

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

24th meeting

30 May / 1 June 2018

CLEPA Headquarters
Cours Saint-Michel 30g, Brussels

REPORT

		Working Documents
1.	Welcome and opening remarks Mr. Loccufier, Chairman of the Informal Working Group, opened the session welcoming all the participants.	
2.	Introduction of participants and organisations A list of all participants is available in Annex 1 to this Report.	
3.	Adoption of the agenda The agenda was adopted with the insertion of new documents as reflected in the revised version (doc. SLR-24-01/Rev.1).	SLR-24-01/Rev.1
4.	Approval of the reports of the previous sessions - Report 22 nd meeting - Shenzhen, 29 January / 1 February 2018 - Report 23 rd meeting - Brussels, 4-6 April 2018 The approval of the reports was postponed to the next session.	SLR-22-09 SLR-23-08
5.	Outcome SLR documents submitted to GRE-79 <ul style="list-style-type: none">• <i>Draft New UN Regulation on Light Signalling Devices (LSD)</i>• <i>Draft New UN Regulation on Road Illumination Devices (RID)</i>• <i>Draft New UN Regulation on Retro-Reflective Devices (RRD)</i>• <i>Transitional Provisions</i>• <i>Improvements and corrections</i>	SLR-24-12 <i>GRE/2018/02</i> <i>GRE/2018/03</i> <i>GRE/2018/04</i> <i>GRE-79-10</i> <i>GRE-79-14</i>

	<ul style="list-style-type: none"> • <i>Updated references to device Regulations</i> <ul style="list-style-type: none"> - Proposal for UN Regulation No. 53-01 - Proposal for UN Regulation No. 53-02 - Proposal for UN Regulation No. 74-01 - Proposal for UN Regulation No. 48-03 - Proposal for UN Regulation No. 48-04 - Proposal for UN Regulation No. 48-05 - Proposal for UN Regulation No. 48-06 - Proposal for UN Regulation No. 86-00 - Proposal for UN Regulation No. 86-01 • <i>Improve and correct references to LSD, RID, RRD</i> • <i>Grouped and reorganized definitions</i> <ul style="list-style-type: none"> - Proposal for UN Regulation No. 48-06 - Proposal for UN Regulation No. 86-01 - Proposal for UN Regulation No. 53-02 - Proposal for UN Regulation No. 74-01 • <i>Transitional Provisions</i> • <i>Use of "Change Index"</i> <ul style="list-style-type: none"> - Proposal for Reg. 48-06 (including "Change Index" definition) - Collective Amendment for R53-02, R74-01 and R86-01 - Improvements and corrections - Explanation of the "Change Index" <p>Mr. Puglisi, on the basis of document SLR-24-12, summarised the outcome of the 79th GRE session concerning the SLR related proposals.</p>	<p>GRE/2018/17 GRE/2018/15 GRE/2018/14 GRE/2018/30 GRE/2018/08 GRE/2018/07 GRE/2018/06 GRE/2018/10 GRE/2018/09 GRE-79-13</p> <p>GRE/2018/13 GRE/2018/12 GRE-79-08 GRE-79-09 GRE/2018/11</p> <p>GRE/2018/16 GRE/2018/18 GRE-79-11 GRE-79-12</p>
6.	<p>EC proposal to improve GRE/2018/11 (Transitional Provisions) - Revised draft proposal from EC</p> <p>Mr. Lazarevic introduced document SLR-24-02 with the aim to improve the SLR proposal for Transitional Provisions discussed at GRE-79 (document GRE/2018/11) and to introduce in Reg. 48-06 new minimum installation requirements for type approved lighting and light-signalling devices.</p> <p>After an extensive discussion whether the device Regulations or the installation Regulations should be addressed, the SLR agreed to remove the 3rd paragraph from document GRE/2018/11 (adopted by GRE-79 with square brackets) because not necessary. The topic (i.e. not allowing installation of "old" devices on new vehicles) will be addressed during Stage 2, step 2, or maybe earlier in case of R48-07 series of amendment.</p>	<p>GRE-79-31 SLR-24-02</p>
7.	<p>New requirements for headlamp levelling - Draft proposal for R48-07 on the basis of the outcome of IWG-VGL</p> <p>Mr. Rovers introduced document GRE-79-29 pointing out that it was jointly prepared Netherlands and Italy, merely as a discussion document for the possible introduction of new requirements for headlamp levelling, in particular regarding the vertical inclination in relation to the dipped-beam headlamp mounting height. He clarified that the document was not intended to be submitted to GRE-80 as an official proposal.</p>	<p>GRE-79-29</p>

