

GRE Task Force on Substitutes / Retrofits (TF S/R)**3rd meeting**

27 March 2018, 10:30 – 15:00 CEST

CLEPA
 Cours Saint Michel 30g
 1040 Brussels
 Belgium

Call-in Number: +4969667737009

Conference-ID: 13237273

DRAFT REPORT

		Documents
1	Welcome and opening remarks	
	Mr. Krautscheid opened the meeting, on behalf of the chairman Mr. Manz, who had to apologize. It was agreed that Mr. Krautscheid would act as chairman of this meeting.	
2	Organisational issues	
	An attendance sheet was distributed and signed by the participants. The secretary noted the participants that were present on the telephone / Skype. The attendance sheet is shown in Annex 1.	
2.1	Introduction of participants	
	All participants briefly introduced themselves.	
	Apologies for absence had been received from Mr. Terburg Mr. Manz Mr. Böttcher Mr. Van Laarhoven	
2.2	Structure and organisation of the Task Force	
	The current structure and organisation of the task force was confirmed.	
3	Adoption of the agenda	TFSR-03-01
	Documents 03-07 and 03-08 were added to the agenda under agenda item 6.2.1. Both documents had been available on the website before the meeting.	

	With these additions, the agenda was adopted.	
4	Approval of the reports of the previous sessions	TFSR-02-05
	The report of the last meeting, TFSR-02-05, was approved. The chairman asked if the names of the experts should be mentioned in the report. There were no objections to include the names of the experts in the report.	
5	Review of the discussion at GRE77 and GRE78	GRE-77, paragraph 12, 13 and 14 GRE-78, paragraph 17, 18 and 19 TFSR-01-02 TFSR-01-07 TFSR-01-08
	The previous documents were noted, there was no further discussion.	
5.1	Statement of the light source manufactures to the dualism of LED substitutes and retrofits and the motivation for the proposals	See TFSR-01-11 and TFSR-02-05 TFSR-02-02
	The previous documents were noted, there was no further discussion.	
6	LED Substitutes	
6.1	R128 Body text	GRE/2017/21 TFSR-03-02 TFSR-03-02rev1
	Mr. De Visser introduced document TFSR-03-02. The document was viewed on the screen and discussed. There were a few comments on editorial improvements, and these were resolved together, and edited on the screen accordingly, see TFSR-03-02rev1. It was agreed to prepare the document for submission as a formal document to GRE80. Before submission however, this document would be reviewed in relation to the outcome of GRE79 and amended as needed.	
6.1.1	Additional user information, Listing of vehicles / functions	See TFSR-01-11 and TFSR-02-05
	The previous documents were noted, there was no further discussion.	
6.2	R.E.5 (PY21W/LED, R5W/LED, C5W/LED)	GRE/2017/17 GRE-77-03
	The previous documents were noted, there was no further discussion.	
6.2.1	Mechanical keying, Interlock IEC60061	TFSR-01-09 TFSR-01-10 TFSR-02-03 TFSR-02-04 TFSR-03-07 TFSR-03-08
	Mr. Versluijs introduced documents TFSR-03-07 and TFSR-03-08.	

	<p>The documents were viewed on the screen and discussed.</p> <p>It was agreed to use a third pin as interlock feature for the PY21W/LED with the provisional working title “BAUT15”, as shown in document TFSR-03-08.</p>	
	<p>There followed a discussion on the timeline for the IEC proposals, and it was agreed to start the IEC process now, with a target to have the new keying published by IEC before the end of 2019.</p>	
6.2.2	PY21W/LED	TFSR-03-03
	<p>Mr. De Visser introduced document TFSR-03-03.</p> <p>The document was viewed on the screen and discussed.</p> <p>It was agreed to prepare the document for submission as a formal document to GRE80. Before submission however, this document would be reviewed in relation to the outcome of GRE79 and amended as needed.</p>	
6.2.3	Equivalence Criteria	GRE-77-02 TFSR-03-06
	<p>Mr. De Visser introduced the guidance document TFSR-03-06.</p> <p>The document was viewed on the screen and discussed.</p> <p>It was agreed to prepare the document for submission to GRE80, with the target to put it on the UNECE website as a reference document.</p>	
6.3	Changes to Device Regulations	GRE/2017/14 GRE-78-04 TFSR-03-04
	<p>Mr. De Visser introduced document TFSR-03-04.</p> <p>The document was viewed on the screen and discussed.</p> <p>It was noted that Mr. Manz had prepared some comments / changes, but these could not be discussed in detail due to the absence of Mr. Manz. It was agreed to finalise the document at the next meeting and then also to review the document in relation to the outcome of GRE79 and to amend it as needed.</p>	
6.4	Changes to Installation Regulations	GRE/2017/22 GRE-78-28 GRE-78-33 TFSR-03-05
	<p>Mr. De Visser introduced document TFSR-03-05.</p> <p>The document was viewed on the screen and discussed.</p> <p>It was agreed to prepare the document for submission as a formal document to GRE80. Before submission however, this document would be reviewed in relation to the outcome of GRE79 and amended as needed.</p>	
7	LED Retrofits	
7.1	Review of the former discussions	TFSR-01-03 TFSR-01-04 TFSR-01-05 TFSR-01-06

