


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

Geneva, 24-27 October 2017

Report of the Working Party on Lighting and Light-Signalling on its seventy-eighth session
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I. Attendance

1. The Working Party on Lighting and Light-Signalling (GRE) held its seventy-eighth session from 24 to 27 October 2017 in Geneva, under the chairmanship of Mr. M. Loccuffier (Belgium). 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): Austria; China; Czech Republic; Finland; France; Germany; Hungary; India; Italy; Japan; Latvia; Luxemburg; Netherlands; Norway; Poland; Republic of Korea; Spain; United Kingdom of Great Britain and Northern Ireland (UK) and Viet Nam. An expert from the European Commission (EC) participated. Experts from the following non-governmental organizations also took part in the session: 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/2017/8,
Informal documents GRE-78-01, GRE-78-08 and GRE-78-16

2. GRE considered and adopted the agenda (ECE/TRANS/WP.29/GRE/2017/8), as reproduced in GRE-78-01 together with the informal documents distributed during the session. GRE also note the running order proposed by the Chair (GRE-78-08).

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

4. GRE took note of the highlights of the June 2017 session of WP.29 and the official document submission deadline of 26 January 2018 for the April 2018 session of GRE (GRE-78-16).

III. 1998 Agreement - Global Technical Regulations: Development (agenda item 2)

5. No information was reported under this agenda item.

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

Documentation: ECE/TRANS/WP.29/2017/90, ECE/TRANS/WP.29/2017/91

6. GRE noted that the Administrative Committee of the 1997 Agreement, at its June 2017 session, had adopted amendments to Rules Nos. 1 and 2 (ECE/TRANS/WP.29/2017/90 and ECE/TRANS/WP.29/2017/91).

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

Documentation: ECE/TRANS/WP.29/GRE/2017/9,
ECE/TRANS/WP.29/GRE/2017/10,

ECE/TRANS/WP.29/GRE/2017/11,
ECE/TRANS/WP.29/GRE/2017/13,
ECE/TRANS/WP.29/GRE/2017/14,
ECE/TRANS/WP.29/GRE/2017/15, Informal documents GRE-78-04,
GRE-78-06, GRE-78-11, GRE-78-12, GRE-78-13, GRE-78-14, GRE-
78-15, GRE-78-20, GRE-78-26, GRE-78-27, GRE-78-31, GRE-78-
34, GRE-78-35 and Rev.1

7. On behalf of the Informal Working Group 'Simplification of the Lighting and Light-Signalling Regulations' (IWG SLR), the expert from GTB reported on the progress and schedule of IWG SLR (GRE-78-34) in preparing the three new simplified UN Regulations on Light-Signalling Devices (LSD), Road Illumination Devices (RID) and Retro-Reflective Devices (RRD). He presented a draft LSD Regulation (ECE/TRANS/WP.29/GRE/2017/9), amendments to Regulations Nos. 48, 53, 74 and 86 that group the definitions and introduce references to the new simplified Regulations (ECE/TRANS/WP.29/GRE/2017/10, ECE/TRANS/WP.29/GRE/2017/11, GRE-78-11, GRE-78-12, GRE-78-13, GRE-78-14, GRE-78-15 and GRE-78-20), and the new transitional provisions to Regulations Nos. 3, 4, 6, 7, 19, 23, 27, 38, 50, 69, 70, 77, 87, 91, 98, 104, 112, 113, 119 and 123 (ECE/TRANS/WP.29/GRE/2017/13). The expert from India commented on the IWG SLR proposals (GRE-78-26).

8. GRE agreed that the new UN Regulations and the necessary amendments to the existing Regulations should be adopted as a package, possibly at the next session. GRE was of the view that all definitions should be moved to one place and that Regulation No. 48 would be the best choice for that purpose, in spite of the fact that not all Contracting Parties to the 1958 Agreement applied this Regulation. GRE also agreed, in principle, that the transitional period to start the application of the new UN Regulations should be twenty-four months, as proposed by IWG SLR in the draft transitional provisions. GRE decided to revert to this issue once the timeline for the entry into force of the new UN Regulations was known, and which depends on IWG SLR progress.

