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

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I. Attendance

1. The Working Party on Lighting and Light-Signalling (GRE) held its sixty-fourth session from 4 to 7 October 2010 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; France; Germany; Hungary; India; Italy; Japan; Luxembourg; Netherlands; Poland; Republic of Korea; Russian Federation; South Africa; 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/2010/23,
ECE/TRANS/WP.29/GRE/2010/23/Corr.1,
ECE/TRANS/WP.29/GRE/2010/23/Add.1,
Informal document No. GRE-64-46/Rev.1

3. GRE noted GRE-64-46/Rev.1 regarding the inclusion of all informal documents and new items in the provisional agenda. GRE agreed to insert new agenda items 3(c), 3(d), 3(e), 4(e), 4(f), 10(c), 21(g), 21(h), 21(i), 21(j), 21(k), 21(l) and 24 and adopted the agenda proposed for the sixty-fourth session (ECE/TRANS/WP.29/GRE/2010/23 amended by ECE/TRANS/WP.29/GRE/2010/23/Corr.1 and ECE/TRANS/WP.29/GRE/2010/23/Add.1, and GRE-64-46/Rev.1).

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

4. The Chair of GRE solicited new proposals on this subject and GRE agreed to defer the discussion to its March 2011 session.

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

A. Proposal for Supplement 37 to the 03 series of amendments (agenda item 3(a))

Documentation: ECE/TRANS/WP.29/GRE/2010/35,
ECE/TRANS/WP.29/GRE/2010/51,
Informal documents Nos. GRE-64-39 and GRE-64-58

5. GRE considered and adopted ECE/TRANS/WP.29/GRE/2010/51, not amended, ECE/TRANS/WP.29/GRE/2010/35 (amended by GRE-64-58) as amended by Annex II

and GRE-64-39 as reproduced in Annex II of this report. The secretariat was requested to submit the proposals to WP.29 and the Administrative Committee of the 1958 Agreement (AC.1) at their March 2011 sessions, as draft Supplement 37 to the 03 series of amendments.

B. Proposal for Corrigendum 2 to Supplement 35 to the 03 series of amendments (agenda item 3(b))

Documentation: ECE/TRANS/WP.29/GRE/2010/34

6. GRE adopted ECE/TRANS/WP.29/GRE/2010/34 not amended and requested the secretariat to submit it to WP.29 and AC.1 at their March 2011 sessions, as draft Corrigendum 2 to Supplement 35 to the 03 series of amendments.

C. Proposal for Corrigendum 2 to Supplement 34 to the 03 series of amendments (agenda item 3(c))

Documentation: Informal document No. GRE-64-28

7. GRE adopted GRE-64-28 as reproduced in Annex II of this report and requested the secretariat to submit it to WP.29 and AC.1 at their March 2011 sessions, as draft Corrigendum 2 to Supplement 34 to the 03 series of amendments.

D. Proposal for Corrigendum 1 to Supplement 36 to the 03 series of amendments (agenda item 3(d))

Documentation: Informal document No. GRE-64-29

8. GRE adopted GRE-64-29 as reproduced in Annex II of this report and requested the secretariat to submit it to WP.29 and AC.1 at their March 2011 sessions, as draft Corrigendum 1 to Supplement 36 to the 03 series of amendments.

E. Proposal for Corrigendum 2 to Revision 5 (agenda item 3(e))

Documentation: Informal document No. GRE-64-31

9. GRE did not support GRE-64-31.

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

A. Proposal for Supplement 7 to the 04 series of amendments (agenda item 4(a))

Documentation: ECE/TRANS/WP.29/GRE/2010/37,
ECE/TRANS/WP.29/GRE/2010/52
Informal documents Nos. GRE-64-22, GRE-64-44/Rev.1

10. GRE adopted ECE/TRANS/WP.29/GRE/2010/37 (amended by GRE-64-22) as amended by Annex III of this report and ECE/TRANS/WP.29/GRE/2010/52 not amended. The secretariat was requested to submit both proposals to WP.29 and AC.1 at their

March 2011 sessions, as draft Supplement 7 to the 04 series of amendments. Finally, GRE agreed to resume discussion on GRE-64-44/Rev.1 at its March 2011 session on the basis of a revised proposal voluntarily prepared by the expert from OICA.

B. Proposal for Corrigendum 2 to Supplement 2 to the 04 series of amendments (agenda item 4(b))

11. GRE agreed to remove this item from the agenda of the next meeting.

C. Proposal for Corrigendum 4 to Revision 6 (agenda item 4(c))

Documentation: ECE/TRANS/WP.29/GRE/2010/24

12. The expert from France withdrew ECE/TRANS/WP.29/GRE/2010/24.

D. Proposal for Corrigendum 1 to the 05 series of amendments (agenda item 4(d))

Documentation: ECE/TRANS/WP.29/GRE/2010/55,
ECE/TRANS/WP.29/GRE/2010/56

13. GRE adopted ECE/TRANS/WP.29/GRE/2010/55, not amended, and requested the secretariat to submit the proposals to WP.29 and AC.1 at their March 2011 sessions, as draft Corrigendum 1 to the 05 series of amendments.

E. Proposal for Supplement 1 to the 05 series of amendments (agenda item 4(e))

Documentation: Informal documents Nos. GRE-64-13 and GRE-64-52

14. GRE considered GRE-64-13 and agreed to resume discussion on this agenda item at its March 2011 session on the basis of a revised proposal, taking also into account GRE-64-52.

F. Proposal for Corrigendum 1 to Supplement 5 to the 04 series of amendments (agenda item 4(f))

Documentation: Informal document No. GRE-64-14

15. GRE considered and adopted GRE-64-14 as reproduced in Annex III of this report. The secretariat was requested to submit the proposals to WP.29 and AC.1 at their March 2011 sessions as draft Corrigendum 1 to Supplement 5 to the 04 series of amendments and as draft Corrigendum 4 to Revision 6.

VI. Collective amendments (agenda item 5)

A. Simplification of the approval markings (agenda item 5(a))

16. The expert from GTB reported that his organization actively participates in the work of the informal group on electronic database for the exchange of type approval

documentation (DETA). GRE noted that the report of the eighth session of DETA was available at: <http://www.unece.org/trans/main/wp29/wp29wgs/wp29gen/gen deta09.html>

B. Phantom light and colour washout phenomena in signalling and marking devices (agenda item 5(b))

17. GRE noted that a proposal would be introduced at its March 2011 session.

C. Regulations 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 (agenda item 5(c))

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

D. Regulations Nos. 48 and 123 (agenda item 5(d))

Documentation: ECE/TRANS/WP.29/GRE/2010/40,
ECE/TRANS/WP.29/GRE/2010/41,
ECE/TRANS/WP.29/GRE/2010/42,
ECE/TRANS/WP.29/GRE/2010/56
Informal documents Nos. GRE-64-01, GRE-64-23, GRE-64-25 and
GRE-64-48

19. Following the presentation made by the expert from GTB (GRE-64-01), GRE adopted ECE/TRANS/WP.29/GRE/2010/40 (amended by GRE-64-25) and ECE/TRANS/WP.29/GRE/2010/41 (amended by GRE-64-23) both as amended by Annex IV of this report and requested the secretariat to submit the proposals to WP.29 and AC.1, at their March 2011 sessions as part of (see paragraph 10) draft Supplement 7 to the 04 series of amendments to Regulation No. 48. However, regarding para. 6.1.9.3.1.2. of ECE/TRANS/WP.29/GRE/2010/41, GRE invited the expert from GTB to provide further clarification for the choice of the value of 100 m for the March 2011 session of GRE. It was also adopted ECE/TRANS/WP.29/GRE/2010/42 as amended by Annex IV, of this report and requested the secretariat to submit it to WP.29 and AC.1, at their March 2011 sessions as draft Supplement 1 to the 01 series of amendments to Regulation No. 123. Moreover, GRE adopted ECE/TRANS/WP.29/GRE/2010/56, not amended, as part of (see para. 13) draft Corrigendum 1 to the 05 series of amendments to Regulation No. 48 and requested the secretariat to submit it to WP.29 and AC.1, at their March 2011 sessions. Finally, GRE did not support GRE-64-48.