		TFSR-01-11 TFSR-02-06
	The previous documents and discussions were noted.	
	<p>Mr Peter made a statement that the FIA saw a strong need for retrofit solutions, to give car owners the chance to benefit from the safety and performance advantages of the LED technology, also for front lighting. He made reference to the ADAC study, as summarised in TFSR-02-06, where it was shown that the headlamp performance could be significantly improved when switching from a halogen light source to an LED retrofit light source.</p> <p>The chairman asked Mr. Peter to make the ADAC study available to the group for a more detailed discussion.</p> <p>After some further discussion on the use of LED retrofits to replace halogen lamps, and the associated technical benefits and challenges, it was agreed to focus on signal lighting applications for the moment.</p> <p>The chairman reminded that, for the topic of retrofits, national and international law needed to be considered, and also the relationship between national/regional law addressing the modification of vehicles and international type approval regulations.</p> <p>Mr. De Visser proposed that retrofit light sources could be approved according to a UN regulation, and that the use of such light sources in vehicles would be covered by national/regional law.</p> <p>In order to get a better understanding of national law in Europe (and also worldwide) in relation to the modification of vehicles, and the use of “Non-OEM”, i.e. “aftermarket” spare parts, it was agreed to develop a questionnaire, which should be filled in by the GRE experts for their respective countries. Mr. De Visser offered to prepare a first draft for such a questionnaire, possibly based on an example that the chairman would provide.</p> <p>In addition, a kind of “matrix” should be developed, to investigate the different options for the future relationship of national, regional and international law related to LED retrofit approval, sale and use.</p> <p>Experts were asked to prepare proposals / ideas for the next meeting.</p>	
7.2	Relationship with traffic and equipment use laws	TFSR-01-11 TFSR-02-05
	This topic was discussed under agenda item 7.1.	
8	Next meeting(s)	
	The next meeting was agreed for 6 June 2018, in Brussels, starting at 10:30.	

	Note: There will be no meeting on 23 April in Geneva, as tentatively agreed in the previous meeting.	
9	Closure	
	The secretary was asked to prepare, together with the chairman (Mr. Manz), a status-update report to GRE79, with a focus on LED substitutes.	
	The chairman thanked the participants and closed the meeting.	

R. Krautscheid, P. Plathner

Attendance Sheet

3rd meeting of GRE Task Force Substitutes / Retrofits

Brussels, Belgium, 27 March 2018

Name	CP / NGO	Signature
Mr. Manz	DE	/
Mr. Krautscheid	DE	Krautscheid
Mr. Plathner	IEC	P. Plathner
Mr. Schlager	IEC	By telephone
Mr. Rovers	NL	/
Mr. De Visser	IEC	/
Mr. Versluijs	IEC	/
Mr. Terburg	GTB	/
(Mr. Böttcher) Mr. Peter	FIA	/
Mr. Vandervreken	CLEPA	E. Vandervreken
Mr. Bartelsen	DE	/
Mr. Bailey	UK	/
Mr. Goldbach	OICA	By telephone
Mr. Blusseau	CLEPA	By telephone
Mr. Prigent	OICA	/
Mr. Pamart	FR	Pamart
Mr. Pombroy	GTB / CEPA	By telephone