9. The expert from Germany drew the attention of GRE to the non-availability of the electronic database for the exchange of type approval documentation (DETA) and the Unique Identifier (UI) at the time of the entry into force of the new UN Regulations (GRE-78-27). This might create difficulties for applying approval markings and would make the full benefits of SLR impossible to reap. GRE agreed that the new UN Regulations should include a substitute solution of quasi-traditional approval markings pending the availability of UI.

10. On behalf of IWG SLR, the expert of GTB presented a new concept of "change index" which aims to adapt and simplify the traditional approval markings in the context of the new LSD Regulation (GRE-78-35 and Rev.1). In particular, he proposed a table that lists all devices covered by the LSD Regulation and indicates the series of amendments with the most stringent requirements for each device. Following an in-depth discussion, GRE felt that having in the approval marking both series of amendments and a change index would be superfluous. A number of experts spoke in favour of indicating the series of amendments only, preceded by the Regulation number. The expert from UK pointed out the need to study how the proposed solution would work for extension of type approvals. The Chair requested IWG SLR to address this issue and invited the expert from UK to contribute.

11. GRE requested IWG SLR to consult the European Committee of Associations of Manufacturers of Agricultural Machinery (CEMA) about the draft amendments to Regulation No. 86. GRE also noted that IWG SLR would consult the IWG on the International Whole Vehicle Type Approval (IWVTA) about the approval markings for the new LSD Regulation.

12. GRE took note of a first draft RID Regulation (GRE-78-31) and invited experts to send their comments to IWG SLR by December 2017.

13. In the view of the ongoing idle period for the existing Regulations (stage 1 of SLR), the expert from Finland sought the consent of GRE to correct a mistake in Supplement 28 to the 01 series of amendments to Regulation No. 6 (GRE-78-06). GRE agreed (see Annex II), and requested the secretariat to submit it, in the proper legal form, to WP.29 and to the Administrative Committee of the 1958 Agreement (AC.1) for consideration and vote at their March 2018 sessions.

14. Pending the outcome of the discussion on light emitting diode (LED) substitute light sources (see paras. 17-19 below), GRE agreed to postpone consideration of ECE/TRANS/WP.29/GRE/2017/14, ECE/TRANS/WP.29/GRE/2017/15 and GRE-78-04.

VI. Regulation Nos. 37 (Filament lamps), 99 (Gas discharge light sources), 28 (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/2017/16,
ECE/TRANS/WP.29/GRE/2017/17,
ECE/TRANS/WP.29/GRE/2017/18,
ECE/TRANS/WP.29/GRE/2017/19,
ECE/TRANS/WP.29/GRE/2017/20,
ECE/TRANS/WP.29/GRE/2017/21,
ECE/TRANS/WP.29/GRE/2017/22, Informal documents GRE-78-02,
GRE-78-18, GRE-78-19, GRE-78-28, GRE-78-33

15. The expert from GTB proposed an amendment to Regulation No. 37, which corrects an error and aligns a term with Regulation No. 128 (ECE/TRANS/WP.29/GRE/2017/19). GRE adopted the amendment as draft Supplement 46 to the 03 series of amendments and requested the secretariat to submit it to WP.29 and AC.1 for consideration and vote at their March 2018 sessions.

16. The expert from GTB proposed to correct and amend some specifications in the Consolidated Resolution on the common specification of light source categories (R.E.5) (ECE/TRANS/WP.29/GRE/2017/18). The expert from IEC proposed another correction to R.E.5 (GRE-78-19 and Annex III). GRE adopted these proposals and requested the secretariat to submit them to WP.29 for consideration and adoption at the March 2018 session as draft Amendment 1 to the original version of R.E.5.

17. The expert from GTB presented revised amendments to Regulation No. 128 and to R.E.5 which introduced requirements, test specifications and new categories for light emitting diode (LED) substitute light sources (ECE/TRANS/WP.29/GRE/2017/17, ECE/TRANS/WP.29/GRE/2017/21). The proposals also included collective amendments to Regulations Nos. 48, 53, 74, 86 (ECE/TRANS/WP.29/GRE/2017/22 and GRE-78-02). The experts from Italy and OICA submitted written comments on the proposals (GRE-78-33 and GRE-78-28).

