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Sixty-fifth session

Geneva, 28–31 March 2011

Report of the Working Party on Lighting and Light-Signalling on its sixty-fifth session

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I. Attendance

1. The Working Party on Lighting and Light-Signalling (GRE) held its sixty-fifth session from 28 to 30 March 2011 in Geneva, under the chairmanship of Mr. M. Gorzkowski (Canada). Experts from the following countries participated in the work following Rule 1(a) of the Rules of Procedure of the World Forum for Harmonization of Vehicle Regulations (WP.29) (TRANS/WP.29/690 and Amend. 1): Austria; Canada; China; Czech Republic; Finland; France; Germany; Hungary; India; Italy; Japan; Netherlands; Norway; Poland; Republic of Korea; Russian Federation; Spain; Sweden and 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 Association of Automobile Suppliers (CLEPA); International Association of the Body and Trailer Building Industry (CLCCR); International Electrotechnical Commission (IEC); International Motorcycle Manufacturers Association (IMMA); International Organization of Motor Vehicle Manufacturers (OICA). Upon the special invitation of the Chair, the experts from the Working Party "Brussels 1952 (GTB)" participated.

2. The informal documents distributed during the session are listed in Annex I of this report.

II. Adoption of the agenda (agenda item 1)

Documentation: ECE/TRANS/WP.29/GRE/2011/1 and Add.1,
Informal document GRE-65-20

3. GRE noted GRE-65-20 including all informal documents and new items in the provisional agenda. GRE agreed to insert new agenda items 4(c), 4(d), 5(j), 14(c), 14(d), 14(e), 14(f), 14(g), 14(h), 14(i) and 16 and adopted the agenda proposed for the sixty-fifth session (ECE/TRANS/WP.29/GRE/2011/1 amended by ECE/TRANS/WP.29/GRE/2011/Add.1 and GRE-65-20).

III. Development of new global technical regulations (agenda item 2)

4. The Chair of GRE reminded GRE that new proposals on this subject were awaited and GRE agreed to defer discussion to its October 2011 session.

IV. Regulation No. 37 (Filament lamps) (agenda item 3)

Documentation: ECE/TRANS/WP.29/GRE/2011/18 and Corr.1
Informal document GRE-65-05

5. GRE considered and adopted ECE/TRANS/WP.29/GRE/2011/18 and ECE/TRANS/WP.29/GRE/2011/18/Corr.1 (amended by GRE-65-05) as amended by Annex II to this report. The secretariat was requested to submit the proposal to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee of the 1958 Agreement (AC.1) at their November 2011 session, as draft Supplement 38 to the 03 series of amendments to Regulation No. 37.

V. Regulation No. 48 (Installation of lighting and light-signalling devices) (agenda item 4)

A. Proposal for Supplement 8 to the 04 series of amendments

Documentation: ECE/TRANS/WP.29/GRE/2011/23,
ECE/TRANS/WP.29/GRE/2011/26 and Corr.1
Informal documents GRE-65-08 and GRE-65-28

6. The expert from GTB introduced ECE/TRANS/WP.29/GRE/2011/23 on increasing the maximum mounting height of the rear fog lamps. The experts from the Netherlands and France expressed concerns for its potential dazzling effect and its disharmonized use. However, GRE adopted it not amended and requested the secretariat to submit the proposal to WP.29 and to AC.1 at their November 2011 session, as draft Supplement 8 to the 04 series of amendments to Regulation No. 48.

7. The expert from the Netherlands withdrew ECE/TRANS/WP.29/GRE/2011/26 and ECE/TRANS/WP.29/GRE/2011/26/Corr.1 and announced the preparation of a revised proposal for the October 2011 session of GRE.

8. The expert from the United Kingdom introduced GRE-65-08 clarifying the exemption of cabs of commercial vehicle from conspicuity markings. The expert from OICA introduced GRE-65-28 extending exemption for marking cabs of the tractor trailers. GRE agreed to remove this item from the agenda of the next sessions unless new proposal was submitted.

B. Proposal for Corrigendum 2 to the 05 series of amendments

Documentation: ECE/TRANS/WP.29/GRE/2011/25,
Informal documents GRE-65-01 and GRE-65-18

9. GRE considered and adopted ECE/TRANS/WP.29/GRE/2011/25 as reproduced in Annex III to this report and GRE-65-18 (superseding GRE-65-01) as reproduced in Annex III to this report. The secretariat was requested to submit both proposals to WP.29 and AC.1 at their November 2011 session, as draft Corrigendum 2 to the 05 series of amendments to Regulation No. 48. Additionally GRE requested the assistance of the experts of GTB and OICA to carry out a complete review and updating of the full transitional provisions of Regulation No. 48 with the objective to simplify and clarify the text.

C. Proposal for Supplement 1 to the 05 series of amendments

Documentation: Informal document GRE-65-10

10. The secretariat withdrew GRE-65-10.

D. Clarification for the choice of the value of 100 m in para. 6.1.9.3.1.2.

Documentation: Informal document GRE-65-22,

11. Following the request made by GRE at its sixty-fourth session (ECE/TRANS/WP.29/GRE/64, para. 19), the expert from GTB made a presentation (GRE-65-22) justifying the choice of the minimum value of 100 m established in para. 6.1.9.3.1.2. of Regulation No. 48. This paragraph deals with the sensor of the automatic activation/deactivation of the main-beam headlamps to detect a preceding vehicle. GRE was satisfied with these research findings that supported the 100 m value.

VI. Collective amendments (agenda item 5)

A. Simplification of the approval markings

12. The expert from GTB reported on his continued participation in the activities of the informal group on electronic database for the exchange of type approval documentation (DETA). He confirmed that the database is capable of providing the facility that enables type approval markings to be simplified. However, he added that before GTB could start the extensive work of amending all the relevant lighting and signalling regulations, it was necessary to seek a commitment that all Contracting Parties to the 1958 agreement would adopt and operate the DETA system. He concluded that unless this commitment could be confirmed, it would not be possible to simplify the type approval markings. GRE agreed to seek guidance from WP.29 regarding the need to establish this commitment. GRE noted that the report of the twelfth session of DETA was available at: www.unece.org/trans/main/wp29/wp29wgs/wp29gen/gen deta12.html

B. Phantom light and colour washout phenomena in signalling and marking devices

13. The expert from Germany announced that he would prepare a proposal for consideration by GRE at its October 2011 session.

