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## **Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations**

**168<sup>th</sup> session**

Genève, 8-11 March 2016

### **Reports of the**

**World Forum for Harmonization of Vehicle Regulations on  
its 168<sup>th</sup> session**

**Administrative Committee of the 1958 Agreement on its  
sixty-second session**

**Executive Committee of the 1998 Agreement on its forty-  
sixth session**

**Administrative Committee of the 1997 Agreement on  
its ninth session**

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## I. Attendance

1. The World Forum for Harmonization of Vehicle Regulations (WP.29) held its 168<sup>th</sup> session from 8 to 11 March 2016, chaired by Mr. B. Kisulenko (Russian Federation). The following countries were represented, following Rule 1(a) of the Rules of Procedure of WP.29 (TRANS/WP.29/690 and TRANS/WP.29/690/Amend.1 and Amend.2): Australia; Belgium; Bosnia and Herzegovina;; Bulgaria, Canada; China; Croatia, Czech Republic; Finland; France; Germany; Hungary; India; Italy; Japan; Kazakhstan, Latvia, Luxembourg; Netherlands; Norway; Poland; Portugal; Republic of Korea; Republic of Moldova, Romania; Russian Federation; Serbia; Singapore, Slovakia, Spain; Switzerland; Turkey; United Kingdom of Great Britain and Northern Ireland and United States of America. Representatives of the European Union (EU) participated. The following intergovernmental organizations were represented: International Telecommunication Union (ITU) and the Organization for Economic Cooperation and Development (OECD) The following non-governmental organizations were also represented: Association for Emission Control by Catalyst (AECC); Consumers International (CI); European Tyre and Rim Technical Organization (ETRTO); European Association of Automotive Suppliers (CLEPA/MEMA/JAPIA)<sup>1</sup>; the Foundation for the Automobile and Society (FIA Foundation); International Automotive Lighting and Light Signalling Expert Group (GTB); International Electrotechnical Commission (IEC); International Motor Vehicle Inspection Committee (CITA), International Motorcycle Manufacturers Association (IMMA); International Organization for Standardization (ISO), International Organization of Motor Vehicle Manufacturers (OICA) and World Blind Union (WBU),

## II. Opening statements

2. The Chair of the World Forum welcomed Singapore, which was participating in WP.29 for the first time as an observer.

3. In her opening statement, the Director of the Sustainable Transport Division informed WP.29 about the cut of a G-Post which directly affects the vehicle regulations section. The Division's management is working on a temporary arrangement until additional resources arrive. To this end and as requested by the Inland Transport Committee (ITC) a strategy paper will be prepared for the next ITC session that will include issues about financing the secretariat's activities. She further highlighted that the next year's ITC will be the seventieth anniversary of ITC. As the big challenges ahead, she recalled the important role of safe vehicles to achieve the road safety target, the Revision 3 of the 1958 Agreement, the increased accession to all of the three agreements serviced by WP.29 and to facilitate their implementation. For the latter, important elements are the up-coming GA resolution on road safety where member States are invited to support the request for accession to and implementation of the three United Nations vehicle agreements. Finally, the Director referred to the options paper for the establishment of a United Nations Road Safety Fund (WP.29-168-14)

4. The Secretary-General's Special Envoy for Road Safety, Mr. Jean Todt highlighted in his key note, the importance of the work done at WP.29 for road safety. He highlighted the huge discrepancy between low and middle income countries and high income countries when it comes to the share of road traffic fatalities and registered vehicles. Mr. Todt emphasised the need to encourage vehicle manufacturers to commit to better vehicle safety

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<sup>1</sup> Representing also the Motor and Equipment Manufacturers Association (MEMA) and Japan Auto Parts Industries Association (JAPIA) (TRANS/WP.29/885, para. 4).

standards especially for developing and emerging countries. He also stressed the problem of the often very old vehicle fleets in several countries. He further announced the promotion of a set of most critical vehicle regulations for the benefit of road safety when meeting with government officials. Finally Mr. Todt highlighted the four main priorities of his mandate as Secretary-General's Special Envoy for Road Safety to (i) support global partnership to improve road safety, with a particular focus on funding, (ii) advocate with governments, civil society and the private sector to promote road safety, (iii) participate in global and regional conferences and meetings on road safety and (iv) advocate the accession to, and more effective implementation of, United Nations road safety legal instruments.

