

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

63rd meeting

Brussels, 30 August - 1 September 2023

REPORT

		Documents
1.	Welcome and opening remarks The Chairman opened the meeting by welcoming all the participants. He extended a special welcome to the many new participants from China attending SLR, in most of the cases, for the first time.	
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-63-03/Rev.1.	SLR-63-03
4.	Approval of the reports of the previous sessions - Report 60 th meeting - Brussels (BE), 18-20 January 2023 - Report 61 st meeting - Brussels (BE), 22-24 March 2023 - Report 62 nd meeting - Brussels (BE), 26-28 June 2023 SLR approved the reports on the 60 th session without modifications. The approval of the remaining SLR reports was postponed to the next session.	SLR-60-09 SLR-61-10 SLR-62-16
5.	SLR submission to GRE-89 (for information only) - Correction to UN Regulation No. 48 - Clarification and correction to UN Regulations Nos. 148, 149 and 150 The participants took note of the SLR proposals submitted to GRE for discussion at the 89 th session in October 2023.	GRE/2023/13 GRE/2023/14, .../15, .../16
6.	UI and the “Summary document” - Outcome of GRE-88 (see ECE/TRANS/WP.29/GRE/88, paras 12 to 14) - Assessment of UN Regs under the purview of GRE with regards to UI - SLR table on UI marking (based on GRE-88-26 and SLR-61-06) Document SLR-62-04/Rev.1 has been reviewed and improved. SLR recalled that, since the UI is part of the Rev. 3 of the 1958 Agreement, it should not be justified why to allow the UI but rather why its use should be prohibited.	GRE-88-26 SLR-62-04/Rev.1

	<p>SLR agreed to prohibit the UI for light sources Regulations (namely Regs. 37, 99 and 128) while consensus could not be reached on Reg. 45.</p> <p>Regarding Regulation No. 65 the meeting agreed to maintain the possibility to use the UI but only with the additional markings indicated in paras. 4.4.1.3. and 4.4.1.4. in order not to cause problems during PTI, road side inspections, market surveillance and multistage approval.</p> <p>The expert from CITA stressed the importance of keeping the E-mark on the function and reiterated that, generally, they do not support the UI as it does not bring any benefits.</p> <p>SLR observed that the UI would make sense in case all the Regulations would use it, however having the possibility to use the UI only in a few UN Regulations would not be useful. Moreover, the sole replacement of the E-mark with the UI, keeping almost unchanged all the other markings would not bring the expected benefits.</p> <p>SLR-62-04/Rev.2 is the latest SLR recommendation of UI usage in lighting UN Regulations, reflecting the status as at the end of SLR-63. The document will be sent to GRE-89 as an informal document.</p>	
7.	<p>Stage 2 / Step 2 - Specific items or general topics for consideration</p> <p><i>Note from SLR-62: all SLR members (both CPs and NGOs) were reminded to study doc. SLR-52-03/Rev.9 and to provide input on contents of the specific items. The discussion will continue on the basis of the input from SLR members and, in particular, from those CPs/NGOs who proposed the various subjects.</i></p> <ul style="list-style-type: none"> - Grouping and prioritising of topics <p><u>For information and reference (Item 7.1 on the agenda):</u></p> <ul style="list-style-type: none"> - Dutch presentation on Apparent surface - SAE International presentation on “Effective Projected Luminous Lens Area” (EPLLA) - Dutch input on specific items: Apparent surface - Appearance of signal lamps (experimental study in 2011) - Apparent surface; Measurement approach - Dutch discussion document on Apparent Surface - Apparent surface and angles of geometric visibility in R48 - General review of Reg. 48 <p><u>New input for SLR-63 (Item 7.2 on the agenda):</u></p> <ul style="list-style-type: none"> - Overview on apparent surface - Baseline document for Stage 2 / Step 2 work on Reg. 48 - Apparent surface; oral input from GTB - IEC draft proposal, based on SLR-62-07/Rev.1, to address technological neutrality for light sources - CLEPA discussion paper about use of H-plane for installation limit - Discussion document, based on SLR-62-08, to improve visibility of direction indicators; input from Germany - OICA input for consideration - IMMA discussion document on potential improvements of the definitions in Regs. 53 and 74 - GTB proposal for R48; Addition of Annexes with summary tables 	<p>SLR-52-03/Rev.9</p> <p>SLR-54-08 SLR-54-14</p> <p>SLR-57-03 SLR-58-05 SLR-61-05 SLR-61-03 SLR-62-14 SLR-61-02/Rev.3</p> <p>SLR-63-02 SLR-63-01</p> <p>SLR-63-04</p> <p>SLR-62-09 SLR-63-06</p> <p>SLR-63-09 SLR-63-08</p> <p>SLR-63-07</p>

Document **SLR-52-03/Rev.9** has been reviewed and improved. SLR decided not to include to the list of items the proposal by CLEPA regarding the use of the H-plane for installation limit (doc. **SLR-62-09**).