E. Regulations Nos. 19, 48, 98, 113 and 123 (agenda item 5(e))

Documentation: ECE/TRANS/WP.29/GRE/2010/27,
Informal document No. GRE-64-57

20. The expert from GTB renewed invitation to GRE experts to participate in the task force of GTB to finalize a road map to be submitted at the March 2011 session of GRE, regarding new requirements for automatic levelling. GRE supported in principle ECE/TRANS/WP.29/GRE/2010/27. However, it was agreed to resume discussion on this proposal and on GRE-64-57 (discussed under agenda item 15). Finally GRE requested the secretariat to distribute GRE-64-57 with an official symbol at its March 2011 session.

F. Regulations Nos. 6, 7 and 48 (agenda item 5(f))

Documentation: ECE/TRANS/WP.29/GRE/2010/29,
ECE/TRANS/WP.29/GRE/2010/31,
ECE/TRANS/WP.29/GRE/2010/36,
Informal document No. GRE-64-24

21. The expert from GTB introduced GRE-64-24 to provide an overview of its proposals. GRE agreed to resume discussion at its March 2011 session on the basis of revised proposals. Accordingly, the expert from GTB withdrew ECE/TRANS/WP.29/GRE/2010/29, ECE/TRANS/WP.29/GRE/2010/31 and ECE/TRANS/WP.29/GRE/2010/36.

G. Regulations Nos. 48 and 91 (agenda item 5(g))

Documentation: ECE/TRANS/WP.29/GRE/2010/38,
ECE/TRANS/WP.29/GRE/2010/39

22. GRE did not support ECE/TRANS/WP.29/GRE/2010/38 nor ECE/TRANS/WP.29/GRE/2010/39.

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

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

23. The expert from France confirmed that he would chair the informal group on this subject, with the secretariat support of GTB, and that the work plan of his group would be provided at the next session of GRE to update ECE/TRANS/WP.29/GRE/2008/32.

VIII. Regulation No. 6 (Direction indicators) (agenda item 7)

Documentation: ECE/TRANS/WP.29/GRE/2010/28,
Informal document No. GRE-64-05

24. GRE adopted ECE/TRANS/WP.29/GRE/2010/28, not amended, and GRE-64-05 as reproduced in Annex V to this report. The secretariat was requested to submit to WP.29 and AC.1, at their March 2011 sessions ECE/TRANS/WP.29/GRE/2010/28, as draft Corrigendum 2 to Supplement 16 to the 01 series of amendments and GRE-64-05 as draft Corrigendum 3 to Supplement 18 to the 01 series of amendments.

IX. Regulation No. 7 (Front and rear position lamps, stop lamps and end-outline marker lamps) (agenda item 8)

Documentation: ECE/TRANS/WP.29/GRE/2010/30
Informal document No. GRE-64-43

25. GRE adopted ECE/TRANS/WP.29/GRE/2010/30, not amended, and GRE-64-43 as reproduced in Annex VI of this report. The secretariat was requested to submit to WP.29 and AC.1 at their March 2011 sessions, ECE/TRANS/WP.29/GRE/2010/30 as draft Corrigendum 1 to Supplement 15 to the 02 series of amendments and GRE-64-43 as draft Supplement 19 to the 02 series of amendments.

X. Regulation No. 10 (Electromagnetic Compatibility) (agenda item 9)

Documentation: ECE/TRANS/WP.29/GRE/2010/54
Informal documents Nos. GRE-64-34, GRE-64-49, GRE-64-50, GRE-64-51 and GRE-64-56

26. Following a presentation made by the expert from France (GRE-64-56) GRE adopted ECE/TRANS/WP.29/GRE/2010/54 (amended by GRE-64-34, GRE-64-49, GRE-64-50 and GRE-64-51) as amended by Annex VII of this report and agreed to establish a subgroup, lead jointly by the experts from France and Germany to develop amendments to Regulation No. 10 when needed. The secretariat was requested to submit the proposal to WP.29 and AC.1 at their March 2011 session, as draft 04 series of amendments.

XI. Regulation No. 19 (Front fog lamps) (agenda item 10)

A. Proposal for Corrigendum 1 to Revision 5 (agenda item 10(a))

Documentation: ECE/TRANS/WP.29/GRE/2010/32
Informal document No. GRE-64-36 and GRE-64-37

27. GRE adopted ECE/TRANS/WP.29/GRE/2010/32 (amended by GRE-64-36 and GRE-64-37) as amended by Annex VIII to this report. The secretariat was requested to submit the proposal to WP.29 and AC.1 at their March 2011 sessions, as draft Corrigendum 1 to Revision 5.

B. Proposal for Corrigendum 1 to the 04 series of amendments (agenda item 10(b))

Documentation: ECE/TRANS/WP.29/GRE/2010/33,
ECE/TRANS/WP.29/GRE/2010/57
Informal document No. GRE-64-18

28. GRE adopted ECE/TRANS/WP.29/GRE/2010/33 and ECE/TRANS/WP.29/GRE/2010/57 both not amended and GRE-64-18, as reproduced in Annex VIII of this report. The secretariat was requested to submit the proposals to WP.29 and AC.1 at their March 2011 sessions, as draft Corrigendum 1 to the 04 series of amendments.

**C. Proposal for Supplement 1 to the 04 series of amendments
(agenda item 10(c))**

Documentation: Informal document No. GRE-64-55

29. GRE considered and adopted GRE-64-55, as reproduced in Annex VIII of this report. The secretariat was requested to submit the proposal to WP.29 and AC.1 at their March 2011 sessions, as draft Supplement 1 to the 04 series of amendments.

XII. Regulation No. 38 (Rear-fog lamps) (agenda item 11)

30. GRE agreed to remove this item from the agenda of the next sessions.

XIII. Regulation No. 65 (Special warning lamps) (agenda item 12)

Documentation: ECE/TRANS/WP.29/GRE/2010/43

31. GRE did not support ECE/TRANS/WP.29/GRE/2010/43.

XIV. Regulation No. 87 (Daytime running lamps) (agenda item 13)

Documentation: Informal document No. GRE-64-41

32. GRE did not support GRE-64-41.

XV. Regulation No. 98 (Headlamp with gas-discharge light sources) (agenda item 14)

**A. Proposal for Corrigendum 1 to Supplement 13 to the Regulation
(agenda item 14(a))**

Documentation: ECE/TRANS/WP.29/GRE/2010/44,
Informal document No. GRE-64-38

33. GRE adopted ECE/TRANS/WP.29/GRE/2010/44 (amended by GRE-64-38), as amended in Annex IX of this report. The secretariat was requested to submit the proposal to WP.29 and AC.1 at their March 2011 sessions, as draft Supplement 1 to the 01 series of amendments.