5. Mr. A. Morozov, Deputy Minister for Industry and Trade of the Russian Federation, informed WP.29 that, in spite of a steep decline of the Russian automotive market in 2015, his country continued to pay great attention to vehicle safety and the reduction of polluting emissions. He recalled the Russian Federation's contributions and support to the revision of the 1958 Agreement and development of the IWVTA system. He added that, as of 1 January 2015, the member States of the Customs Union (Armenia, Belarus, Kazakhstan, Kyrgyzstan and the Russian Federation) had introduced a uniform Technical Regulation on Safety of Wheeled Vehicles which is based on the direct application of UN Regulations, UN GTRs and Rules – 112 documents in total. He announced that the Accident Emergency Call Systems (AECS) became mandatory under this Regulation and that a decision on the entry into force of Euro-6 emission levels would be taken in the course of 2016. He also recalled the topics which were successfully sponsored by his country and reported on the future contributions to the WP.29 activities related to air pollution from tyre and brake wear as well as the vehicle indoor air quality. Finally, he reaffirmed the commitment of the Russian Federation to the three Agreements under the auspices of WP.29 and appreciated the results achieved by WP.29 (WP.29-168-18).

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

*Documentation:* ECE/TRANS/WP.29/1119 and ECE/TRANS/WP.29/1119/Add.1

6. The provisional annotated agenda for the session (ECE/TRANS/WP.29/1119 and ECE/TRANS/WP.29/1119/Add.1) was adopted with the amendments below:

(a) Addition of agenda item:

17.10. UN GTR No. 1 (Door locks and door retention components)

Item 4.15.1. was moved to the June 2016 session of WP.29 for consideration.

7. The list of informal documents is reproduced in Annex I to this report.

### **IV. Coordination and organization of work (agenda item 2)**

#### **A. Report of the session of the Administrative Committee for the Coordination of Work (WP.29/AC.2) (agenda item 2.1)**

8. The 120<sup>th</sup> session of WP.29/AC.2 was held on 7 March 2016, chaired by Mr. B. Kisulenko (Russian Federation) and was attended, in accordance to Rule 29 of the terms of reference and rules of procedure of WP.29 (TRANS/WP.29/690 and Amends.1 and 2), by the Chairs of WP.29 (Russian Federation), GRB (France), GRE (Belgium), GRSP (United States of America), GRPE (Germany), GRRF (United Kingdom), GRSG (Italy), the Administrative/Executive Committees of the three agreements administered by WP.29 (Russian Federation (AC.1), Russian Federation (AC.4) and the United Kingdom (AC.3), by the

representatives of Japan, the United States of America and the European Union, and by the Vice-Chairs of WP.29 (Italy), GRSG (Canada), GRPE (India) and GRSP (Republic of Korea).

9. The Committee reviewed the draft agenda of the 168<sup>th</sup> session of the World Forum and recommended the amendments as indicated in paragraph 6 above. The Committee recommended that the Administrative Committee of the 1997 Agreement (AC.4) should not convene. WP.29/AC.2 also reviewed the draft agenda for the 169<sup>th</sup> session of the World Forum, scheduled to be held in Geneva from 21 to 24 June 2016.

10. The secretariat noted that no changes had been made to document (WP.29-166-02). AC.2 decided that this document should be further discussed at the Informal Working Group (IWG) on International Whole Vehicle Type Approval (IWVTA).

11. The representative of Japan reported on the IWG on IWVTA. He reported on the progress made in the pre-testing programme, the list of UN Regulations applicable to IWVTA and the Questions and Answers (Q&A) document. AC.2 decided to discuss this topic at WP.29.

12. AC.2 decided to start a general discussion at WP.29 on the performance of automotive systems in conditions other than those tested in the framework of type-approval or self-certification.

13. The representative of the European Commission informed AC.2 about the latest developments within the legislative process on the voting mandate for Revision 3 of the 1958 Agreement. WP.29/AC.2 noted the necessary postponement until the June or November session of WP.29.

14. The Committee decided to finalise discussions on the White Paper and to prepare the document for vote at the next AC.3 session in June 2016.

15. The secretariat reminded the Working Parties (GRs) to inform the secretariat about any new abbreviations used in their documents.