18. GRE noted that, compared to the original GTB proposals that had been considered at the previous session, the revised proposals contained safeguards against the possible misuse of LED substitutes as retrofits in lamps and/or vehicles that were not type approved for using such light sources. A number of experts were of the view that the proposed measures, such as consumer warning on packaging and a website with a list of compatible vehicle models, were not sufficient and reiterated their concerns as raised at the previous session.

The expert of OICA pointed out that, to avoid any responsibility for misusing LED substitutes when installing on old vehicle types, the vehicle manufacturers would have been burdened to extend type approvals pursuant to the earlier series of amendments to Regulation No. 48 (GRE-78-28). GRE acknowledged the problem and noted that the failure detection provisions in Regulation No. 48 should be revised. Some experts advocated the idea of physical keying of LED caps to prevent installing unauthorized substitutes.

19. GRE noted that the discussion addressed two different, but interrelated issues: (a) allowing LED substitutes for new type approvals, as part of Original Equipment Manufacturer (OEM) and Original Equipment Supplier (OES), and (b) using LED as retrofits on old vehicle types. Some experts were of the view that the two cannot be separated from one another. To make progress, GRE agreed to establish a task force. The expert from Germany stated that another expert from his country would act as Chair of the task force, while the expert from UK provisionally agreed to become Co-Chair. The expert from IEC volunteered to provide secretarial support.

20. The expert from GTB presented revised proposals for amendments to Regulation No. 128 and to the Consolidated Resolution (R.E.5) with the aim to introduce requirements, test specifications and a new category for forward lighting LED light sources (ECE/TRANS/WP.29/GRE/2017/16, ECE/TRANS/WP.29/GRE/2017/20). GRE adopted the amendments and requested the secretariat to submit them to WP.29 and to AC.1 (Regulation No. 128 only) for consideration and vote at their March 2018 sessions. GRE noted that, if adopted, the R.E.5 amendment would enter into force on the same day as the corresponding supplement to Regulation No. 128.

21. The expert from IEC pointed out that Regulations Nos. 37, 99 and 128 prescribe the approval code for the marking of light sources, however, in some instances the wording "approval number" is used. He proposed to correct the inconsistencies, specifically because Schedule 4 to the revised 1958 Agreement makes a distinction between the approval number and the approval code (GRE-78-18). The expert from the Netherlands volunteered to work with IEC to find a better solution for the communication form in Annex 1 to the above Regulations and to prepare an official document for the next session of GRE.

VII. 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/2017/23,
ECE/TRANS/WP.29/GRE/2017/24, Informal documents GRE-77-25,
GRE-78-05, GRE-78-21-Rev.1, GRE-78-29 and GRE-78-30

22. The expert from the Netherlands reported on the activities of the Task Force on Headlamp Switching (TF HS). He presented a first draft of amendment proposals to the 06 series of amendments to Regulation No. 48 (GRE-78-21-Rev.1) and a perspective on further editorial corrections (GRE-78-30). GRE agreed that these documents should be officially issued for the next session.

23. The expert from Japan provided interpretation of the provisions in the 06 series of amendment to Regulation No. 48 on automatic switching of dipped-beam headlamps and daytime running lamps relative to the ambient light conditions and stressed their positive implications for road safety (GRE-78-29). However, GRE and TF HS noted the concerns of Japan about possibilities for manual switching off and decided to revert to this issue at the next session.

24. Due to lack of time, GRE could not consider ECE/TRANS/WP.29/GRE/2017/23, ECE/TRANS/WP.29/GRE/2017/24, GRE-77-25 and GRE-78-05.

B. Other proposals for amendments to Regulation No. 48

Documentation: Informal documents GRE-78-23-Rev.1, GRE-78-32, GRE-78-36

25. The expert from Poland, in his capacity of Chair of the Informal Working Group on Visibility, Glare and Levelling (IWG VGL), briefed GRE on the IWG activities (GRE-78-36). He introduced a proposal and justification for a new diagram that defines the limits of a new aiming range for the dipped-beam headlamp (GRE-78-23-Rev.1) by lines. He also proposed to delete the 2,000 lm criterion (GRE-78-32).

26. For line 1, GRE generally agreed to a move to the right to the 0.2 per cent mark. Several experts also agreed that this shift should correspond with a shift of line 4 to retain the 1.6 per cent tolerance. The experts from Poland and UK pointed out the need for additional justification of tolerances for moving line 4, and invited OICA to provide the necessary details. Based on the GRE considerations, the experts from Italy, Netherlands, UK and OICA offered to prepare an amendment proposal for consideration at the next session.

