

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

**60<sup>th</sup> meeting**

Brussels, 18-20 January 2023

**REPORT**

		<b>Documents</b>
<b>1.</b>	<b>Welcome and opening remarks</b> The Chairman opened the meeting by 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.  The Chairman recalled that the priority at this session was the finalisation of the proposals for “headlamp levelling” and “device transition” (items 5 and 6 respectively), which SLR shall deliver to GRE-88 as formal documents, i.e. prior to the 30 January 2023 deadline.	<b>SLR-60-06</b>
<b>4.</b>	<b>Approval of the reports of the previous sessions</b> - Report 55 <sup>th</sup> meeting - WebEx, 18-20 May 2022 - Report 56 <sup>th</sup> meeting - Brussels (BE), 27-29 June 2022 - Report 57 <sup>th</sup> meeting - Karlsruhe (DE), 15-16 September 2022 - Report 58 <sup>th</sup> meeting - Brussels (BE), 12-14 October 2022 - Report 59 <sup>th</sup> meeting - Brussels (BE), 14-16 December 2022  SLR approved the report on the 55 <sup>th</sup> session without modifications. The approval of the remaining SLR reports was postponed to the next session.	<b>SLR-55-07</b> <b>SLR-56-04</b> <b>SLR-57-09</b> <b>SLR-58-11</b> <b>SLR-59-11</b>
<b>5.</b>	<b>Headlamp levelling; SLR Proposal for GRE-88</b> - Outcome of GRE-87 ( <i>see ECE/TRANS/WP.29/GRE/87, par. 13</i> ) - Updated proposal for Reg. 48-09 (Draft GRE/2020/8/Rev.3) - Track-change version ( <i>for information</i> ) - Clean version - GTB proposed formula for vertical inclination limits of the cut-off - OICA check of proposed formula for aiming diagram  Document SLR-60-01 was carefully scrutinized, double-checked and improved both in the text and in the justification. An updated text, reflecting all the improvements agreed at SLR-60 (including the introduction of a formula to determine the vertical inclination limits of the cut-off, see SLR-60-07 and 08) was circulated as SLR-60-01/Rev.1.	<b>GRE-87-29</b>  <b>SLR-59-02/Rev.1</b> <b>SLR-60-01</b> <b>SLR-60-07</b> <b>SLR-60-08</b>

	<p>After a final polishing of document SLR-60-01/Rev.1, this will be sent to GRE-88 as document GRE/2020/8/Rev.3. In particular: the aiming diagram will be turned into black colour, the x-axis will start at 0%, the drawing and text will be provided as PPT in order to be editable by the Secretariat as needed.</p> <p>SLR also considered to prepare an informal consolidation, merging the R48 proposals for “device transition” and “headlamp levelling”. If necessary, following the GRE approval of the SLR proposals for R48, this can be shared with the secretariat to provide assistance with the preparation of the final text of the WP.29 proposal for Reg. 48-09.</p>	
<p>6.</p>	<p><b>Device transition; SLR Proposals for GRE-88</b></p> <ul style="list-style-type: none"> <li>- Outcome of GRE-87 (<i>see ECE/TRANS/WP.29/GRE/87, par. 12</i>)</li> <li>- <u>Proposal for Reg. 48-09</u> <ul style="list-style-type: none"> <li>- Track-change version (<i>for information</i>)</li> <li>- Clean version</li> </ul> </li> <li>- <u>Proposal for Reg. 53-04</u> <ul style="list-style-type: none"> <li>- Track-change version (<i>for information</i>)</li> <li>- Clean version</li> </ul> </li> <li>- <u>Proposal for Reg. 74-03</u> <ul style="list-style-type: none"> <li>- Track-change version (<i>for information</i>)</li> <li>- Clean version</li> </ul> </li> <li>- <u>Proposal for Reg. 86-03</u> <ul style="list-style-type: none"> <li>- Track-change version (<i>for information</i>)</li> <li>- Clean version</li> </ul> </li> </ul> <p>The SLR proposals for the 4 installation Regulations have been fine-tuned and aligned, where possible, among each other. The latest available proposals, reflecting all the improvements agreed at SLR-60, were uploaded on the SLR website as follows:</p> <ul style="list-style-type: none"> <li>➤ <b>R48-09</b> → SLR-60-02/Rev.1 This proposal will be sent to GRE-88 with the square brackets in paras. 6.2.9. and 6.22.9.1. to indicate the amendments to be approved by WP.29 in March 2023 which are contained in document WP.29/2023/30 (originated from GRE/2022/18). SLR will inform GRE-88 (in April) that the square brackets can be removed from these paragraphs, under the proviso of the WP.29 approval of this proposal at its 189<sup>th</sup> session in March 2023. <i>Note: to avoid confusion, this proposal does not contain Transitional Provisions. The words “and extensions thereof” have been inserted in the proposal for “Headlamp Levelling” (draft GRE/2020/8/Rev.3).</i></li> <li>➤ <b>R53-04</b> → SLR-60-03/Rev.1 As agreed at GRE-87, to avoid the proliferation of multiple series of amendments, the SLR proposal incorporates the text of the proposal by Germany and Czech Republic (GRE/2022/15).</li> <li>➤ <b>R74-03</b> → SLR-60-04/Rev.1</li> </ul>	<p><b>SLR-59-10</b> <b>SLR-60-02</b></p> <p><b>SLR-59-06/Rev.1</b> <b>SLR-60-03</b></p> <p><b>SLR-59-07/Rev.1</b> <b>SLR-60-04</b></p> <p><b>SLR-59-08/Rev.1</b> <b>SLR-60-05</b></p>