**B. Proposal for Corrigendum 1 to the 01 series of amendments
(agenda item 14(b))**

Documentation: ECE/TRANS/WP.29/GRE/2010/45,
Informal documents Nos. GRE-64-11 and GRE-64-19

34. The expert from GTB introduced ECE/TRANS/WP.29/GRE/2010/45. The expert from the Netherlands expressed his strong concerns regarding to the proposed increase of intensity (maximum value at the 50L test point). However, GRE adopted the proposal not amended and requested the secretariat to submit the proposal to WP.29 and AC.1 at their March 2011 session, as part of (see para. 33) draft Supplement 1 to the 01 series of amendments. GRE also adopted GRE-64-19, as reproduced in Annex IX of this report and

requested the secretariat to submit the proposal to WP.29 and AC.1 at their March 2011 sessions, as draft Corrigendum 1 to the 01 series of amendments. Finally GRE did not support GRE-64-11.

XVI. Regulation No. 99 (Gas-discharge light sources) (agenda item 15)

Documentation: ECE/TRANS/WP.29/GRE/2010/53,
Informal documents Nos. GRE-64-30 and GRE-64-57

35. The expert from GTB introduced ECE/TRANS/WP.29/GRE/2010/53. As for agenda item 5(e) GRE agreed to resume discussion on this subject at its March 2011 session. Finally, GRE requested the secretariat to distribute GRE-64-30 with an official symbol at its March 2011 session.

XVII. Regulation No. 112 (Headlamps emitting an asymmetrical passing beam) (agenda item 16)

Documentation: ECE/TRANS/WP.29/GRE/2010/26,
Informal document No. GRE-64-12, GRE-64-17, GRE-64-20,
GRE-64-26 and GRE-64-42

36. The expert from France withdrew ECE/TRANS/WP.29/GRE/2010/26. GRE adopted GRE-64-12, GRE-64-20, GRE-64-26 and GRE-64-42 as reproduced in Annex X of this report and requested the secretariat to submit them to WP.29 and AC.1, at their March 2011 sessions as draft Corrigendum 1 to the 01 series of amendments. Moreover, GRE adopted GRE-64-17 as reproduced in Annex X of this report and requested the secretariat to submit it to WP.29 and AC.1, at their March 2011 sessions as draft Supplement 1 to the 01 series of amendments.

XVIII. Regulation No. 119 (Cornering lamps) (agenda item 17)

Documentation: ECE/TRANS/WP.29/GRE/2010/46,
Informal document No. GRE-64-15

37. GRE adopted ECE/TRANS/WP.29/GRE/2010/46 (amended by GRE-64-15), as amended by Annex XI of this report and requested the secretariat to submit it to WP.29 and AC.1, at their March 2011 sessions as draft Corrigendum 1 to Regulation No. 119.

XIX. Regulation No. 123 (Adaptive front-lighting systems) (agenda item 18)

A. Proposal for Supplement 1 to the 01 series of amendments (agenda item 18(a))

Documentation: ECE/TRANS/WP.29/GRE/2010/47,
ECE/TRANS/WP.29/GRE/2010/48,
ECE/TRANS/WP.29/GRE/2010/50,
Informal document No. GRE-64-16

38. GRE adopted ECE/TRANS/WP.29/GRE/2010/47 (not amended), ECE/TRANS/WP.29/GRE/2010/48 and ECE/TRANS/WP.29/GRE/2010/50 (amended by GRE-64-16) both as amended by Annex XII of this report. The secretariat was requested to submit the proposals to WP.29 and AC.1, at their March 2011 sessions as part of (see paragraph 19) draft Supplement 1 to the 01 series of amendments.

B. Proposal for Corrigendum 2 to the 01 series of amendments (agenda item 18(b))

Documentation: ECE/TRANS/WP.29/GRE/2010/49,
Informal document No. GRE-64-21

39. GRE adopted ECE/TRANS/WP.29/GRE/2010/49, not amended and GRE-64-21, as reproduced in Annex XII of this report. The secretariat was requested to submit the proposals to WP.29 and AC.1 at their March 2011 sessions, as draft Corrigendum 2 to the 01 series of amendments.

XX. Conspicuity of motorcycles (agenda item 19)

Documentation: ECE/TRANS/WP.29/GRE/2009/67,
ECE/TRANS/WP.29/GRE/2009/68
Informal documents Nos. GRE-64-02, GRE-64-03, GRE-64-53 and
GRE-64-54

40. The expert from IMMA informed GRE through GRE-64-02 and GRE-64-03 of his justification to the introduction of amber colour light for front position lamps to improve conspicuity of motorcycles. GRE adopted ECE/TRANS/WP.29/GRE/2009/67 (amended by GRE-64-53) as amended by Annex XIII of this report and requested the secretariat to submit the proposal to WP.29 and AC.1 at their March 2011 sessions, as draft Supplement 13 to the 01 series of amendments to Regulation No. 53. GRE also adopted ECE/TRANS/WP.29/GRE/2009/68 (amended by GRE-64-54) as amended by Annex XIII of this report and requested the secretariat to submit the proposal to WP.29 and AC.1 at their March 2011 sessions, as draft Supplement 15 to Regulation No. 50. However, GRE agreed that the option of the amber front position lamp would not be accepted for Regulation No. 48.

XXI. Regulation No. 53 (Installation of lighting and light-signalling devices for L₃ category vehicles) (agenda item 20)

Documentation: ECE/TRANS/WP.29/GRE/2010/25

41. GRE adopted ECE/TRANS/WP.29/GRE/2010/25, as amended by Annex XIV of this report. The secretariat was requested to submit the proposal to WP.29 and AC.1, at their March 2011 sessions as part of (see para. 40) draft Supplement 13 to the 01 series of amendments to Regulation No. 53.

XXII. Other business (agenda item 21)

A. Amendments to the Convention on Road Traffic (Vienna 1968) (agenda item 21(a))

Documentation: ECE/TRANS/WP.1/2009/2/Rev.1 and
ECE/TRANS/WP.1/2009/2/Rev.1/Corr.1
Informal documents Nos. GRE-64-07, GRE-64-08 and GRE-64-27

42. The Chair of the informal group on the Convention on Road Traffic, reported on the first meeting of his group (held during the lunch breaks of the session of GRE) regarding ECE/TRANS/WP.1/2009/2/Rev.1 and ECE/TRANS/WP.1/2009/2/Rev.1, GRE-64-07, GRE-64-08 and GRE-64-27. He announced that a revised proposal (VC1968-01-01) would be available on the website of the informal group. http://www.unece.org/trans/main/wp29/wp29wgs/wp29gre/infconvienna_1.html. GRE agreed to provide comments on VC1968-01-01 to the expert from Germany before 1 November 2010 in order to inform WP.29 at its November 2010 session and then final comments before 26 November 2010 in order to finalize an official proposal from GRE to WP.29, at its March 2011 session.

