

## **GRE Informal Working Group on Simplification of the UN Lighting and Light Signalling Regulations (SLR)**

### **20<sup>th</sup> meeting**

4-6 October 2017

CLEPA Headquarters  
Cours Saint-Michel 30g, Brussels

## **REPORT**

		<b>Working Documents</b>
<b>1.</b>	<b>Welcome and opening remarks</b> Mr. Loccufier, Chairman of the Informal Working Group, opened the session welcoming all the participants.	
<b>2.</b>	<b>Introduction of participants and organisations</b> A list of all participants is available in Annex 1 to this Report.	
<b>3.</b>	<b>Adoption of the agenda</b> The agenda was adopted without modifications.	<b>SLR-20-06</b>
<b>4.</b>	<b>Approval of the reports of the previous sessions</b> - Report on the 19 <sup>th</sup> meeting - Brussels, 12-14 July 2017 The Report was approved.	<b>SLR-19-08</b>
<b>5.</b>	<b>Stage 2 simplification - Work plan for discussion</b> The participants, also those online, have had a fruitful exchange of opinions on the basis of document SLR-20-07. In the discussion several comments were made. The following list provides a summary of the most relevant observations: <ul style="list-style-type: none"><li>• Repeatable and reproducible testing is a must</li><li>• Need to make distinction between "Must have" and "Nice to have" as this will have an important impact on timing</li></ul>	<b>SLR-20-07</b>

	<ul style="list-style-type: none"> <li>• Consider to set up SLR taskforces on specific subjects (e.g. Autonomous Vehicles and pedestrian recognition)</li> <li>• Standardisation bodies such as ISO and SAE have started already to work on this but it is fundamental to provide uniformity of message</li> <li>• Taking into account that most of the colours are already allocated to specific functions, turquoise seems to be the most practicable colour to identify a vehicle in autonomous mode</li> <li>• Consider to ask advice to WP.29 on how to proceed and coordinate input, ideally in a forum held in conjunction with WP.29 in June 2018.</li> <li>• SAC (Standardization Administration of China) made progress in the simplification but with focus on ADAS. The installation regulation (GB 4785) will be revised again to be aligned with the Stage 2 simplification of the UN lighting Regulations.</li> </ul>	
<p>6.</p>	<p><b>Marking clarification</b></p> <ul style="list-style-type: none"> <li>- Unique Identifier discussion document</li> <li>- Examples of markings for RID</li> <li>- Amendments applying only to some devices within one Regulation (see SLR-17-08) and the “Change index” (see Par. 3.3.2.4. of SLR-20-01)</li> </ul> <p>The participants considered document SLR-20-05 and SLR-20-08 along with the documents DETA-16-03 and SG58-22-10/Rev.1 (both available on the SLR-20 website for prompt reference).</p> <p>Mr. Rovers clarified that, according to the provisions of the Revision 3 of the 1958 Agreement, the "approval number" is what is indicated on the type approval documentation while the "approval marking" is what is shown on the device.</p> <p>Mr. Manz explained the problem due to the absence of a database and, consequently, the unavailability of the UI. For this reason he suggested not to send any new Regulation to WP.29 for adoption but rather to combine Stage 1 with Stage 2 and deliver a complete solution. By the time the work will be finished, the database and the UI should be operative.</p> <p>Mr. Bauckhage recognised the benefits of combining Stage 1 with Stage 2 and observed that in this way it would already be possible to introduce changes without rushing a complete Stage 1 package for GRE-78.</p> <p>Mr. Pernkopf reported that finishing Stage 1 is important and the SLR should not change plan. Mr. Plathner shared the same opinion and added that there are light sources projects in the pipeline that cannot wait indefinitely.</p> <p>Mr. Lazarevic was of the opinion that Stage 1 shall be completed as soon as possible and sent to WP.29 for adoption.</p> <p>Mr. Draper stressed the importance to keep the momentum and complete Stage 1. He also volunteered to draft a simple document (on the basis of Fig. A7-III in the LSD draft, GRE/2017/09) showing how the change index will work in practice with the current marking. This document will be circulated within the SLR for information and will be used in case of need during the discussion at GRE-78.</p>	<p><b>SLR-20-05</b> <b>SLR-20-08</b></p>