27. GRE agreed to seek the consent of WP.29 to extend the mandate of IWG VGL for the year 2018 and requested IWG VGL to revise its Terms of Reference for consideration at the next session of GRE.

VIII. Other Regulations (agenda item 7)

A. Regulation No. 10 (Electromagnetic compatibility)

Documentation: ECE/TRANS/WP.29/GRE/2017/12, Informal documents GRE-78-09-Rev.1, GRE-78-10-Rev.1 and GRE-78-25

28. On behalf of the Task Force on Electromagnetic Compatibility (TF EMC), the expert from OICA presented a status report (GRE-78-10-Rev.1). He introduced revised amendment proposals to Regulation No. 10 (ECE/TRANS/WP.29/GRE/2017/12) and extended transitional provisions (GRE-78-09-Rev.1). He further mentioned that TF EMC was considering an additional proposal from the expert of Spain on the direct current charging mode that would be presented to the next session of GRE.

29. The experts from India (GRE-78-25) and the Netherlands commented on the technical part of the TF EMC proposals. GRE was of the view that new transitional provisions would have to be submitted as an official document and should be aligned with the Draft General Guidelines for United Nations regulatory procedures and transitional provisions in UN Regulations, which were expected to be adopted by WP.29 at its November 2017 session (ECE/TRANS/WP.29/2017/107, see para. 36 below). GRE requested TF EMC to take into account the above considerations and to submit to the next session a revised consolidated proposal, possibly as a new series of amendments to Regulation No. 10.

B. Regulation No. 53 (Installation of lighting and light-signalling devices for L3 vehicles)

Documentation: ECE/TRANS/WP.29/GRE/2017/25,
ECE/TRANS/WP.29/GRE/2017/26,
ECE/TRANS/WP.29/GRE/2017/27, Informal documents GRE-77-08,
GRE-77-09, GRE-77-17, GRE-78-07, GRE-78-22, and GRE-78-24

30. The expert from IMMA proposed to allow the use of different activation methods for stop lamps, and to align the stop lamp provisions with those applicable for four-wheelers (ECE/TRANS/WP.29/GRE/2017/25 and GRE-78-07). GRE noted that a corresponding proposal for amendments to Regulation No. 78 had been submitted to the Working Party on Braking and Running Gear (GRRF). The experts from Finland, Germany, Italy, Netherlands and UK commented on the proposal. The Chair invited the expert of IMMA to update the proposal based on the comments received. GRE decided to consider an updated proposal at the next session that would include the issue of its legal form (supplement or a new series of amendments).

31. Due to lack of time, GRE did not consider ECE/TRANS/WP.29/GRE/2017/26, ECE/TRANS/WP.29/GRE/2017/27, GRE-77-08, GRE-77-09, GRE-77-17, GRE-78-22 and GRE-78-24.

IX. Other business (agenda item 8)

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

32. The secretariat informed GRE that the Working Party on Road Traffic Safety (WP.1) had continued discussing amendment proposals to Article 32 and Chapter II of Annex 5 on lighting and light-signalling. GRE invited WP.1 to send these proposals to GRE for review, once finalized.

B. Decade of action for road safety 2011-2020

33. This item was not considered due to a lack of time.

C. Development of the International Whole Vehicle Type Approval

Documentation: ECE/TRANS/WP.29/2017/108, ECE/TRANS/WP.29/2017/109,
ECE/TRANS/WP.29/2017/131

34. GRE noted that Revision 3 of the 1958 Agreement (ECE/TRANS/WP.29/2016/2) had entered into force on 14 September 2017 and that a special webpage had been created by the secretariat with the text of the revised Agreement and frequently asked questions (ECE/TRANS/WP.29/2017/131). GRE was informed that the IWG on the International Whole Vehicle Type Approval (IWVTA) had submitted the final draft of UN Regulation No. 0 and explanations on IWVTA for consideration and approval at the November 2017 sessions of WP.29 and AC.1 (ECE/TRANS/WP.29/2017/108 and ECE/TRANS/WP.29/2017/109). GRE also took note that, following the adoption in June 2017 of amendments to Regulation No. 48, IWG IWVTA would consider the need to keep in Annex 4 to UN Regulation No. 0 references to the individual Regulations on lighting and light-signalling devices.

