

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

32nd meeting

3-5 September 2019

JASIC Meeting Room
7th Floor, Zennihon Truck Sogo Kaikan,
3-2-5 Yotsuya, Shinjuku-ku
Tokyo 160-0004, JAPAN

REPORT

		Documents
1.	Welcome and opening remarks Mr. Loccufier opened the meeting welcoming all the participants and thanking the host (JASIC) for arranging this meeting in Tokyo.	
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-32-04/Rev.1. Mr. Puglisi produced a running-order, with the aim to assist those participants joining via WebEx from different time zones. This was circulated as document SLR-32-17 and followed throughout the session.	SLR-32-04/Rev.1
4.	Approval of the reports of the previous sessions - Report 28 th meeting - Brussels, 25-27 February 2019 - Report 29 th meeting - Brussels, 27-29 March 2019 - Report 30 th meeting - Brussels, 22-24 May 2019 - Report 31 st meeting - Brussels, 3-5 July 2019 The reports were approved without changes.	SLR-28-19 SLR-29-10 SLR-30-23 SLR-31-15

	<p>Status of corrections to R53.01 and R53.02</p> <p>Mr. Hernandez informed that the proposals to correct UN Regulation No. 53 are now all on the WP.29 agenda for the November 2019 session. He explained that the proposal to correct the 01 series is available as document WP.29/2019/86, while the proposal to correct the 02 series is available as document WP.29/2019/85.</p> <p>Moreover Mr. Hernandez reported that the proposal for a new 03 series of amendments to R53 is available as document WP.29/2019/80. He added that a consolidated proposal, ensuring that the new 03 series of amendments contains the latest proposals adopted by GRE regarding the preceding series, was submitted by IMMA to GRE-82 as document GRE/2019/23.</p> <p>The SLR agreed with the suggestion by Mr. Rovers to IMMA to prepare an informal document for GRE-82 to easily identify all the documents taken into account for producing GRE/2019/23 (e.g. by using different colours, see SLR-31-10).</p>	
<p>6.</p> <p>7.</p>	<p>Light Source proposal concerning LSD and RID Regulations</p> <p>Mr. Schlager introduced document SLR-32-06 (Rev. of SLR-31-13) pointing out that it aimed at summarising the intended approach concerning Light Sources in Regulation No. 149.</p> <p>The SLR reviewed the whole document and made improvements to the slide No. 5 concerning the new Annex. Mr. Puglisi will polish the presentation to reflect all the agreed modifications and will post the updated document on the SLR website as SLR-32-06/Rev.1.</p> <p>Mr. Schlager also introduced document SLR-32-07 explaining the main changes made to the text of the Reg. 149 on the basis of the concept described in SLR-31-13. The SLR improved the text and provided guidance to Mr. Schlager on how to proceed.</p> <p>Mr. Schlager and Mr. Plathner will prepare and send to Mr. Puglisi by 15 September 2019 a revised proposal on the basis of the agreed amendments to document SLR-32-07. Mr. Puglisi will take this input into account for the preparation of the updated baseline for Reg. 149. The discussion will resume at the SLR-33 session in October 2019 based on the new consolidated text.</p>	<p>SLR-32-06</p> <p>SLR-32-07</p>
<p>8.</p>	<p>Stage 2 simplification of Reg. 148 (LSD) – SLR informal submission to GRE-82</p> <p>Mr. Bauckhage briefly introduced document SLR-32-01 explaining that it contains amendments purely editorial. Mr. Schwenkschuster proposed to merge the lines for Front and Rear position pair (MA, MR). The updated proposal was circulated as SLR-32-01/Rev.1 and agreed by the SLR.</p> <p>Mr. Hernandez pointed out that the WP.29 proposal WP.29/2019/81 contained a wrong value for the vertical visibility angle (15° instead of 10°). To explain what value shall be corrected in the proposal, he produced document SLR-32-20 which was unanimously supported by the SLR.</p> <p>It was observed that the text of Reg. 148 adopted by WP.29 in March 2019 (i.e. WP.29/2018/157) is correct. The wrong value for the vertical visibility angle in document WP.29/2019/81 was erroneously taken from the original proposal for Reg. 148 (i.e. GRE/2018/02) when document GRE/2018/33 was</p>	<p>SLR-32-01</p> <p>SLR-32-20</p>

