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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-fifth session**

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Item 4 of the provisional agenda

Simplification of lighting and light-signalling Regulations**Proposal for Supplement 6 to the original version of
Regulation No. 128 (Light emitting diodes light sources)****Submitted by the Informal Working Group "Simplification of the
Lighting and Light-Signalling Regulations"***

The text reproduced below was prepared by the experts from the Informal Working Group "Simplification of the Lighting and Light-Signalling Regulations" (IWG SLR) to simplify the content and amendment process of the light source Regulations. It is based on ECE/TRANS/WP.29/GRE/2015/27 and takes into account comments received at the seventy-fourth session of GRE (ECE/TRANS/WP.29/GRE/74, para. 9). The modifications to the existing 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 2014–2018 (ECE/TRANS/240, para. 105 and ECE/TRANS/2014/26, programme activity 02.4), 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

The title, amend to read:

“Uniform provisions concerning the approval of light emitting diode (LED) light sources for use in approved lamps ~~units~~ on power-driven vehicles and their trailers”

Paragraph 1., amend to read:

"1. Scope

This Regulation applies to LED light sources shown in Annex 1 and intended for use in approved ~~signalling~~ lamps ~~units~~ of power-driven vehicles and of their trailers."

Paragraph 3.1., replace to read:

“3.1. Definitions

The definitions given in the Resolution [No. y] or its subsequent revisions, applicable at the time of application for type-approval, shall apply. “

Paragraph 3.2.7., amend to read:

“3.2.7. The solid state junction(s) **and possibly one or more elements for fluorescence-based conversion** shall be the only element(s) of the LED light source that generate(s) and emit(s) light, ~~either directly or via fluorescence-based conversion~~, when energized.”

Paragraphs 3.4. and 3.4.1.,

“3.4. Position and dimensions of ~~apparent~~ light emitting area

3.4.1. The position and dimensions of the ~~apparent~~ light emitting area shall conform to the requirements as given on the relevant data sheet of Annex 1.”

Annex 1, replace by a new Annex 1 to read:

"Sheets* for LED light sources

The sheets of the relevant LED light source category and the group in which this category is listed with restrictions on the use of this category shall apply as incorporated in the Resolution [No. y] or its subsequent revisions, applicable at the time of application for type approval of the LED light source.

*** From [date] onwards, the sheets for LED light sources, the list and group of light source categories with restrictions on the use of this category and their sheet numbers are incorporated in the Resolution [No. y] with symbol ECE/TRANS/WP.29/11XX."**

Annex 6,

Table 1, amend to read:

"...

<i>Grouping of characteristics</i>	<i>Grouping* of test records between lamp LED light source types</i>	<i>Minimum 12 monthly sample per grouping*</i>	<i>Acceptable level of non-compliance per grouping of characteristics (percentage)</i>
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Marking, legibility and durability	All types with the same external dimensions	315	1
External lamp LED light source dimensions (excluding cap/base)	All types of the same category	200	1
Dimensions of caps and bases	All types of the same category	200	6.5
Dimensions related to light emitting surface and internal elements**	All lamp LED light sources of one type	200	6.5
Initial readings, power, colour and luminous flux**	All lamp LED light sources of one type	200	1
Normalised luminous intensity or cumulative luminous flux distribution	All lamp LED light sources of one type	20	6.5

"

Table 3, header row, amend to read:

"

<i>Number of lamp LED light sources in records</i>	<i>Qualifying limit</i>	<i>Number of lamp LED light sources in records</i>	<i>Qualifying limit</i>	<i>Number of lamp LED light sources in records</i>	<i>Qualifying limit</i>
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II. Justification

This amendment is part of the proposal for simplification of the light source Regulations. The justification of this proposal is attached to the justification of the draft Resolution on the common specifications of light source categories (ECE/TRANS/WP.29/GRE/2016/5).