

GRE Task Force on Substitutes / Retrofits (TF S/R)**11th meeting**

25 May 2020, 10:00 – 15:00 CEST

By Telephone / SKYPE:

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SKYPE Conference ID: 436516516

DRAFT REPORT

		Documents
1	Welcome and opening remarks	
	The chairman opened the meeting and welcomed the participants.	
2	Organisational issues	
	A screen-sharing was used with SKYPE.	
	Apologies were noted from Mr. Cor Versluijs, IEC	
2.1	Introduction of participants	
	The participants were noted by the secretary, see Annex 1.	
3	Adoption of the agenda	TFSR-11-01
	The agenda was approved.	
4	Approval of the report of the previous meeting	TFSR-10-05
	The report was approved.	
5	LED Substitutes for road illumination application	
5.0	Review of the discussion at GRE82	GRE-82-17rev2 Report GRE-82: item 23, 24, 25
	noted	
5.1	Demonstration of halogen headlamps equipped with LED prototypes	TFSR-05-10
	noted	
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
	noted	
5.2.1	Sheet H11/LED/2 Footnote 3 – Temperature testing	GRE/2019/21 GRE-82-45

		TFSR-09-02 TFSR-09-03rev1
	noted	
5.3	Mechanical keying, Interlock IEC 60061 H11/LED/6	(TFSR-05-05 H7/LED) TFSR-06-03 GRE-82-12
	noted	
5.4	Equivalence Criteria	TFSR-05-04 TFSR-06-04 TFSR-06-07 (rev of TFSR-05-04) TFSR-07-04 GRE-82-03
	noted	
5.5	Changes to Device Regulations – R149 (RID)	TFSR-05-03 TFSR-07-03 TFSR-07-03rev1 GRE/2019/19
	noted	
6	Introducing LED technology into R37 (LEDr)	
6.0	Review the discussion at GRE-82	GRE-82-17rev2 GRE82 report: item 21, 22
	noted	
6.1	Changes to R37 – administrative items	TFSR-06-05rev1 TFSR-08-02 TFSR-10-02 TFSR-11-03
	<p>Document TFSR-11-03 was introduced by Mr. De Visser and reviewed together.</p> <p>Mr. De Visser introduced two options for the further editing of the text;</p> <ul style="list-style-type: none"> • Option 1: referencing relevant paragraphs in R128 • Option 2: copying and modifying relevant paragraphs in R128, where necessary <p>After a discussion on the “pros” and “cons”, it was agreed to proceed with Option 2</p> <p>Mr. De Visser offered to prepare an updated document for the next meeting, with the support of Mr. Plathner and Mr. Schlager.</p>	
6.2	Changes to R37 – technical items	TFSR-08-03rev4 TFSR-11-02 TFSR-11-02rev1
	<p>Document TFSR-11-02 was introduced by Mr. Plathner and Mr. Schlager. The slides were discussed in detail, focussing on the open topics.</p> <p>The conclusions are noted in the document TFSR-11-02rev1.</p>	

	<p>The discussion focused especially on the following topics:</p> <ul style="list-style-type: none"> - PWM operation <ul style="list-style-type: none"> o testing procedure - Failure detection compatibility <ul style="list-style-type: none"> o new “type” for high-power version - Polarity - High ambient temperature testing <ul style="list-style-type: none"> o Incl. rear lamp and front direction indicator scenarios - De-fogging <ul style="list-style-type: none"> o Waiting for outcome of tests according SAE - Cap temperature - Spectral content <p>It was concluded that GRE needed to be requested for guidance / decision regarding the topics that could not be closed in the TFSR, e.g. the two options for failure detection.</p>	
6.3	Changes to R128 (if any)	TFSR-10-03 TFSR-11-04
	Document TFSR-11-04 was briefly reviewed.	
6.4	Changes to RE5 incl. first category proposal	TFSR-10-04 TFSR-11-05
	<p>Document TFSR-11-05 was briefly reviewed.</p> <p>It was discussed whether a LEDr sheet should be combined with the corresponding substitute sheet, if any.</p> <p>It was agreed to draft the first LEDr proposal as a separate sheet, and then compare the outcome with the corresponding substitute sheet and decide about the way forward.</p> <p>Mr. Schlager and Mr. Plathner offered to prepare a first draft for the next meeting.</p>	
6.5	Demonstration with LEDr prototypes	
	not possible, because no face-to-face meeting.	
7	Next meeting(s)	
	A next meeting was agreed for 2. July from 10:00 bis 16:00 CEST (using again SKYPE)	
8	Closure	
	The chairman thanked the participants and closed the meeting.	

K. Manz, P. Plathner

Annex 1: Participants (noted by the secretary)

Name	CP / NGO
K. Manz (chairman)	DE
P. Plathner (secretary)	IEC
A. De Visser	IEC
D. Kooss	GTB
D. Rovers	NL
W. Schlager	IEC
W. Van Laarhoven	NL
R. Krautscheid	DE
T. Torma (partly)	IEC
B. Böttcher (partly)	FIA
E. Blusseau (partly)	GTB