


**Economic Commission for Europe**
**Inland Transport Committee**
**World Forum for Harmonization of Vehicle Regulations**
**Working Party on Lighting and Light-Signalling**
**Eighty-third session**

Geneva, 19-23 October 2020

**Chair's notes on the Working Party on Lighting and Light-Signalling meeting in lieu of its eighty-third session\***
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\* The present document was not edited before being sent to the United Nations translation services.



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## **I. Attendance**

1. The Working Party on Lighting and Light-Signalling (GRE) met from 19 to 23 October 2020 online and without interpretation (informal meeting in lieu of its eighty-third session), hosted from Geneva. The meeting was chaired by Mr. D. Rovers (Netherlands). Experts from the following countries participated in the work according to Rule 1 (a) of the Rules of Procedure of the World Forum for Harmonization of Vehicle Regulations (WP.29) (TRANS/WP.29/690, ECE/TRANS/WP.29/690/Amends. 1 and 2): Canada, China, Czechia, Cyprus, Finland, France, Germany, Hungary, India, Italy, Japan, Latvia, Netherlands, Poland, Republic of Korea, Russian Federation, San Marino, Serbia, Spain, United Kingdom of Great Britain and Northern Ireland. An expert from the European Commission (EC) participated. Experts from the following non-governmental organizations also took part in the session: ), European Agricultural Machinery Organization (CEMA), International Motor Vehicle Inspection Committee (CITA), European Association of Automotive Suppliers (CLEPA), International Automotive Lighting and Light Signalling Expert Group (GTB), International Electrotechnical Commission (IEC), International Motorcycle Manufacturers Association (IMMA), International Organization of Motor Vehicle Manufacturers (OICA), Society of Automotive Engineers (SAE).

## **II. Adoption of the agenda (agenda item 1)**

*Documentation:* ECE/TRANS/WP.29/GRE/2020/1/Rev.1, Informal documents GRE-83-01, GRE-83-18, GRE-83-39, GRE-83-54

2. GRE considered and adopted the agenda (ECE/TRANS/WP.29/GRE/2020/1/Rev.1), as reproduced in GRE-83-01 together with the informal documents distributed during the session, subject to the addition of a new item 4 (e) "Simplification of UN Regulations Nos. 48, 53, 74 and 86". GRE also noted the running order proposed by the Chair (GRE-83-18), the virtual meeting participation guidelines (GRE-83-39) and the envisaged way of proceedings (GRE-83-54).

3. The list of informal documents is contained in Annex I to this report. The list of GRE informal groups is reproduced in Annex III to this report.

## **III. 1998 Agreement – UN Global Technical Regulations: Development (agenda item 2)**

4. The item was postponed to the next session.

## **IV. 1997 Agreement – Rules: Development (agenda item 3)**

5. The item was postponed to the next session.

## **V. Simplification of lighting and light-signalling UN Regulations (agenda item 4)**

### **A. Activities of the Informal Working Group "Simplification of the Lighting and Light-Signalling Regulations"**

*Documentation:* Informal documents GRE-83-08 and GRE-83-47

6. GRE took note of the progress report of the Informal Working Group Simplification of the Lighting and Light-Signalling Regulations" (IWG SLR) (GRE-83-47). GRE agreed that IWG SLR would be chaired by Mr. Derwin Rovers (Netherlands).

7. GRE provided the following guidance to IWG SLR:

- GRE supported the proposed scientific notation for numbers (GRE-83-08);
- For the use of the Unique Identifier (UI), GRE agreed with the IWG SLR proposal to include new information in the electronic Database for the Exchange of Type Approval documentation (DETA) and to provide access to this information to new categories of stakeholders. GRE mandated IWG SLR to bring the proposal to IWG DETA for consideration by means of a presentation;
- GRE supported the IWG SLR view on the use of type approval numbers and approval markings for the frozen UN Regulations, i.e. either apply an old number/old marking combination or a new number/new marking combination.

## **B. UN Regulation No. 148 (Light-signalling devices)**

*Documentation:* ECE/TRANS/WP.29/GRE/2020/9/Rev.1, Informal documents GRE-83-09 and GRE-83-10

8. The expert from IWG SLR presented amendment proposals which aimed to insert missing text and to correct errors inadvertently introduced in UN Regulation No. 148 (ECE/TRANS/WP.29/GRE/2020/9/Rev.1). GRE adopted the proposals and requested the secretariat to submit it for consideration and vote at the March 2021 sessions of WP.29 and the Administrative Committee of the 1958 Agreement (AC.1) as draft Supplement 3 to the original series of amendments to UN Regulation No. 148.

9. GRE took note of draft modifications to UN Regulation No. 148 that were being developed by IWG SLR under stage 2 of simplification (GRE-83-09 and GRE-83-10).

