

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

37th meeting

2-5 March 2020

CLEPA Headquarters
Cours Saint-Michel 30g, Brussels

REPORT

		Documents
1.	Welcome and opening remarks Mr. Rovers, substituting Mr. Loccufier who was not able to attend this session, opened the meeting welcoming all the participants. Mr. Puglisi shortly reiterated the precautionary measures and etiquette concerning the corona virus (no handshaking, washing hands, distancing, if sneezing/coughing use disposable tissues, etc.), which were already communicated earlier by e-mail.	
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. A revised agenda, reflecting the agreed modifications, was circulated as document SLR-37-03/Rev.1.	SLR-37-03
4.	Approval of the reports of the previous sessions - Report 34 th meeting - Brussels, 4-6 November 2019 - Report 35 th meeting - Brussels, 11-13 December 2019 - Report 36 th meeting - Brussels, 8-10 January 2020 The Report on the 34 th meeting (doc. SLR-34-12) was approved by SLR. The approval of the two most recent reports was postponed to the next session.	SLR-34-12 SLR-35-22 SLR-36-12
5.	GRE priorities and recurrent items Mr. Rovers briefly introduced the GRE priority table (informal document GRE-83-04), pointing out that it was prepared together with Mr. Loccufier on the basis of the GRE work items listed in doc. SLR-34-06/Rev.3.	GRE-83-04

	Document GRE-83-04 was agreed and accepted by SLR and Mr. Loccufer will present it at the next AC.2 session in March 2020. This is a living document that will be regularly updated by GRE.	
	<p>SLR corrections to UN Regulations</p> <p>- UN Regulation No. 148</p> <p>Mr. Bauckhage introduced doc. SLR-37-05/Rev.1 pointing out that the proposal was intended only to provide clarifications for failure provisions in R148, both to the original series (Part A of the proposal) and to the draft 01 series (Part B).</p> <p>The SLR agreed with the proposed clarifications in the Part A of document SLR-37-05/Rev.1 (i.e. series 00 of amendments to R148). Mr. Bauckhage and Mr. Schwenkschuster will prepare for SLR-38 an informal document, including the Justification, for submission to GRE-83 in addition to GRE/2020/09 (<i>see SLR-38-06</i>).</p> <p>The text in the Part B of SLR-37-05/Rev.1 will be reflected in the new consolidated proposal for R148-01 (<i>see SLR-38-20</i>).</p> <p>- UN Regulation No. 149</p> <p>Mr. Koyama introduced doc. SLR-37-15 explaining that an additional marking example 4-b (Figure A13-V) has been inserted in Annex 13 to clarify the required markings for an additional lighting unit of an adaptive front-lighting system. This additional example was copied from example 8 (Figure 13) of UN Regulation No. 123.</p> <p>The SLR agreed to introduce this missing example in Annex 13. Mr. Puglisi will prepare an informal document, based on SLR-37-15, to be submitted to GRE-83 in addition to GRE/2020/10 (<i>see SLR-38-18</i>).</p> <p>- UN Regulations Nos. 98 and 123</p> <p>Mr. Koyama introduced doc. SLR-37-13/Rev.1 pointing out an error found in the photometric stability test points in both Regs. Nos. 123-01 and 149-00.</p> <p>Mr. Langhammer, with the assistance of Mr. Giottoli, will prepare for SLR-38 two informal documents for submission to GRE-83 to correct GRE/2020/10 and GRE/2020/11 (<i>see SLR-38-01 and -02</i>).</p> <p>- UN Regulation No. 150</p> <p>No further correction was reported during SLR-37.</p>	<p>GRE/2020/09 SLR-37-05/Rev.1</p> <p>GRE/2020/10 SLR-37-15</p> <p>GRE/2020/11 SLR-37-13/Rev.1</p> <p>GRE/2020/12</p>
6.		
7.	<p>Stage 2 / Step 1 Simplification – SLR package for GRE-83</p> <p>- UN Regulations Nos. 48, 53, 74, 86</p> <p>Mr. Goldbach informed that OICA will organise a telco on 9 March 2020 involving the homework team leaders (Mr. Bauckhage, Mr. Langhammer, Mr. Ewald), as well as representatives from IMMA, CEMA and GTB, to start discussing the amendments to the installation Regulations associated to the simplification of device Regulations. OICA will report to SLR-38 the initial outcome of discussion.</p> <p>He added that the deletion of parking lamps (not just “side parking lamps” but “parking lamps” as such) would also be addressed by this small group.</p> <p>Regarding the deletion of the parking lamps, the SLR agreed to keep it on the agenda for future discussion, awaiting input from OICA or other parties. In general, the SLR observed that while the parking lamp function should be</p>	