## **B. Programme of work and documentation (agenda item 2.2)**

*Documentation:* ECE/TRANS/WP.29/2016/1  
Informal document WP.29-168-01 and WP.29-168-02

16. The World Forum noted the revised programme of work and documentation (ECE/TRANS/WP.29/2016/1). The secretariat presented the list of the informal working groups (based on WP.29-168-01) and the distribution of tasks within vehicle regulations and transport innovations section (based on WP.29-168-02). The World Forum noted WP.29-168-01 on the informal working groups and chairmanships of WP.29 and its subsidiary bodies as well as WP.29-168-02 on the current organization of the secretariat.

## **C. Intelligent Transport Systems and automated vehicles (agenda item 2.3)**

*Documentation:* Informal document GRRF-81-14, WP.29-168-19 and WP.29-168-20

17. The representative of the United Kingdom, co-chairing the IWG on Intelligent Transport Systems (ITS), gave a status report on the Group's activities. He reported that the IWG convened on Wednesday, 9 March 2016 from 2.30 to 5:15 p.m. with the following intervention:

(a) The representative of Finland, Ambassador of the IWG on ITS/AD gave a status report of the activities of WP.1, see para. 89.



(b) The technical secretary of the IWG presented a proposal with definitions of Automated Driving and on major horizontal issues and legal obstacles related to Automated Driving.

(c) The IWG discussed a proposal for guidelines on measures insuring cybersecurity and data protection of connected vehicles and vehicles with automated driving technologies, submitted by the representatives of Germany and Japan.

(d) The representative of France presented GRRF-81-14 advocating for a regulatory structure differing from the one chosen by the IWG on Automated Commanded Steering Function (ACSF), noting that this approach could be followed in a second step.

(e) The Chair of the ISO Technical Committee 22 on Road Vehicles presented the relevant activities of ISO related to automated driving technologies and indicated the existing collaborations with SAE International. The representative from ITU made a presentation on secure vehicle software updates. The IWG concluded that further coordination would be needed to ensure that the international organizations ITU and ISO could deliver complementary input for the work done at the World Forum on ITS/AD.

18. The representative of the Republic of Korea made an intervention (WP.29-168-19) on the policy of his country on Automated Driving, highlighting the coordination role of the World Forum. He mentioned the Republic of Korea's five-year plan for Automated Driving as well as the corresponding implementation road map. He added that the Republic of Korea welcomed and fully supported the initiative taken by WP.29 to lead the discussion on automated vehicle and to involve other relevant bodies such as WP.1 and ITU to expand the scope of discussion. He concluded that his country was ready to play a role in WP.29 activities on automated vehicle.

19. The representative of China reported (WP.29-168-20) on the strong interest of his country for Intelligent and Connected Vehicles (ICV) and the activities of the National Technical Committee of Auto Standardization (NTCAS) that support ICV development and to establish a scientific ICV standard and regulation system. He kindly invited the representatives of the World Forum to participate in the "Second International Symposium on Intelligent and Connected vehicles Technologies and Standards and Regulations (ICV 2016)" from 7-8 June 2016 in Shanghai, China.

#### **D. Follow-up to the seventy-eighth session of the Inland Transport Committee (ITC) (agenda item 2.4)**

*Documentation:* ITC (2016) No. 14

20. The secretariat informed the World Forum about the relevant decisions – No. 19 on the implementation of ITS policy, No. 25 on increasing visibility of vehicle regulations, No. 26 on the financing of DETA by the regular budget, and No. 27 on the 'United Nations Motorcycle Helmet Study'- taken by the Inland Transport Committee (ITC) at its seventy-eighth session (23 to 26 February 2016). The secretariat further highlighted the recently published leaflets on child restraint systems and motorcycle helmets that directly addressed citizen as well, as the brochure on enhanced child restraint systems for policy makers.

## **V. Consideration of the reports of the Working Parties (GRs) subsidiary to WP.29 (agenda item 3)**

### **A. Working Party on Noise (GRB) (Sixty-second session, 1-3 September 2015) (agenda item 3.1)**

*Documentation:* ECE/TRANS/WP.29/GRB/60

21. The World Forum recalled the oral report of the Chair of GRB given during the 167<sup>th</sup> session (ECE/TRANS/WP.29/1118, paras. 23-25) and approved the report.