	<p>submitted to GRE. Eventually this value was corrected prior to the approval by GRE at its 79th session (ECE/TRANS/WP.29/GRE/79, Annex IV). For this reason, the text adopted by WP.29 is correct.</p> <p>Mr. Puglisi will contact the GRE Secretariat for advice on the best way to proceed in order to make this correction without blocking the adoption of the whole proposal WP.29/2019/81 at the WP.29 session in November 2019.</p> <p>Mr. Bauckhage introduced document SLR-32-02 pointing out that the proposed rearrangement of Par. 5. is an editorial improvement of the current text without changing the contents of the existing provisions.</p> <p>Mr. Grigorescu proposed to amend the text in Par. 4.6.1.4. (c), (ii) and (iii) to read as follows:</p> <p>(ii) H=20° outwards to the outside of the vehicle, V= +5°</p> <p>(iii) H=10° inwards to the inside of the vehicle, V= 0°.</p> <p>The SLR approved the amendments in SLR-32-02, including the above proposal from Mr. Grigorescu. Mr. Puglisi will post on the SLR website the revised proposal as SLR-32-02/Rev.1, reflecting the agreed modifications.</p> <p>The amendments to Table 8, concerning the proposed increase of the maximum luminous intensities, will be moved to a separate document to be prepared, including justifications, by Mr. Bauckhage for SLR-33 (<i>now available as SLR-33-02</i>).</p> <p>Mr. Bauckhage furthermore volunteered to produce for SLR-33 a consolidated version of Reg. 148 (with and without visible modifications, like it has been done for Reg. 149, see SLR-31-05/Rev.1 & SLR-31-06/Rev.1), taking all the changes agreed at SLR-32 into account, as well as document SLR-26-01 (agreed at SLR-26). This document will also include the rearrangement of the CoP provisions (see SLR-32-21) and will become the updated baseline to be used for further amendments.</p> <p>Concerning Side Parking Lamps (see SLR-30-13), the SLR agreed in principle to delete such lamps. A final decision shall be taken at SLR-33 where OICA, IMMA and CEMA will be requested to be in a position to confirm (or not) such a decision. If SLR-33 will confirm its decision to delete Side Parking Lamps, a collective amendment shall be prepared for GRE-82 addressing Regulations Nos. 48, 53, 74, 86 and 148.</p>	SLR-32-02
9.	<p>Stage 2 simplification of Reg. 150 (RRD) – SLR informal submission to GRE-82</p> <p>Mr. Ewald, based on document SLR-32-05, explained the interim steps of the work done with the simplification of the RRD text regarding the merging of Par. 5.1. to 5.3. and Par. 5.4. to 5.8. as well as combining the tables for reflectors and for markings.</p> <p>Mr. Ewald will prepare for SLR-33 an updated “clean” version of Reg. 150 taking into account all the agreed amendments to the text. Consistency of terminology (e.g. “day time” vs. “daytime”, “degree” vs. “°”, etc.), paragraph numbering and cross references shall be checked. Blue wool test shall be deleted from Annex 22 and the figures in Annex 24 shall be updated.</p>	SLR-32-05
10.	<p>Stage 2 simplification – How to move forward with R-149 (RID) (<i>for information, see GRE-81-22, SLR-30-11, SLR-31-11, SLR-31-14</i>)</p>	