	<p>All the documents drafted during the extensive discussion about markings and UI are available on the SLR website as a ZIP document SLR-20-16.</p> <p>The SLR agreed to resume the discussion on this substantial subject at the next meeting taking into account the outcome of discussion and the input from GRE-78.</p>	
7.	<p><b>Action items in relation to light sources; Light Sources consequences, follow-up after light sources simplification (Revision of SLR-08-03)</b></p> <p>This item was not discussed. It will remain on the agenda.</p>	<b>SLR-17-03</b>
8.	<p><b>Updated drafts of the new UN Regulations</b></p> <p><b>- Draft New UN Regulation on Light Signalling Devices (improvements or corrections to SLR-20-01)</b></p> <p>The SLR reviewed again the document and introduced several improvements to the text and Annexes as proposed by GTB (document SLR-20-19). The SLR furthermore considered the input from the GTB WG Photometry (document SLR-20-15) but concluded that it should be addressed during the Stage 2.</p> <p>The SLR agreed to prepare an informal document for GRE-78 to indicate the latest changes to the text (GRE/2017/09).</p> <p><i>Note: considering the size of the LSD draft and the large number of SLR documents already on the agenda for GRE-78, it was decided not to submit an additional informal document to GRE-78 but to introduce all the text improvements to the final LSD official proposal for GRE-79.</i></p> <p><b>- Draft New UN Regulation on Road Illumination Devices (latest version, superseding SLR-18-03)</b></p> <p>The SLR completed the review of the whole document, making several improvements to the text and Annexes. Further to a complete editorial check and final polishing, Mr. Puglisi will submit the final draft to GRE-78 as an informal document (now available as GRE-78-31).</p> <p>The SLR also considered a proposal made by Mr. Langhammer for a revised Annex 1 (now available as SLR-20-17) but concluded to keep the Annex unchanged for the time being.</p> <p><b>- Draft New UN Regulation on Retro-Reflective Devices (latest version, superseding SLR-18-04)</b></p> <p>The SLR examined the latest draft produced by Mr. Ewald and acknowledged the great result achieved. Nevertheless it was concluded that the submission of the RRD draft to GRE-78, even as an informal document, would be still premature.</p> <p>Mr. Ewald informed that a lot of improvements and simplification shall be expected for the Stage 2 Simplification of the RRD draft.</p> <p>The SLR agreed to continue to work on the document with the target to submit an official proposal for GRE-79.</p>	<p><b>GRE/2017/09</b></p> <p><b>SLR-20-15</b></p> <p><b>SLR-20-19</b></p>

