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Informal document **GRE-84-32**
(84th GRE, 26-30 April 2021
Item 5 of the agenda)

Proposal for improvement of document GRE/2020/15/Rev.1 (Part A) and for correction of document GRE/2020/16/Rev.1 (Part B)

This informal document is based on the official TF S/R proposals (GRE/2020/15/Rev.1 and GRE/2020/16/Rev.1) and all the proposed modifications are highlighted in yellow.

A Proposal for Supplement [48] to the original version of UN Regulation No. 37 (Filament lamps)

Amend paragraph 2.1. to read:

"2.1. Definitions

The definitions given in Resolution R.E.5 or its subsequent revisions, applicable at the time of application for type approval shall apply."

Amend paragraph 2.2.2.2.2. to read:

"**2.2.2.2.2. In the case of a LED replacement light source, shall include a statement whether the following conditions apply to LED replacement light source:**

(a) it is a high-efficiency LED replacement light source,

(b) an AE device (Additional Electronics device as defined in R.E.5) is included for applications listed according to paragraph 4.2.2.1.2.,

(c) it has a particular electrical polarity,

(d) it is equipped with an oversize cap;"

B. Proposal for amendment to the Consolidated Resolution on the common specification of light source categories (R.E.5)

Amend Table 3 – Part 1 to read:

"Table 3 – Part 1
Test point values of normalized intensity (Black top area)

LED light source of normal production ~~and standard LED light source~~		
	Minimum intensity (cd/klm)	Maximum intensity (cd/klm)
γ	C_0, C_{90}, C_{180}, C_{270}	C_0, C_{90}, C_{180}, C_{270}
0°	n/a	10
10°	n/a	10
20°	n/a	10
30°	n/a	10

…."

Amend Table 3 – Part 2 to read:

"Table 3 – Part 2
Test point values of normalized intensity (Distortion free area)

	LED light source of normal production ~~and standard LED light source~~	
	Minimum intensity (cd/klm)	Maximum intensity (cd/klm)

γ	C_0, C_{90}, C_{270}	C_0, C_{90}, C_{270}
50°	80	130
60°	80	130
70°	80	130
80°	80	130
90°	80	130
100°	80	130
110°	80	130
120°	80	130
130°	80	130
140°	80	130

…. ”

Amend Table 3 – Part 3 to read:

“Table 3 – Part 3
Test point values of normalized intensity (Shading area of the lead-in wire of the counterpart filament light source)

	LED light source of normal production ~~and standard LED light source~~	
γ	Minimum intensity (cd/klm)	Maximum intensity (cd/klm)
C-plane	γ = 90°	γ = 90°
C_0	80	130
C_{30}	80	130
C_{60}	80	130
C_{90}	80	130
C_{120}	80	130
C_{150}	80	130
C_{180}	n/a	n/a
C_{210}	80	130
C_{240}	80	130
C_{270}	80	130
~~C_{330}~~ C_{300}	80	130
C_{330}	80	130
C_{360} (= C_0)	80	130

….”

II. Justification

Part A:

A general reference to the definitions in R.E.5 is inserted in 2.1 and a specific reference to the definition of the “AE device” in R.E.5 is inserted in 2.2.2.2.2.b., in order to explain the term “AE device” where it first appears in the body text.

Part B:

The term “standard LED light source” is deleted in the headings of Table 3, because the H11 LED replacement light source cannot be used for type approval of devices and therefore no specification for a standard light source exists.

In addition, in Table 3 Part 3 a wrong designation of a C-plane is corrected.