B. 1997 Agreement (inspections) – Development of draft rule No. 2 (agenda item 21(b))

Documentation: ECE/TRANS/WP.29/2009/135

43. The experts of GRE were requested to provide comments regarding ECE/TRANS/WP.29/2009/135 to the expert from Hungary before 26 November 2010 in order to finalize an official proposal of amendments of GRE to WP.29, at its March 2011 session.

C. Intelligent Transport Systems – Guidelines on establishing requirements for high-priority signals (agenda item 21(c))

Documentation: Informal documents Nos. WP.29-150-22, GRE-64-06, GRE-64-07 and GRE-64-09

44. The expert from OICA was requested to consolidate the comments received (GRE-64-06, GRE-64-07 and GRE-64-09) to WP.29-150-22 into an informal document (GRE-64-59 and GRE-64-59tc, made available to experts after the GRE session). GRE agreed to provide comments to the expert from OICA before 4 November 2010 in order to submit an official proposal from GRE to WP.29 at its March 2011 session. GRE also agreed in principle that the development of such systems should be either coordinated or taken over by the Intelligent Transport Systems (ITS) informal group of WP.29 or delegated to only one Working Party.

D. Revision of the Consolidated Resolution on the Construction of Vehicles (R.E.3.) (agenda item 21(d))

Documentation: ECE/TRANS/WP.29/2009/123,
ECE/TRANS/WP.29/2009/123/Corr.1,
ECE/TRANS/WP.29/2009/123/Corr.2,
ECE/TRANS/WP.29/2009/123/Corr.3,
ECE/TRANS/WP.29/2009/123/Corr.4,
ECE/TRANS/WP.29/2010/145
Informal document No. GRE-64-35

45. GRE agreed to delete Annexes 2 to 6 of ECE/TRANS/WP.29/2010/145 (superseding ECE/TRANS/WP.29/2009/123/Corr.1, ECE/TRANS/WP.29/2009/123/Corr.2, ECE/TRANS/WP.29/2009/123/Corr.3, ECE/TRANS/WP.29/2009/123/Corr.4), because their requirements would be more easily manageable in individual Regulations and dealt with in the horizontal Regulation for light-signalling devices. The expert from India withdrew GRE-64-35.

E. Development of an International Whole Type Approval (IWVTA) (agenda item 21(e))

Documentation: ECE/TRANS/WP.29/1083/Add.1

46. GRE took note of ECE/TRANS/WP.29/1083/Add.1 and of the work progress of the informal group on this subject (ECE/TRANS/WP.29/1085, para. 52).

F. World Forum for Harmonization of Vehicle Regulations (WP.29): Working Parties, informal groups and chairpersons (agenda item 21(f))

Documentation: Informal document No. WP.29-150-19/Rev.1

47. GRE requested the secretariat to update WP.29-150-19/Rev.1 for the inclusion of the two informal groups under its responsibility.

G. Regulation No. 113 (Headlamps emitting a symmetrical passing beam) (agenda item 21(g))

Documentation: Informal document: GRE-64-04

48. GRE adopted GRE-64-04 as reproduced in Annex XV to this report. The secretariat was requested to submit the proposal to WP.29 and AC.1 at their March 2011 sessions, as draft Corrigendum 1 to Supplement 9 to Regulation No. 113.

H. Regulation No. 70 (Rear-marking plates for heavy and long vehicles) (agenda item 21(h))

Documentation: Informal document: GRE-64-10

49. GRE adopted GRE-64-10 as reproduced in Annex XVI to this report. The secretariat was requested to submit the proposal to WP.29 and AC.1, at their March 2011 sessions as draft Corrigendum 1 to Supplement 7.

I. Regulation No. 38 (Rear fog lamps) (agenda item 21(i))

Documentation: Informal document No. GRE-64-32

50. GRE did not support GRE-64-32 and the expert from India withdrew it.

J. Regulation No. 50 (Position, stop, direction indicators for mopeds and motorcycles) (agenda item 21(j))

Documentation: Informal document No. GRE-64-33

51. GRE did not support GRE-64-33.

K. Regulation No. 104 (Retro-reflective markings) (agenda item 21(k))

Documentation: Informal document No. GRE-64-40/Rev.1

52. GRE requested the secretariat to distribute GRE-64-40/Rev.1 with an official symbol at its March 2011 session.

L. Regulation No. 23 (Reversing lamps) (agenda item 21(l))

Documentation: Informal documents Nos. GRE-64-45/Rev.1 and GRE-64-47

53. GRE considered GRE-64-45/Rev.1 and GRE-64-47 and agreed to resume discussion at its March 2011 session on the basis of revised proposals voluntarily prepared by the experts from OICA and Germany.

XXIII. Direction for future GRE work (agenda item 22)

54. The expert from GTB reported that his association could not become a permanent informal group of GRE in order to not compromise its independent status. He would inform GRE at its March 2011 session about the work progress of its task forces. Moreover, GRE agreed to inform WP.29/AC.2 at its November 2010 session on its intention to take the responsibility of Regulations Nos. 60 (Driver-operated control for motorcycles and mopeds) and 121 (Identification of controls, tell-tales and indicators) from the Working Party on General Safety Provisions (GRSG) and to change its official name to "Working Party on Lighting, Light-Signalling and Driver Visual Information".

XXIV. Election of officers (agenda item 23)

55. In compliance with Rule 37 of the Rules of Procedure (TRANS/WP.29/690 and Amend.1), GRE called for the election of officers. The representatives of the Contracting Parties, present and voting, re-elected unanimously Mr. M. Gorzkowski (Canada) as Chair of the GRE sessions scheduled for the year 2011.

XXV. Provisional agenda for the next session (agenda item 24)

56. GRE did not consider the provisional agenda for the sixty-fifth session of GRE, scheduled to be held from 28 to 31 March 2011. Instead it was agreed that the Chair, jointly with the secretariat, would propose a draft agenda. GRE noted that the deadline for submission of official documents to the UNECE secretariat was 31 December 2010, twelve weeks prior to the session.

Annexes

Annex I

List of informal documents (GRE-64-...) 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	GTB	5(d)	E	Proposal for Amendments to Regulations Nos. 48 and 123	(c)
02	IMMA	19	E	Justification for amber position lamps (APL)	(c)
03	IMMA	19	E	Justification for amber position lamps (APL)	(c)
04	Japan	21(g)	E	Proposal of Corrigendum 1 to Supplement 9 to Regulation No. 113	(d)
05	Japan	7	E	Proposal for Corrigendum 3 to Supplement 18 to the 01 series of amendments to Regulation No. 6	(d)
06	Canada	21(c)	E	Proposed GRE response to document WP.29-150-22	(c)
07	Canada	21(a)(c)	E	Design Principles for Advanced Driver Assistance Systems: Keeping Drivers In-the-Loop	(c)
08	Germany	21(a)	E	Proposal for amendments to the Convention on Road Traffic (Vienna 1968)	(c)
09	OICA	21(c)	E	OICA secretariat comments to document WP29-150-22	(c)
10	Japan	21(h)	E	Proposal for Corrigendum 1 to Supplement 7 to the 01 series of amendments Regulation No. 70	(d)
11	Japan	14(b)	E	Proposal for Corrigendum 1 to the 01 series of amendments of Regulation No. 98	(c)
12	Japan	16	E	Proposal for Corrigendum 1 to the 01 series of amendments of Regulation No. 112	(d)
13	Canada	4(e)	E	Proposal for Supplement 1 to the 05 series of amendments to Regulation No. 48	(c)
14	Netherlands & Canada	4(f)	E	Proposal for Corrigendum 1 to Supplement 5 to the 04 series of amendments to Regulation No. 48	(d)

