

SLR special meeting on “Headlamp levelling”

WebEx on Friday, 18 June 2021
13:30 - 15:00 hrs (Central European Summer Time)

ALL DOCUMENTS ARE AVAILABLE HERE:
<https://wiki.unece.org/pages/viewpage.action?pageId=113345289>

DRAFT MINUTES

		Documents
1.	Welcome and opening remarks The chairman opened the meeting welcoming all the participants and providing an overview on the purpose of this special SLR session. A list of all participants is available in Annex 1.	
2.	Adoption of the agenda The agenda was adopted without modifications.	SLR-HL-15
3.	Outcome of GRE-84 The secretary briefly recalled the outcome of the 84 th GRE session on the basis of the official Report ECE/TRANS/WP.29/GRE/84 (Paragraphs 14. and 15.). The chairman pointed out that the discussion at this special SLR session shall focus on trying to find an agreed basis on how to move forward (<i>item 6 of the agenda</i>), which can then be formalised at the next special session on levelling. Only after unanimous agreement on how to proceed, SLR should be expected to continue to work on this issue. If such unanimous agreement (on how to proceed) cannot be reached, SLR will have to refer this issue back to GRE.	ECE/TRANS/WP.29/GRE/84 (Paragraphs 14. and 15.)
4.	SLR revised proposal to amend UN Regulation No. 48 This item was not discussed during the meeting. It was put on the agenda for reference purposes only.	GRE/2020/8/Rev.2
5.	Polish proposal to amend the initial downward inclination This item was not discussed during the meeting. It was put on the agenda for reference purposes only.	GRE-84-37
6.	How to move forward - <i>what is the basis of further work (diagram)?</i> - <i>revised or new proposal?</i> - <i>further investigations needed?</i>	

The chairman opened the debate recalling that, from the discussion at GRE-84, the core of the issue is about the aiming diagram.

The expert from UK reported that glare is a significant concern in the UK by the public and by the administration. One of the aims of the SLR proposal was to reduce the occurrence of glare. He reiterated the concerns expressed at the last meeting regarding the shift of the diagram to the left, which usually causes issues of glare.

The expert from UK explained that the general feeling is that, after years of debate, not much progress has been made and the shift of the diagram to the left might lead to more glare. The document SLR-HL-11 was briefly showed again to visualise - in red colour - the areas of the diagram which cause major concerns for the UK.

The expert from Germany shared the concerns expressed by UK and observed that eventually the proposal shall bring an improvement to the current situation.

The expert from Poland pointed out that there are several factors influencing the glare and the type approval can only address part of the problem. It would be important to define which factors are mostly influencing the final result and then assess whether or not they are within the range of GRE.

The secretary collected some of the factors influencing glare that were mentioned during the meeting in a table showed on the screen. A copy of such a table is provided below:

<i>We can address</i>	<i>We can NOT address</i>
Aiming diagram	Road geometry
Initial aim	Illegal bulbs
Auto-levelling	Road illumination (street lighting)
Installation height of headlamps	Wrong installation

The expert from OICA commented that glare will not disappear by amending UN Regulation No. 48. There is a need to find a balance between the theoretical research and the requirements to be fulfilled by millions of vehicles in the world. The solution shall be feasible and affordable.

At the invitation of the chairman, the expert from GTB expressed some personal views on the factors which, in his opinion, could influence glare such as the installation height of the headlamps, the size of the headlamps and the fact that the automatic levelling, to be really effective, should be dynamic in order to be constantly adapted to the road conditions. He also observed that the new aiming diagram in the SLR proposal (GRE/2020/8/Rev.2) includes already the CoP tolerances, therefore there is no difference from the current diagram in UN Regulation No. 48.

The expert from SAE informed about two SAE Technical Reports on headlamp mounting height: J2338 for heavy duty vehicles and J2584 for light duty vehicles. He will try to obtain the permission from SAE to share such documents within GRE.

The expert from Japan recommended to stick to the revised diagram as it was agreed at the 81st GRE session. He observed that there is no relaxation from the existing requirements and suggested SLR not to prolong this discussion as it would only delay this amendment.

	<p>The chairman explained that, even though the diagram was agreed at GRE-81 (with Germany and Poland making study reservations), the situation has in the meantime evolved and the compromise agreed at GRE-81 has to be reconsidered in order to move forward.</p> <p>It was agreed to resume the discussion at the next session and to find unanimous agreement on the way forward. All CPs having expressed concerns were invited to provide concrete proposals (e.g. to amend the text of the existing proposal, GRE/2020/8/Rev.2).</p>	
7.	<p>Any Other Business</p> <p>No other business was discussed.</p>	
8.	<p>Next meetings</p> <p>The next SLR special sessions on "Headlamp levelling" will be held via WebEx, on 20 July 2021, from 9:30 to 11:00 hrs (CEST).</p>	
9.	<p>Closure</p> <p>The chairman thanked all the participants for their fruitful contribution and closed the meeting.</p>	

Annex 1 to SLR-HL-16

SLR special meeting on “Headlamp levelling” WebEx, 18 June 2021

List of participants

1. Mr. Derwin ROVERS (NL, SLR Chairman)
2. Mr. Davide PUGLISI (GTB, SLR Secretary)
3. Mr. Yoshiro AOKI (JP)
4. Mr. Phil BAILEY (UK)
5. Mr. Thomas BAUCKHAGE (CLEPA)
6. Ms. Aurélie BERTHEL (OICA)
7. Mr. Sebastian FAHR (OICA)
8. Ms. Kiyomi FUJIMOTO (JP)
9. Mr. Manabu FUSHIMI (JP)
10. Mr. Valter GENONE (GTB)
11. Mr. Thomas GOLDBACH (OICA)
12. Mr. Marcin GORZKOWSKI (SAE)
13. Mr. Mark GRAINGER (OICA)
14. Mr. Beny GRIGORESCU (GTB)
15. Mr. Frédéric HAY (CLEPA)
16. Ms. Yoko KATO (JP)
17. Mr. Dieter KOOß (DE)
18. Mr. Takahiro KOYAMA (JP)
19. Mr. Rainer KRAUTSCHEID (DE)
20. Mr. Gert LANGHAMMER (CLEPA)
21. Mr. Jean-Marc PRIGENT (OICA)
22. Mr. Tomasz TARGOSIŃSKI (PL)
23. Mr. Seiya TATSUNO (JP)