## **C. UN Regulation No. 149 (Road illumination devices)**

*Documentation:* ECE/TRANS/WP.29/GRE/2020/10/Rev.1, Informal documents GRE-83-07, GRE-83-24, GRE-83-25, GRE-83-37 and GRE-83-43

10. The expert from IWG SLR proposed correcting a figure with the passing beam test points and zones in UN Regulations Nos. 113 and 149 (GRE-83-07). GRE adopted the proposal and requested the secretariat to submit it for consideration and vote at the March 2021 sessions of WP.29 and AC.1 as draft Supplement 7 to the 01 series of amendments, draft Supplement 1 to the 02 series of amendments, draft Supplement 2 to the 03 series of amendments to UN Regulation No. 113 and as draft Supplement 3 to the original series of amendments to UN Regulation No. 149.

11. The experts from IWG SLR and OICA presented other draft amendments that aimed to correct errors inadvertently introduced in UN Regulation No. 149 (ECE/TRANS/WP.29/GRE/2020/10/Rev.1 and GRE-83-37, respectively). GRE adopted these proposals and requested the secretariat to submit them for consideration and vote at the March 2021 sessions of WP.29 and AC.1 as part of draft Supplement 3 to the original series of amendments to UN Regulation No. 149.

12. The expert from IWG SLR presented draft modifications to UN Regulation No.149 that would be finalized under stage 2 of the simplification process (GRE-83-24 and GRE-83-25). The expert from Poland expressed concerns about the photometric requirements envisaged by IWG SLR (GRE-83-43).

## **D. UN Regulation No. 150 (Retro-reflective devices)**

*Documentation:* ECE/TRANS/WP.29/GRE/2020/12/Rev.1, Informal documents GRE-83-17, GRE-83-26 and GRE-83-27

13. The expert from IWG SLR proposed a correction to Annex 24 (ECE/TRANS/WP.29/GRE/2020/12/Rev.1) as well as re-aligning with the frozen UN Regulations Nos. 3, 27, 69, 70 and 104 (GRE-83-17). GRE adopted both proposals and requested the secretariat to submit them for consideration and vote at the March 2021 sessions

of WP.29 and AC.1 as draft Supplement 3 to the original series of amendments to UN Regulation No. 150.

14. GRE took note of draft modifications to UN Regulation No. 150 that were being developed by IWG SLR under stage 2 of simplification (GRE-83-26 and GRE-83-27).

## **E. Simplification of UN Regulations Nos. 48, 53, 74 and 86**

*Documentation:* Informal documents GRE-83-19, GRE-83-20, GRE-83-21 and GRE-83-28

15. GRE noted IWG SLR proposals for further simplification of UN Regulations Nos. 48, 53, 74 and 86 (GRE-83-19, GRE-83-20, GRE-83-21 and GRE-83-28) and invited GRE experts to provide comments to IWG SLR before the next session.

## **VI. UN Regulation Nos. 37 (Filament lamps), 99 (Gas discharge light sources), 128 (Light emitting diodes light sources) and the Consolidated Resolution on the common specification of light source categories (agenda item 5)**

*Documentation:* ECE/TRANS/WP.29/GRE/2019/19, ECE/TRANS/WP.29/GRE/2020/6, ECE/TRANS/WP.29/GRE/2020/15, ECE/TRANS/WP.29/GRE/2020/16, ECE/TRANS/WP.29/GRE/2020/17, ECE/TRANS/WP.29/GRE/2020/22, Informal documents GRE-82-03, GRE-83-05, GRE-83-11, GRE-83-12, GRE-83-13, GRE-83-14, GRE-83-15, GRE-83-16, GRE-83-38 and GRE-83-48

16. GRE took note of the progress report of the Task Force on Substitutes and Retrofits (TF SR) (GRE-83-48).

17. The expert from TF SR submitted a draft amendment to the Consolidated Resolution on the common specification of light source categories (R.E.5) which introduced a new Light Emitting Diode (LED) substitute light source category H11/LED/6 for road illumination applications (ECE/TRANS/WP.29/GRE/2020/6). GRE adopted this proposal and requested the secretariat to submit it to the March 2021 session of WP.29. GRE also noted the equivalence criteria as amended for light sources used in road illumination applications (GRE-82-03) and requested the secretariat to publish them as a reference document on the GRE website.

18. The expert from TF SR presented a set of proposals for amendments to UN Regulations Nos. 37 and 128 as well as to R.E.5 which introduced LED replacement light sources into UN Regulation No. 37 (ECE/TRANS/WP.29/GRE/2020/15, ECE/TRANS/WP.29/GRE/2020/16, ECE/TRANS/WP.29/GRE/2020/17, GRE-83-05, GRE-83-11, GRE-83-12, GRE-83-13, GRE-83-14, GRE-83-15, GRE-83-16). The expert from OICA commented on these proposals GRE-83-38. The expert from France expressed concerns. GRE re-confirmed the approach chosen by TF SR and decided to revert to the package at the next session. Meanwhile, GRE requested TF SR to liaise with the expert from France with the aim to take into consideration his concerns.

