

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

**40<sup>th</sup> meeting**

WebEx, 26-28 August 2020

**REPORT**

		<b>Documents</b>
<b>1.</b>	<b>Welcome and opening remarks</b> Mr. Rovers, substituting Mr. Loccufier as Chairman, opened the meeting 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 new documents. A revised agenda, reflecting the agreed modifications, was circulated as document SLR-40-03/Rev.1.	<b>SLR-40-03</b>
<b>4.</b>	<b>Approval of the reports of the previous sessions</b> - Report 37 <sup>th</sup> meeting - Brussels, 2-5 March 2020 - Report 38 <sup>th</sup> meeting - WebEx, 27-29 May 2020 - Report 39 <sup>th</sup> meeting - WebEx, 7-10 July 2020  The Report on the 37 <sup>th</sup> meeting (document SLR-37-16) was approved by SLR. The approval of the last Reports was postponed to the next session.	<b>SLR-37-16</b> <b>SLR-38-28</b> <b>SLR-39-27</b>
<b>Items 5. to 14.</b>	<b>Summary of the main outcome and actions to be done</b> <u>Corrections to UN Regulations (Item 6)</u> <ul style="list-style-type: none"><li>• <b>Reg. 48:</b> The proposed amendments to the definition of “Electronic light source control gear” and the deletion of the definition for “Ignitor” (see SLR-17-03) have been agreed by SLR40. Mr. Puglisi, with the assistance of IEC experts, will draft an informal document for GRE83 to introduce such corrections as Supplement to R48 (<i>see informal document GRE-83-06</i>).</li></ul>	

- **Regs. 113 and 149:** SLR-40-07/Rev.1 will be submitted to GRE-83 as an informal document to correct the Figure for Class B in R113-01, 02, 03 series and Class BS in R149-00 (*see GRE-83-07*).
- **Reg. 150:** An informal document based on the corrections indicated in red colour in SLR-40-14/Rev.1 will be prepared by the “Homework-team R150” for SLR-41. After SLR adoption, it will be sent to GRE83 as an informal document for consideration together with GRE/2020/12-Rev.1

Stage 2 (Step 1) simplification (Item 9)

**UN Regulation No. 148** (Item 9.1)

The latest draft consolidated document, reflecting all the latest modifications agreed by SLR, is available as document SLR-41-01.

A copy of this document, without the comments in purple colour, will be sent to GRE-83 by 4 September 2020 along with a presentation explaining the most important modifications done until now (*see SLR-41-02*).

**Transfer requirements for LED substitutes from 00 to 01 series of R148** (Item 9.2)

Document SLR-40-06 was extensively discussed and finally SLR decided to keep the existing text of R148 unchanged. This conclusion was reached for several reasons: LED substitutes were not considered a “substantial change”, they are optional, their deletion would require a new series of amendments and not a supplement (removing an option results in more stringent requirements), it would not be a task for SLR.

The SLR fully endorsed the GRE decision to keep the 00 series equivalent with the frozen Regulations, however it would not be correct to apply retroactively such a decision (the decision was taken at GRE82 in Oct 2019 while GRE agreed to introduce LED substitutes at GRE80 in Oct 2018). Moreover, LED substitutes are currently in force therefore there may be type approvals already granted or in progress.

**Scientific notation** (Item 9.3)

SLR-40-05/Rev.1 will be sent to GRE83 as informal document to introduce the scientific notation subject (*see GRE-83-08*). This topic will also be mentioned in the SLR presentation with a reference to the dedicated presentation.

A document summarising the SLR decisions about how to distinguish between points and angles in UN Regulations is available as SLR-40-18.

**UN Regulations on Installation** (Item 9.4)

Document SLR-40-04 (R48) was extensively discussed but was not ready for adoption during SLR-41.

- All CPs and NGOs were invited to study it and to come to SLR-41 with counter proposals, if necessary.
- GTB will improve the justification (e.g. brightness of the additional driving-beam, symmetry requirements, etc.).

- OICA will draft similar proposals applying to lower series of amendments to R48.

Documents SLR-39-17 (R53) and SLR-39-18 (R74) were considered and agreed by SLR. IMMA will draft similar proposals applying to lower series of amendments to R53 and R74.

