

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

**26<sup>th</sup> meeting**

24-26 September 2018

CLEPA Headquarters  
Cours Saint-Michel 30g, Brussels

**REPORT**

		<b>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 with the insertion of a new item 6 dealing with development of GTRs and some other topics under item 12 “AOB”. A revised agenda, reflecting all the agreed modifications, was circulated as document SLR-26-09/Rev.1.	<b>SLR-26-09/Rev.1</b>
<b>4.</b>	<b>Approval of the reports of the previous sessions</b> - Report 24 <sup>th</sup> meeting - Brussels, 30 May / 1 June 2018 - Report 25 <sup>th</sup> meeting - Brussels, 3-5 July 2018 The reports on the 24 <sup>th</sup> and 25 <sup>th</sup> SLR session were approved without modifications.	<b>SLR-24-15</b> <b>SLR-25-10</b>
<b>5.</b>	<b>Update of SLR Terms of Reference</b> Mr. Puglisi introduced an edited version of document SLR-25-09, showing all the feedback received since the previous session. The participants carefully examined this document in all its parts and made further improvements which resulted in a revised text circulated as SLR-26-12. The SLR agreed to propose to GRE the closure of the IWG VGL and to take over from GRE-79-29.	<b>SLR-25-09</b>

	<p>All SLR members were invited to study document SLR-26-12 and inform Mr. Puglisi by 3 October 2018 in case problems are being found. The proposal will then be sent to GRE-80 as an informal document for adoption.</p> <p><i>Note: an editorially improved version of the ToR has been produced after the meeting and circulated as document SLR-26-12/Rev.1. This document was sent to GRE-80 and circulated as GRE-80-14.</i></p>	
<p>6.</p>	<p><b>Development of GTRs</b></p> <p>Mr. Loccufier provided a general introduction pointing out that it is the right time to start considering to develop GTRs.</p> <p>Mr. Lazarevic reported that currently GRE is geographically limited and GTRs would be the best option to broaden the geographical coverage of UN lighting and light signalling Regulations.</p> <p>The SLR agreed that one of the best candidate subjects for working on a GTR would be AV lighting since it would be a new subject not yet regulated. Mr. Rovers added that, from a managerial point of view, it shall be recognised that some of the procedures under the '98 Agreement are different from the '58 Agreement (e.g. a GTR seeks “common windows”, in principle on most onerous requirements).</p> <p>Mr. Draper pointed out that to really benefit from the harmonisation work it would be necessary to focus on GTRs, otherwise any alignment will just be temporary. He observed that the SLR is not far from creating the core of a GTR and added that, without much extra work, the SLR could adapt the outcome of the Stage 2 to ultimately achieve GTRs. He explained that ADB could be a good candidate for a GTR, in order to define a simpler approach to adaptive lighting. Finally, he informed that GRVA is compiling a list of items for consideration and suggested GRE to identify some appropriate lighting topics to be on such a list.</p> <p>Mr. Bauckhage pointed out that today there is no “world car”. Different products are currently developed for different regions of the world and this trend does not seem to change in the near future. Moreover, he observed that there are different views on GTRs: if they are considered to be the minimum safety requirement worldwide, then the ADB would not be a good candidate.</p> <p>Mr. Goldbach reported that GTRs represent an opportunity for new technology but expressed some doubts for subjects already covered by the existing Regulations (UN, FMVSS, GB, etc.).</p> <p>The SLR agreed in general to work on GTRs since this was seen as the logical evolution of the simplification work, nevertheless no agreement could be reached for the time being on the topic(s) of work.</p> <p>SLR members were invited to provide Mr. Puglisi by 10 October 2018 with a list of potential candidate functions, in addition to AV signalling, to be considered for becoming a GTR (and a short explanation why such functions would be appropriate for a GTR). This list of candidate functions will be used during the GTR discussion at the next (80<sup>th</sup>) GRE session. GRE will then decide the best topic for GTR, if any.</p>	<p><i>For reference only:</i>  <i>SLR-14-04,</i>  <i>SLR-17-06,</i>  <i>SLR-26-04</i></p>