	<p>➤ <b>R86-03</b> → SLR-60-05/Rev.1</p> <p><i>Note: this document includes some additional input kindly provided by CEMA after SLR-60. By mistake, the function “track changes” during SLR-60 was not active while working on the body of the Regulation, for this reason no change is visible. However, this text reflects all the modifications agreed at SLR-60.</i></p> <p>After a final polishing, these 4 proposals will be submitted as formal documents to GRE-88.</p>	
7.	<p><b>Proposals for clarification and correction meant for the 01 series of amendments to UN Regulations Nos. 148, 149 and 150</b></p> <ul style="list-style-type: none"> <li>- Corrections to R148-01</li> <li>- Correction to R149-00 and 01</li> <li>- Correction to R150-01 about “Resistance to weathering”</li> </ul> <p>Due to the need to prioritise other items on the agenda, this item was postponed to the next session.</p>	<p><b>SLR-53-11/Rev.5</b></p> <p><b>SLR-59-03</b> <b>SLR-59-05</b> <b>SLR-59-01</b></p>
8.	<p><b>UI and the “Summary document”</b></p> <ul style="list-style-type: none"> <li>- Outcome of GRE-87 (<i>see ECE/TRANS/WP.29/GRE/87, paras. 8 to 11</i>)</li> <li>- Assessment of UN Regs under the purview of GRE with regards to UI</li> <li>- Open questions (e.g. from IWG-DETA), if any</li> </ul> <p>Due to the need to prioritise other items on the agenda, this item was postponed to the next session.</p>	<p><b>GRE-87-24/Rev.1</b> <b>WP.29-188-20</b> <b>SLR-59-09</b></p>
9.	<p><b>Stage 2 / Step 2 - Specific items or general topics for consideration</b></p> <ul style="list-style-type: none"> <li>- Grouping and prioritising of topics</li> <li>- Dutch input on specific items: Apparent surface</li> <li>- Appearance of signal lamps (experimental study in 2011)</li> </ul> <p>Due to the need to prioritise other items on the agenda, this item was postponed to the next session. The Chairman pointed out that “Stage 2 / Step 2” will become the main item, as from SLR-61 (March 2023).</p> <p>All SLR members (both CPs and NGOs) were reminded to study doc. SLR-52-03/Rev.7 and to provide input on contents of the specific items. The discussion will continue on the basis of the input from the SLR members and, in particular, from those CPs/NGOs who proposed the various subjects.</p>	<p><b>SLR-52-03/Rev.7</b> <b>SLR-57-03</b> <b>SLR-58-05</b></p>
10.	<p><b>Any Other Business</b></p> <p>No other business was discussed.</p>	
11.	<p><b>Next meeting(s)</b></p> <p>The SLR agreed the following meeting schedule:</p> <ul style="list-style-type: none"> <li>➤ <b>61<sup>st</sup> SLR meeting</b> - Hybrid in Brussels (BE) on 22-24 March 2023</li> <li>➤ <b>62<sup>nd</sup> SLR meeting</b> - Hybrid in Brussels (BE) on 5-7 June 2023</li> <li>➤ <b>63<sup>rd</sup> SLR meeting</b> - Hybrid in Brussels (BE) on 30 Aug. / 1 Sept. 2023</li> </ul> <p>It was observed that the SLR met twice in Japan: in May 2017 (SLR-17) and in September 2019 (SLR-32). Due to the COVID-19 pandemic it has not been possible to meet again in Japan.</p>	