C. Regulation Nos. 3, 4, 6, 7, 19, 23, 27, 31, 38, 45, 50, 65, 69, 70, 77, 87, 88, 91, 98, 104, 112, 113, 119 and 123

14. GRE agreed to keep this item in the agenda of the next session awaiting a new proposal.

D. Regulation Nos. 19, 48, 98, 99, 113 and 123

Documentation: ECE/TRANS/WP.29/GRE/2010/27,
ECE/TRANS/WP.29/GRE/2011/2,
ECE/TRANS/WP.29/GRE/2011/3,
ECE/TRANS/WP.29/GRE/2011/17,
ECE/TRANS/WP.29/GRE/2011/22,
ECE/TRANS/WP.29/2010/107 and Corr.1,
ECE/TRANS/WP.29/GRE/2011/27,
ECE/TRANS/WP.29/GRE/2011/24,
Informal documents GRE-65-03, GRE-65-13-Rev.1, GRE-65-16,
GRE-65-17 and GRE-65-30

15. GRE adopted ECE/TRANS/WP.29/GRE/2010/27, not amended. The secretariat was requested to submit the proposal to WP.29 and AC.1 at their November 2011 session, as draft Supplement 2 to the 04 series of amendments to Regulation No. 19, as part of (see para. 6) draft Supplement 8 to the 04 series of amendments to Regulation No. 48, as draft Supplement 2 to the 01 series of amendments to Regulation No. 98, as draft Supplement 10 to Regulation No. 113 and as draft Supplement 2 to the 01 series of amendments to Regulation No. 123.

16. GRE noted that WP.29 at its November 2010 session referred back ECE/TRANS/WP.29/2010/107 and ECE/TRANS/WP.29/2010/107/Corr.1 to GRE for further consideration (see ECE/TRANS/WP.29/1087, para 62). GRE adopted ECE/TRANS/WP.29/2010/107, as amended by Annex IV to this report, ECE/TRANS/WP.29/GRE/2011/17, not amended (superseding ECE/TRANS/WP.29/2010/107/Corr.1 and para. 2.7.27. of ECE/TRANS/WP.29/2010/107). The secretariat was requested to submit both proposals to the November 2011 sessions of WP.29 and AC.1 as draft Corrigendum 4 to the 04 series of amendments to Regulation No. 48.

17. GRE considered ECE/TRANS/WP.29/GRE/2011/27, introducing mandatory automatic levelling for headlamps (superseding ECE/TRANS/WP.29/GRE/2011/2 and ECE/TRANS/WP.29/GRE/2011/22). The proposal received comments from the experts of GTB (GRE-65-03 and GRE-65-17) and OICA (GRE-65-16) among others. GRE adopted ECE/TRANS/WP.29/GRE/2011/27, as amended by Annex IV to this report. GRE agreed that this adoption was subject to the development of a further proposal to be prepared by the expert from GTB who would lead a comprehensive study of the whole issue of glare and visibility during night-time driving. Accordingly, it was agreed in case the results of the study revealed alternatives to the adopted mandatory requirements for automatic leveling and cleaning, the provisions of Regulation No. 48 would be re-examined at any time during the 90 months transitional period provided by ECE/TRANS/WP.29/GRE/2011/27. It was further agreed that, while the study would be managed by a dedicated working group based on the GTB structure, participation would be open to any GRE expert wishing to contribute. The secretariat was requested to submit ECE/TRANS/WP.29/GRE/2011/27 to WP.29 and AC.1 at their November 2011 sessions as draft [06] series of amendments to Regulation No. 48.

18. GRE adopted ECE/TRANS/WP.29/GRE/2011/3, not amended. The secretariat was requested to submit ECE/TRANS/WP.29/GRE/2011/3 as draft Supplement 7 to Regulation No. 99 to WP.29 and AC.1 at their November 2011 session.

19. The expert from Poland introduced GRE-65-13-Rev.1 through a presentation (GRE-65-30). GRE requested the secretariat to distribute GRE-65-13-Rev.1 with an official symbol at its October 2011 session. GRE also agreed to consider ECE/TRANS/WP.29/GRE/2011/24 under this item, instead of agenda item 5(i). Finally, GRE agreed to refer the proposal to the dedicated working group of GTB (see para. 17).

E. Regulation Nos. 6, 7 and 48

20. GRE agreed to keep this item in the agenda of the next session awaiting a new proposal on this subject.

F. Regulation Nos. 23 and 48

Documentation: ECE/TRANS/WP.29/GRE/2011/29,
ECE/TRANS/WP.29/GRE/2011/30,
Informal documents GRE-65-23-Rev.1, GRE-65-24-Rev.1,
GRE-65-25 and GRE-65-31

21. The expert from Germany introduced ECE/TRANS/WP.29/GRE/2011/29 through a presentation (GRE-65-31). GRE considered GRE-65-23-Rev.1, superseding ECE/TRANS/WP.29/GRE/2011/29. The expert from OICA also introduced GRE-65-24-Rev.1 and GRE-65-25 complementing ECE/TRANS/WP.29/GRE/2011/30. GRE agreed in principle with GRE-65-23-Rev.1 and requested the secretariat to distribute it with an official symbol at its October 2011 session. GRE also agreed to resume discussion on GRE-65-24-Rev.1 and GRE-65-25 on the basis of revised proposals voluntarily prepared by the expert from OICA.