Document SLR-40-02 (R86) was improved and corrected as reflected in SLR-40-02/Rev.1. SLR supported this revised document but recommended CEMA to improve the justification.

The discussion will resume at SLR-41 for a final check of the above proposals addressing installation Regulations, prior to their submission to the 83<sup>rd</sup> GRE session.

*Note: WebEx meetings involving the homework team leaders (Mr. Bauckhage, Mr. Langhammer, Mr. Ewald), the SLR officers (Mr. Loccufier, Mr. Lazarevic, Mr. Rovers, Mr. Puglisi) plus IMMA (Mr. Hernandez), CEMA (Mr. Tissier) and OICA (Mr. Prigent) will be organised in the following weeks to make editorial progress with the three new UN Regulations. No decision will be taken during these meetings, only recommendations for SLR-41.*

#### **UN Regulation No. 149** (Item 9.5)

The latest draft consolidated document, reflecting all the comments and latest modifications, is SLR-40-17. For readability purposes, a “cleaner” version of this document has been prepared (see SLR-41-03) where all the agreed modifications have been accepted and the closed comments have been removed. Nevertheless, all the points still open have been kept for further discussion by the “Homework-team R149” and by SLR-41.

A final document, based on SLR-41-03, will be sent to GRE83 along with a presentation (based on SLR-40-13) explaining the most important modifications done until now. The discussion will resume at SLR-41 for a final check of the whole document and the presentation, prior to submission to GRE-83.

#### **UN Regulation No. 150** (Item 9.6)

Mr. Grigorescu offered to update the drawings in Annex 24 (see SLR-39-01/Rev.2, slides 6, 7, 8). The “Homework-team R150” for SLR-41 will deliver the following:

1. One updated consolidation for R150-00 (Stage 1), based on doc. SLR-40-14/Rev.1. Mr. Koyama will lead this task
2. One informal document for GRE83 to correct R150 as indicated in red colour in SLR-40-14/Rev.1. Mr. Koyama will lead this task
3. One list of agreed modifications, open issues and items to discuss, like done for R148 in SLR-40-11. Mr. Ewald will lead this task
4. One updated consolidation of R150-01 (Stage 2), based on the revised consolidation of R150-00 (see above #1) and taking into account all the agreed modifications (see above #3 and document SLR-39-01/Rev.2). Mr. Ewald will lead this task

	<p>5. One updated presentation (based on SLR-39-01/Rev.2) explaining the most important modifications done until now. Mr. Ewald will lead this task.</p> <p>The discussion will resume at SLR-41 for a final check of the whole draft R150-01 document and the presentation, prior to submission to GRE-83.</p> <p><u>Application of frozen Regulations (Item 10)</u></p> <p>SLR concluded that, among the options listed in SLR-35-20/Rev.2, the #6 (i.e. old/old or new/new) was the most widely supported one. This topic will be mentioned in the SLR presentation to GRE83 with a request to indicate in the GRE minutes how to apply the frozen Regulations.</p> <p><u>Failure provisions for Road Illumination Devices (Item 14)</u></p> <p>An ad-hoc taskforce led by Mr. Kooss will meet via WebEx to prepare a proposal for SLR-41 (see SLR-40-16). SLR members wishing to be involved in this discussion shall contact Mr. Kooss.</p> <p><u>Correction of R19 (Item 14)</u></p> <p>The 03 series of amendments to R19 (measurements at 12.0V) was merged with the other newer 04 and 05 series in which the optical specifications are given for 13.2 V. This merging resulted in a number of mistakes in Reg. 19 Rev.7 and Rev.8. GTB will study the most appropriate way to correct R19. One of the errors to be corrected is the Line 6 in the table of Par. 6.4.3. to read “2,700 min” instead of “2,000 min”.</p> <p><u>CPs moment in future SLR meetings (Item 14)</u></p> <p>The SLR agreed to allocate a dedicated portion of the future SLR meetings to present the SLR results, and to provide an overview, to those CPs that may not have the chance to attend the complete session. Although all CPs are always invited and encouraged to participate in SLR meetings, the “CPs moment” will offer a good opportunity for being up-to-date and for asking questions.</p>	
<p>15.</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>41<sup>st</sup> SLR meeting</b> – WebEx, on 21-23 September 2020</li> <li>➤ <b>42<sup>nd</sup> SLR meeting</b> – WebEx, on 3-5 November 2020</li> <li>➤ <b>43<sup>rd</sup> SLR meeting</b> – WebEx, on 9-11 December 2020</li> </ul> <p>Due to COVID-19 pandemic, the next meetings will be WebEx only.</p>	
<p>16.</p>	<p><b>Closure</b></p> <p>The Chairman thanked all the participants for their fruitful contribution, despite the additional difficulties caused by the corona virus, and closed the meeting.</p>	