### **B. Working Party on Brakes and Running Gear (GRRF) (Eightieth session, 15-18 September 2015) (agenda item 3.2)**

*Documentation:* ECE/TRANS/WP.29/GRRF/80

22. The World Forum recalled the oral report of the Chair of GRRF given during the 167<sup>th</sup> session (ECE/TRANS/WP.29/1118, paras. 26-29) and approved the report.

### **C. Working Party on General Safety provisions (GRSG) (109<sup>th</sup> session, 29 September–2 October 2015) (agenda item 3.3)**

*Documentation:* ECE/TRANS/WP.29/GRSG/88

23. The World Forum recalled the oral report of the Chair of GRSG given during the 167<sup>th</sup> session (ECE/TRANS/WP.29/1118, paras. 30-36) and approved the report.

### **D. Working Party on Lighting and Light-Signalling (GRE) (Seventy-fourth session, 20-23 October 2015) (agenda item 3.4)**

*Documentation:* ECE/TRANS/WP.29/GRE/74

24. The World Forum recalled the oral report of the Chair of GRE given during the 167<sup>th</sup> session (ECE/TRANS/WP.29/1118, paras. 37-40) and approved the report.

### **E. Highlights of the recent sessions (agenda item 3.5)**

#### **1. Working Party on Passive Safety (GRSP) (Fifty-eighth session, 8-11 December 2015) (agenda item 3.5.1)**

25. The representative of the United States of America, Chair of GRSP informed WP.29 about the results made by his Group during its fifty-eighth session (for details see the session report ECE/TRANS/WP.29/GRSP/58).

26. The World Forum noted that Mr. N. Nguyen (United States of America) had been elected as GRSP Chair and Mr. J. W. Lee (Republic of Korea) had been re-elected as Vice-Chair of GRSP for the year 2016 sessions.

27. WP.29 noted, as an outcome of work of GRSP past sessions, two brochures on the UN Regulation No. 129 (Enhanced Child Restraint Systems (ECRS)), one other on UN Regulation No. 22 (Protective helmets and visors) and one study on this last subject were all available in electronic form at: [www.unece.org/trans/main/welcwp29.html](http://www.unece.org/trans/main/welcwp29.html)

28. The World Forum particularly acknowledged the support for the realization of the brochures on Child Restraint System (CRS) by: (i) German Federal Ministry of Transport and Digital Infrastructure and the Federal Highway Research Institute (BASt), (ii) the European consumer voice in standardisation (ANEC) and CLEPA. The representatives from Germany and IMMA appreciated the efforts of the secretariat in this endeavour. They added that the above-mentioned publications would facilitate awareness and information campaigns on these UN Regulations worldwide.

**2. Working Party on Pollution and Energy (GRPE) (Seventy-second session, 12-15 January 2016) (agenda item 3.5.2)**

29. The Chair of GRPE, Mr. C. Albus (Germany), reported to WP.29 about the results of GRPE during its seventy-second session (for more details see the report of the session ECE/TRANS/WP.29/GRPE/72).

**3. Working Party Noise (GRB) (Sixty-third session, 16-18 February 2016) (agenda item 3.5.3)**

*Documentation* Informal document WP.29-168-13

30. The GRB Chair reported on the results of GRB during its sixty-third session (for details, see the report of the session ECE/TRANS/WP.29/GRB/61).

31. He further informed WP.29 that GRB agreed to revise the Terms of Reference of the IWG of the QRTV Regulation to address the concerns raised by the World Blind Union, namely sound pressure levels, the Acoustic Vehicle Alerting System (AVAS) pause function and sound emissions when stationary.

32. He also indicated that, following a request by WP.29, GRB preliminary agreed to replace the acronym RESS ("Replacement Exhaust Silencing System") in Regulation No. 92 with a new term "Non-Original Replacement Exhaust Silencing System" (NORESS).

33. The representative of WBU welcomed the preparation of the draft QRTV Regulation (agenda item 4.13.1) and the adjustment of the Terms of Reference of the IWG of the QRTV Regulation to tackle the concerns of WBU (WP.29-168-13). He also thanked the expert from Japan for his proposal to prohibit the AVAS pause switch that had been made at the sixty-third session of GRB. In this context, the representative of Japan expressed his support to the adoption of the draft QRTV Regulation upon understanding that, in the future, it could be amended prohibiting the pause switch. He invited experts from other countries to cooperate on this issue. The representative of the United States of America informed the World Forum that the national Rule on AVAS would be published in his country in the coming months and that the Rule would provide for AVAS sound at idle and would ban the pause switch. The representative of EU pointed out that the EU Member States would be ready to vote for the draft QRTV Regulation and thanked Japan for their proposal to address the pause switch issue at a later stage.