G. Regulation Nos. 48 and 112

Documentation: ECE/TRANS/WP.29/GRE/2011/20,
ECE/TRANS/WP.29/GRE/2011/21
Informal documents GRE-65-26 and GRE-65-33

22. The expert of GTB introduced ECE/TRANS/WP.29/GRE/2011/20 and ECE/TRANS/WP.29/GRE/2011/21 through a presentation (GRE-65-33). GRE adopted ECE/TRANS/WP.29/GRE/2011/20 (amended by GRE-65-26) as amended by Annex V to this report and ECE/TRANS/WP.29/GRE/2011/21, not amended. The secretariat was requested to submit to WP.29 and AC.1 at their November 2011 sessions, ECE/TRANS/WP.29/GRE/2011/20 as part of (see paras. 6 and 15) draft Supplement 8 to the 04 series of amendments to Regulation No. 48 and ECE/TRANS/WP.29/GRE/2011/21 as draft Supplement 2 to the 01 series of amendments to Regulation No. 112.

H. Regulation Nos. 4, 6, 7, 23, 38, 50, 77, 87, 91 and 119

Documentation: ECE/TRANS/WP.29/GRE/2011/6,
ECE/TRANS/WP.29/GRE/2011/7,
ECE/TRANS/WP.29/GRE/2011/8,
ECE/TRANS/WP.29/GRE/2011/9,
ECE/TRANS/WP.29/GRE/2011/10,
ECE/TRANS/WP.29/GRE/2011/11,
ECE/TRANS/WP.29/GRE/2011/12,
ECE/TRANS/WP.29/GRE/2011/13,
ECE/TRANS/WP.29/GRE/2011/14,
ECE/TRANS/WP.29/GRE/2011/15

23. GRE agreed in principle with:

ECE/TRANS/WP.29/GRE/2011/6, ECE/TRANS/WP.29/GRE/2011/7,
ECE/TRANS/WP.29/GRE/2011/8, ECE/TRANS/WP.29/GRE/2011/9,
ECE/TRANS/WP.29/GRE/2011/10, ECE/TRANS/WP.29/GRE/2011/11,
ECE/TRANS/WP.29/GRE/2011/12, ECE/TRANS/WP.29/GRE/2011/13,
ECE/TRANS/WP.29/GRE/2011/14 and ECE/TRANS/WP.29/GRE/2011/15.

However, it was agreed to keep all the proposals in the agenda of further sessions of GRE awaiting final adoption by WP.29 of the draft Regulation (ECE/TRANS/WP.29/2010/44 and ECE/TRANS/WP.29/2010/44/Rev.1) on Light Emitting Diodes (LED) light sources.

I. Regulations Nos. 19, 48, 53, 86, 112 and 123

Documentation: ECE/TRANS/WP.29/GRE/2011/24

24. GRE agreed to merge discussion of this agenda item with item 5(d) (see para. 19).

J. Regulations Nos. 53 and 113

Documentation: Informal documents GRE-65-06, GRE-65-07 and GRE-65-32

25. The expert from IMMA gave a presentation (GRE-65-32) on the added visibility of an additional light source type headlamp for motorcycles. The presentation included a motorcycle demonstration in the underground garage of the Palais des Nations. Accordingly, the expert from IMMA introduced GRE-65-06 and GRE-65-07 aimed at introducing provisions allowing the type approval and installation of this device. It was agreed to resume discussion at the October 2011 session of GRE on the basis of a revised proposal from the IMMA expert. GRE experts were invited to provide timely comments to the expert from IMMA to allow him to submit the revised proposals as official documents.

VII. New draft Regulation for light-signalling devices (agenda item 6)

Documentation: ECE/TRANS/WP.29/GRE/2008/32

26. The expert from France, Chair of the informal group on Horizontal Reference Document informed GRE about its work progress in revisioning ECE/TRANS/WP.29/GRE/2008/32. He urged GRE experts to contribute to finalizing the proposal. The expert from Italy suggested removing of paragraph 6 from the proposal

because it is too specific for each Regulation and thus cannot have a common reference. GRE considered including of the Horizontal Reference Document into an Annex to Consolidated Resolution (R.E.3). GRE agreed to resume discussion on this agenda item at its October 2011 session.

VIII. Regulation No. 7 (Front and rear position lamps, stop lamps and end-outline marker lamps) (agenda item 7)

Documentation: ECE/TRANS/WP.29/GRE/2011/19

27. GRE adopted ECE/TRANS/WP.29/GRE/2011/19, not amended. The secretariat was requested to submit it to WP.29 and AC.1 at their November 2011 session as draft Supplement 20 to the 02 series of amendments.

IX. Regulation No. 10 (Electromagnetic Compatibility) (agenda item 8)

Documentation: Informal document GRE-65-19

28. GRE adopted GRE-65-19 as reproduced in Annex VI to this report. The secretariat was requested to submit it to WP.29 and AC.1 at their November 2011 session as draft Corrigendum 1 to the 04 series of amendments to Regulation No. 10.

X. Regulation No. 87 (Daytime running lamps) (agenda item 9)

Documentation: ECE/TRANS/WP.29/GRE/2011/6

29. GRE considered ECE/TRANS/WP.29/GRE/2011/6. The proposal did not receive GRE's support and it was agreed to remove this item from the agenda of the next session.

XI. Regulation No. 99 (Gas-discharge light sources) (agenda item 10)

Documentation: ECE/TRANS/WP.29/GRE/2011/28
Informal document GRE-65-21

30. GRE adopted ECE/TRANS/WP.29/GRE/2011/28, (amended by GRE-65-21) as amended by Annex VII to this report. The secretariat was requested to submit the proposal to AC.1 and WP.29 at their November 2011 sessions as part of (see para. 18) draft Supplement 7 to Regulation No. 99.

XII. Regulation No. 104 (Retro-reflective markings) (agenda item 11)

Documentation: ECE/TRANS/WP.29/GRE/2011/4

31. GRE adopted ECE/TRANS/WP.29/GRE/2011/4, not amended. The secretariat was requested to submit the proposal to AC.1 and WP.29 at their November 2011 session as draft Corrigendum 1 to Revision 1 to Regulation No. 104.

XIII. Regulation No. 113 (Headlamps emitting a symmetrical passing beam) (agenda item 12)

Documentation: ECE/TRANS/WP.29/GRE/2011/5
Informal document GRE-65-14

32. GRE adopted ECE/TRANS/WP.29/GRE/2011/5, not amended. The secretariat was requested to submit the proposal to AC.1 and WP.29 at their November 2011 session as draft 01 series of amendments to Regulation No. 113. GRE also requested the secretariat to distribute GRE-65-14 with an official symbol at its October 2011 session.

