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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****Seventy-eighth session**

Geneva, 24–27 October 2017

Item 5 of the provisional agenda

**Regulations Nos. 37 (Filament lamps), 99 (Gas discharge light sources), 128 (Light emitting diodes light sources) and the Consolidated Resolution on the common specification of light source categories****Proposal for Supplement 46 to the 03 series of amendments to Regulation No. 37 (Filament lamps)****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 to correct an error and to align a term with Regulation No. 128. It is based on ECE/TRANS/WP.29/2016/76. The modifications to the existing text of the 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 2016–2017 (ECE/TRANS/254, para. 159 and ECE/TRANS/2016/28/Add.1, cluster 3.1), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.



## I. Proposal

*Paragraph 3.6.3., amend to read:*

"3.6.3. The colour of the light emitted shall be measured by the method specified in Annex 5. Each measured value shall lie within the required ~~tolerance~~ **chromaticity** area<sup>5</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 015:2004, 3rd edition). Filament light sources for use in light signalling devices shall meet the requirements as specified in paragraph ~~2.4.2.~~ **4.4.2.** of IEC Publication 60809, Edition 3."

<sup>5</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 ~~tolerance~~ **chromaticity** area."

## II. Justification

1. The paragraph numbering of standard IEC 60809 was changed and this was overlooked in Supplement 45 to Regulation No. 37.
2. The wording "required tolerance area" in case of colour is changed to "required chromaticity area" to align with Regulation No. 48. This proposal was initiated by a proposal to amend Regulation No. 128 to avoid misunderstanding with other tolerance areas.
3. The wording "tolerance area" does not appear in Regulation No. 99 but it does appear in the Consolidated Resolution (R.E.5), sheets H20/3, DxR/4, DxS/4, D5S/3, D6S/3, D8R/3, D8S/3 and D9S/3, where an objective value and a tolerance area for the chromaticity coordinates are specified. Those sheets do not need to be changed.