<i>No.</i>	<i>Transmitted by</i>	<i>Agenda item</i>	<i>Language</i>	<i>Title</i>	<i>Follow-up</i>
15	GTB	17	E	Corrigendum of ECE/TRANS/WP.29/GRE/2010/46	(d)
16	GTB	18(a)	E	Proposal of Supplement 1 to Regulation No. 123	(d)
17	GTB	16	E	Proposal for Supplement 1 to the 01 series of Regulation No. 112	(d)
18	OICA	10(b)	E	Proposal for Corrigendum 1 to the 04 series of Regulation No. 19	(d)
19	GTB	14(b)	E	Proposal for draft Corrigendum 1 to the 01 series of Regulation No. 98	(d)
20	GTB	16	E	Proposal for draft Corrigendum 1 to the 01 series of Regulation No. 112	(d)
21	GTB	18(b)	E	Proposal for draft Corrigendum 2 to the 01 series of Regulation No. 123	(d)
22	GTB	4(a)	E	Correction of Error to ECE/TRANS/WP.29/GRE/2010/37	(d)
23	GTB	5(d)	E	Corrigendum to ECE/TRANS/WP.29/GRE/2010/41	(d)
24	GTB	5(f)	E	Proposal for amendments to Regulations Nos. 6, 7 and 4	(d)
25	GTB	5(d)	E	Corrigendum to ECE/TRANS/WP.29/GRE/2010/40	(d)
26	GTB	16	E	Draft Corrigendum 1 to Regulation No. 112	(d)
27	Small group of WP.1	21(a)	E	Proposal for a modification of the Vienna Convention	(c)
28	IEC	3(c)	E	Proposal for Corrigendum 2 to Supplement 34 to the 03 series of amendments to Regulation No. 37	(d)
29	IEC	3(d)	E	Proposal for Corrigendum 1 to Supplement 36 to the 03 series of amendments to Regulation No. 37	(d)
30	IEC	15	E	Corrigendum to ECE/TRANS/WP.29/GRE/2010/53	(b)
31	India	3(e)	E	Draft Corrigendum 2 to Revision 5 to Regulation No. 37	(c)
32	India	21(i)	E	Proposal for Supplement 16 to Regulation No. 38	(c)
33	India	21(j)	E	Proposal for Supplement 14 to Regulation No. 50	(c)
34	India	9	E	Comments on	(d)

<i>No.</i>	<i>Transmitted by</i>	<i>Agenda item</i>	<i>Language</i>	<i>Title</i>	<i>Follow-up</i>
				ECE /TRANS/WP.29/GRE/2010/54	
35	India	21(d)	E	Comments on ECE/TRANS/WP.29/2009/123, ECE/TRANS/WP.29/2009/123/Corr.1, ECE/TRANS/WP.29/2009/123/Corr.2, ECE/TRANS/WP.29/2009/123/Corr.3, ECE/TRANS/WP.29/2009/123/Corr.4	(c)
36	GTB	10(a)	E	Corrigendum of ECE/TRANS/WP.29/GRE/2010/32	(d)
37	Japan	10(a)	E	Corrigendum 1 to Revision 5 to Regulation No. 19	(d)
38	GTB	14(a)	E	Proposal for Supplement 1 to the 01 series of Regulation No. 98	(d)
39	IEC	3(a)	E	Proposal for Supplement 37 to the 03 series of amendments to Regulation No. 37	(d)
40/ Rev.1	CLEPA	21(k)	E	Proposal for Corrigendum 1 to Revision 1 to Regulation No. 104	(b)
41	Chair of GRE	13	E	Proposal for Supplement 16 to Regulation No. 87	(c)
42	GTB	16	E	Proposal for Corrigendum 1 to the 01 series of amendments to Regulation No. 112	(d)
43	Italy	8	E	Proposal for Supplement 19 to Regulation No. 7	(d)
44/ Rev.1	OICA	4(a)	E	Proposal for Supplement 7 to Regulation No. 48	(a)
45/ Rev.1	OICA	21(l)	E	Proposal for Supplement 18 to Regulation No. 23	(a)
46/ Rev.1	GRE Secretariat	1	E	Modified provisional agenda for the sixty- fourth session (4-7 October 2010)	(c)
47	Germany	21(l)	E	Proposal of amendments to Regulation No. 23 (Reversing lamps)	(a)
48	OICA	4(a)	E	Proposal for Supplement 7 the 04 series of amendments to Regulation No. 48	(c)
49	France	9	E	Supplement to the draft 04 series of amendments to Regulation No. 10	(d)
50	France and Germany	9	E	Supplement to the draft 04 series of amendments to Regulation No. 10	(d)
51	France	9	E	Supplement to the draft 04 series of amendments to Regulation No. 10	(d)

<i>No.</i>	<i>Transmitted by</i>	<i>Agenda item</i>	<i>Language</i>	<i>Title</i>	<i>Follow-up</i>
52	France	4(e)	E	Proposal for Corrigendum 1 to the 05 series of amendments to Regulation No. 48	(a)
53	IMMA	19	E	Proposal for revision of ECE/TRANS/WP.29/GRE/2009/67	(d)
54	IMMA	19	E	Proposal for revision of ECE/TRANS/WP.29/GRE/2009/68	(d)
55	GTB	4(a)	E	Proposal for Supplement 1 to the 04 Series of Regulation No. 19	(d)
56	France	9	E	Proposal for the 04 series of amendments to Regulation No. 10	(c)
57	Germany	15	E	Proposal for amendments to Regulation No. 48	(b)
58	Italy	3(a)	E	Editorial revision of ECE/TRANS/WP.29/GRE/2010/35	(d)

Consideration of informal documents from the previous GRE sessions (referring to the agenda item of the current GRE session)

61–32	Japan	19	E	Proposal for draft amendments to Regulation No. 53	(c)
61–35	India	19	E	India's comments on new proposal for Regulation No. 53 vide ECE/TRANS/WP.29/GRE/2009/5	(c)
63–20	GTB	5(d)	E	Adaptive driving beam -Status of work following 8th meeting held jointly with GRE experts on 25 February 2010	(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/2010/35 (see para. 5 of the report)

Paragraphs 8.3. and 8.4., amend to read:

“8.3. No filament lamps of **the categories listed below** shall be used in lamps **submitted for** type approval **after** the period **following** the entry into force of Supplements to 03 series of amendments, as indicated for each category in the table below:

...

8.4. However, Contracting Parties applying this Regulation may continue to grant approvals for lamps **in which** filament lamps of categories **listed below** are used, provided that these...for the period after entry into force of the Supplements to the 03 series of amendments as indicated below:

...”

...

Adopted on the basis of GRE-64-39 (see para. 5 of the report)

Insert a new paragraph 3.1.10., to read:

“3.1.10. **Filament light source (filament lamp): a light source where the element for visible radiation is one or more heated filaments producing thermal radiation.**”

Insert a new paragraph 3.2.3., to read:

“3.2.3. **The filament(s) as specified in the data sheet of the relevant category in Annex 1 shall be the only element(s) of the filament lamp that generate and emit light when energised.**”

Adopted on the basis of GRE-64-28 (see para. 7 of the report)

Annex 1, Sheet H16/3, correct to read:

“.....