9.	<p><b>Updated references to device Regulations</b></p> <ul style="list-style-type: none"> <li>- Proposal for UN Regulation No. 53</li> <li>- Proposal for UN Regulation No. 74</li> <li>- Proposal for UN Regulation No. 86</li> <li>- Proposal for UN Regulation No. 48-04</li> <li>- Proposal for UN Regulation No. 48-05</li> </ul> <p>The SLR examined all the documents and made improvements to the text. The revised versions, reflecting all the changes agreed at SLR-20, will be sent as informal documents to GRE-78.</p> <p>The proposal for UN Regulation No. 48-06 already submitted to GRE-78 (namely GRE/2017/11) will need to be aligned with the latest proposals for the 04 and 05 series of amendments to UN Regulation No. 48.</p> <p><i>Note 1: after a final polishing, the proposals were sent to GRE-78 as informal documents GRE-78-11 (R-53), GRE-78-12 (R-74), GRE-78-13 (R-86), GRE-78-14 (R48-04) and GRE-78-15 (R48-05).</i></p> <p><i>Note 2: the revised proposal for UN Regulation No. 48-06 was sent to GRE-78 as informal document GRE-78-20.</i></p>	<p><b>SLR-20-09</b></p> <p><b>SLR-20-10</b></p> <p><b>SLR-20-11</b></p> <p><b>SLR-20-12</b></p> <p><b>SLR-20-13</b></p>
10.	<p><b>Proposal for new definition in R48 (04, 05 and 06 series)</b></p> <p>This item was not discussed. It will remain on the agenda.</p>	<p><b>SLR-20-14</b></p>
11.	<p><b>DETA update, if available</b></p> <p>The SLR agreed on the need to hold a meeting between the DETA group and the SLR group before the 78<sup>th</sup> GRE session and instructed Mr. Puglisi to organise such a meeting.</p> <p><i>Note: the meeting took place on 18 October 2017 in Brussels (see document SLR-21-04).</i></p>	
12.	<p><b>SLR documents submitted to GRE-78</b></p> <ul style="list-style-type: none"> <li>- Draft New UN Regulation on Light Signalling Devices</li> <li>- Grouped and reorganized definitions in R48-06</li> <li>- Updated references to device Regulations (R48-06)</li> <li>- Transitional Provisions</li> </ul> <p>This item was only for reference purposes. No discussion took place.</p>	<p><b>SLR-20-01</b> <b>(GRE/2017/09)</b></p> <p><b>SLR-20-02</b> <b>(GRE/2017/10)</b></p> <p><b>SLR-20-03</b> <b>(GRE/2017/11)</b></p> <p><b>SLR-20-04</b> <b>(GRE/2017/13)</b></p>
13.	<p><b>Any Other Business</b></p> <p>No other business was discussed.</p>	

	<p><b>Next meeting(s)</b></p> <p>The SLR agreed the following meeting schedule:</p> <ul style="list-style-type: none"> <li>➤ <b>21<sup>st</sup> SLR meeting</b> - Brussels on 18-21 December 2017</li> <li>➤ <b>22<sup>nd</sup> SLR meeting</b> - China (TBD) on 29 January / 1 February 2018</li> </ul> <p><b>14.</b> ➤ <b>23<sup>rd</sup> SLR meeting</b> - Brussels on 4-6 April 2018</p> <p>Mr. Zhao will provide details in due time about the meeting in China (this is now available as document SLR-21-03).</p> <p>Unless otherwise specified, the meetings in Brussels are held at the CLEPA Headquarters in Cours Saint-Michel 30g.</p>	
<p><b>15.</b></p>	<p><b>Closure</b></p> <p>Mr. Loccufier thanked all the participants for their fruitful contribution and closed the meeting.</p>	

## Annex 1 to SLR-20-18

### Participation at 20<sup>th</sup> SLR meeting 4-6 October 2017

IN PERSON	WEBEX/TELEPHONE
Mr. Michel LOCCUFIER (BE, SLR Chair)	Mr. Lukas SCHWENKSchUSTER (GTB)
Mr. Aleksander LAZAREVIC (EC, SLR Vice-Chair)	Mr. Michael PERNKOPF (GTB)
Mr. Davide PUGLISI (GTB, SLR Secretary)	Mr. Walter SCHLAGER (IEC) – 6 October only
Mr. Geoff DRAPER (GTB)	Mr. Zhun ZHAO (GTB) – 4 October only
Mr. Karl MANZ (DE)	Mr. Yuntang HE (GTB) – 4 October only
Mr. Philipp PLATHNER (IEC)	Mr. Valter GENONE (IT) – 6 October only
Mr. Derwin ROVERS (NL)	
Mrs. Françoise SILVANI (OICA)	
Mr. Jürgen EWALD (CLEPA) – 5 and 6 October only	
Mr. Thomas BAUCKHAGE (CLEPA)	
Mr. Gert LANGHAMMER (CLEPA)	
Mr. Beny GRIGORESCU (GTB)	

Excused:

Mr. Antoine PAMART (FR)

Mr. Satoshi TSUKAMOTO (JP)