XIV. Conspicuity of motorcycles (agenda item 13)

33. GRE agreed to keep this item in the agenda of the next session awaiting new proposals on this subject.

XV. Other business (agenda item 14)

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

Documentation: ECE/TRANS/WP.29/2011/47

34. GRE noted that WP.29 at its March 2011 session (see ECE/TRANS/WP.29/1089, paras. 80-81) agreed to transmit ECE/TRANS/WP.29/2011/47 to the Working Party on Road Safety (WP.1) for consideration at their March 2011 session. GRE noted that WP.1 would resume consideration of ECE/TRANS/WP.29/2011/47 in details at its September 2011 session.

B. Intelligent Transport Systems – Guidelines on establishing requirements for high-priority signals

Documentation: Informal document GRE-65-15

35. GRE noted that a public consultation on the strategy for intelligent transport systems (ITS) deployment, prepared by the WP.29 secretariat, had been launched in February 2011 (see ECE/TRANS/WP.29/1089, paras. 19-21). Moreover, it was noted that a project sponsored by the European Commission was underway allowing vehicle trains to operate on normal highway with significant environmental, safety and comfort benefits (GRE-65-15). GRE agreed that ITS issues would affect present and future requirements and performance of lighting and light-signalling. Any future ITS proposal would be dealt with by GRE on a case by case basis.

C. Regulation No. 6 (Direction indicators)

Documentation: Informal document GRE-65-02

36. GRE considered and adopted GRE-65-02, as reproduced in Annex VIII to this report. The secretariat was requested to submit the proposal to AC.1 and WP.29 at their November 2011 sessions as draft Corrigendum 1 to Supplement 19 to the 01 series of amendments to Regulation No. 6.

D. Regulation No. 112 (Headlamps emitting asymmetrical passing beam)

Documentation: Informal documents GRE-65-04 and GRE-65-29

37. The expert from the People's Republic of China introduced GRE-65-04 through a presentation (GRE-65-29), aimed at improving the test of resistance of automotive lamp lenses or lenses material to atmospheric agents. GRE requested the secretariat to distribute GRE-65-04 with an official symbol at its October 2011 session.

E. Proposal for guidelines on the scope, administrative provisions and alternative requirements in Regulations annexed to the 1958 Agreement

Documentation: ECE/TRANS/WP.29/2011/48, ECE/TRANS/WP.29/2011/111
Informal documents GRE-65-34, WP.29-153-26 and WP.29-153-27

38. GRE noted a presentation made by the WP.29 secretariat (GRE-65-34) introducing ECE/TRANS/WP.29/2011/48 on updating guidelines on administrative provisions in Regulations annexed to the 1958 Agreement. GRE suggested amending it by introducing the following guideline into ECE/TRANS/WP.29/2011/48, "When a new supplement to a preceding series of amendments was needed, due to the long schedule of transitional provisions of the latest one, keen revision of the requirements should be done by the experts to avoid conflicts of provisions among the series of amendments concerned". GRE requested the secretariat to transmit it to WP.29 for consideration at its June 2011 session. Concerning ECE/TRANS/WP.29/2011/111, WP.29-153-26 and WP.29-153-27, which deal with the definitions of "revision" and "extension" of type approvals (see ECE/TRANS/WP.29/1089, para. 45), GRE agreed to defer discussion to its October 2011 session.

F. Regulation No. 19 (Front fog lamps)

Documentation: Informal document GRE-65-09 and GRE-65-27

39. GRE adopted GRE-65-09 and GRE-65-27, both as reproduced in Annex IX to this report. The secretariat was requested to submit GRE-65-09 to WP.29 and AC.1 at their June 2011 sessions as draft Corrigendum 2 to the 04 series of amendments and GRE-65-27 to WP.29 and AC.1 at their November 2011 sessions as draft Corrigendum 6 to the 03 series of amendments to Regulation No. 19.

G. Regulation No. 70 (Rear-marking plates for heavy and long vehicles)

Documentation: Informal document GRE-65-11

40. GRE noted GRE-65-11. GRE agreed to resume discussion on this subject on the basis of a revised proposal jointly prepared by the experts from the Czech Republic and CLEPA.

H. Decade of action for road safety 2011-2020

Documentation: Informal document WP.29-153-03

41. GRE noted WP.29-153-03, on the Decade of Action for Road Safety 2011 – 2010 (see ECE/TRANS/WP.29/1089, para. 85) and how WP.29's leading role on the matter of vehicle safety.

I. Development of an international whole vehicle type approval (IWVTA)

42. GRE agreed to defer discussion on this subject to its October 2011 session.

XVI. Direction for future GRE work (agenda item 15)

A. Work tasks of GRE

43. The Chair of GRE informed the group about the WP.29/AC.2 decision to not give responsibility of Regulations Nos. 60 and 121 to GRE.

B. Work progress of Working Party "Brussels 1952" task forces

Documentation: Informal documents GRE-65-12, GRE-65-35, GRE-65-36, GRE-65-37, GRE-65-38, GRE-65-39, GRE-65-40, GRE-65-41 and GRE-65-42

44. As agreed at its October 2010 session, the experts from GTB gave presentations about the programme of work of the task forces of GTB (GRE-65-12, GRE-65-35, GRE-65-36, GRE-65-37, GRE-65-38, GRE-65-39, GRE-65-40, GRE-65-41 and GRE-65-42).

XVII. Provisional agenda for the next session (agenda item 16)

45. GRE did not consider the provisional agenda for the sixty-sixth session of GRE, and noted that the session had been re-scheduled to 4 to 6 October 2011 instead of 3 to 5 October 2011. In the mean time it was agreed that the Chair, with the secretariat, would propose a draft agenda. GRE noted that the deadline for submission of official documents to the UNECE secretariat was 8 July 2011, twelve weeks prior to the session.