....
Objective values	Watts	26 max.	26 max.
	Luminous flux	500 +10% / -15 %	
Reference luminous flux at approximately 12 V			370 lm
Reference luminous flux at approximately 13.2 V			500 lm
Reference luminous flux at approximately 13.5 V			550 lm

”

Annex 1, Sheet PSX26W/2, correct to read:

“.....

.....
Objective values	Wattage	W	26 max.
	Luminous flux	lm	500
		±	+10% / -10%
Reference luminous flux at approximately 12V			345 lm
Reference luminous flux at approximately 13.2V			465 lm
Reference luminous flux at approximately 13.5V			500 lm

”

Adopted on the basis of GRE-64-29 (see para. 8 of the report)

Annex 1, Sheet H16/3, correct to read:

“.....

.....
Objective values	Watts	26 max.	26 max.
	Luminous flux	500 +10% / -15 %	
Reference luminous flux: 370 lm at approximately 12 V			
Reference luminous flux: 500 lm at approximately 13.2 V			
Reference luminous flux: 550 lm at approximately 13.5 V			

”

Annex III

Amendments to Regulation No. 48

Amendments adopted to ECE/TRANS/WP.29/GRE/2010/37
(see para. 10 of the report)

...

Paragraph 6.3.6.1.2.1., correct to read:

“6.3.6.1.2.1. When ... flux **of the light source** does not exceed 2,000 lumens:”

Paragraph 6.3.6.1.2.2., correct to read:

“6.3.6.1.2.2. When ... flux **of the light source** exceeds 2,000 lumens:”

...

Adopted on the basis of GRE-64-14 as draft Corrigendum 1 to Supplement 5 to the 04 series of amendments (see para. 15 of the report)

Paragraph 5.18.1., amend to read:

“5.18.1. if at all fixed ...visibility, **colorimetric** and photometric requirements for those lamps.”

Paragraph 5.18.4., amend to read:

“5.18.4. ...
(a) ...visibility, **colorimetric** and photometric ... movable component.
or
(b) ... visibility, **colorimetric** and photometric ... movable component(s).”

Adopted on the basis of GRE-64-14 as draft Corrigendum 4 to Revision 6 (see para. 15 of the report)

Paragraph 5.21.1., amend to read:

“5.21.1. Additional lamps satisfying all the position, geometric visibility, **colorimetric** and”

Annex IV

Amendments to Regulations Nos. 48 and 123

Amendments adopted to ECE/TRANS/WP.29/GRE/2010/40 (see para. 19 of the report)

Paragraph 2.7.28.6., amend to read:

“2.7.28.6. ... maximum **condition** of activation, if any, is produced,...”

...

Paragraph 6.22.7.1.2., amend to read:

“6.22.7.1.2. The ... following inputs:

- (a) **ambient lighting conditions;**
- (b) **the light emitted by the front lighting devices and front light-signalling devices of oncoming vehicles;**
- (c) **the light emitted by the rear light-signalling of preceding vehicles.**

Additional sensor...”

...

Amendments adopted to ECE/TRANS/WP.29/GRE/2010/41 (see para. 19 of the report)

Paragraph 6.1.7.1., amend to read:

“6.1.7.1. The ..following inputs:

- (a) **ambient lighting conditions;**
- (b) **the light emitted by the front lighting devices and front light-signalling devices of oncoming vehicles;**
- (c) **the light emitted by the rear light-signalling of preceding vehicles.**

Additional sensor...”

...

Paragraph 6.1.9.3.4., amend to read:

“6.1.9.3.4. The control ...main-beam headlamps are switched ON automatically only when...”

...

Amendments adopted to ECE/TRANS/WP.29/GRE/2010/42 (see para. 19 of the report)

Paragraph 1.9., amend to read:

“1.9. ...maximum **condition** of activation is produced, and no AFS...”

...

Paragraph 2.2.2., subparagraph (m) shall be deleted.

...

Paragraph 6.3.6., amend to read:

“6.3.6. ... **condition** of activation.”

...

Annex 4, amend to read:

“...

The tests shall be carried out:

...

(c) In the ... an adaptation of the **driving-beam**, ... maximum **condition** if activated.

...”

Annex V

Amendments to Regulation No. 6

Adopted on the basis of GRE-64-05 (see para. 24 of the report)

Annex 1, amend to read:

“.....

Category 1b: for use ... than **or equal to** 20 mm from the dipped-beam...

.....”

Annex VI

Amendments to Regulation No. 7

Adopted on the basis of GRE-64-43
(see para. 25 of the report)

Paragraph 6.1.6., amend to read:

“6.1.6. When an assembly of two **independent lamps to be type approved as “D” lamps** having ... the requirements for:

...

(b) Minimum intensity if **either** lamp has failed.”

Annex VII

Amendments to Regulation No. 10

Amendments adopted to ECE/TRANS/WP.29/GRE/2010/54
(see para. 26 of the report)

*References to standards throughout the Regulation and
ECE/TRANS/WP.29/GRE/2010/54,*

CISPR 12 (Amendment 1, fifth edition 2005), amend to read:

“CISPR 12 (fifth edition 2001 and Amendment 1:2005)”

CISPR 16-1-2, amend to read:

“CISPR 16-1-2 (edition 1.2: 2006)”

CISPR 16-2-1, amend to read:

“CISPR 16-2-1 (edition 2.0 - 2008)”

CISPR 22, amend to read:

“CISPR 22 (edition 6.0 - 2008)”

CISPR 25, second edition, amend to read:

“CISPR 25, second edition 2002 and corrigendum 2004”

IEC 61000-3.2 (edition 3.2 - 2009), amend to read:

“IEC 61000-3-2 (edition 3.2 – 2005, Amendment 1: 2008 and Amendment 2: 2009)”

IEC 61000-3.3, amend to read:

“IEC 61000-3-3 (edition 2.0 – 2008)”

IEC 61000-3-11, amend to read:

“IEC 61000-3-11 (edition 1.0 - 2000)”

IEC 61000-3-12, amend to read:

“IEC 61000-3-12 (edition 1.0 - 2004)”

ISO 7637-2, second edition 2004, amend to read:

“ISO 7637-2, (second edition 2004 and Amd1:2008)”

ISO 11451-1, third edition 2005, amend to read:

“ISO 11451-1, third edition 2005 and Amend 1: 2008”

ISO 11452-1, third edition 2005, amend to read:

“ISO 11452-1, third edition 2005 and Amend 1: 2008”

ISO 11452-4, third edition 2005, amend to read:

“ISO 11452-4, third edition 2005 and Corrigendum 1: 2009”

ISO 17025 (first edition 1999), amend to read:

“ISO 17025 (second edition 2005 and Corrigendum: 2006)”

ITU Radio Regulations, edition 2001, amend to read:

“ITU Radio Regulations, edition 2008”

Paragraphs 6.8., amend to read:

“6.8. Specifications ...**along supply** lines.”

Paragraphs 6.9., amend to read:

“6.9. ... by ESAs **on supply** lines.”

Paragraph 6.10.5., amend to read:

“6.10.5. ... by ESAs **on supply** lines.”
...for **transient** conducted emission and shall be...