	<ul style="list-style-type: none"> - Polish response to SLR-31-11 - GTB presentation and proposal for a way forward - Polish revised performance based RID proposal (Rev. SLR-30-17) - Polish examples of results according to SLR-32-11 - GTB paper about what is meant by “Performance Based” <p>After a brief summary made by Mr. Puglisi on the whole issue, Mr. Targosinski introduced document SLR-32-08 pointing out the importance to define “what is performance”.</p> <p>Mr. Draper introduced document SLR-32-10 explaining that most of it was already presented at the SLR-31 session. He reported that there is no common definition for “performance based” and we shall be very realistic with what we require. There is a physical balance between visibility and glare that cannot be overcome by the existing technology.</p> <p>Mr. Targosinski, on the basis of documents SLR-32-11 and 12, introduced the draft Polish proposal for performance oriented photometric requirements. He informed that the proposal was based on the declared range and width of the light on the road.</p> <p>Mr. Grigorescu observed that it would be necessary to know the measurement method to apply the Polish proposal and added that the proposal seems to disregard the reality in the laboratory.</p> <p>Mr. Lazarevic commented that the visibility and glare should be improved without being afraid that most of the current production would not meet the new requirements. He made a parallel with emission regulations observing that when these were introduced, all vehicles would initially have failed. However, after some transition time for adaptation, the vehicles have significantly improved and are now performing much better than in the past.</p> <p>Mr. Grigorescu recalled that the first step for comparing the proposals is to consider the measurement method, otherwise it would not be possible to have any meaningful discussion.</p> <p>The SLR agreed on the need to have a comparison table and Mr. Grigorescu volunteered to produce it, indicating the measurement method currently used and what is proposed by GTB. Mr. Targosinski will fill in this table with the Polish proposal plus one extra column for the justification.</p> <p>Mr. Langhammer recommended to keep the current measurement method to maintain the process within a reasonable time.</p> <p>Mr. Draper commented that a radical approach would mean mandating ADB and auto-levelling. He recalled that the SLR task was to improve today’s technology and not forbidding it.</p> <p>The SLR reiterated its support to the approach presented by GTB at the 30th SLR session (doc. SLR-30-11) with the only exception of Mr. Targosinski (Poland). Mr. Grigorescu and Mr. Targosinski will work together to fill in, step by step, the comparison table for “RID Passing Beam measurement methods, tools and requirements” (doc. SLR-33-01). The updated table will be considered by SLR-33.</p>	<p>SLR-32-08</p> <p>SLR-32-10</p> <p>SLR-32-11</p> <p>SLR-32-12</p> <p>SLR-32-18</p>
11.	<p>Stage 2 simplification of Reg. 149 (RID) – SLR informal submission to GRE-82</p>	

<ul style="list-style-type: none"> - Front Fog and Cornering lamps (Par. 5.5 and 5.6) - Passing beams (Par. 5.2 and 5.3) - Symmetrical passing beam (Par. 5.4) - Driving beams (Par. 5.1) <p>Mr. Grigorescu introduced document SLR-32-13/Rev.1 explaining the GTB proposed amendments to the UN Regulation No. 149 concerning front fog and cornering lamps. The proposal was unanimously adopted by the SLR.</p> <p>Mr. Langhammer introduced document SLR-32-14 pointing out that the purpose of the proposal was to provide initial information concerning the work in progress within GTB with regards to the simplification of the passing beams. He explained the increased performance introduced with this document but clarified that it is not yet a final proposal.</p> <p>Mr. Targosinski suggested to consider the cut-off provisions only for proper aiming and not for light distribution during driving. He also proposed to allow any value more than the basic “C” passing beam, since the Class “C” is deemed to be sufficient.</p> <p>Mr. Bauckhage clarified that the Class “C” is the best compromise while the “V”, “E” and “W” passing beams, which are optional, are the best for the specific cases. Front fog lamps, cornering lamps and AFS are all examples of not mandatory “add-ons” which contribute to improve safety.</p> <p>Mr. Loccufier recalled that the SLR already expressed support for the approach proposed by GTB in the last SLR session and, in order to make progress and taking into account the limited time available to deliver a proposal for GRE, invited Mr. Targosinski to make concrete proposals to amend the text of the Regulation and to stop making comments of principle.</p> <p>Mr. Targosinski reiterated his position not in support of the proposal while all the other SLR members expressed general support for the approach outlined in document SLR-32-14.</p> <p>Mr. Hay and Mr. Koyama introduced document SLR-32-15 explaining the most important modifications and the open points. The SLR recommended, if possible, to remove precise references to paragraphs in order to avoid wrong references in case of future amendments.</p> <p>Mr. Blusseau introduced SLR-32-16 pointing out that a definition for “Auxiliary Driving Beam” should be added. He acknowledged the useful contribution provided by IMMA for Table 7 and for the whole proposal.</p> <p>At the end of a long debate on item 11, the SLR expressed general support for the amendments proposed in documents SLR-32-13/Rev.1, SLR-32-15 and SLR-32-16. SLR-32-14 was supported by all the participants except for Mr. Targosinski. Mr. Puglisi will produce for SLR-33 a consolidated version of R-149 (based on SLR-31-06/Rev.1), taking all these proposals into account and highlighting the open points (e.g. missing definition for “Auxiliary Driving Beam”). GTB shall provide for SLR-33 justifications for the proposed amendments. The goal is to present at the GRE-82 in October an informal RID text including all these draft amendments</p> <p>The SLR agreed in general to submit to GRE-82, if possible, only one consolidated proposal for each of the new Regulations rather than several individual proposals. The final check of the SLR submission to GRE-82 will</p>	<p>SLR-32-13/Rev.1</p> <p>SLR-32-14</p> <p>SLR-32-15</p> <p>SLR-32-16</p>
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	be done at SLR-33.	
12.	Amendments to R-48 in conjunction with R-149 (RID) Stage 2 This item was postponed to the next session.	
13.	Rearrangement of CoP requirements for R-148 (LSD) and R-150 (RRD) Mr. Bauckhage briefly introduced document SLR-32-21 pointing out the modifications proposed to Reg. 148 concerning the rearrangement of the CoP requirements. The SLR agreed to align the CoP requirements of R148 (LSD) with R149 (RID) on the basis of document SLR-32-21. The rearranged CoP requirements will be part of the LSD revised baseline. Concerning R150 (RRD), the discussion will resume at the next session on the basis of the input that will be provided by Mr. Ewald.	SLR-32-21
14.	Headlamp levelling; review GRE/2019/03 and solve the text in square brackets on the basis of the agreed “red box” (GRE-81-21) and taking into account SLR-31-03 This item was postponed to the next session where OICA is expected to make an updated proposal for consideration. Nevertheless, the SLR stressed the urgency of this item.	
15.	Unique Identifier; updated presentation on the basis of GRE-81-20 Mr. Bauckhage presented the updated presentation on the Unique Identifier (doc. SLR-32-03) pointing out the outcome of the last two WP.29 sessions (see slide 6). Mr. Lazarevic observed that, logically, the police and PTI should have access rights to DETA. The SLR shared the same view and unanimously expressed the hope that the access rights will be extended in the future. Mr. Rovers stated that some information is useful for end-user/consumer and for others, like law enforcement (Police, PTI). He also mentioned that in other cases, e.g. for Reg.44, it has been chosen not to allow use of the UI. All SLR members were invited to send their comments, especially to the “options for GRE” in slide 8, to Mr. Bauckhage and Mr. Grigorescu who will update doc. SLR-32-03. The revised UI presentation will be finalised at SLR-33 prior to submission to GRE-82.	SLR-32-03
16.	Updated list of potential candidate functions for GTRs This item was postponed to the next session.	SLR-31-02
17.	Input from CEMA, if any, on R149 (RID), R86 and other simplification related matters As no input was received from CEMA, this item was postponed to the next session.	
18.	Any Other Business - How to apply current regulations after issuance SLR stage 1 Mr. Koyama presented document SLR-32-19 with the purpose of receiving guidance on the correct interpretation for applying the “frozen” UN Regulations after the entry into force of the SLR Stage 1 amendments.	SLR-32-19

