

**GRE Task Force on Substitutes / Retrofits (TF S/R)****22nd meeting****08 October 2024, 12:00 – 13:30 CEST****ONLINE MEETING / TEAMS****[TEAMS link here](#)**

Meeting-ID: 341 013 627 559

Password: VquwpQ

**DRAFT REPORT**

		Documents																		
1	Welcome and opening remarks																			
	The chair opened the meeting and welcomed the participants.																			
2	Organisational issues																			
	Screensharing via MS TEAMS was used.																			
2.1	Introduction of participants																			
	<p>The Online participants were noted by the secretary:</p> <table> <tbody> <tr> <td>Ph. Bailey, UK, chair</td> <td>T. Targosinski, PL</td> </tr> <tr> <td>W. Halbritter, IEC</td> <td>P. Plathner, IEC, secretary</td> </tr> <tr> <td>W. Schlager, IEC</td> <td>B. Terburg, GTB, SAE</td> </tr> <tr> <td>B. Böttcher, FIA</td> <td>D. Rovers, NL</td> </tr> <tr> <td>Th. Bauckhage, CLEPA</td> <td>M. Fischer, DE</td> </tr> <tr> <td>S. Nieciecki, PL (partly)</td> <td></td> </tr> </tbody> </table> <p>Apologies have been received from</p> <table> <tbody> <tr> <td>K. Manz, DE</td> <td>R. Krautscheid, DE</td> </tr> <tr> <td>J-M. Prigent, OICA</td> <td>W. VanLaarhoven, GTB</td> </tr> <tr> <td>K. Pilatus, CLEPA</td> <td>S. Sudrie, OICA</td> </tr> </tbody> </table>		Ph. Bailey, UK, chair	T. Targosinski, PL	W. Halbritter, IEC	P. Plathner, IEC, secretary	W. Schlager, IEC	B. Terburg, GTB, SAE	B. Böttcher, FIA	D. Rovers, NL	Th. Bauckhage, CLEPA	M. Fischer, DE	S. Nieciecki, PL (partly)		K. Manz, DE	R. Krautscheid, DE	J-M. Prigent, OICA	W. VanLaarhoven, GTB	K. Pilatus, CLEPA	S. Sudrie, OICA
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3	Adoption of the agenda	TFSR-22-01																		
	The agenda was adopted																			
4	Report of 21st meeting	TFSR-21-02rev1																		
	The report was briefly reviewed on the screen together and confirmed.																			
5	Review of GRE90																			
5.1	Report, paragraph 8 to 12.	Report GRE-90																		
	<p>The report of GRE90 was briefly reviewed on the screen together.</p> <p>There was a discussion on the concerns expressed by OICA and France during GRE-90, on the basis of paragraphs 9 and 10 of the GRE-90 report and document GRE-90-34.</p> <p>Document GRE-90-34 was reviewed on the screen and some technical points were briefly discussed.</p> <p>Mr. Rovers highlighted paragraph 11 of the GRE-90 report.</p>																			

5.2	H11 LEDr adoption	GRE/2024/2 GRE-90-02 GRE-90-34
	The adoption of document GRE/2024/2, with the modifications of the H11-LEDr sheet, was noted, and it was expected that WP29 would approve the proposal in the November session. (i.e. document WP29/2024/156)	
6	Next steps	
6.1	Considerations for next LEDr categories	TFSR-22-02
	<p>Mr. Schlager introduced document TFSR-22-02, giving an overview and analysis of the different halogen light source categories covered in RE5 /R37.</p> <p>Mr Böttcher commented that technology is progressing, and that first examples with very small heat sinks (realized in approximately the size of the cap of a halogen version) could be observed in recent trade fairs.</p> <p>He asked if it was possible to progress with the category sheets followed by technology catching up.</p> <p>Mr. Rovers thanked Mr. Schlager for the analysis and commented that the timeline should be ambitious. He reminded that GRE requested to cover H4 and H7 with priority.</p> <p>Mr Bailey confirmed that such a timeline should be ambitious, especially for H7.</p> <p>There followed a longer discussion on the timeline for regulatory amendments and for technology development. The technological challenges associated with the different categories, i.e. high flux and compact cap, were explained by Mr. Plathner, Mr. Schlager and Mr. Terburg. Mr Böttcher asked about the missing H13 and Mr Terburg explained that this light source category, according to his experience, was used predominantly in the US, and only in very few projects in UNECE countries.</p> <p>With respect to slide 8, there was general agreement that a removable reference ring was not a target for a UNECE category sheet approach.</p> <p>Slide 11 was edited together on the screen improving the visualization of the complexity of the technology development tasks for high beam and low beam categories.</p> <p>It was agreed to continue the discussion in the TF S/R next meeting, awaiting technical input for category proposals from GTB WG Light Sources.</p>	
6.2	Clarification of R37 requirements for LEDr	
	Mr. Plathner briefly explained that the experts had started to collect topics for clarification / improvement of the R37 text / wording and that this may be presented in one of the upcoming TF S/R meetings.	
7	Status report to GRE91	
	<p>Mr. Plathner offered to prepare a draft status report together with Mr. Schlager. This resulting draft will be circulated by e-mail for commenting, before the upcoming GRE meeting.</p> <p>Mr. Terburg reminded that the GTB involvement should also be included in the status report, to ensure full transparency</p>	
8	Next meeting(s)	
	A next meeting was tentatively agreed for 25 February at 13:00 CET, either online or as hybrid meeting, to be confirmed also based on GRE feedback	
9	Closure	
	The chair thanked the participants and closed the meeting	

*P. Plathner*