...

Insert new paragraphs 13.5. to 13.8., to read:

“13.5. As from [36] months after the official date of entry into force of this Regulation, as amended by the 04 series of amendments, 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 04 series of amendments.

13.6. Until [36] months after the date of entry into force of the 04 series of amendments, no Contracting Parties shall refuse national or regional approval of a vehicle approved to the preceding series of amendments to this Regulation.

13.7. as from [60], Contracting Parties may refuse first registration of a new vehicle which does not meet the requirements of the 04 series of amendments to this Regulation.

13.8. Notwithstanding paragraphs 13.6 and 13.7 approvals of vehicle granted to the preceding series of amendments to the Regulation, which are not affected by the 04 series of amendments, shall remain valid and Contracting Parties applying the Regulation shall continue to accept them.”

...

Appendix 1,

paragraphs 1 to 9, amend to read:

“1. ... measurement”, Amendment 1, fifth edition 2001 and Amendment 1:2005.

2. ...measurements”, third edition 2010.

3. ...edition 2002 and corrigendum 2004.

4. ...edition 2002 and Amendment 1:2008.

5. ...second edition 2004 and Amendment 1:2008.

6. ...(second edition 2005 and Corrigendum: 2006)

7. ...:

Part 1: ... 2005 and Amendment 1:2008);

...

8. ...:

Part 1: ...2005 and Amendment 1:2008);

...

Part 4: ... 2005 and Corrigendum 1:2009);

...

9. ..., edition 2001 2008.”

...

Insert a new paragraph 20, to read:

“20. CISPR 16-1-2 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-2: Radio disturbance and immunity measuring apparatus – Ancillary equipment – Conducted disturbances”, edition 1.2: 2006.”

...

Annex 2A, insert new items 65 to 69, to read:

“65. Charger: on board/ external/ without ¹:.....”

66. Charging current: direct current/ alternating current (number of phases / frequency) ¹:

67. Maximal nominal current (in each mode if necessary):

68. Nominal charging voltage:

69. Basic vehicle interface functions: ex: L1/L2/L3/N/E/control pilot:.....”

...

Annex 3A,

Item 2, amend to read:

“2. Type:”

Appendix to type-approval communication,

Item 2, shall be deleted

Items 3 to 7, renumber as items 2 to 6

...

Annex 4,

Figure 3, the height of the “RESS charging mode”, amend to read:

“Figure 3...

...~~Height < 12 mm~~ (100±25) mm

...”

...

Annex 6 - appendix,

Figure 4, the length of the cable of the “RESS charging mode”, amend to read:

“Figure 4...

...(100 ± 25) ~~> 12 mm~~

...”

Annex 10,

...

paragraphs 2 and 3, amend to read:

“2. Immunity ...conducted **along supply** lines

...

3. Emission ... ESAS **on supply** lines

...”

...

Annex 13,

...

Paragraph 3.3., amend to read:

“3.3. ...figure **1** of...”

Paragraph 3.4., amend to read:

“3.4. ...clause **4.5.1.** (table 1) and **4.5.2.** (table 2).”

...

Annex 14,

Paragraph 3.4., amend to read:

“3.4. ...clause **4.5.1.** (table 1) and **4.5.2.** (table 2).”

Annex VIII

Amendments to Regulation No. 19 (Front fog lamps)

Amendments adopted to ECE/TRANS/WP.29/GRE/2010/32
(see para. 27 of the report)

...

Paragraph 10.3.5., amend to read:

“ 10.3.5. ... in Annex 7 to this..; ”

...

Annex 2, paragraph 2.2., line 6 of the table, correct to read:

“... ”

Line 6 *** /	-2.5°	from 5° inwards to 10° outwards	1,600 min	1,400 min	All line
---------------------	--------------	------------------------------------	-----------	-----------	----------

... ”

Adopted on the basis of GRE-64-18 (see para. 28 of the report)

Insert a new paragraph 14.2.2., to read:

“**14.2.2. Until 60 months after the date of entry into force of the 04 series of amendments to this Regulation 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 (test laboratories) 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.**”

Paragraph 14.2.2. (former), renumber as paragraph 14.2.3.

Adopted on the basis of GRE-64-55 (see para. 29 of the report)

Paragraph 5.6., amend to read:

“5.6. In the case ...lamp may be used provided **that;**

- (a) **its objective luminous flux does not exceed 2000 lumen, and**
- (b) **no restriction on the use is made in Regulation No. 37 and its series of amendments in force at the time of application for type approval.**”

Annex IX

Amendments to Regulation No. 98

Amendments adopted to ECE/TRANS/WP.29/GRE/2010/44 (see para. 33 of the report)

Paragraph 6.3.2., amend to read:

“6.3.2. It is possible .. LED module(s). **Where more than one light source is used to provide the driving beam, these light sources shall be operated simultaneously whilst determining the maximum value of luminous intensity (I_M).**

It is also ...”

Adopted on the basis of GRE-64-19 (see para. 34 of the report)

Insert a new paragraph 13.2., to read:

“13.2 **Until 60 months after the date of entry into force of the 01 series of amendments to this Regulation with regard to the changes introduced by the 01 series of amendments concerning the photometric testing procedures involving the use of the spherical coordinate system and the specification of luminous intensity values, and in order to allow the Technical Services (test laboratories) to update their testing equipment, no Contracting Party applying this Regulation shall refuse to grant approvals under this Regulation as amended by the 01 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.**”

Paragraphs 13.2. to 13.4.(former), renumber as paragraphs 13.3. to 13.5.

Annex X

Amendments to Regulation No. 112

Adopted on the basis of GRE-64-12 (see para. 36 of the report)

Paragraph 6.2.4., correct the table to read:

“

Headlamps for RH Traffic**/		Class A Headlamp		Class B Headlamp	
Test Point Designation	Test Point Angular Coordinates - Degrees	Required luminous intensity (cd)		Required luminous intensity (cd)	
		Max	Min	Max	Min
...
50R	0.86D, 1.72R		5100		10100
...

”

Adopted on the basis of GRE-64-42 (see para. 36 of the report)

Paragraph 6.3.3., correct the table to read:

“

		Class A Headlamp	Class B Headlamp
Test Point Designation	Angular Coordinates - Degrees	Required luminous intensity cd	Required luminous intensity cd
		Min	Min
...
H-2.5L	0.0, 2.5R	13500	20300
...

”

Adopted on the basis of GRE-64-20 (see para. 36 of the report)

Insert a new paragraph 14.2., to read.

“**14.2. Until 60 months after the date of entry into force of the 01 series of amendments to this Regulation with regard to the changes introduced by the 01 series of amendments concerning the photometric testing procedures involving the use of the spherical coordinate system and the specification of luminous intensity values, and in order to allow the Technical Services (test laboratories) to update their testing equipment, no Contracting Party applying this Regulation shall refuse to grant approvals under this Regulation as amended by the 01 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.”

Paragraphs 14.2. to 14.4.(former), renumber as paragraphs 14.3. to 14.5.

Adopted on the basis of GRE-64-26 (see para. 36 of the report)

Annex 2,

Figure 12, the note, amend to read:

“ ...

Or A headlamp, ...between **48375** cd and **64500** cd (as indicated by the number 12.5)...
 ...”