	<p>Mr. Puglisi will contact the GRE Secretariat to make sure the published version of the “frozen” UN Regulations will include the text of footnote 1 (i.e. “<i>Not requiring changes in the approval number (TRANS/WP.29/815, para. 82)</i>”) which was in the title of each proposal but not in the text of the proposed amendments. This would be the same approach adopted by WP.29 for a number of old headlamp Regulations (e.g. Regs 8 and 20, etc.) when these were consolidated in two then newly created Regulations (Regs. 112 and 113) and subsequently those old headlamp Regulations were frozen.</p> <p>- Questions on double approvals</p> <p>Mr. Rovers informed to have received a couple of questions for the SLR concerning double approvals. The questions, along with the SLR advice, are reproduced below:</p> <p>Q1: If a lamp product (with grouped signalling functions) is already type approved according to the current separate signalling UN Regulations, is it possible to type approve this same product under the new UN Regulation No. 148?</p> <p>A1: YES</p> <p>Q2: In case it would be possible, should the product double the E-marks, i.e. the E-markings of the “old separate regulations” <u>and</u> the E-mark of the new UN-R148?</p> <p>A2: It may be possible to mark the product using both, <u>or</u> only “old separate regulations”, <u>or</u> only “new UN-R148” (depending on usage/purpose).</p>	
19.	<p>Next meeting(s)</p> <p>The SLR agreed the following meeting schedule:</p> <ul style="list-style-type: none"> ➤ 33rd SLR meeting – Brussels (BE) on 9-11 October 2019 ➤ 34th SLR meeting – Brussels (BE) on 4-6 November 2019 ➤ 35th SLR meeting – Brussels (BE) on 11-13 December 2019 <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>	
20.	<p>Closure</p> <p>Mr. Loccufier thanked all the participants in person and those participating via WebEx (despite the time difference) for their fruitful contribution and closed the meeting. A special thanks was expressed on behalf of the whole informal working group (SLR) to the Japanese delegation for the hospitality and to Ms. Fujimoto for all her great assistance during the entire week.</p>	

TOKYO (JP)

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Attendee list

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