

GRE Task Force on Substitutes / Retrofits (TF S/R)**14th meeting**

20 November 2020, 13:00 – 15:45 CET

[link to MS-Teams here](#)

+49 69 667737009 Germany

[Other local numbers here](#)

Conference-ID: 552 103 358#

REPORT

		Documents
1	Welcome and opening remarks	
	Mr. Bailey, as acting chair, opened the meeting and welcomed the participants. It was noted that Mr. Manz, the chair of this group, could not attend the meeting.	
2	Organisational issues	
	A screen-sharing with MS TEAMS was used.	
2.1	Introduction of participants	
	The participants were noted by the secretary, see Annex 1	
	Apologies for absence had been received from: K. Manz, DE C. Versluijs, IEC L. Schwenkschuster, GTB J-M. Prigent, OICA D. Rovers, NL A. Pamart, FR	
3	Adoption of the agenda	TFSR-14-01rev1
	The agenda, TFSR-14-01rev1, was approved. Mr. De Visser offered to present an overview of the basics of equivalence of LED replacements, including the difference between LED substitutes and LED replacements. It was agreed to add this presentation under agenda item 6	
4	Approval of the report of the previous meeting	TFSR-13-09
	The report of the previous meeting, TFSR-13-09, was approved.	
5	LED Substitutes for road illumination application	
5.0	Review of the discussion at GRE	
	GRE82	GRE-82-17rev2

		Report GRE-82: item 23, 24, 25
	GRE83	GRE-83-48 GRE-83-53
	It was noted that the proposal for the H11/LED substitute was approved by GRE83 and will be sent to WP29 for their March session, see GRE-83-53 Decision No 11.	
5.1	Demonstration of halogen headlamps equipped with LED prototypes	TFSR-05-10
5.2	R.E.5 H11/LED/6	(TFSR-05-06, H7/LED) TFSR-06-02 TFSR-07-02 GRE/2019/21, GRE/2020/6
5.3	Mechanical keying, Interlock (for reference) IEC 60061 H11/LED/6	(TFSR-05-05 H7/LED) TFSR-06-03 GRE-82-12
5.4	Equivalence Criteria (for reference)	TFSR-05-04 TFSR-06-04 TFSR-06-07 (rev of TFSR-05-04) TFSR-07-04 GRE-82-03
5.5	Changes to Device Regulations – R149 (RID)	TFSR-05-03 TFSR-07-03 TFSR-07-03rev1 GRE/2019/19
6	Introducing LED technology into R37 (LEDr)	
	Mr. De Visser showed a presentation to summarise the concept of “equivalence” and the relationships between LED substitutes and LED replacement light sources. This presentation was distributed after the meeting with document number TFSR-14-06	TFSR-14-06
	The group thanked Mr. De Visser for preparing the summary and it was noted that several of the “general comments” received during GRE83 were clarified by this presentation. Specifically, this presentation highlighted the additional requirements that were introduced for LEDr (compared to LED substitutes) and summarised where additional user information was required on the light source and also on the packaging, at the point of sale and on a dedicated web-site by the light source manufacturer. The slides were discussed and slightly changed during the discussion.	
6.0	Review of the discussion at GRE	
	GRE82	GRE-82-17rev2 GRE82 report: item 21, 22

	GRE83	GRE-83-48 GRE-83-53
	<p>The outcome of GRE83 was reviewed, based on the document GRE-83-53, Decision No 12.</p> <p>The secretary informed that, according the Decision No 12, he had forwarded the invitation for this TFSR meeting to all GRE experts via the GRE secretariat, and that a specific invitation had been sent to the French GRE experts.</p> <p>However it was noted that the GRE experts from France were not present at this meeting, and did not send any additional written input to this meeting.</p> <p>Mr. Blusseau informed that, according to his understanding, the problem for France seemed to be the difference between LED substitutes and LEDr.</p> <p>Mr. De Visser replied that this was also his understanding and that this was exactly the reason for the additional presentation, where the additional requirements for LEDr are explained.</p>	
	<p>Mr. Goldbach asked if the AE device was separate to the light source and asked about the failure detection of turn indicators.</p> <p>Mr. Plathner and Mr Schlager answered that for amber light sources, the default version (high power) might be regulated only, but that this discussion needed to take place when the first such category is proposed to GRE.</p> <p>Mr. Kooss suggested that it should be written in the regulation that for turn indicator the high power version is needed.</p> <p>Mr. De Visser warned against such a solution since designers may use light sources in applications that have not been foreseen; he confirmed that this discussion should take place in GRE indeed, when such a light source is proposed.</p>	
6.1	Changes to R37	TFSR-06-05rev1 TFSR-08-02 TFSR-10-02 TFSR-11-03 TFSR-12-02rev3 GRE/2020/15 GRE-83-05 TFSR-13-02rev1, TFSR-13-03rev1 GRE-83-11, GRE-83-12 GRE-83-38 TFSR-14-02, TFSR-14-02rev1 TFSR-14-04
	<p>Mr. De Visser introduced document TFSR-14-02.</p> <p>He specifically pointed to the paragraph 2.2.2.2.2, were the possible deviations from the “default type” were listed, which result in additional user information and specific installation instructions on the website.</p>	