D. Phantom light and colour washout

35. No information was reported on this topic.

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

Documentation: ECE/TRANS/WP.29/2017/107, Informal documents GRSG-113-42, GRSG-113-39, GRE-78-03, GRE-78-17

36. At the request of WP.29 at its June 2017 session, GRE reviewed the Draft General Guidelines for United Nations regulatory procedures and transitional provisions in UN Regulations (ECE/TRANS/WP.29/2017/107). In particular, GRE experts expressed various views on para. 6.1. on the application of additional national provisions for vehicle characteristics that were not covered by the scope of a UN Regulation. The Chair invited GRE experts to consider the Draft Guidelines and to submit their further comments, if any, to the secretariat and/or to IWG IWVTA as soon as possible.

37. GRE was informed that the Working Party on General Safety Provisions, at its recent session, had adopted amendment proposals on colours to Regulation No. 121 (Identification of controls, tell-tales and indicators) (GRSG-113-42 and GRSG-113-39). GRE supported the short-term solution proposed in GRSG-113-42 and noted that the long-term solution (GRSG-113-39) would be published as an official GRSG document and presented to GRE.

38. The expert of SAE informed GRE about the Sixth International Forum on Automotive Lighting (IFAL) that would take place in China in June 2018 (GRE-78-17).

39. Due to a lack of time, GRE was not in a position to consider GRE-78-03.

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

40. No new information was introduced under this agenda item.

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

41. For its next session, GRE decided to give priority to the proposals on simplification of lighting and light-signalling Regulations and then to the documents that had not been considered at this session due to a lack of time.

42. The expert from the Netherlands announced his intention to draft a proposal for amendment to Regulation No. 74 that would require mandatory installation of direction indicators on mopeds.

XIII. Election of officers (agenda item 12)

43. In compliance with Rule 37 of the Rules of Procedure (TRANS/WP.29/690 and ECE/TRANS/WP.29/690/Amend.1), GRE called for the election of officers. The representatives of the Contracting Parties, present and voting, elected unanimously Mr. M. Loccufier (Belgium) as Chair and Mr. D. Rovers (Netherlands) as Vice-Chair for the sessions of GRE scheduled in the year 2018.

Annex I

List of informal documents considered during the session

Informal documents GRE-78-...

<i>No.</i>	<i>(Author) Title</i>	<i>Follow-up</i>
1	(Secretariat) - Updated provisional agenda for the seventy-eighth session of GRE	b
2	(GTB) - Explanation of the differences between ECE/TRANS/WP.29/GRE/2017/4 and ECE/TRANS/WP.29/GRE/2017/22	d
3	(France and Germany) - Evocative, suggestive or figurative apparent surfaces	d
4	(GTB) - Correction to ECE/TRANS/GRE/2017/14	d
5	(GTB) - Correction of errors and discrepancies in the 05 and 06 series of amendments to Regulation No. 48	d
6	(Finland) - Proposal for a Corrigendum to Supplement 28 to the 01 series of amendments to Regulation No. 6	a
7	(IMMA) - Proposal for amendments to ECE/TRANS/GRE/2017/25	e
8	(Chair) - Running order	f
9-Rev.1	(TF EMC) - Proposal for Supplement 2 to the 05 series of amendments to Regulation No. 10	e
10-Rev.1	(TF EMC) - Status report	f
11	(IWG SLR) - Proposal for a Supplement to the 02 series of amendments to Regulation No. 53	d
12	(IWG SLR) - Proposal for a Supplement to the 01 series of amendments to Regulation No. 74	d
13	(IWG SLR) - Proposal for a Supplement to the 01 series of amendments to Regulation No. 86	d
14	(IWG SLR) - Proposal for a Supplement to the 04 series of amendments to Regulation No. 48	d
15	(IWG SLR) - Proposal for a Supplement to the 05 series of amendments to Regulation No. 48	d
16	(Secretariat) - General information and WP.29 highlights	f
17	(SAE) - The 6th International Forum on Automotive Lighting, China (IFAL)	f
18	(IEC) - Approval code light sources	e
19	(IEC) - Proposal for Amendment 1 to the original version of the Consolidated Resolution on the common specification of light source categories (R.E.5)	a
20	(IWG SLR) - Revision of ECE/TRANS/WP.29/GRE/2017/11	d
21-Rev.1	(TF HS) - Proposal for draft amendments to Regulation No. 48	c
22	(Special Interest Group for DRL) - Proposals for a collective amendment to Regulation No. 53 and draft Regulation on Light Signalling Devices (LSD)	d
23-Rev.1	(IWG VGL) - Proposal and justification for lines defining the limits (diagram) for the new aiming range	e
24	(India) - Proposals for Supplement 1 to the 02 series of amendments and Supplement 19 to the 01 series of amendments to Regulation No. 53	d
25	(India) - Comments on ECE/TRANS/WP.29/GRE/2017/12	d