<p>maintained for safety reasons, it should be considered if a dedicated parking lamp device is still necessary, or if the function can be delivered as a special status of a position lamp.</p> <p>- UN Regulation No. 148</p> <p>Mr. Bauckhage informed that document SLR-36-08/Rev.1 has been reviewed and improved, resulting in document SLR-37-14. He explained that all the agreed proposals for amendments have been included in this document, except for the amendments concerning the light sources which have not yet been implemented but noted in comments. All changes were marked with different colours on the first page and in the corresponding paragraph of the document.</p> <p>Mr. Schwenkschuster briefly presented document SLR-37-06, based on the Polish proposal GRE-82-10/Rev.1 and aimed at introducing the possibility to use lamps marked "D" for Daytime Running Lamps. The SLR approved the proposal without further modifications. It will be included in the new consolidated proposal for R148-01 (<i>see SLR-38-20</i>).</p> <p>Mr. Schwenkschuster introduced SLR-37-07 explaining that, at the present stage, the document is only an excerpt of the future proposal concerning the light source. This document is about the new Annex 8 “Testing procedures with respect to light sources” and, in particular, the timing table for testing the light sources.</p> <p>The SLR discussed on the activation time for stop and reversing lamps but eventually preferred to keep the “200 ms” still in square brackets and defer this decision to GRE. All the improvements made to the text during the session were collected in document SLR-37-07/Rev.1.</p> <p>An informal document of the complete draft R148 (including the draft Annex 8 in grey colour) will be sent to GRE-83 to show the latest status of work. Mr. Bauckhage offered to draft an accompanying presentation explaining the most important modifications done until now (<i>see SLR-38-19</i>).</p> <p>Subsequent to the GRE-83 endorsement of the light source proposal in R-149, Mr. Plathner will merge doc. SLR-35-05/Rev.1 and SLR-37-07/Rev.1 into one updated proposal in time for discussion at SLR-38 in May 2020.</p>	<p>SLR-37-14</p> <p>SLR-37-06</p> <p>SLR-37-07/Rev.1</p>
<p>- UN Regulation No. 149</p> <p>Mr. Puglisi informed that a more readable version of the R149 draft consolidation has been made available as document SLR-37-04. This document was produced by accepting all the agreed modifications and resolved comments indicated in doc. SLR-36-05/Rev.3. All the open questions were kept for further discussion in SLR.</p> <p>Mr. Langhammer introduced doc. SLR-37-08 explaining all the modifications made to Par. 6 “Conformity of production” and the associated photometric Tables. The SLR agreed to move the contents of SLR-37-08 into a revised version of the consolidated R149.</p> <p>The latest draft consolidated text of Regulation No. 149 was circulated after the meeting as SLR-37-04/Rev.1. This document reflected the latest status of discussion at the SLR-37. It included the input from SLR-37-08 (CoP photometric tables) and several other improvements agreed at SLR-37.</p>	<p>SLR-37-04</p> <p>SLR-37-08</p>

	<p>An informal document of the complete draft R149 will be sent to GRE-83 to show the latest status of work. A presentation explaining the most important modifications done until now will also be prepared.</p> <p>- UN Regulation No. 150</p> <p>Mr. Ewald informed that the latest draft consolidated document was still SLR-36-10/Rev.1. Nevertheless, he provided an update on the most recent work done by introducing documents SLR-37-09, 10, 11 and 12 regarding the Annexes on resistance to water penetration and weathering.</p> <p>Following an initial proposal drafted by Dr. Manz, discussion took place about “technology neutral” requirements, i.e. in this respect to be allowed to use different manufacturing methods and technologies to create the “same” retro-reflector (e.g. to be able to use sheeted material for retro-reflectors, which were traditionally plastic moulded types only).</p> <p>The discussion on R150 will resume at the SLR-38 on the basis of an updated text, provided by Mr. Ewald, that will reflect all the modifications agreed at SLR-36 (i.e. removal of the “104R” from Fig. A24-III and the “27R” from Fig. A24-V; only “5 mm” or “8 mm” as the only values for the minimum size of “a”) as well as some general editorial improvement (characters size, space, etc.). All Annexes will have to be renumbered and cross references verified. An informal document of the complete draft R150 will be sent to GRE-83 to show the latest status of work. A presentation explaining the most important modifications done until now will also be prepared (<i>see SLR-38-08</i>).</p> <p>The SLR furthermore agreed to organise in the coming weeks some WebEx meetings involving the homework team leaders (Mr. Bauckhage, Mr. Langhammer, Mr. Ewald) and the SLR officers (Mr. Loccufier, Mr. Lazarevic, Mr. Rovers, Mr. Puglisi) to finalise the above informal documents (i.e. draft text of Regulations + presentations) for GRE-83.</p>	<p>SLR-36-10/Rev.1 SLR-37-09 SLR-37-10 SLR-37-11 SLR-37-12</p>
<p>8.</p>	<p>Consequences, follow-up after light sources simplification</p> <p>Mr. Schlager briefly introduced document SLR-17-03 drawing the attention on the electronic light source control gear and on the need for its definition in UN Regulation No. 48. This item will stay on the agenda for the next meeting.</p>	<p>SLR-17-03</p>
<p>9.</p>	<p>Headlamp levelling</p> <p>- Revised SLR proposal for R48 - Detailed justifications for SLR proposal</p> <p>The SLR observed that the revised proposals to amend R48 concerning the Headlamp Levelling (subject originated by the IWG-VGL which became part of the SLR Stage 2/Step 1) is now available as official document GRE/2020/8. OICA was requested to provide SLR, in due time before GRE-83, detailed justifications for the Headlamp levelling proposal. OICA agreed and this will be sent by SLR as an informal document to GRE-83. Mr. Rovers thanked OICA for the kind cooperation and reiterated the importance of such document to have the package complete for GRE.</p>	<p>GRE/2020/8</p>
<p>10.</p>	<p>How to apply the “frozen” UN Regulations</p> <p>The SLR agreed to integrate the slide in doc. SLR-35-20/Rev.2 in the SLR presentation to GRE-83 with a direct question to all CPs for guidance on which option(s) is preferred.</p>	<p>SLR-35-20/Rev.2</p>

