. The modifications to UN Regulation No. [149] (ECE/TRANS/WP.29/2018/158/Rev.1) 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 2018–2019 (ECE/TRANS/274, para. 123 and ECE/TRANS/2018/21/Add.1, cluster 3.1), 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.

GE.19-13565(E)



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## I. Proposal

*Insert a new paragraph 5.1.3.7., to read:*

**"5.1.3.7. Four seconds after ignition of a driving-beam of Classes D or ES, equipped with a gas discharge light source with the ballast not integrated with the light source, and that has not been operated for 30 minutes or more at least 37500 cd shall be attained at point HV, for a headlamp producing driving beam only.**

**The power supply shall be sufficient to secure the required rise of the high current pulse."**

*Insert a new paragraph 5.2.2.1., to read:*

**"5.2.2.1. Four seconds after ignition of a passing-beam of Class D, equipped with a gas discharge light source with the ballast not integrated with the light source, and that has not been operated for 30 minutes or more at least 6250 cd shall be attained at point 50V for headlamps producing passing-beam only or alternately passing- and driving- beam functions.**

**The power supply shall be sufficient to secure the required rise of the high current pulse."**

*Insert a new paragraph 5.4.4.3.1., to read:*

**"5.4.4.3.1. Four seconds after ignition of a passing-beam of Class ES which has not been operated for 30 minutes or more, at least 3750 cd must be reached at point 2 (0.86D-V) for headlamps incorporating driving-beam and passing-beam functions or having only a passing-beam function.**

**The power supply shall be sufficient to secure the required rise of the high current pulse."**

## II. Justification

These provisions are contained in UN Regulation Nos. 98 (paragraph 6.1.7.) and 113, (paragraph 6.1.4.3.) but are currently missing in UN Regulation No. [149].

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