19. The expert of GTB introduced proposals for amendments to R.E.5 ECE/TRANS/WP.29/GRE/2020/22. GRE adopted the proposals and requested the secretariat to submit them to the March 2021 session of WP.29.

20. GRE recalled that, at its previous session, it had adopted the requirements for LED substitute light sources for UN Regulation No. 149 (ECE/TRANS/WP.29/GRE/2019/19), but had postponed their submission to WP.29 and AC.1 with the intention to include them in the future 01 series of amendments to UN Regulation No. 149.

## VII. UN Regulation No. 48 (Installation of lighting and light-signalling devices) (agenda item 6)

### A. Proposals for amendments to the 05 and 06 series of amendments

*Documentation:* ECE/TRANS/WP.29/GRE/2020/2, ECE/TRANS/WP.29/GRE/2020/3, ECE/TRANS/WP.29/GRE/2020/4, ECE/TRANS/WP.29/GRE/2020/5, ECE/TRANS/WP.29/GRE/2020/24, Informal documents GRE-83-06, GRE-83-22, GRE-83-23, GRE-83-29, GRE-83-30, GRE-83-33, GRE-83-34, GRE-83-36, GRE-83-40, GRE-83-42, GRE-83-44, GRE-83-46, GRE-83-49, GRE-83-50 and GRE-83-52

21. The expert from Poland proposed adding a reference to the installation parameters of the licence plate illumination lamps (ECE/TRANS/WP.29/GRE/2020/2). The expert from OICA commented on the proposal (GRE-83-44). GRE adopted the proposal unamended and requested the secretariat to submit it for consideration and vote at the March 2021 sessions of WP.29 and AC.1 as draft Supplement 14 to the 06 series of amendments and draft Supplement 1 to the 07 series of amendments to UN Regulation No. 48.

22. The expert from the Russian Federation tabled a proposal that clarified the height requirements for the installation of the dipped-beam headlamp, reversing lamp and rear fog lamp for vehicles of category G designed for off-road use (ECE/TRANS/WP.29/GRE/2020/3). GRE adopted the proposal, as amended by GRE-83-52, and requested the secretariat to submit it for consideration and vote at the March 2021 sessions of WP.29 and AC.1 as draft Supplement 19 to the 04 series of amendments, draft Supplement 14 to the 05 series of amendments, draft Supplement 14 to the 06 series of amendments and draft Supplement 1 to the 07 series of amendments to UN Regulation No. 48.

23. The expert of GTB tabled a proposal which allowed for projection of driver assistance symbols on the road ahead of the vehicle, as part of the adaptive driving beam (ADB). This proposal was submitted in a package with an amendment to UN Regulation No. 149 (ECE/TRANS/WP.29/GRE/2020/4 and GRE-83-30). The expert from OICA presented supporting material for the proposal (GRE-83-33 and GRE-83-34), while the experts from Japan expressed concerns identified in the course of their own study (GRE-83-49). Other experts also expressed various views and concerns, such as the need for possible restrictions and standardization of the projected symbols, and that distraction must be avoided. Based on the comments received and pending further studies on the issue, GRE requested GTB to submit a revised document to the next session and invited all interested parties to contribute. Meanwhile, GRE asked the expert from Finland to liaise with the Working Party on General Safety Provisions (GRSG) which had established a Task Force on Field of Vision Assistant.

24. The experts from France and Germany introduced a revised proposal for amendments to UN Regulations Nos. 48 and 148 that regulates the use of manufacturer logos inside the illuminant surface of a lamp (ECE/TRANS/WP.29/GRE/2020/5 and GRE-83-50). The experts from the Russian Federation and OICA commented on the proposal (GRE-83-36 and GRE-83-46). Taking into account concerns expressed by the experts from EC and the Russian Federation, GRE invited the authors to liaise with those experts and to prepare an updated text for the next session. In the interim, GRE reiterated its request to type approval authorities to refrain from granting type approvals to lamps with such logos.

25. The expert from IWG SLR proposed several corrections (ECE/TRANS/WP.29/GRE/2020/24 and GRE-83-06). GRE adopted these proposals and requested the secretariat to submit them for consideration and vote at the March 2021 sessions of WP.29 and AC.1 as draft Supplement 14 to the 06 series of amendments and draft Supplement 1 to the 07 series of amendments to UN Regulation No. 48.

26. The expert of IWG SLR introduced draft amendments to references in UN Regulation No. 48, anticipating the future 01 series of amendments to UN Regulation No. 149 (GRE-83-22 and GRE-83-23).

27. GRE took note of GRE-83-29 and GRE-83-42 and requested their submission as official documents to the next session. GRE also took note that an updated proposal for the sun load impact would be submitted to the next session (GRE-83-40).