Adopted on the basis of GRE-64-17 (see para. 36 of the report)

Paragraph 6.1.3., amend to read:

“**6.1.3.** Apart .. 12 V.

6.1.3.1. During ...Regulation No. 37.

However if a filament lamp of category H9 or H9B is used for the principal passing beam, the applicant may choose the reference luminous flux at 12.2V or 13.2V as indicated in the relevant data sheet of Regulation No. 37 and a reference stating which voltage was chosen for type approval shall be made in item 9 in the communication form of Annex 1.

6.1.3.2. In order to protect the standard (étalon) filament lamp during the process of photometric measurement it is permissible to carry out the measurements at a luminous flux that differs from the reference luminous flux at 13.2V. If the test laboratory chooses to carry out measurements in such a manner the luminous intensity shall be corrected by multiplying the measured value by the individual factor F_{lamp} of the standard (étalon) filament lamp in order to verify the compliance with the photometric requirements where:

$$F_{lamp} = \Phi_{reference} / \Phi_{test}$$

$\Phi_{reference}$ is the reference luminous flux at 13,2V as specified in the relevant data sheet of Regulation 37

Φ_{test} is the actual luminous flux used for the measurement.

However, where the reference luminous flux of 12.2V as specified in the data sheet for the category H9 or H9B is chosen, this procedure is not permitted.

6.1.3.3. The headlamp shall be considered acceptable if it meets the requirements of paragraph 6. with at least one standard (étalon) filament lamp, which may be submitted with the headlamp.”

Annex 1, paragraph 9, amend to read:

“9. Brief description:

Category as described by the relevant marking: 3/

 Number and category(s) of filament lamp(s):

Reference luminous flux used for the principal passing beam (lm):

Principal passing beam operated at approximately (V):

Measures according to paragraph 5.8....

...”

Annex XI

Amendments to Regulation No. 119

Amendments adopted to ECE/TRANS/WP.29/GRE/2010/46
(see para. 37 of the report)

Annex 3, paragraph 3.3., amend to read:

“3.3. For any **cornering lamp** except ...”

Annex XII

Amendments to Regulation No. 123

Amendments adopted to ECE/TRANS/WP.29/GRE/2010/50
(see para. 38 of the report)

Annex 3, table 1, amend to read:

“Table 1:...

No	Element	Position /deg		passing beam											
				horizontal		vertical		class C		class V		class E		class W	
				at/ from	to	at	min	max	min	max	min	max	min	max	
Part A															
1	B50L	L 3.43		U 0.57	50 4/	350	50	350	50	625 8/	50	625	50	625	
2	HV	V		H	50 4/	625	50	625	50	1750	50	1750	50	2650	
3	BR	R 2.5		U 1	50 4/	1750	50	880	50	3550	880	3550	880	5300	
4	Segment BRR	R 8	R 20	U 0.57	50 4/	3550		880		880		880		880	
5	Segment BLL	L 8	L 20	U 0.57	50 4/	625		880		880		880		880	
6	P	L 7		H	63							63			
7	Zone III (as specified by Table 3 of this annex)					625		625		880		880		880	
8a	S50, S50L, S50RR	5/		U 4	63 7/					63 7/		63 7/			
9a	S100, S100L, S100RR	5/		U 2	125 7/					125 7/		125 7/			
10	50 R	R 1.72		D 0.86			5100								
11	75 R	R 1.15		D 0.57	10100					15200		20300			
12	50 V	V		D 0.86	5100			5100		10100		10100			
13	50 L	L 3.43		D 0.86	3550	13200 9/		3550	13200 9/	6800		6800	26400 9/		
14	25 LL	L 16		D 1.72	1180			845		1180		3400			
15	25 RR	R 11		D 1.72	1180			845		1180		3400			
16	Segment 20 and below it	L 3.5	V	D 2									17600 2/		
17	Segment 10 and below it	L 4.5	R 2.0	D 4		12300 1/		12300 1/		12300 1/		7100 2/			
18	Emax 3/				16900	44100	8400	44100	16900	79300 8/	29530 2/	70500 2/			
Part B															
1	B50L	L 3.43		U 0.57	50 4/	530		530				790			
2	HV	V		H	50 4/	880		880							
7	Zone III (as specified by Table 3 of this annex)					880		880		880		880			
13	50L	L 3.43		D 0.86	1700		1700			3400		3400			
18	Emax 6/				10100	44100	5100	44100	10100	79300 8/	20300	70500 2/			

Part B (bending modes): Table 1 Part A applies, however with the lines Nos. 1, 2, 7, 13 and 18 being replaced by those listed hereunder

...
...

**Amendments adopted to ECE/TRANS/WP.29/GRE/2010/48
(see para. 38 of the report)**

Annex 4, paragraph 1.1.1.1.(d), amend to read:

“1.1.1.1. ...

...

- (d) In the case ...mode, **or function** which is activated for a short **time with** an additional light source...”

Adopted on the basis of GRE-64-21 (see para. 39 of the report)

Insert a new paragraph 13.2., to read:

“**13.2** Until 60 months after the date of entry into force of the 01 series of amendments to this Regulation with regard to the changes introduced by the 01 series of amendments concerning the photometric testing procedures involving the use of the spherical coordinate system and the specification of luminous intensity values, and in order to allow the Technical Services (test laboratories) to update their testing equipment, no Contracting Party applying this Regulation shall refuse to grant approvals under this Regulation as amended by the 01 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.”

Paragraphs 13.2. to 13.4.(former), renumber as paragraphs 13.3. to 13.5.

Annex XIII

Conspicuity of motorcycles

**Amendments adopted to ECE/TRANS/WP.29/GRE/2010/67
(see para. 40 of the report)**

...

Paragraph 6.6.7., amend to read:

“6.6.7. *Other requirements*

When ... front direction **indicator lamp**, the electrical connection shall be such that the position lamp on the same side as **the direction indicator lamp is switched off** when the direction indicator lamp is flashing.”

**Amendments adopted to ECE/TRANS/WP.29/GRE/2010/68
(see para. 40 of the report)**

...

Paragraph 7.7.3., shall be deleted

...

Annex XIV

Amendments to Regulation No. 53

Amendments adopted to ECE/TRANS/WP.29/GRE/2010/25
(see para. 41 of the report)

Paragraph 6.4.7., amend to read:

“6.4.7. “Tell-tale”

Tell-tale optional; where fitted, this tell-tale **shall** be a **tell-tale** consisting of a non-flashing...”

Annex XV

Amendments to Regulation No. 113

Adopted on the basis of GRE-64-04 (see para. 48 of the report)

Paragraph 6.3.3.1.2., amend to read:

“6.3.3.1.2., shall be obtained by the ratio:

$$I_M$$
$$I_M = \frac{I_M}{3} = 0.208 E_M$$

This value shall be ...”

Annex XVI

Amendments to Regulation No. 70

Adopted on the basis of GRE-64-10 (see para. 49 of the report)

Annex 8,

paragraph 7.2.1., amend to read:

“7.2.1. When .. set-up parameters:

...

(c) Water/wash solution flow rate 7 ± 1 l/min;

...”

Annex XVII**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
Convention on Road Traffic (Vienna 1968)	Mr. D. Matthes (Germany) Tel: +49 6195902103 Fax: +49 6195902104 E-mail: matthes-kelkheim@t-online.de	Germany