7.	<p><b>Stage 2 simplification: update and further planning</b>  <b>- GTB input for Stage 2 about LSD Regulation</b></p> <p>Mr. Bauckhage informed that GTB is working on the LSD document but there is no news to report for this session. He will transfer the comments from SLR-25-02 on the latest official draft LSD (i.e. WP29/2018/157). This document will be posted on the SLR website for comments.</p> <p>All SLR members were invited to study this document and provide comments. An updated proposal should be provided by GTB for the next SLR session in December, taking into account all the comments received.</p>	SLR-25-02
	<p><b>- GTB input for Stage 2 about RID Regulation</b></p> <p>Mr. Blusseau introduced document SLR-26-04/Rev.1 pointing out that one of the themes under discussion was about extending the adaptive function to fog beam and cornering.</p> <p>Mr. Rovers asked whether the vehicle speed was the leading parameter for minimum required road illumination as in that case it would be performance based. Mr. Blusseau clarified that the vehicle speed is a fundamental parameter but this could also be combined with GPS information. He also reported that input is expected from IMMA as the current requirements for motorcycles are based on the cubic capacity of the engine.</p> <p>The SLR supported the approach proposed by GTB.</p> <p>An updated proposal (on the basis of SLR-26-04/Rev.1) will be provided by GTB for the next SLR session in December, taking into account all the comments received and informal document GRE-76-04/Rev.1.</p>	SLR-26-04/Rev.1
	<p><b>- GTB input for Stage 2 about RRD Regulation</b>  <b>- Working Draft of Stage 2 RRD Regulation</b>  <b>- Analysis of RRD Regulation for Stage 2</b></p> <p>Mr. Ewald, on the basis of document SLR-26-05, provided a comprehensive overview of the work in progress in GTB, pointing out the main topics of work and what still has to be done. He explained that Annexes 4, 11 and 22 shall be verified by testing labs and added that performance-based requirements need good testing provisions.</p> <p>Mr. Schlager offered to bring this to the attention of the GTB experts from testing labs who will meet at the end of September. All feedback shall be provided to Mr. Puglisi by the end of October.</p> <p>An updated proposal (on the basis of SLR-26-06) should be provided by GTB for the next SLR session in December.</p> <p>Mr. Schwenkschuster briefly introduced document SLR-26-07, explaining the logic used to work on the text and the results achieved so far. He reported that the requirements (i.e. “what to do”) should be contained in the main body of the Regulations while the Annexes should contain test methods, communications, etc. (i.e. “how to do”).</p> <p>The SLR agreed to follow this logic in a consistent way among the 3 new simplified UN Regulations.</p>	SLR-26-05 SLR-26-06 SLR-26-07

8.	<p><b>IEC analysis of Light Sources in RID Regulation for Stage 2</b></p> <p>Mr. Schlager introduced document SLR-26-08 informing about the review of the RID text with respect to the aspects related to light sources. He explained that the document, intended to support the stage 2 discussion, provides a summary of all the key parameters indicated in Par. 4.5. of the RID Regulation.</p> <p>The SLR recognised that the requirements can be technology neutral but not the testing provisions. An updated version of SLR-26-08 will be provided by IEC to the December SLR session.</p>	SLR-26-08
9.	<p><b>IMMA proposal to fix wording inconsistency in LSD, RID, RRD</b></p> <p>The SLR considered document SLR-26-01 provided by IMMA and agreed with the proposed modification even though it was not deemed to be urgent. It will be addressed during the Stage 2 discussion or in conjunction with the first amendment to the LSD Regulation.</p>	SLR-26-01
10.	<p><b>IMMA comments on LSD paragraphs 5.6. to 5.8.</b></p> <p>The SLR considered document SLR-26-02 provided by IMMA and it was agreed to proceed as follows:</p> <p>- <u>Comment No. 2</u> → The proposed change is not necessary since the current text is correct.</p> <p>- <u>Comment No. 13</u> → Keep the text below Table 9 unchanged. Inside Table 9, the reference “1” to a footnote shall be removed (just the number “1”). This modification will be addressed in conjunction with the first amendment to the LSD Regulation.</p>	SLR-26-02
11.	<p><b>IMMA comments on RID paragraph 4.1.2.</b></p> <p>The SLR considered document SLR-26-03 provided by IMMA and agreed not to change the current text for the time being since the whole paragraph 4.1. in Annex 6 of the RID Regulation will be reviewed during the Stage 2.</p>	SLR-26-03
12.	<p><b>Any Other Business</b></p> <p><b>- VCA interpretation for "indelible"</b></p> <p>For clarification purposes concerning the marking requirements, Mr. Draper shared with the SLR members the VCA interpretation for "indelible":</p> <p><i>“For markings to be considered 'indelible' they should be unlikely to become disfigured or obliterated during the life of the vehicle. Whilst stamping or engraving is preferable it is possible to accept a printed or painted plate providing it has been treated in such a way that it is most unlikely that essential information would be obliterated or defaced during the normal life of the vehicle.”</i></p> <p><b>- Clarifications on Visibility &amp; Glare</b></p> <p>The input from Karl Manz and Tomasz Targosinski (documents SLR-26-10 and SLR-26-11 respectively) were not considered because the submitters were not able to join the meeting. The discussion on this topic will resume only when a concrete proposal will be available, i.e. a proposal to amend the text of UN Regulation No. 48 and not only comments or presentations.</p>	