<p>Mr. Rovers pointed out that the performance described in the blue box shall be achieved, no matter how. Levelling requirements are in principle performance based and do not necessarily imply the mandatory installation of one specific device.</p> <p>- Polish improvements of GRE-79-29</p> <p>Mr. Targosinski, on the basis of SLR-24-05/Rev.1, illustrated the Polish proposal to improve document GRE-79-29. He pointed out that the main issue is how to make sure to stay within the box.</p> <p>Mr. Pamart observed that all the loading conditions to fulfil the box are already described in Annex 5 of Reg. 48. He also recalled that in the FMVSS 108 no levelling is required.</p> <p>Mr. Grigorescu pointed out that the proposal in GRE-79-29 already brings a remarkable 20% improvement of the tolerance. The Polish proposal is half of the blue box resulting from the IWG VGL and de facto will not be technology neutral since it would make it impossible for some technologies.</p> <p>Mr. Pamart recalled that 1,6 % tolerance was the general agreement within the IWG VGL and this was already a big improvement from the current situation. He explained that 1,6 % is the very minimum for real road conditions (i.e. tyre pressure, shock absorbers, road surface, etc.) and added that 0,5 % is the tolerance for headlamps installed in laboratory.</p>	<p>SLR-24-05/Rev.1</p>
<p>- GTB Approach to Glare and Visibility Issues</p> <p>Mr. Draper introduced SLR-24-06 stressing that the passing beam is the result of a pragmatic compromise between the need to “see” and the need to avoid unacceptable levels of glare to other road users. He informed that a synthesis of the GTB approach can be found at page 8 of SLR-24-06 and recalled that GTB will hold a Forum on Glare and Visibility in Geneva on Monday 22 October 2018 (prior to GRE-80) to provide the contracting parties and GRE experts with an opportunity to hear the conclusions of the Research Institutes of Asia, Europe and the USA, focussed on the important issue of Glare and Visibility.</p>	<p>SLR-24-06</p>
<p>- Polish Understanding of "Performance"</p> <p>- Polish proposal for Draft proposal for performance RID</p> <p>Mr. Targosinski briefly introduced SLR-24-08 about the concept of "performance". For lack of time it was not possible to discuss SLR-24-09.</p> <p>Mr. Targosinski was invited to provide feedback to SLR-25 on document GRE-76-21 (CLEPA Analysis of the Polish proposal GRE/2016/18).</p> <p>The SLR agreed to continue the discussion on the VGL subject within the SLR as part of the Stage 2, step 2 simplification.</p> <p>As a general comment, Mr. Loccufier observed that some CPs may think that the current requirements are not enough and that the SLR might need to consider a more dynamic measurement system in line with real driving scenario rather than measurement of static points.</p>	<p>SLR-24-08</p> <p>SLR-24-09</p>