## **B. Proposals for new series of amendments to UN Regulation No. 48**

*Documentation:* ECE/TRANS/WP.29/GRE/81,  
ECE/TRANS/WP.29/GRE/2020/8/Rev.1,  
ECE/TRANS/WP.29/GRE/2020/14,  
ECE/TRANS/WP.29/GRE/2020/23, Informal documents GRE-83-03  
and Add.1, GRE-83-41, GRE-83-31, GRE-83-32 and GRE-83-45

28. The experts from Germany briefed GRE on the outcome of a study on dynamic levelling devices to prevent headlamp glare (GRE-83-03 and Add.1).

29. Based on a proposal of IWG SLR, GRE continued its deliberations for preparing a new series of amendments to UN Regulation No. 48 with new requirements for headlamp aiming and automatic levelling (ECE/TRANS/WP.29/GRE/2020/8/Rev.1). The expert from Poland held the view that the justification part contained mistakes and inconsistencies and recalled his earlier proposals on the subject (GRE-83-41). Several experts expressed their support to the IWG SLR proposal.

30. The expert from OICA proposed to keep an option of manual levelling (ECE/TRANS/WP.29/GRE/2020/23 and GRE-83-31). Some experts supported this option, while others were not in favour.

31. In the absence of a consensus, GRE stressed the need to finalize the issue as soon as possible and requested IWG SLR to take into account the comments made and to prepare a revised working document for the next session, based on the following principles:

- the aiming diagram agreed at the eighty-first session of GRE (Annex II to ECE/TRANS/WP.29/GRE/81);
- automatic levelling;
- manual levelling, only if a consensus is reached within IWG SLR.

32. The expert from Poland did not agree to that conclusion.

33. GRE instructed IWG SLR to organize a separate meeting on this issue and encouraged all experts of Contracting Parties to participate.

34. The expert from the Special Interest Group (SIG) presented a proposal for another new draft series of amendments to UN Regulation No. 48 concerning switching conditions of various lamps and the variable intensity of rear lamps in conjunction with traffic conditions (ECE/TRANS/WP.29/GRE/2020/14). The expert from OICA proposed further modifications (GRE-83-32). Following an in-depth discussion, GRE invited SIG to take into account various comments and to submit a revised document to the next session.

35. GRE noted GRE-83-45 submitted by the experts from Japan and invited them to submit an official document to the next session. In the interim, the Chair suggested that IWG SLR should also consider this proposal.

## **VIII. Other UN Regulations (agenda item 7)**

### **A. UN Regulation No. 53 (Installation of lighting and light-signalling devices for L<sub>3</sub> vehicles)**

*Documentation:* ECE/TRANS/WP.29/GRE/2020/13/Rev.1,  
ECE/TRANS/WP.29/GRE/2020/19, Informal document GRE-83-51

36. The expert from IMMA introduced a proposal that allowed the installation of adaptive driving beam (ADB) on vehicles of category L<sub>3</sub> (ECE/TRANS/WP.29/GRE/2020/13/Rev.1,

as amended by GRE-83-51). This proposal was submitted in a package with amendment proposals to UN Regulation No. 149. GRE adopted these proposals as draft Supplements to the 01, 02 and 03 series of amendments to UN Regulation No. 53 and to the original series of amendments to UN Regulation No. 149. GRE agreed to postpone their submission to WP.29 and AC.1 pending the future 01 series of amendments to UN Regulation No. 149.

37. GRE considered a proposal by the expert from IWG SLR that corrected references to definitions in the body of UN Regulation No. 53 (ECE/TRANS/WP.29/GRE/2020/19). GRE adopted the proposal and requested the secretariat to submit it for consideration and vote at the March 2021 sessions of WP.29 and AC.1 as draft Supplement 4 to the 02 series of amendments and draft Supplement 1 to the 03 series of amendments to UN Regulation No. 53.

## **B. UN Regulation No. 65 (Special warning lamps)**

*Documentation:* ECE/TRANS/WP.29/GRE/2019/17,  
ECE/TRANS/WP.29/GRE/2020/18

38. The expert from GTB submitted an amendment proposal with the aim to clarify the definition of the "on" time for a group of flashes as well as to correct editorial errors (ECE/TRANS/WP.29/GRE/2020/18). GRE adopted this proposal and requested the secretariat to submit it for consideration and vote at the March 2021 sessions of WP.29 and AC.1 as draft Supplement 11 to the original series of amendments to UN Regulation No. 65.

39. GRE also recalled that, at its previous session, it had adopted the corrections proposed by GTB (ECE/TRANS/WP.29/GRE/2019/17) but had postponed their submission to WP.29 and AC.1, in order to combine them with the results of the discussion reflected in the previous paragraph.

## **C. UN Regulation No. 86 (Installation of lighting and light-signalling devices for agricultural vehicles)**

*Documentation:* ECE/TRANS/WP.29/GRE/2020/7,  
ECE/TRANS/WP.29/GRE/2020/21

40. The experts from CEMA introduced a proposal that improves lateral lighting on agricultural vehicles, which are longer than 4.6 m, and takes into account asymmetric vehicles designs (ECE/TRANS/WP.29/GRE/2020/7). GRE generally supported the proposal but invited CEMA to re-submit it in the form of a new series of amendments to UN Regulation No. 86 for consideration at the next session.