Annexes

Annex I

List of informal documents (GRE-65-...) distributed without an official symbol during the session

<i>No.</i>	<i>Transmitted by</i>	<i>Agenda item</i>	<i>Language</i>	<i>Title</i>	<i>Follow-up</i>
01	Japan	4(b)	E	Proposal for Corrigendum 2 to the 05 series amendment to Regulation No. 48 (Installation of lighting and light-signalling devices)	(c)
02	Japan	14(c)	E	Proposal for Corrigendum 1 to Supplement 19 to the 01 series amendment to Regulation No. 6 (Direction indicators)	(d)
03	GTB	5(d)	E	GTB Comments relating to documents ECE/TRANS/WP.29/GRE/2011/02, ECE/TRANS/WP.29/GRE/2011/22 and ECE/TRANS/WP.29/GRE/2011/27	(c)
04	China	14(d)	E	Proposal for revising paragraph 2.2.1 of Annex 6 to Regulation No. 112 (Headlamps emitting an asymmetrical passing beam)	(b)
05	IEC	3	E	Comments to ECE/TRANS/WP.29/GRE/2011/18, proposal for Supplement 38 to the 03 series of amendments to Regulation No. 37 (Filament lamps)	(d)
06	IMMA	5(j)	E	Proposal for Amendment to Regulation No. 53 (Installation of lighting and light-signalling devices on category L3 vehicles) for introducing bend lighting	(c)
07	IMMA	5(j)	E	Proposal for Amendment to Regulation No. 113 (Headlamps emitting a symmetrical beam) for introducing additional light source and additional light unit	(c)
08	United Kingdom	4(a)	E	Seeking views on Paragraph 6.21.4 of Regulation No. 48 (Installation of lighting and light-signalling devices)	(c)
09	GTB	14(f)	E	Proposal for Corrigendum 2 to the 04 series of amendments to Regulation No. 19 (Front fog lamps)	(d)

<i>No.</i>	<i>Transmitted by</i>	<i>Agenda item</i>	<i>Language</i>	<i>Title</i>	<i>Follow-up</i>
10	Secretariat	4(c)	E	Proposal for Supplement 1 to the 05 Series of Regulation No. 48 (Installation of lighting and light-signalling devices)	(c)
11	Czech Republic	14(g)	E	Proposal for Corrigendum 1 to Rev.1 of Regulation No. 70 (Rear marking plates for heavy and long vehicles)	(c)
12	GTB	15(b)	E	Work progress of Working Party "Brussels 1952" (GTB) Working Groups and Taskforces	(c)
13/ Rev.1	Poland	5(d)	E	Proposal for Supplement 1 to the 05 series of amendments to Regulation No. 48 (installation of lighting and light-signalling devices)	(b)
14	Germany	12	E	Proposal of amendment to ECE/TRANS/WP.29/GRE/2011/5	(b)
15	Secretariat	14(b)	E	The SARTRE Project	(c)
16	OICA	5(d)	E	OICA comments on ECE/TRANS/WP.29/GRE/2011/02 and ECE/TRANS/WP.29/GRE/2011/27 on Automatic Headlamp Levelling	(c)
17	GTB	5(d)	E	Automatic Static Headlamp Levelling - implications of mandatory fitment to all vehicles: the way forward	(c)
18	OICA	4(b)	E	OICA comments to GRE-65-01 (Proposal for Corrigendum 2 to the 05 series amendment to Regulation	(d)
19	France	8	E	Draft Corrigendum 1 to the 04 series of amendments to Regulation No. 10 (EMC)	(d)
20	Secretariat	1	E	Modified provisional agenda for the sixty-fifth session	(c)
21	GTB	10	E	Proposal to correct ECE/TRANS/WP.29/GRE/2011/28	(d)
22	GTB	4(d)	E	Clarification for the choice of the value of 100 m in para. 6.1.9.3.1.2. of Regulation No. 48 (installation of lighting and light-signalling)	(c)
23/ Rev.1	OICA	5(f)	E	Comments to ECE/TRANS/WP.29/GRE/2011/29	(b)
24/ Rev.1	OICA	5(f)	E	Comments to ECE/TRANS/WP.29/GRE/2011/30 (provisions for manoeuvring lamps)	(c)

<i>No.</i>	<i>Transmitted by</i>	<i>Agenda item</i>	<i>Language</i>	<i>Title</i>	<i>Follow-up</i>
25	OICA	5(f)	E	Comments to ECE/TRANS/WP.29/GRE/2011/30 (modifications regarding exterior courtesy lamps)	(c)
26	OICA	5(g)	E	Comments on ECE/TRANS/WP.29/GRE/2011/20	(d)
27	Germany	14(f)	E	Proposal of Corrigendum 6 to the 03 series of amendments to Regulation No. 19	(d)
28	OICA	4(a)	E	OICA response to GRE-65-08	(c)
29	China	14(d)	E	Justification to GRE-65-04	(c)
30	Poland	5(d)	E	Analysis of the influence of aiming, on visibility distance and glare	(c)
31	Germany	5(f)	E	Angular specifications for courtesy and manoeuvring lamps to ECE/TRANS/WP.29/GRE/2011/29	(c)
32	IMMA	5(j)	E	Additional light source type headlamp	(c)
33	GTB	5(g)	E	Background related to ECE/TRANS/WP.29/GRE/2011/20 and ECE/TRANS/WP.29/GRE/2011/21	(c)
34	Secretariat	14(e)	E	Proposal for guidelines on the scope, administrative provisions and alternative requirements in Regulations annexed to the 1958 Agreement	(c)
35	GTB	15(b)	E	GTB Organisation	(c)
36	GTB	15(b)	E	Automotive Front Lighting	(c)
37	GTB	15(b)	E	GTB Working Group Signal Lighting	(c)
38	GTB	15(b)	E	GTB Working Group Light Sources	(c)
39	GTB	15(b)	E	Voltage control gear task force	(c)
40	GTB	15(b)	E	Installation Working Group	(c)
41	GTB	15(b)	E	Presentation of Working Group Photometry	(c)
42	GTB	15(b)	E	Presentation of the GTB Working Group "Safety and Visual Performance	(c)
Consideration of informal documents from the previous GRE sessions (referring to the agenda item of the current GRE session)					
63-27	Canada	6		Horizontal Reference [Regulation]	(c)