**4. Working Party on Brakes and Running Gear (GRRF) (Eighty-first session, 1-5 February 2016) (agenda item 3.5.4)**

*Documentation* Informal document WP.29-168-15

34. On behalf of the Chair of GRRF, the representative of the United Kingdom informed WP.29 about the results of GRRF during its eighty-first session (for more details see the report of the session ECE/TRANS/WP.29/GRRF/81).

35. He sought the endorsement of WP.29 on the establishment of an IWG dealing with Agricultural Coupling.

36. WP.29 approved the establishment of an IWG on Agricultural Coupling and requested GRRF to prepare the corresponding terms of reference.

37. He reported that GRRF completed its work related to IWVTA and therefore adopted amendments to Regulations Nos. 13-H and 64. He added that GRRF drew the attention of WP.29 to countries referring to Regulations Nos. 13-H and 64 to mandate Brake Assist Systems (BAS), Electronic Stability Control (ESC) and Tyre Pressure Monitoring Systems (TPMS) and that they would have until 1 September 2018 to refer to the corresponding newly established Regulations.

38. He informed the World Forum about a discussion that took place at GRRF in the context of IWVTA (WP.29-168-15) and, separately, on the issue of the performance of automotive systems in conditions other than those tested according to the regulated test procedures. He added that there are inherent risks that some systems, especially those relying on software (e.g. TPMS and AEBS) could be designed to work only in the limited conditions corresponding to those tested rather than in all the relevant driving conditions. He sought guidance from WP.29 and concluded by proposing that the new regulation on TPMS systems could serve as a case study to inform future consideration by the working party. The representative of the European Union supported such an approach.

39. WP.29 agreed to refer the document WP.29-168-15 to all GRs to receive feedback and agreed that, in the meantime, GRRF continues to address this matter.

## **VI. 1958 Agreement (agenda item 4)**

### **A. Status of the Agreement and of the annexed Regulations (agenda item 4.1)**

*Documentation:* ECE/TRANS/WP.29/343/Rev.24

40. The secretariat informed the World Forum about the latest update of the status of the 1958 Agreement (ECE/TRANS/WP.29/343/Rev.24) containing the information received by the secretariat until 20 February 2015, which was available on the WP.29 website at: [www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29fdocstts.html](http://www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29fdocstts.html). WP.29 noted that Contracting Parties should notify the secretariat of the amendments needed to the status document.

### **B. Guidance requested by the Working Parties on matters related to Regulations annexed to the 1958 Agreement (agenda item 4.2)**

41. The World Forum took note of a proposal by Turkey to establish a new Regulation on vehicle reversing sound warning devices (WP.29-168-04) and invited GRB to consider this issue.

42. The World Forum took note of a proposal by WP.15 to amend Regulation No. 13 (heavy vehicle braking) (WP.29-168-16) and invited GRRF to consider this issue.

#### **1. Reproduction and reference to private standards in Regulations, Global Technical Regulations and Rules (agenda item 4.2.1)**

43. The secretariat recalled the discussion at the 167<sup>th</sup> session of the World Forum (See ECE/TRANS/WP.29/1118, para. 42) on the incorporation of the standard SAE J826 in the work done by the IWG on the three-dimensional "H" point machine (3-D H point machine). He added that no new information was available since the 167<sup>th</sup> session of WP.29.

**2. Guidance on amendments to Regulations annexed to the 1958 Agreement (agenda item 4.2.2)**

44. Following advice given by AC.2, the World Forum referred document WP.29-166-02 on guidelines on amendments to UN Regulations to the IWG on IWVTA for further considerations.

**C. Development of the International Whole Vehicle Type Approval (IWVTA) system (agenda item 4.3)**

*Documentation:* Informal documents WP.29-168-12

45. The representative of Japan, on behalf of the Chair of the IWG on IWVTA, reported on the progress made during the meetings of the Group on the development of draft UN Regulation No. 0 (WP.29-168-12). He presented the status of the pre-testing programme of UN Regulation No. 0 and of the list of UN Regulations applicable to IWVTA. He added that the Group had updated the question and answer document on IWVTA. He expected that the IWG would resume deliberations in June 2016 and that the results be reported to WP.29 at its next session.