41. The expert from IWG SLR proposed inserting references to the three new simplified UN Regulations Nos. 148, 149 and 150 as well as some corrections (ECE/TRANS/WP.29/GRE/2020/21). GRE adopted the proposal and requested the secretariat to submit it for consideration and vote at the March 2021 sessions of WP.29 and AC.1 as draft Supplement 3 to the 01 series of amendments to UN Regulation No. 86.

## **D. UN Regulations Nos. 98 (Headlamps with gas-discharge light sources) and 123 (Adaptive front lighting systems)**

*Documentation:* ECE/TRANS/WP.29/GRE/2020/11/Rev.1

42. GRE considered and adopted a proposal for corrections submitted by IWG SLR (ECE/TRANS/WP.29/GRE/2020/11/Rev.1). The secretariat was requested to submit it for consideration and vote at the March 2021 sessions of WP.29 and AC.1 as draft Supplement 10 to the 01 series of amendments and draft Supplement 2 to the 02 series of amendments to UN Regulation No. 98 as well as draft Supplement 10 to the 01 series of amendments and draft Supplement 2 to the 02 series of amendments to UN Regulation No. 123.



**E. UN Regulation Nos. 74 (Installation of lighting and light-signalling devices for mopeds)**

*Documentation:* ECE/TRANS/WP.29/GRE/2020/20

43. GRE considered and adopted a proposal for amendments submitted by IWG SLR with the aim to correct the installation provisions for the passing and driving beams (ECE/TRANS/WP.29/GRE/2020/20). The secretariat was requested to submit it for consideration and vote at the March 2021 sessions of WP.29 and AC.1 as draft Supplement 13 to the 01 series of amendments and draft Supplement 1 to the 02 series of amendments to UN Regulation No. 74.

**IX. Other business (agenda item 8)****A. Development of the International Whole Vehicle Type Approval**

*Documentation:* Informal document GRE-83-02

44. GRE was informed about the progress of the electronic Database for the Exchange of Type Approval documentation (DETA) (GRE-83-02).

**B. Amendments to the Convention on Road Traffic (Vienna, 1968)**

45. The item was postponed to the next session.

**C. Decade of action for road safety 2011–2020**

46. The item was postponed to the next session.

**D. Obsolete transitional provisions**

*Documentation:* Informal document GRE-80-06

47. GRE decided to address this issue at the next session.

**X. New business and late submissions (agenda item 9)**

*Documentation:* Informal document GRE-83-53

48. Based on GRE-83-53, GRE adopted a list of main decisions (Annex II) in accordance with silence procedure.

**XI. Direction of future work of GRE (agenda item 10)**

*Documentation:* GRE-83-04 and Rev.1, GRE-83-04-Add.1 and Rev.1

49. GRE noted several past revisions of the list of priorities and recurrent items prepared by the Chair (GRE-83-04 and Rev.1, GRE-83-04-Add.1). GRE endorsed an updated list of priorities (GRE-83-04-Add.1-Rev.1).

**XII. Provisional agenda for the next session (agenda item 11)**

50. GRE noted that the next session had been scheduled for the week from 26 to 30 April 2021 and that the deadline for submission of working documents would be on 29 January 2021. GRE agreed to keep the same structure of the provisional agenda and to group all IWG SLR proposals under agenda item 4.

### **XIII. Election of officers (agenda item 12)**

51. In compliance with Rule 37 of the Rules of Procedure (TRANS/WP.29/690 and ECE/TRANS/WP.29/690/Amend.1), GRE elected unanimously Mr. Timo Kärkkäinen (Finland) as Chair and Mr. D. Rovers (Netherlands) as Vice-Chair for the sessions of GRE scheduled in the year 2021. GRE paid tribute to Mr. Michel Loccufier (Belgium) who had chaired GRE in 2015-2020.

## Annex I

### List of informal documents issued in connection with the session

Informal documents GRE-83-...