The Chairman reported that the consistency of the structure of Par. 6 could be improved and added that, in the context of “consistency among similar requirements in installation regulations”, it would be useful to insert in Reg. 48 a provision - similar to the one in Par. 5.17. of Reg. 53 - to prohibit the installation of devices that are not allowed.

The expert from OICA commented that it would be reasonable to structure new regulations in a consistent way, but UN Regulation No. 48 is a well-established text, therefore the proposed work would require more efforts than pay-off.

The expert from CLEPA supported the idea to improve the structure of Par. 6 and offered to help. Interest was shown also to clarify the principle “prohibited if not allowed” in order to avoid discussions when customers ask where it is written that something is not allowed.

SLR Officers, with the assistance of Mr. Bauckhage, will draft a paper for SLR-64 to suggest how the structure of Paragraph 6 in Reg. 48 could be harmonised. In order to harmonise requirements among different installation Regulations, the SLR Officers will also draft a proposal for Reg. 48 to clarify that devices not allowed in the Regulation are prohibited (in line with Par. 5.17. of Reg. 53)

The expert from IMMA will prepare an updated document for SLR-64 (based on **SLR-63-08**) about potential improvements of the definitions in Regs. 53 and 74. The expert from CEMA supported the idea and said they would also consider looking at Reg. 86 to see which definitions need to be kept in both Regs. 86 and 48 and which can be kept only in Reg. 48.

SLR-63-01/Rev.1 is the latest baseline document for the Stage 2 / Step 2 work on Reg. 48, reflecting the status as at the end of SLR-63. It includes already the new Annexes 17 and 18 (see doc. **SLR-63-07**) and the “Check list” of editorial improvements, taken from **SLR-61-02/Rev.3**. The text of this document shall be used by SLR members to propose all the further SLR amendments to R48 during the Stage 2 / Step 2 (*Note: the SLR baseline document will reflect the 09 series amendments as soon as adopted by WP.29*).

Regarding the subject “apparent surface”, document **SLR-63-02** was withdrawn. GTB will produce a draft paper for consideration at SLR-64, based on the initial ideas presented by Dr. Kooss at SLR-62. OICA may also provide some input for consideration at SLR-64.

The expert from Germany introduced doc. **SLR-63-06** explaining the need to improve visibility of rearward facing direction indicators. The expert from IMMA observed that high luminance direction indicators perform well and, since no visibility issue has been reported, he would not be in favour to introduce new requirements on arrangements of DI.

The expert from Germany will draft a proposal for SLR-64, based on SLR-63-06 and taking into consideration the comments made at SLR-63.

	<p>On the subject “technological neutrality for light sources”, IEC will prepare, involving also OICA experts, a draft proposal for SLR-64 (based on SLR-63-04).</p> <p>SLR-52-03/Rev.10 is the latest consolidation of all topics for Stage 2 / Step 2, reflecting the status as at the end of SLR-63. A clean version of this document was circulated as SLR-64-01 and all SLR members (both CPs and NGOs) were reminded to study it and to provide input on contents of the specific items marked in green colour.</p> <p>The expert from OICA introduced a proposal for technical neutral failure provisions for Reg. 48 based on Reg. 149-01 (doc. SLR-63-09). This proposal, amending Par. 6.2.8.2. of Reg. 48, is intended to amend the failure tell-tale requirements more comprehensive and future-proof, covering all possible cases for light sources and light source modules, both current and future ones.</p> <p>SLR improved the proposal as reflected in SLR-63-09/Rev.1. All SLR members were invited to review this document and provide feedback, in particular on the justification, until 8 September 2023. The proposal will then be sent to GRE-89 as an informal document.</p>	
8.	<p>Topics for SLR draft status report and presentation for GRE-89</p> <p>The draft progress Report to GRE will be produced by the SLR Officers on the basis of the structure used already in the past. It will then be sent to GRE-89 as an informal document. As agreed during SLR-63, it will contain the following topics:</p> <ul style="list-style-type: none"> • General overview of formal and informal SLR submission • Technical neutral failure provisions for R48 based on R149-01 • SLR recommendation of UI usage in lighting UN Regulations • Consolidation of amendments for R48-09 series • Stage 2 / Step 2 	
9.	<p>SLR draft consolidation of the proposals for Reg. 48-09 (see <i>ECE/TRANS/WP.29/GRE/88, para 21</i>)</p> <p>GTB draft consolidation of the proposals adopted by GRE-88.</p> <p>The Secretary recalled that, at the 88th GRE session, GTB offered to prepare a consolidated text of the adopted proposals for the 09 series of amendments to UN Regulation No. 48. The GTB work resulted in document SLR-63-05.</p> <p>SLR thanked GTB for the consolidation work. The document was reviewed and improved as reflected in SLR-63-05/Rev.1. This document, reflecting the improvements agreed at SLR-63, will be sent to GRE-89 as an informal document for supporting the secretariat in the preparation of the final proposal for WP.29 in March 2024.</p>	SLR-63-05
10.	<p>Any Other Business</p> <p>Mr. Langhammer announced that he will soon retire and this will be his last SLR session. His successor, also as captain of the “Homework Team R-149”, will be Ms. Barton.</p>	