64-30	IEC	5(d)	E	Proposal to correct ECE/TRANS/WP.29/GRE/2010/53	(c)
64-57	Germany	5(d)	E	Proposal for Amendments to Regulation No. 48	(c)

Notes:

- (a) Continue consideration at the next GRE session as an informal document
- (b) Continue consideration at the next GRE session as an official document
- (c) Consideration completed or to be superseded
- (d) Adopted and to be submitted to WP.29

Annex II

Amendments to Regulation No. 37

Amendments adopted to ECE/TRANS/WP.29/GRE/2011/18 and ECE/TRANS/WP.29/GRE/2011/18/Corr.1 (see para. 5 of the report)

Paragraphs 8.3. and 8.4., the tables shall be deleted and amend to read:

"8.3. No filament lamps of the categories **or of the types within the categories** listed below shall be used in lamps submitted for type approval after the period following the entry into force of the Supplements to 03 Series of amendment, as indicated for each category in the table ~~below of group 3 in Annex 1.~~

8.4. However, Contracting Parties applying this Regulation may continue to grant approvals for lamps in which filament lamps of categories **or of types within categories** listed below are used, provided that these lamps are intended as replacement parts for installation on vehicles in use, for the period after entry into force of the Supplements to 03 Series of amendment as indicated ~~below in the table of group 3 in Annex 1.~~"

...

Annex 1, the list of categories of filament lamps and their sheets, amend to read:

"...

Group 1

Without general restrictions:

<u>Category</u>		<u>Sheet number(s)</u>
H1	*6	H1/1 to 3
...
PX24W	*2	P24W/1 to 3
S2	*6	S1/S2/1 to 2

...

Group 3

For replacement purposes only (see transitional provisions of paragraphs 8.3. and 8.4.):

<u>Category</u>		<u>Sheet number(s)</u>	<i>As specified by transitional provisions in paragraph 8.3</i>		<i>As specified by transitional provisions in paragraph 8.4</i>	
			<i>Supplement</i>	<i>Period</i>	<i>Supplement</i>	<i>Period</i>
C5W	*7, *8	C5W/1	38	12 months	38	unlimited
C21W	*8	C21W/1 to 2	28	12 months	28	unlimited
H1	*7	H1/1 to 3	38	12 months	38	unlimited
H3	*7	H3/1 to 4	38	12 months	38	unlimited
H14		H14/1 to 4	38	12 months	38	unlimited
HS1	*7	HS1/1 to 5	38	12 months	38	unlimited

HS2	* ⁷	HS2/1 to 3	38	12 months	38	unlimited
P19W	* ⁸	P19W/1 to 3	37	60 months	37	unlimited
P21W	* ⁷ , * ⁸	P21W/1 to 2	38	12 months	38	unlimited
P21/5W	* ⁷ , * ⁸	P21/5W/1 to 3	38	12 months	38	unlimited
PC16W	* ⁸	PC16W/1 to 3	37	60 months	37	unlimited
PCR16W	* ⁸	PC16W/1 to 3	37	12 months	37	unlimited
PCY16W	* ⁸	PC16W/1 to 3	37	60 months	37	unlimited
PR19W	* ⁸	P19W/1 to 3	37	12 months	37	unlimited
PR24W	* ⁸	P24W/1 to 3	37	12 months	37	unlimited
PSR19W	* ⁸	P19W/1 to 3	37	12 months	37	unlimited
PSR24W	* ⁸	P24W/1 to 3	37	12 months	37	unlimited
PY19W	* ⁸	P19W/1 to 3	37	60 months	37	unlimited
R2		R2/1 to 3	28	12 months	28	unlimited
R5W	* ⁷ , * ⁸	R5W/1	38	12 months	38	unlimited
R10W	* ⁷ , * ⁸	R10W/1	38	12 months	38	unlimited
RR5W	* ⁷ , * ⁸	R5W/1	38	12 months	38	unlimited
RR10W	* ⁷ , * ⁸	R10W/1	38	12 months	38	unlimited
RY10W	* ⁷ , * ⁸	R10W/1	38	12 months	38	unlimited
S1		S1/S2/1 to 2	28	12 months	28	unlimited
S2	* ⁷	S1/S2/1 to 2	38	12 months	38	unlimited
S3		S3/1	38	12 months	38	unlimited
T4W	* ⁷ , * ⁸	T4W/1	38	12 months	38	unlimited
W3W	* ⁷ , * ⁸	W3W/1	38	12 months	38	unlimited
W5W	* ⁷ , * ⁸	W5W/1	38	12 months	38	unlimited
W10W	* ⁷ , * ⁸	W10W/1	38	12 months	38	unlimited
WY10W	* ⁷ , * ⁸	W10W/1	38	12 months	38	unlimited

...

*⁷ 6 V types only*⁸ Only for use in signalling lamps, cornering lamps, reversing lamps and rear registration plate lamps."

Annex III

Amendments to Regulation No. 48

Amendments adopted to ECE/TRANS/WP.29/GRE/2011/25 (see para. 9 of the report)

Paragraph 6.9.8., correct to read:

"6.9.8. ... with the front position lamps.
This requirement does not apply when light signalling system operates according to paragraph 6.2.7.6.2."

Paragraph 6.10.8., correct to read:

"6.10.8. ... It shall be combined with that of the front position lamps.
This requirement does not apply when light signalling system operates according to paragraph 6.2.7.6.2."

Adopted on the basis of GRE-65-18 (see para. 9 of the report)

Paragraph 12.25., shall be deleted

Paragraph 12.26.(former), renumber as paragraph 12.25. and amend to read:

"12.25. Existing approvals **granted** under this Regulation before the date of entry into force of the 05 series of amendment to this Regulation shall remain valid **and Contracting Parties applying this Regulation shall continue to accept them.**"

Annex IV

Amendments to Regulation Nos. 19, 48, 98, 99, 113 and 123

Amendments adopted to ECE/TRANS/WP.29/2010/107 (see para. 16 of the report)

Paragraph 2.7.27., correct to read:

"2.7.27. **"Objective luminous flux"** means:

(a) **In the case of a light source:**

The value of the objective luminous flux, not including any tolerances, as indicated in the relevant data sheet of the applicable light source Regulation according to which the light source is approved;

(b) **In the case of an LED module:**

The value of the objective luminous flux as indicated in the technical specification submitted with the LED module for approval of the lamp of which the LED module is a part;"

Paragraph 6.2.9., amend to read:

"6.2.9. *Other requirements*

The requirements of paragraph 5.5.2. shall not apply to dipped-beam headlamps.