<i>No.</i>	<i>(Author) Title</i>	<i>Follow-up</i>
1	(secretariat) - Updated provisional agenda for the eighty-third session of GRE	a
2	(IWG DETA) - Status of DETA	f
3	(Germany) - Requirements for dynamic levelling devices to prevent headlamp glare blinding oncoming road users	d
3-Add.1	(Germany) - Requirements for dynamic levelling devices to prevent headlamp glare blinding oncoming road users (presentation)	d
4	(Chair) - GRE priorities and recurrent items	a
4-Rev.1	(Chair) - GRE priorities and recurrent items (revised)	a
4-Add.1	(Chair) - GRE priorities	a
4-Add.1- Rev.1	(Chair) - GRE priorities (revised)	a
5	(TF SR) - Study on LED replacement light sources introduction into UN Regulation No. 37	d
6	(IWG SLR) - Proposal for a Supplement to UN Regulation No.48	a
7	(IWG SLR) - Proposal for corrections to UN Regulations Nos. 113 and 149	a
8	(IWG SLR) - Scientific notation	a
9	(IWG SLR) - Draft consolidated proposal for amendments to UN Regulation No. 148	d
10	(IWG SLR) - Presentation of GRE-83-09	d
11	(TF SR) - Proposal for modification of ECE/TRANS/WP.29/GRE/2020/15	d
12	Study on LED replacement light sources introduction into UN Regulation No. 37	d
13	(TF SR) - Proposal for modification of ECE/TRANS/WP.29/GRE/2020/16	d
14	(TF SR) - Supporting information for ECE/TRANS/WP.29/GRE/2020/15, GRE-83-11, GRE-83-12 and GRE-83-13	d
15	(TF SR) - Equivalence criteria	d
16	(TF SR) - Equivalence report for H11 LEDr	d
17	(IWG SLR) - Proposal for a Supplement to UN Regulation No.150	a
18	(Chair) - Running order	a
19	(IWG SLR) - Proposal for a Supplement to the 01 series of amendments to UN Regulation No.53	d
20	(IWG SLR) - Proposal for a Supplement to the 02 and 03 series of amendments to UN Regulation No.53	d
21	(IWG SLR) - Proposal for a Supplement to the 01 and 02 series of amendments to UN Regulation No.74	d
22	(IWG SLR) - Proposal for a Supplement to the 06 and 07 series of amendments to UN Regulation No.48	d
23	(IWG SLR) - Proposal for a Supplement to the 03, 04 and 05 series of amendments to UN Regulation No.48	d

<i>No.</i>	<i>(Author) Title</i>	<i>Follow-up</i>
24	(IWG SLR) - Draft consolidated proposal to amend UN Regulation No.149	d
25	(IWG SLR) - Summary of the proposed changes to UN Regulation No.149	d
26	(IWG SLR) - Draft consolidated proposal to amend UN Regulation No.150	d
27	(IWG SLR) - UN Regulation No.150: stage 2 of simplification	d
28	(IWG SLR) - Proposal for a Supplement to the 06 series of amendments to UN Regulation No.48	d
29	(CLCCR) - Proposal for amendments to UN Regulation No.48	c
30	(GTB) - Modifications to ECE/TRANS/WP.29/GRE/2020/4	e
31	(OICA) - Revised proposal for a new series of amendments to UN Regulation No.48	d
32	(OICA) - Proposal to amend ECE/TRANS/WP.29/GRE/2020/14	e
33	(OICA) - Informal document to support ECE/TRANS/WP.29/GRE/2020/4	e
34	(OICA) - Study setup: distraction potential of road projection symbols	e
35	(CLEPA) - Position paper on lighting for automated driving systems	g
36	(OICA) - Proposal to amend ECE/TRANS/WP.29/GRE/2020/5	e
37	(OICA) - Proposal to correct the 00 series of amendments to UN Regulation No. 149	a
38	(OICA) - Comments on ECE/TRANS/WP.29/GRE/2020/15 and LEDr light source package	d
39	(Secretariat) - Virtual meeting participation guidelines	f
40	(Germany) - Follow-up to sun load impact proposal in ECE/TRANS/WP.29/GRE/2019/22	e
41	(Poland) - Comments on ECE/TRANS/WP.29/GRE/2020/8/Rev.1	d
42	(Germany) - Proposal for a Supplement to UN Regulation No. 48	c
43	(Poland) - Comments on GRE-83-24	d
44	(OICA) - Proposal to amend ECE/TRANS/WP.29/GRE/2020/2	f
45	(Japan) - Proposal for a new [0x] series of amendments to UN Regulation No.48	c
46	(Russian Federation) - Comments on ECE/TRANS/WP.29/GRE/2020/5	d
47	(IWG SLR) - Progress report	f
48	(TF SR) - Progress report	f
49	(Japan) - Possible concerns on document ECE/TRANS/WP.29/GRE/2020/4	e
50	(France and Germany) - Revised version of ECE/TRANS/WP.29/GRE/2020/5	e
51	(IMMA) - Proposal to amend ECE/TRANS/WP.29/GRE/2020/13/Rev.1	b
52	(Russian Federation) - Correction to ECE/TRANS/WP.29/GRE/2020/3	b
53	(Secretariat) - Items for decision under silence procedure	a
54	(Chair) - Proceedings for the 83rd session of GRE	a

*Notes:*

- (a) Endorsed or adopted without amendment;
- (b) Endorsed or adopted with amendments;
- (c) Resume consideration on the basis of a document with an official symbol;
- (d) Kept as a reference document/continue consideration;
- (e) Revised proposal for the next session;
- (f) Consideration completed or to be superseded;
- (g) Withdrawn.