	<p>The Chairman, on behalf of all the SLR members, thanked Mr. Langhammer for the active participation and continuous support over the years, noting especially his precious contributions to Reg. 149. He wished him good luck in all his future endeavours and a long and happy retirement.</p>	
11.	<p>Next meeting(s)</p> <p>The SLR agreed the following meeting schedule:</p> <ul style="list-style-type: none"> ➤ 64th SLR meeting - Hybrid in Brussels, on 8-10 November 2023 ➤ 65th SLR meeting - Hybrid in Brussels, on 13-15 December 2023 * ➤ 66th SLR meeting - Hybrid in Brussels, on [7-9] February 2024 <p><i>* SLR-65 may start at 9:30 already from DAY#1. To be confirmed at SLR-64</i></p>	
12.	<p>Closure</p> <p>The Chairman thanked all the participants for their fruitful contributions and closed the meeting.</p>	

**Participation at 63rd SLR meeting
Brussels + WebEx, 30 August – 1 September 2023**

30 August 2023	31 August 2023	1 September 2023
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) *
Ms. Aurélie BERTHEL (OICA)	Mr. Thomas BAUCKHAGE (CLEPA) *	Mr. Thomas BAUCKHAGE (CLEPA) *
Mr. Weili BU (CN)	Ms. Aurélie BERTHEL (OICA)	Ms. Aurélie BERTHEL (OICA)
Mr. Jürgen EWALD (CLEPA) *	Mr. Weili BU (CN)	Mr. Weili BU (CN)
Mr. Eduard FERNÁNDEZ (CITA) *	Mr. Jürgen EWALD (CLEPA) *	Mr. Jürgen EWALD (CLEPA) *
Mr. Marc FISCHER (DE)	Mr. Sebastian FAHR (OICA)	Mr. Sebastian FAHR (OICA)
Ms. Kiyomi FUJIMOTO (JP)	Mr. Marc FISCHER (DE)	Mr. Eduard FERNÁNDEZ (CITA)
Mr. Valter GENONE (GTB)	Ms. Kiyomi FUJIMOTO (JP)	Ms. Kiyomi FUJIMOTO (JP)
Mr. Marcin GORZKOWSKI (SAE)	Mr. Valter GENONE (GTB)	Mr. Mark GRAINGER (OICA)
Mr. Beny GRIGORESCU (GTB)	Mr. Marcin GORZKOWSKI (SAE)	Mr. Beny GRIGORESCU (GTB)
Mr. Frédéric HAY (CLEPA)	Mr. Mark GRAINGER (OICA)	Mr. Frédéric HAY (CLEPA)
Mr. Pere HERNANDEZ (IMMA) *	Mr. Beny GRIGORESCU (GTB)	Mr. Zhun HANG (CN)
Mr. Timo KÄRKKÄINEN (FI)	Mr. Frédéric HAY (CLEPA)	Mr. Pere HERNANDEZ (IMMA) *
Mr. Gert LANGHAMMER (CLEPA) *	Mr. Zhun HANG (CN)	Ms. Lan LAI (CN)
Ms. Chunxia LIU (CN)	Mr. Pere HERNANDEZ (IMMA) *	Mr. Gert LANGHAMMER (CLEPA) *
Mr. Frederic MASSON (CLEPA)	Mr. Timo KÄRKKÄINEN (FI)	Mr. Frederic MASSON (CLEPA)
Mr. Kota NAKAHIRA (IMMA)	Ms. Lan LAI (CN)	Mr. Kota NAKAHIRA (IMMA)
Mr. Antoine PAMART (FR)	Mr. Gert LANGHAMMER (CLEPA) *	Mr. Antoine PAMART (FR)
Mr. Seian SATO (JP)	Mr. Frederic MASSON (CLEPA)	Mr. Seian SATO (JP)
Ms. Sara STRANDELL (SE)	Mr. Kota NAKAHIRA (IMMA)	Mr. Walter SCHLAGER (IEC)
Mr. Takashi SUGIURA (IMMA)	Ms. Maria del Mar PALACIOS (CLEPA)	Mr. Takashi SUGIURA (IMMA)
Ms. Yi XUAN (CN)	Mr. Antoine PAMART (FR)	Ms. Yi XUAN (CN)
Mr. Zhun ZHAO (CN)	Mr. Seian SATO (JP)	Ms. Tong ZHANG (CN)
Ms. Tong ZHANG (CN)	Mr. Walter SCHLAGER (IEC)	Mr. Zhun ZHAO (CN)
Ms. Caiping ZHU (CN)	Mr. Takashi SUGIURA (IMMA)	
	Mr. Christophe TISSIER (CEMA) *	
	Mr. Wilfried VAN LAARHOVEN (NL)	
	Ms. Yi XUAN (CN)	
	Ms. Tong ZHANG (CN)	
	Mr. Zhun ZHAO (CN)	
	Ms. Caiping ZHU (CN)	

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