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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-ninth session**

Geneva, 24–27 October 2023

Item 5 of the provisional agenda

**UN Regulations on Light Sources and the Consolidated Resolution  
on the Common Specification of Light Source Categories****Proposal for Supplement [49] to the 03 series of amendments  
to UN Regulation No. 37 (Filament light sources)****Submitted by the expert from the International Automotive Lighting  
and Light Signalling Expert Group (GTB)\***

The text reproduced below was prepared by the expert from GTB with the aim to update a normative reference to International Electrotechnical Commission (IEC) Publication 60809. The modifications to the existing 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 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.



## I. Proposal

*Paragraph 3.3.3.3., amend to read:*

"3.3.3.3. The colour of the light emitted shall be measured by the method specified in Annex 5. Each measured value shall lie within the required chromaticity area.<sup>11</sup> Moreover, in the case of filament light sources emitting white light, the measured values shall not deviate more than 0.020 unit in the x and/or y direction from a point of choice on the Planckian locus (CIE 015 :2018, 4<sup>th</sup> edition). Filament light sources for use in light signalling devices shall meet the requirements as specified in paragraph 4.4.2. of IEC Publication 60809, Edition 34."

## II. Justification

1. The UN Regulations related to lighting, and especially those related to light sources, should be reviewed for dated references to IEC Standards in order to stay up-to-date with the latest developments. This proposal includes a customary administrative update of an IEC normative reference, as a new edition of IEC Publication 60809 has been published (Edition 4).

2. GTB proposes to amend paragraph 3.3.3.3. of UN Regulation No. 37 to reflect the latest edition of IEC Publication 60809, Edition 4.

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<sup>11</sup> For conformity of production purposes of amber and red colour only, at least 80 per cent of the measuring results shall lie within the required chromaticity area.