8.	<p>SAE Proposal for amendments to Regulations Nos. 98, 112, 113, 123</p> <p>Mr. Gorzkowski explained the proposal presented at the 79th GRE session to introduce a clear reference to the new UN Regulation RID in the existing UN Regulations for headlamps.</p> <p>The SLR agreed on the need to continue allowing UN Regulations for headlamps to be used on vehicles in Canada as per the recent revision of CMVSS 108. Furthermore the participants acknowledged that the proposal would not generate problems to the SLR package since there is no impact on the new simplified Regulations.</p> <p>The final text adopted by SLR resulted in a new document circulated as SLR-24-14. This paper will be sent to GRE-80 as an official proposal for collective amendments.</p>	GRE-79-32/Rev.1
9.	<p>Correction of errors, if any, in the adopted SLR proposals for Stage 1 - CLEPA Comments on RRD (GRE/2018/04)</p> <p>Mr. Sauter introduced document SLR-24-11 explaining the points in the RRD Regulation (GRE/2018/04) that should be corrected.</p> <p>Mr. Ewald, with the assistance of Mr. Schwenkschuster, carried out a thorough analysis of the RRD Regulation which revealed several inconsistencies in the references of paragraphs. A draft document showing all these minor corrections was shown on the screen and discussed by the participants.</p> <p>The SLR agreed to integrate all the editorial corrections identified and resume the discussion at SLR-25 on the basis of a consolidated proposal.</p> <p>- GTB comments on RID Table 9</p> <p>Mr. Langhammer informed that in Table 9, Part A, the column for Class C passing beam shall be adjusted to correctly reflect the values from UN Regulation No. 123.</p> <p>The discussion will resume at SLR-25 on the basis of a proposal to be prepared by Mr. Langhammer with the assistance of Mr. Pernkopf.</p>	SLR-24-11
10.	<p>Stage 2 simplification: update and further planning</p> <p>- GTB input for Stage 2 about LSD and RRD</p> <p>Mr. Bauckhage and Mr. Ewald, on the basis of document SLR-24-04, provided an update on the input that GTB is preparing for the Stage 2 simplification with regards to the LSD and RRD Regulations.</p> <p>Mr. Ewald explained that for the Stage 2 it is expected a significant size reduction of the RRD Regulation.</p> <p>Mr. Loccufier recognised the valuable input provided by GTB and invited Mr. Bauckhage to produce for SLR-25 a document addressing the LSD Regulation, reflecting all topics identified by GTB/WG-SL, in order to start a concrete discussion within the SLR.</p> <p>- GTB Contribution to the 24th SLR session</p> <p>Mr. Puglisi briefly introduced document SLR-24-07 pointing out that main points that, in the opinion of GTB, should be discussed and developed as part of the overall approach to the Stage 2 simplification.</p>	<p>SLR-24-04</p> <p>SLR-24-07</p>

<p>- German comments on Stage 2 + SLR feedback</p> <p>The SLR considered the German comment provided by Mr. Manz prior to the meeting. During the session all comments have been carefully addressed. The German comment and the associated SLR observations have been made available as document SLR-24-13. Mr. Manz was invited to provide clarifications as indicated in the document.</p> <p>- GTB input for Stage 2 about RID</p> <p>Mr. Hay provided a brief update on the input that GTB is preparing for the Stage 2 simplification with regards to the RID Regulation. The SLR thanked Mr. Hay for the status report and invited him to provide further details for SLR-25 on the work in progress in the GTB/WG-FL and to clarify the improvements from the Stage 1.</p> <p>The SLR agreed to contact the GRE Secretariat for requesting the distribution of a notification message to make sure that all CPs are aware that the SLR is now working on the Stage 2 simplification and to seek the input from CPs as well as to encourage them to actively participate in the Stage 2 simplification meetings (either in person or via WebEx).</p>	<p>SLR-24-13</p>
<p>Any Other Business</p> <p>- Information from the meeting of the PT23 "R86 lighting and signalling installation"</p> <p>Mr. Ewald provided a quick update on the activity carried out within the CEMA PT23. He will provide further information at the next meeting. This item will stay on the agenda.</p> <p>- IMMA draft proposal about inboard visibility angle in LSD</p> <p>Mr. Paternotte provided background information pointing out that the original proposal from IMMA (namely GRE/2018/27) was intended to amend R-50. This proposal, together with the corresponding proposal to amend R-53 (namely GRE/2018/28), were generally supported at GRE-79 but could not be submitted to WP.29 due to the earlier decision to "freeze" Reg. 50 which would be replaced by the new LSD Regulation.</p> <p>11. Mr. Paternotte explained that the proposal in SLR-24-03 introduces the same changes contained in document GRE/2018/27 into the new LSD Regulation (GRE/2018/02).</p> <p>The SLR agreed in principle to send this proposal to GRE-80 as formal document to amend LSD, provided that GRE can accept proposals of amendments to Regulations not yet in force. Mr. Puglisi will verify this matter with the GRE Secretariat and will provide clarifications at SLR-25.</p> <p>The SLR furthermore agreed that the proposal for R-53 (GRE/2018/28) shall be sent to WP.29 only in conjunction with the proposal for the LSD Regulation (SLR-24-03) to avoid misalignments.</p> <p>- India comments on simplified Regulations</p> <p>Mr. Dash introduced document SLR-24-10 explaining that, for clarity sake, it would be appropriate to specify the UN installation Regulations, related to categories of vehicles other than M, in the definition paragraph of the new Regulations LSD, RID and RRD.</p>	<p>SLR-24-03</p> <p>SLR-24-10</p>