	<p>However, taking into account the ongoing contribution of the Japanese delegation, SLR considered the possibility to meet again in Japan (possibly already in the second half of 2023).</p> <p>A final decision is planned to be taken within the next couple of sessions, taking into account the availability of a meeting venue in Japan and the likelihood for the European experts to obtain the authorisation for travelling to Japan.</p>	
12.	<p><b>Closure</b></p> <p>The Chairman thanked all the participants for their fruitful contributions, especially for all the additional efforts leading to the finalization of the whole package for GRE-88, and closed the meeting.</p>	

**Participation at 60<sup>th</sup> SLR meeting  
Brussels + WebEx, 18-20 January 2023**

<b>18 January 2023</b>	<b>19 January 2023</b>	<b>20 January 2023</b>
Mr. Derwin ROVERS (NL, SLR Chair) *	Mr. Derwin ROVERS (NL, SLR Chair) *	Mr. Derwin ROVERS (NL, SLR Chair) *
Mr. Davide PUGLISI (GTB, SLR Secr) *	Mr. Davide PUGLISI (GTB, SLR Secr) *	Mr. Davide PUGLISI (GTB, SLR Secr) *
Mr. Yoshiro AOKI (JP)	Mr. Thomas BAUCKHAGE (CLEPA)	Mrs. Silke BARTON (CLEPA)
Mr. Thomas BAUCKHAGE (CLEPA)	Ms. Aurélie BERTHEL (OICA)	Mr. Thomas BAUCKHAGE (CLEPA)
Ms. Aurélie BERTHEL (OICA)	Mr. Jürgen EWALD (CLEPA) *	Ms. Aurélie BERTHEL (OICA)
Mr. Jürgen EWALD (CLEPA) *	Mr. Sebastian FAHR (OICA)	Mr. Jürgen EWALD (CLEPA) *
Mr. Sebastian FAHR (OICA)	Mr. Marc FISCHER (DE)	Mr. Marc FISCHER (DE)
Mr. Marc FISCHER (DE)	Mr. Manabu FUSHIMI (JP)	Ms. Kiyomi FUJIMOTO (JP)
Mr. Mark GRAINGER (OICA)	Mr. Valter GENONE (GTB)	Mr. Mark GRAINGER (OICA)
Mr. Beny GRIGORESCU (GTB)	Mr. Mark GRAINGER (OICA)	Mr. Beny GRIGORESCU (GTB)
Mr. Frédéric HAY (CLEPA)	Mr. Beny GRIGORESCU (GTB) *	Mr. Frédéric HAY (CLEPA)
Mr. Pere HERNANDEZ (IMMA)	Mr. Frédéric HAY (CLEPA)	Mr. Pere HERNANDEZ (IMMA)
Mr. Timo KÄRKKÄINEN (FI)	Mr. Pere HERNANDEZ (IMMA)	Mr. Timo KÄRKKÄINEN (FI)
Ms. Yoko KATO (JP)	Mr. Timo KÄRKKÄINEN (FI)	Mr. Takahiro KOHYAMA (JP)
Mr. Kota NAKAHIRA (IMMA)	Mr. Takahiro KOHYAMA (JP)	Mr. Kota NAKAHIRA (IMMA)
Mr. Philipp PLATHNER (IEC)	Mr. Kota NAKAHIRA (IMMA)	Mr. Michael PERNKOPF (CLEPA)
Mr. Jean-Marc PRIGENT (OICA)	Mr. Michael PERNKOPF (CLEPA)	Mr. Philipp PLATHNER (IEC)
Mr. Alfonso ROMERO (CLEPA) *	Mr. Philipp PLATHNER (IEC)	Mr. Jean-Marc PRIGENT (OICA)
Mr. Lukas SCHWENKSCHUSTER (GTB)	Mr. Jean-Marc PRIGENT (OICA)	Mr. Alfonso ROMERO (CLEPA) *
Mr. Christophe TISSIER (CEMA) *	Mr. Alfonso ROMERO (CLEPA) *	Mr. Yuto SAKURAI (JP)
	Mr. Lukas SCHWENKSCHUSTER (GTB)	Mr. Walter SCHLAGER (NL)
	Mr. Christophe TISSIER (CEMA) *	Mr. Lukas SCHWENKSCHUSTER (GTB)
		Mr. Christophe TISSIER (CEMA) *

Note: the asterisk "\*" indicates those who have participated in person.