## Annex II

## Decisions adopted under silence procedure

<i>Decision No.</i>	<i>Agenda item</i>	<i>Decision</i>
1	1	GRE adopted the provisional agenda ECE/TRANS/WP.29/GRE/2020/1/Rev.1 together with informal documents listed in GRE-83-01, subject to the addition of a new item 4 (e) "Simplification of UN Regulations Nos. 48, 53, 74 and 86".
2	4(a)	GRE took note of the IWG SLR progress report (GRE-83-47) and provided the following guidance: <ul style="list-style-type: none"> <li>GRE supported the proposed scientific notation for numbers (GRE-83-08);</li> <li>For the use of the Unique Identifier (UI), GRE agreed with the IWG SLR proposal to include new information in DETA and to provide access to this information to new categories of stakeholders. GRE mandated IWG SLR to bring the proposal to IWG DETA for consideration;</li> <li>GRE supported the IWG SLR view on the use of type approval numbers and approval markings for the frozen UN Regulations, i.e. either apply an old number/old marking combination or a new number/new marking combination.</li> </ul>
3	4(a)	GRE agreed that IWG SLR would be chaired by Mr. Rovers (Netherlands)
4	4(b)	GRE adopted ECE/TRANS/WP.29/GRE/2020/9/Rev.1 and requested the secretariat to submit it for consideration and vote at the March 2021 session of WP.29/AC.1 as a draft Supplement to the original series of amendments to UN Regulation No. 148.
5	4(c)	GRE adopted ECE/TRANS/WP.29/GRE/2020/10/Rev.1 and GRE-83-37 and requested the secretariat to submit them for consideration and vote at the March 2021 session of WP.29/AC.1 as a draft Supplement to the original series of amendments to UN Regulation No. 149.
6	4(c)	GRE adopted GRE-83-07 and requested the secretariat to submit it for consideration and vote at the March 2021 session of WP.29/AC.1 as a draft Supplement to the 01, 02 and 03 series of amendments to UN Regulation No. 113 and as a draft Supplement to the original series of amendments to UN Regulation No. 149.
7	4(d)	GRE adopted ECE/TRANS/WP.29/GRE/2020/12/Rev.1 and GRE-83-17 and requested the secretariat to submit them for consideration and vote at the March 2021 session of WP.29/AC.1 as a draft Supplement to the original series of amendments to UN Regulation No. 150.
8	4(e)	GRE noted IWG SLR proposals for further simplification of UN Regulations Nos. 48, 53, 74 and 86 (GRE-83-19, GRE-83-20, GRE-83-21 and GRE-83-28) and invited GRE experts to provide comments to IWG SLR before the next session.
9	4	GRE took note of draft modifications to UN Regulations Nos. 148, 149 and 150 that were being developed by IWG SLR under stage 2 of simplification (GRE-83-09, GRE-83-25 and GRE-83-27).
10	5	GRE took note of the progress report of TF SR (GRE-83-48).
11	5	GRE adopted proposals for amendment to R.E.5 (ECE/TRANS/WP.29/GRE/2020/6 and ECE/TRANS/WP.29/GRE/2020/22) and requested the secretariat to submit them to the March 2021 session of WP.29
12	5	GRE considered proposals for amendments to UN Regulations Nos. 37 and 128 as well as to R.E.5 which introduce LED replacement light sources into UN Regulation No. 37 (ECE/TRANS/WP.29/GRE/2020/15, ECE/TRANS/WP.29/GRE/2020/16, ECE/TRANS/WP.29/GRE/2020/17, GRE-83-05, GRE-83-11, GRE-83-12, GRE-83-13, GRE-83-14, GRE-83-15, GRE-83-16, GRE-83-38). GRE re-confirmed the selected approach and decided to revert to the package at the next session. Meanwhile, GRE requested TF SR to liaise with Contracting Parties with the aim to take into consideration their concerns.
13	6(a)	GRE adopted ECE/TRANS/WP.29/GRE/2020/24 and requested the secretariat to submit it for consideration and vote at the March 2021 session of WP.29/AC.1 as a draft Supplement to the 06 and 07 series of amendments to UN Regulation No. 48.