	<p>The SLR recognised that this is an important subject and agreed that it shall be addressed during the Stage 2, Step 2 discussion. The SLR furthermore recommended to develop the proposal to amend Reg. 48 in conjunction with OICA, due to its impact on the vehicles.</p> <p><b>- Missing WP.29 proposals for "Reorganized and grouped definitions" and for "Change index"</b></p> <p>The WP.29 Secretariat has been informed about the missing proposals that were agreed by GRE and will discuss internally the best way to submit such proposals to the November session of WP.29. Mr. Puglisi will keep the SLR members informed in case of updates.</p> <p><i>Note: on the 1<sup>st</sup> of October 2018 the Secretariat in Geneva issued and published on the WP.29 website revised versions (Revision 1) of the following documents:</i></p> <ul style="list-style-type: none"> <li>➤ <i>ECE/TRANS/WP.29/2018/110/Rev.1 Proposal for Supplement 1 to the 01 series of amendments to UN Regulation No. 86 (Installation of lighting and light-signalling devices for agricultural vehicles)</i></li> <li>➤ <i>ECE/TRANS/WP.29/2018/108/Rev.1 Proposal for Supplement 10 to the 01 series of amendments to UN Regulation No. 74 (Installation of lighting and light-signalling devices for mopeds)</i></li> <li>➤ <i>ECE/TRANS/WP.29/2018/104/Rev.1 Proposal for Supplement 2 to the 02 series of amendments to UN Regulation No. 53 (Installation of lighting and light-signalling devices for L3 vehicles)</i></li> <li>➤ <i>ECE/TRANS/WP.29/2018/99/Rev.1 Proposal for Supplement 11 to the 06 series of amendments to UN Regulation No. 48 (Installation of lighting and light-signalling devices)</i></li> </ul> <p><i>These revised documents, listed in the Addendum 1 to the provisional WP.29 agenda (see ECE/TRANS/WP.29/1141/Add.1), included the missing proposals.</i></p> <p><b>- Clarifications on Transitional Provisions</b></p> <p>The SLR considered a document produced by Mr. Koyama to provide clarifications on Transitional Provisions. The document was distributed after the meeting as SLR-26-13.</p> <p><b>- Contradictions between SLR approach and WP29/2017/107 “UN Guidelines”</b></p> <p>Mr. Puglisi informed about some potential contradictions, identified by IMMA, between the “merging approach” taken by the SLR and the “splitting approach” mentioned in the “UN Guidelines” (document WP29/2017/107).</p> <p>The SLR invited IMMA to raise this question during the next GRE.</p>	
13.	<p><b>Next meeting(s)</b></p> <p>The SLR agreed the following meeting schedule:</p> <ul style="list-style-type: none"> <li>➤ <b>27<sup>th</sup> SLR meeting</b> – Brussels (BE) on 10-12 December 2018</li> <li>➤ <b>28<sup>th</sup> SLR meeting</b> – Brussels (BE) on 25-27 February 2019</li> <li>➤ <b>29<sup>th</sup> SLR meeting</b> – Brussels (BE) on 27-29 March 2019</li> <li>➤ <b>30<sup>th</sup> SLR meeting</b> – Brussels (BE) on 22-24 May 2019</li> <li>➤ <b>31<sup>st</sup> SLR meeting</b> – Brussels (BE) on 3-5 July 2019</li> </ul>	

	<p>➤ <b>32<sup>nd</sup> SLR meeting</b> – Japan (TBC) in September 2019</p> <p>Unless otherwise specified, the meetings in Brussels are held at the CLEPA Headquarters in Cours Saint-Michel 30g and WebEx connection is always provided. The starting time on the first day is 13:00 hrs and the finish time is 12:30 hrs on the last day of meeting.</p>	
<p><b>14.</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-26-14

### Participation at 26<sup>th</sup> SLR meeting 24-26 September 2018

IN PERSON	WEBEX/TELEPHONE
Mr. Michel LOCCUFIER (BE, SLR Chair)	Mr. Gert LANGHAMMER (CLEPA)
Mr. Derwin ROVERS (NL)	Mr. Thomas GOLDBACH (OICA)
Mr. Davide PUGLISI (GTB, SLR Secretary)	Mr. Lukas SCHWENKSCHUSTER (GTB)
Mr. Geoff DRAPER (GTB) – 24-25 Sept. only	Mr. Michael PERNKOPF (GTB) – 25-26 Sept. (am) only
Mr. Thomas BAUCKHAGE (CLEPA)	Mr. Tomasz TARGOSIŃSKI (PL) – 25 Sept. (am) only
Mr. Jean-Marc PRIGENT (OICA)	Mr. Eric BLUSSEAU (CLEPA) – 25 Sept. (am) only
Mr. Erik VANDERVREKEN (CLEPA)	
Mr. Takahiro KOYAMA (JP)	
Mr. Sébastien PATERNOTTE (IMMA)	
Mr. Walter SCHLAGER (IEC)	
Mr. Beny GRIGORESCU (GTB)	
Ms. Aurélie BERTHEL (OICA)	
Mr. Jürgen EWALD (CLEPA) – 25-26 Sept. only	
Mr. Frédéric HAY (CLEPA)	
Mr. Antoine PAMART (FR)	
Mr. Aleksander LAZAREVIC (EC, SLR Vice-Chair)	

Apologies from:

- Mr. Gernot SAUTER (CLEPA)
- Mr. Karl MANZ (DE)
- Ms. Daniela LEVERATTO (IMMA)
- Mr. Subrat Kumar DASH (IN)
- Mr. Feroz Ali KHAN (IN)