...

- (b) with a light source producing the principal dipped beam and having an objective luminous flux which exceeds 2,000 lumen.

In the case of filament lamps for which more than one test voltage is specified, the objective luminous flux which produces the principal dipped beam, as indicated in the communication form for the type approval of the device, is applied.

In the case of dipped-beam headlamps equipped with an approved light source, ...

Only dipped-beam headlamps according to Regulation Nos. 98 or 112 may be used to produce bend lighting."

Amendments adopted to ECE/TRANS/WP.29/2011/27 (see para. 17 of the report)

...

Insert new paragraphs 12.27. to 12.29., to read:

"12.27. As from **90 months after the official date of entry into force of the [06] series of amendments, for all M and N vehicle categories**, Contracting Parties applying this Regulation shall grant approvals only if the vehicle type to be approved meets the requirements of this Regulation as amended by the [06] series of amendments.

12.28. Until **90 months after the official date of entry into force of the [06] series of amendments, for all M and N vehicle categories**, Contracting Parties ... Regulation as amended by the preceding series of amendments.

12.29. Approvals granted under this Regulation, **for all M and N vehicle categories**, before **90 months** after the official date of entry into force of the [06] series ... Regulation thereof."

...

Annex V

Amendments to Regulation Nos. 48 and 112

Amendments adopted to ECE/TRANS/WP.29/GRE/2011/20
(see para. 22 of the report)

...

Paragraph 5.23., amend to read:

"5.23. Lamps approved with light source(s) according to Regulation No. 37 ~~and/or~~
~~according to Regulation No. XXX~~ shall be fitted in a vehicle in such a way
that the light source can be correctly replaced without..."

...

Annex VI

Amendments to Regulation No. 10

Adopted on the basis of GRE-65-19 (see para. 28 of the report)

Paragraph 6.8.1., correct to read:

"6.8.1. Method of testing

The immunity of ESA representative of its type shall be tested by the method(s) according to ISO 7637-2 (second edition 2004 ~~and Amd1:2008~~) as described in Annex 10 with the test levels given in table 1.

..."

Paragraph 6.9.1., correct to read:

"6.9.1. Method of testing

The emission of ESA representative of its type shall be tested by the method(s) according to ISO 7637-2 (second edition 2004 ~~and Amd1:2008~~) as described in Annex 10 for the levels given in table 2."

Appendix 1

Items 4 and 5, correct to read:

"4. ISO 7637-1 "Road vehicles - Electrical disturbance from conduction and coupling - Part 1: Definitions and general considerations", second edition 2002 ~~and Amd1:2008~~.

5. ISO 7637-2 "Road vehicles - Electrical disturbance from conduction and coupling - Part 2: Electrical transient conduction along supply lines only on vehicles with nominal 12 V or 24 V supply voltage", second edition 2004 ~~and Amd1:2008~~."

Annex VII

Amendments to Regulation No. 99

Amendments adopted to ECE/TRANS/WP.29/2011/28
(see para. 30 of the report)

Annex 1, list of categories of gas-discharge light sources and their sheet numbers, amend to read:

"

<i>Light source category</i>	<i>Sheet numbers</i>
...	...
D8S	D8S/1 to 5

"

Annex 1, list of sheets for gas-discharge light sources and their sequence in this annex, amend to read:

"

<i>Sheet numbers</i>
...
D8S/1 to 5

"

Insert new sheets D8S/1 to 5 after D6S/5, to read:

"

CATEGORY D8S

Sheet D8S/1

The drawings are intended only to illustrate the essential dimensions (in mm)

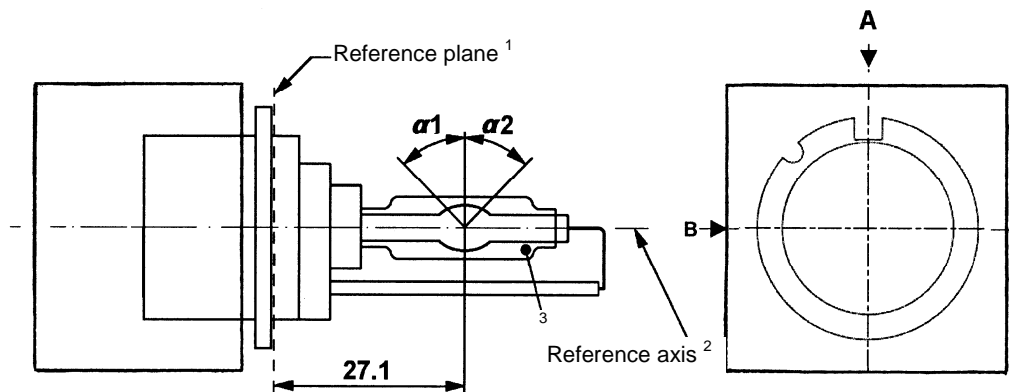


Figure 1
Category D8S - Cap PK32d-1

¹ The reference plane is defined by the positions on the surface of the holder on which the three supporting bosses of the cap ring will rest.

² See sheet **D8S/2**.

...

CATEGORY D8S

Sheet D8S/2

Figure 2
Definition of reference axis ¹

...

CATEGORY D8S

Sheet D8S/3

<i>Dimensions</i>	<i>Production light sources</i>	<i>Standard light sources</i>
Position of the electrodes	Sheet D8S/4	
Position and form of the arc	Sheet D8S/5	
α_1, α_2 ¹	55° min.	55° min.
D8S: Cap PK32d-1 in accordance with IEC Publication 60061 (sheet 7004-111-[4])		
ELECTRICAL AND PHOTOMETRIC CHARACTERISTICS		
...

...