14	6(a)	GRE adopted GRE-83-06 and requested the secretariat to submit them for consideration and vote at the March 2021 session of WP.29/AC.1 as a draft Supplement to the 06 and 07 series of amendments to UN Regulation No. 48.
15	6(a)	GRE adopted ECE/TRANS/WP.29/GRE/2020/2 and requested the secretariat to submit it for consideration and vote at the March 2021 session of WP.29/AC.1 as a draft Supplement to the 06 and 07 series of amendments to UN Regulation No. 48.
16	6(a)	GRE adopted ECE/TRANS/WP.29/GRE/2020/3, as amended by GRE-83-52 and requested the secretariat to submit it for consideration and vote at the March 2021 session of WP.29/AC.1 as a draft Supplement to the 04, 05, 06 and 07 series of amendments to UN Regulation No. 48.
17	6(a)	GRE took note of GRE-83-29 and GRE-83-42 and requested their submission as official documents to the next session.
18	6(a)	GRE considered a revised proposal on the use of the manufacturer's logo inside the illuminating surface (ECE/TRANS/WP.29/GRE/2020/5 and GRE-83-50) and noted concerns expressed by several experts. GRE invited the authors to liaise with those experts with the aim to prepare an updated text for the next session. In the interim, GRE reiterated its request to type approval authorities to refrain from granting type approvals to lamps with such logos.
19	6(a)	GRE considered ECE/TRANS/WP.29/GRE/2020/4, GRE-83-30, GRE-83-33, GRE-83-34 and GRE-83-49 on the projection of driver assistance symbols. Based on the comments received and pending further studies on the issue, GRE requested GTB to submit a revised document to the next session and invited all interested parties to contribute.
20	6(b)	GRE noted GRE-83-45 and invited Japan to submit it as an official document for consideration at the next session.
21	6(b)	GRE considered ECE/TRANS/WP.29/GRE/2020/8/Rev.1, ECE/TRANS/WP.29/GRE/2020/23, GRE-83-31 and GRE-83-41 with new requirements for headlamp levelling. In the absence of a consensus, GRE decided to finalize the issue at the next session and requested IWG SLR to take into account the comments made and to prepare a revised working document based on the following principles: <ul style="list-style-type: none"> <li>• the aiming diagram agreed at the 81st session of GRE (Annex II to ECE/TRANS/WP.29/GRE/81);</li> <li>• automatic levelling;</li> <li>• manual levelling, if a consensus is reached within IWG SLR.</li> </ul> GRE instructed IWG SLR to organize a separate meeting on this issue and encouraged all experts of Contracting Parties to participate.
22	6(b)	GRE considered ECE/TRANS/WP.29/GRE/2020/14 and GRE-83-32 with a draft new series of amendments to UN Regulation No. 48. Based on the comments received, GRE requested the Special Interest Group to revise the proposal, particularly concerning the not yet fully agreed parts, for consideration and possible adoption at the next session.
23	6(b)	GRE noted GRE-83-03 and Add.1 and GRE-83-43
24	7(a)	GRE adopted ECE/TRANS/WP.29/GRE/2020/19 and requested the secretariat to submit it for consideration and vote at the March 2021 session of WP.29/AC.1 as a draft Supplement to the 02 and 03 series of amendments to UN Regulation No. 53.
25	7(a)	GRE adopted ECE/TRANS/WP.29/GRE/2020/13/Rev.1, as amended by GRE-83-51, as a draft Supplement to the 01, 02 and 03 series of amendments to UN Regulation No. 53 and to the original series of amendments to UN Regulation No. 149. GRE agreed to postpone their submission to WP.29 and AC.1 pending the future 01 series of amendments to UN Regulation No. 149.
26	7(b)	GRE adopted ECE/TRANS/WP.29/GRE/2020/18 and requested the secretariat to submit it for consideration and vote at the March 2021 session of WP.29/AC.1 as a draft Supplement to the original series of amendments to UN Regulation No. 65.
27	7(c)	GRE adopted ECE/TRANS/WP.29/GRE/2020/21 and requested the secretariat to submit it for consideration and vote at the March 2021 session of WP.29/AC.1 as a draft Supplement to the 01 series of amendments to UN Regulation No. 86.
28	7(c)	GRE generally supported ECE/TRANS/WP.29/GRE/2020/7 and requested CEMA to re-submit this proposal in the form of a new series of amendments to UN Regulation No. 86 for consideration at the next session.

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29	7(d)	GRE adopted ECE/TRANS/WP.29/GRE/2020/11/Rev.1 and requested the secretariat to submit it for consideration and vote at the March 2021 session of WP.29/AC.1 as draft Supplements to the 01 and 02 series of amendments to UN Regulations Nos. 98 and 123.
30	7(e)	GRE adopted ECE/TRANS/WP.29/GRE/2020/20 and requested the secretariat to submit it for consideration and vote at the March 2021 session of WP.29/AC.1 as a draft Supplement to the 01 and 02 series of amendments to UN Regulation No. 74.
31	10	GRE endorsed an updated list of priorities (GRE-83-04-Add.1-Rev.1)
32	12	Mr. Timo Kärkkäinen (Finland) was elected as Chair for 2021. Mr. Derwin Rovers (Netherlands) was re-elected as Vice-Chair for 2021.
33	12	GRE paid tribute to Mr. Michel Loccufier (Belgium), the outgoing GRE Chair.

**Annex III****GRE informal groups**

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<i>Informal group</i>	<i>Chair(s) and Co-Chair(s)</i>	<i>Secretary</i>
Simplification of the Lighting and Light-Signalling UN Regulations (SLR)	Mr. Derwin Rovers (Netherlands) Phone: +31 79 345 8230 Email: drovers@rdw.nl Mr. Aleksander Lazarevic (EC) Phone: +32 2 298 54 89 Fax: +32 2 296 96 37 Email: aleksander.lazarevic@ec.europa.eu	Mr. Davide Puglisi (GTB) Phone: +39 011 562 11 49 Fax: +39 011 53 21 43 Email: secretary@gtb-lighting.org

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