	<p>It was clarified that for the “default type”, with a high power, same dimension and dual-polarity no additional user information would be necessary.</p> <p>There followed some discussion on the symbol for “larger cap”.</p> <p>Mr. Böttcher stated that he would prefer a symbol to indicate that the cap may be larger.</p> <p>Mr. Bailey supported this opinion.</p> <p>Mr. Goldbach questioned if it would fit on the light source itself.</p> <p>Mr. Kooss also agreed to have the symbol of the lamp to inform the consumer.</p> <p>A symbol (ISO 7000 symbol 919) was recommended by Mr. Böttcher and it was agreed to use this symbol.</p> <p>Regarding the question from Mr. Goldbach on the type approval numbering of the LEDr and the AE device numbering, it could be clarified that they are approved together.</p> <p>Paragraph 2.4.2, was discussed and edited together on the screen.</p> <p>The documents was distributed after the meeting with document number TFSR-14-02rev1.</p> <p>Mr. Goldbach showed a presentation to explain his concerns regarding the definitions of category and type, see Annex 2 to this report. Mr. De Visser replied that he didn’t understand the perceived issue and commented that the interpretation at the top of the diagram was incorrect.</p> <p>Based on the input from Mr. Goldbach, paragraph 2.1.2 was discussed and further edited on screen.</p>	
	Mr. Kooss had a question on 3.4.5.2.1 and the paragraph was slightly re-edited to be more clear.	
	TFSR-14-04 was noted, and Mr. De Visser offered to keep the “track changes” document updated based on the agreed changes.	
6.1.1	Overview of technical items (for reference)	TFSR-08-03rev4 TFSR-11-02rev1 TFSR-13-08
	noted	
6.1.2	Discussion on type-definition and approval number in case of additional (external) electronics	TFSR-13-07rev1 GRE-83-14
	noted	
6.2	Changes to R128	TFSR-10-03 TFSR-11-04 TFSR-12-03rev1 GRE/2020/17
	noted	
6.3	Changes to RE5	TFSR-10-04 TFSR-11-05
	noted	
6.3.1	First category proposal(s) – H11 LEDr	TFSR-12-04rev2 GRE/2020/16 TFSR-13-04rev1 GRE-83-13

		TFSR-14-03
	Mr. De Visser introduced document TFSR-14-03. This document was agreed with an improved .	
6.3.1.1	H11 LEDr equivalence report	TFSR-13-06 GRE-83-16
	noted	
6.4	Demonstration with LEDr prototypes	
	Nothing new	
6.5	Equivalence Criteria document (for reference)	TFSR-13-05 GRE-83-15
	noted	
7	Next meeting(s)	
	It was agreed to schedule a next meeting, where the GRE experts from France could participate. The following three options were identified:	
	14 Dec @13:00 11 Jan @13:00 – confirmed after the meeting 19 Jan @13:00	
	Note by the secretary: after the meeting, it could be confirmed with the French GRE-experts that the meeting date on 11 January was possible to attend for them.	
8	Closure	
	The chairman closed the meeting and thanked the participants.	

P. Plathner

Annex 1: Participants (noted by the secretary)

Name	CP / NGO
Ph. Plathner (secretary)	IEC
B. Böttcher	FIA
A. De Visser	IEC
B. Terburg	GTB
D. Kooß	GTB
Maria del Mar Palacios	CLEPA
W. Schlager	IEC
Th. Goldbach	OICA
Ph. Bailey (co-chair)	UK
R. Krautscheid	DE
T. Torma	GTB
W. Van Laarhoven	NL
M. Grainger	OICA
E. Blusseau	GTB
M. Cavaliere	OICA

Annex 2: Input from Th. Goldbach, OICA, on agenda item 6.1