11.	<p>Proposal to introduce scientific notation in UN Regulations for light technical equipment</p> <p>Mr. Kooss introduced document SLR-37-02 providing a comprehensive explanation on the need to introduce the scientific notation of the photometric requirements in the device UN Regulations. He reported that the measurement uncertainty is a very important aspect in the lighting technology, but also in other sectors such as noise. To this end, it was noted that within GRBP a new IWG on “Measurement Uncertainties” has been established (see ToR in document GRBP-71-31/Rev.1).</p> <p>The SLR endorsed the use of scientific notation in the new device Regulations. GTB will produce a proposal for each of the new device Regulations for consideration at the SLR-38 in May 2020 (<i>see SLR-38-12, -13, -14, -15</i>).</p> <p>The SLR furthermore observed that a general editorial adjustment and alignment will be necessary (e.g. use letters instead of numbers for footnotes, always indicate 2 digits after the decimal point in all tables, etc.). The SLR presentation to GRE-83 will mention this as one of the general improvements.</p>	SLR-37-02
12.	<p>Deletion of side mounted Parking Lamps; Proposals to amend UN Regulations Nos. 148, 48 (Par. 6.12.3.) and 86 (Par. 6.11.)</p> <p>The item will be kept on the agenda (renamed to “<i>Deletion of parking lamps</i>”) for being addressed at a later SLR session (<i>see item 7 of this Report</i>).</p>	
13.	<p>Unique Identifier, status update</p> <p>Mr. Bauckhage introduced the latest version of the presentation on the Unique Identifier (doc. SLR-37-01). The SLR observed that all the agreed improvements to the previous presentation (doc. SLR-36-07) have been correctly reflected in the new version and endorsed this document.</p> <p>Mr. Loccufier will introduce SLR-37-01 at the AC.2 session in March 2020 to seek initial reactions. It will then be improved and presented at GRE-83.</p>	SLR-37-01
14.	<p>Any Other Business</p> <p>There was no other business for discussion.</p>	
15.	<p>Next meeting(s)</p> <p>The SLR agreed the following meeting schedule:</p> <ul style="list-style-type: none"> ➤ 38th SLR meeting – Brussels (BE), on 27-29 May 2020 (4 half-days) ➤ 39th SLR meeting – Brussels (BE), on 7-10 July 2020 (6 half-days) <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>	
16.	<p>Closure</p> <p>Mr. Rovers thanked all the participants for their participation and fruitful contribution, despite all the issues concerning the corona virus, and closed the meeting.</p>	

Participation at 37th SLR meeting 2-5 March 2020

IN PERSON	WEBEX/TELEPHONE
Mr. Davide PUGLISI (GTB, SLR Secretary)	Ms. Aurélie BERTHEL (OICA)
Mr. Derwin ROVERS (NL, acting chair)	Mr. Thomas GOLDBACH (OICA)
Mr. Thomas BAUCKHAGE (CLEPA)	Mr. Beny GRIGORESCU (GTB)
Mr. Jürgen EWALD (CLEPA) – 2-3 March only	Mr. Frédéric HAY (CLEPA)
Mr. Sebastian FAHR (OICA)	Mr. Dieter Kooß (DE)
Mr. Pere HERNANDEZ (IMMA)	Mr. Takahiro KOYAMA (JP)
Mr. Gert LANGHAMMER (CLEPA)	Mr. Karl MANZ (DE)
Mr. Jean-Marc PRIGENT (OICA)	Mr. Michael PERNKOPF (GTB)
Mr. Walter SCHLAGER (IEC) - 2-3 March only	Mr. Philipp PLATHNER (IEC)
Mr. Christophe TISSIER (CEMA) – 3-4 March only	Mr. Walter SCHLAGER (IEC) – 5 March
Mr. Wilfried VAN LAARHOVEN (NL) – 3-4 March only	Mr. Lukas SCHWENKSCHUSTER (GTB)
	Mr. Varun SHARMA (IMMA)

Apologies:

Mr. Antoine PAMART (FR)
 Mr. Tomasz TARGOSIŃSKI (PL)
 Mr. Geoff DRAPER (GTB)
 Mr. Rainer KRAUTSCHEID (DE)
 Mr. Phil BAILEY (UK)
 Mr. Gernot SAUTER (CLEPA)