	<p>The SLR agreed to amend paragraph 2.1. of the new Regulations to read:</p> <p>"2.1. All the definitions given in the latest series of amendments to UN Regulation No. 48, in force at the time of application for type approval shall apply, unless otherwise specified in this UN Regulation or in the pertinent installation Regulations Nos. 53, 74 and 86"</p> <p>For clarification purposes, the SLR agreed to define the priority to find the correct definitions:</p> <ol style="list-style-type: none"> I. Specific definitions, if any, provided in the device Regulation II. Specific definitions, if any, provided in the pertinent installation Regulations Nos. 53, 74 and 86 (as applicable) III. Latest series of amendments to UN Regulation No. 48, in force at the time of application for type approval <p>Concerning the comments made by Mr. Dash on the aiming angle requirements, the SLR agreed to proceed as follows:</p> <ul style="list-style-type: none"> ➤ <i>2nd comment, Query 1:</i> SLR will provide a justification about the "1 degree" issue. Mr. Langhammer and Mr. Bauckhage offered to provide such a justification for the SLR-25 session. ➤ <i>2nd comment, Query 2:</i> For consistency it was agreed to use "or". Par. 1.2.2.3. and Par. 1.2.3. in Annex 2 of the RID Regulation will be corrected accordingly. <p>- Update of SLR Terms of Reference</p> <p>The SLR agreed to update its current Terms of Reference as an addendum to the adopted text (see Annex VIII to GRE-72 Report). The addendum shall refer to the existing Terms of Reference and focus on the remaining/new tasks for SLR such as Stage 2 (step 1 and 2), VGL, harmonisation, new delivery dates, etc.</p> <p>Mr. Bauckhage offered to prepare a draft for consideration at SLR-25.</p>	
<p>12.</p>	<p>Next meeting(s)</p> <p>The SLR agreed the following meeting schedule:</p> <ul style="list-style-type: none"> ➤ 25th SLR meeting - Brussels on 3-5 July 2018 ➤ 26th SLR meeting - Brussels on 24-26 September 2018 <p>Unless otherwise specified, the meetings in Brussels are held at the CLEPA Headquarters in Cours Saint-Michel 30g.</p>	
<p>13.</p>	<p>Closure</p> <p>Mr. Loccufier thanked all the participants for their fruitful contribution and closed the meeting.</p>	

Annex 1 to SLR-24-15

Participation at 24th SLR meeting 30 May – 1 June 2018

IN PERSON	WEBEX/TELEPHONE
Mr. Michel LOCCUFIER (BE, SLR Chair) – 30 May only	Mr. Gernot SAUTER (CLEPA) – 30 May
Mr. Derwin ROVERS (NL)	Mr. Michael PERNKOPF (GTB) – 30 May only
Mr. Davide PUGLISI (GTB, SLR Secretary)	Mr. Niklas BLOMQVIST (GTB) - 31 May & 1 June only
Mr. Aleksander LAZAREVIC (EC, SLR Vice-Chair)	Mr. Lukas SCHWENKSCHUSTER (GTB) – 30 May only
Mr. Sébastien PATERNOTTE (IMMA)	Mr. Tomasz TARGOSIŃSKI (PL) – 30 May only
Mr. Erik VANDERVREKEN (CLEPA)	Mr. Thomas GOLDBACH (OICA) – 30 May only
Mr. Antoine PAMART (FR)	Mr. Geoff DRAPER (GTB) – 30 May only
Mr. Walter SCHLAGER (IEC) – 30-31 May only	Mr. Subrat Kumar DASH (IN)
Mr. Beny GRIGORESCU (GTB)	Mr. Thodukattil Melethi BALARAMAN (IN)
Mrs. Aurélie BERTHEL (OICA)	Mr. Marcin GORZKOWSKI (SAE) – 31 May
Mr. Jürgen EWALD (CLEPA) – 30 and 31 May only	Mr. Walter SCHLAGER (IEC) – 1 June
Mr. Frédéric HAY (CLEPA)	
Mr. Thomas BAUCKHAGE (CLEPA)	
Mr. Gert LANGHAMMER (CLEPA)	
Mr. Jean-Marc PRIGENT (OICA)	

Apologies from:

- Mr. Philipp PLATHNER (IEC)
- Mr. Phil BAILEY (UK)
- Mr. Takahiro KOHYAMA (CLEPA)
- Mr. Karl Manz (DE)
- Mrs. Françoise SILVANI (OICA)