<i>No.</i>	<i>(Author) Title</i>	<i>Follow-up</i>
26	(India) - Comments on ECE/TRANS/WP.29/GRE/2017/9, ECE/TRANS/WP.29/GRE/2017/13 and GRE-77-32	d
27	(Germany) - Comments on all documents dealing with the simplification process and the “Unique Identifier (UI)”	f
28	(OICA) - Comments on ECE/TRANS/WP.29/GRE/2017/17 and ECE/TRANS/WP.29/GRE/2017/22	f
29	(Japan) - Interpretation of the 06 series of amendments to Regulation No. 48	d
30	(TF HS) - Outlook on possible results of the editorial work on Regulation No. 48 following the proposed introduction of new definitions (GRE-78-21-Rev.1)	c
31	(IWG SLR) - Draft new UN Regulation on uniform provisions concerning the approval of road illumination devices (lamps) and systems for power-driven vehicles	c
32	(IWG VGL) - Justification for deletion of the 2,000 lm criterion	d
33	(Italy) - Modification to document ECE/TRANS/WP.29/GRE/2017/22	d
34	(IWG SLR) - Status report	f
35-Rev.1	(IWG SLR) - Underlying principles of approval markings for the LSD Regulation	e
36	(IWG VGL) - Status report	f

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

Adopted amendments to Regulation No. 6 (para. 13 of the report)

Paragraph 1.3., amend to read:

"1.3. *"Direction indicators of different types"* means lamps which differ in such essential respects as:

- (a) the trade name or mark:
 - (i) **lamps bearing the same trade name or mark but produced by different manufacturers shall be considered as being of different types;**
 - (ii) **lamps produced by the same manufacturer differing only by the trade name or mark shall be considered as being of the same type.**
- (b) the characteristics ..."

Annex III

Proposal for amendments to the original version of the Consolidated Resolution on the common specification of light source categories (R.E.5) (para. 16 of the report)

The Status table, amend to read:

"Status table

This consolidated version of this Resolution contains all provisions and amendments adopted so far by the World Forum for Harmonization of Vehicle Regulations (WP.29) and is valid from the date as indicated in the following table until the date on which the next revision of this Resolution becomes valid:

Version of the Resolution	Date * as from which the version is valid	Adopted by WP.29		Clarification
		Session No.	Amendment document No.	
1 (Original)	[2017-xx-xx]	170	ECE/TRANS/WP.29/2016/111	Based upon Annexes 1 of Regulations: <ul style="list-style-type: none"> • No. 37, up to and including Supplement 44 • No. 99, up to and including Supplement 11 • No. 128, up to and including Supplement 5
[2]	[2018-xx-xx]	[173]	[ECE/TRANS/WP.29/2017/xx]	Amended details in sheet: HIR2/1

* This date is the date of adoption of the amendment to the Resolution by WP.29 or the date of entering into force of an amendment to Regulation No. 37, 99 or 128 adopted by AC.1 as a package with the amendment to the Resolution in the same session of WP.29.

Annex 1,

Sheet HIR2/1, the drawing View B left bottom, amend to read:

“~~Reference~~ **Filament** axis”.

Annex IV**GRE informal groups**

<i>Informal group</i>	<i>Chair(s)</i>	<i>Secretary</i>
Simplification of the Lighting and Light-Signalling Regulations (SLR)	Mr. Michel Loccufier (Belgium) Phone: +32 474 989 023 Email: michel.loccufier@mobilite.fgov.be	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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