**Participation at 40<sup>th</sup> SLR meeting  
WebEx, 26-28 August 2020**

<b>26 August 2020</b>	<b>27 August 2020</b>	<b>28 August 2020</b>
Mr. Davide PUGLISI (GTB, SLR Secr)	Mr. Davide PUGLISI (GTB, SLR Secr)	Mr. Davide PUGLISI (GTB, SLR Secr)
Mr. Derwin ROVERS (NL, Act. Chair)	Mr. Derwin ROVERS (NL, Act. Chair)	Mr. Derwin ROVERS (NL, Act. Chair)
Mr. Thomas BAUCKHAGE (CLEPA)	Mr. Thomas BAUCKHAGE (CLEPA)	Mr. Thomas BAUCKHAGE (CLEPA)
Ms. Aurélie BERTHEL (OICA)	Ms. Aurélie BERTHEL (OICA)	Ms. Aurélie BERTHEL (OICA)
Mr. Eric BLUSSEAU (GTB)	Mr. Eric BLUSSEAU (GTB)	Mr. Eric BLUSSEAU (GTB)
Mr. Subrat DASH (IMMA)	Mr. Subrat DASH (IMMA)	Mr. Jürgen EWALD (CLEPA)
Mr. Jürgen EWALD (CLEPA)	Mr. Jürgen EWALD (CLEPA)	Mr. Mark FOWLER (IMMA)
Mr. Mark FOWLER (IMMA)	Mr. Mark FOWLER (IMMA)	Mr. Beny GRIGORESCU (GTB)
Mr. Beny GRIGORESCU (GTB)	Ms. Kiyomi FUJIMOTO (JP)	Mr. Frédéric HAY (CLEPA)
Mr. Frédéric HAY (CLEPA)	Mr. Manabu FUSHIMI (JP)	Mr. Pere HERNANDEZ (IMMA)
Mr. Pere HERNANDEZ (IMMA)	Mr. Mark GRAINGER (OICA)	Mr. Dieter KOOß (DE)
Mr. Dieter KOOß (DE)	Mr. Beny GRIGORESCU (GTB)	Mr. Takahiro KOYAMA (JP)
Mr. Takahiro KOYAMA (JP)	Mr. Frédéric HAY (CLEPA)	Mr. Gert LANGHAMMER (CLEPA)
Mr. Gert LANGHAMMER (CLEPA)	Mr. Pere HERNANDEZ (IMMA)	Mr. Michael PERNKOPF (GTB)
Mr. Michael PERNKOPF (GTB)	Mr. Kousuke HORII (JP)	Mr. Jean-Marc PRIGENT (OICA)
Mr. Jean-Marc PRIGENT (OICA)	Mr. Dieter KOOß (DE)	Mr. Lukas SCHWENKSCHUSTER (GTB)
Mr. Walter SCHLAGER (IEC)	Mr. Takahiro KOYAMA (JP)	Mr. Erik VANDERVREKEN (CLEPA)
Mr. Lukas SCHWENKSCHUSTER (GTB)	Mr. Gert LANGHAMMER (CLEPA)	
Mr. Varun SHARMA (IMMA)	Mr. Michael PERNKOPF (GTB)	
Mr. Erik VANDERVREKEN (CLEPA)	Mr. Jean-Marc PRIGENT (OICA)	
	Mr. Walter SCHLAGER (IEC)	
	Mr. Lukas SCHWENKSCHUSTER (GTB)	
	Mr. Erik VANDERVREKEN (CLEPA)	

**Apologies from:**

- Mr. Sebastian FAHR (OICA)
- Mr. Wilfried VAN LAARHOVEN (NL)