CATEGORY D8S

Sheet D8S/4

Position of the electrodes

This test is used to determine whether the electrodes are correctly positioned relative to the reference axis and the reference plane.

...

CATEGORY D8S

Sheet D8S/5

Position and form of the arc

..."

Annex VIII

Amendments to Regulation No. 6

Adopted on the basis of GRE-65-02 (see para. 36 of the report)

Paragraph 6.1.2., correct to read:

- "6.1.2. When an assembly of two or more lamps having the same function is deemed to be a single lamp, it shall comply with the requirements for:
- (a) Maximum intensity when all lamps together are lit (~~last column of the table~~);
 - (b) Minimum intensity if one lamp has failed."

Annex IX

Amendments to Regulation No. 19

Adopted on the basis of GRE-65-09 (see para. 39 of the report)

Paragraph 14., correct to read, and renumber paragraphs as follows:

- "14. Transitional provisions
- 14.1. In the case of Class B front fog lamps:
 - 14.1.1. From **9 December 2010**, no Contracting Party applying it shall refuse to grant approvals under this Regulation as amended by the ~~02 or 03~~ **04** series of amendments. Existing approvals and extensions of these approvals **granted according to the 02 and 03 series of amendments** remain valid indefinitely.
 - 14.1.2** As from **11 July 2011**, Contracting Parties applying this Regulation shall grant approvals for a new type of front fog lamp only if front fog lamps meet the requirements of Class F3 of this Regulation as amended by the **03 or 04** series of amendments.
 - 14.1.3.** Contracting Parties applying this Regulation may prohibit the fitting of devices, which do not meet the requirements of the 03 or 04 series of amendments to this Regulation:
 - 14.1.3.1.** On vehicles for which type approval or individual approval is granted after **11 July 2011**.
 - 14.1.3.2.** On vehicles first registered after **11 July 2013**.
 - 14.1.4.** As from **11 July 2013**, Contracting Parties applying this Regulation shall refuse to grant any extensions of approvals if the front fog lamps do not meet the requirements of Class F3 of this Regulation as amended by the **03 or 04** series of amendments.
 - 14.1.4.1.** Contracting Parties applying this Regulation shall continue to issue approvals for front fog lamps on the basis of the 03 series and the 02 series of amendments to this Regulation, provided that the fog lamps are intended as replacements for fitting to vehicles in use.
- 14.2. In the case of Class F3 front fog lamps:
 - 14.2.1. From, **9 December 2010** no Contracting Party applying it shall refuse to grant approvals, under this Regulation as amended by the 04 series of amendments. Existing approvals and extensions of these approvals **granted according to the 03 series of amendments** remain valid indefinitely.
 - 14.2.2. Until **9 December 2015** with regard to the changes introduced by the 04 series of amendments concerning the photometric testing at reference luminous flux at approximately 13.2 volts, and in order to allow the Technical Services to update their testing equipment, no Contracting Party applying this Regulation shall refuse to grant approvals under this Regulation as amended by the 04 series of amendments where existing testing equipment is used with suitable

conversion of the values, to the satisfaction of the authority responsible for type approval.

- 14.2.3. **From 9 December 2015**, Contracting Parties applying this Regulation shall grant approvals only if Class F3 front fog lamps meet the requirements of this Regulation as amended by the 04 series of amendments."

Adopted on the basis of GRE-65-27 (see para. 39 of the report)

Paragraph 6.4.3., amend to read:

"6.4.3. Photometric requirements

When so adjusted, the front fog lamp shall meet the photometric requirements in the table below (refer also to Annex 4, paragraph 2.2. of this Regulation):

<i>Designated lines or zones</i>	<i>Horizontal position</i>		<i>Luminous intensity (in cd)</i>	<i>To comply</i>
	<i>Vertical position */ above h + below h -</i>	<i>*/ left of v: - right of v: +</i>		
Point 1, 2 **	+ 60°	± 45°		
Point 3, 4 **	+ 40°	± 30°		
Point 5, 6 **	+ 30°	± 60°		
Point 7, 10 **	+ 20°	± 40°		
Point 8, 9 **	+ 20°	± 15°	60 max	All points
Line 1 **	+ 8°	- 26° to + 26°	90 max	All line
Line 2 **	+ 4°	- 26° to + 26°	105 max	All line
Line 3	+ 2°	- 26° to + 26°	170 max	All line
Line 4	+ 1°	- 26° to + 26°	250 max	All line
Line 5	0°	- 10° to + 10°	340 max	All line
Line 6 ***		5° inwards to 10° outwards - 2.5° - 10° to + 10°	2,000 min	All line
Line 7 ***		5° inwards to 10° outwards - 6.0° - 10° to + 10°	< 50 per cent of max. on line 6	All line
Line 8L and R ***	-1.5° to - 3.5°	- 22° and + 22°	800 min	One or more points
Line 9L and R ***	-1.5° to - 4.5°	- 35° and + 35°	320 min	One or more points
Zone D ***	- 1.5° to - 3.5°	- 10° to + 10°	8,400 max	Whole zone

* The co-ordinates are specified in degrees for an angular web with a vertical polar axis.

** See paragraph 6.4.3.4.

*** See paragraph 6.4.3.2.

"

Paragraph 6.4.3.2., amend to read:

"6.4.3.2. At the request of the applicant, two front fog lamps constituting a matched pair corresponding to paragraph 4.2.2.5. may be tested separately. In this case the specified requirements for lines 6, 7, 8, 9 and the Zone D in the table in paragraph 6.4.3. apply to half the sum of readings of the right-hand and left-hand side front fog lamp. However each of the two front fog lamps shall meet at least 50 per cent of the minimum value required for line 6. **Additionally, each of the two front fog lamps that constitute the matched pair corresponding to paragraph 4.2.2.5. are only required to meet the requirements of line 6 and line 7 from 5° inwards to 10° outwards.**"

Annex X**GRE informal groups**

Informal group	Chair	Secretary
New Regulation for light-signalling devices	Mr. C. Pichon (France) Tel: +33 1 69801756 Fax : +33 1 69801707 Email : christian.pichon@utac.com	GTB