46. The World Forum welcomed the work done by the IWG and agreed to resume consideration of this subject at the next session in June 2016.

47. Referring to WP.29-168-12, the representative of Japan also reported on recent outcome of the subgroup on the 1958 Agreement. He informed WP.29 that the subgroup had considered a proposal by Germany to amend article 2 as well as Schedule 2 on the assessment procedure of technical services. He concluded that the subgroup had agreed to keep the frozen text of draft Revision 3 to the 1958 Agreement as published in ECE/TRANS/WP.29/2016/2 and to resume consideration of further steps at future meetings.

**D. Consideration of and vote on draft Revision 3 to the 1958 Agreement (agenda item 4.4)**

*Documentation:* (ECE/TRANS/WP.29/2014/53  
ECE/TRANS/WP.29/2015/40)  
ECE/TRANS/WP.29/2016/2

48. The World Forum noted the final version ECE/TRANS/WP.29/2016/2 of draft Revision 3 to the 1958 Agreement, including the comments received by Ukraine and the four-fifth voting majority threshold as agreed upon by WP.29 at its previous session.

49. The representative of EU informed WP.29 delegates that the document had already received positive feedback from the European Council and that EU Member States were currently in the process of consultation for consent on draft Revision 3 at the level of the European Parliament. He announced that he would provide more detailed information on a possible common position at the next sessions of WP.29.

50. The representative of Germany recalled his position at the recent meeting of the IWG on IWVTA and clarified that his Government had not been in the position to support that document. He expressed their preference to strengthen, due the recent incidents of non-compliant vehicles and approvals, the provisions of the type approval procedure to avoid possible future conflicts. He added that Germany had nevertheless to follow the EU decision as a result of the qualified majority voting in favour of draft Revision 3 as reproduced in ECE/TRANS/WP.29/2016/2.

51. The Representative of the Russian Federation informed WP.29 that from 1 January 2016 the Eurasian Economic Union used a system of the vehicle type approval for all categories and plans to start development of an electronic database.

52. The World Forum agreed to resume consideration on this subject at its forthcoming session in June 2016.

#### **E. Development of an electronic database for the exchange of type approval documentation (DETA) (agenda item 4.5)**

53. The secretariat recalled the decision taken by the ITC (decision No.26) highlighting that DETA should be financed by the regular budget. In a follow-up, the secretariat would prepare the relevant budget proposals.

54. Germany reported on behalf of the Chair and Secretary about the last meeting of the IWG DETA that was held on 02 March in Paris. He informed delegates that the IWG welcomes the decision of the ITC to finance DETA via the regular budget. He reported that the IWG discussed the content of administrative data sets within DETA as well as the rights to access the database.

55. The representative of Germany informed WP.29 that Germany had to resign from chairing the IWG on DETA and that the offer to host the DETA database until the financing and hosting at the UNECE was guaranteed, has to be withdrawn with immediate effect.

#### **F. Consideration of draft amendments to existing Regulations submitted by GRB (agenda item 4.6)**

56. The World Forum considered the draft amendments under agenda items 4.6.1 and 4.6.2 and recommended their submission to AC.1 for voting.

#### **G. Consideration of draft amendments to existing Regulations submitted by GRRF (agenda item 4.7)**

57. The World Forum considered the draft amendments under items 4.7.1 to 4.7.3 and recommended their submission to AC.1 for voting subject to the editorial correction below:

58. Agenda item 4.7.1, Regulation No. 55, ECE/TRANS/WP.29/2016/5, insert the following amendment to read:

*Annex 7, paragraph 1.2.2., for "...a = 25° and b = 60°" read "...α = 25° and β = 60°".*

59. Agenda item 4.7.2, Regulation No. 130, ECE/TRANS/WP.29/2016/6, new paragraph 5.1.2., replace "effectiveness of AEBS" to read "effectiveness of LDWS".

#### **H. Consideration of draft amendments to existing Regulations submitted by GRSG (agenda item 4.8)**

60. The World Forum considered the draft amendments under items 4.8.1 to 4.8.9 and recommended their submission to AC.1 for voting.

61. Agenda item 4.8.5, Regulation No. 107, ECE/TRANS/WP.29/2016/12, amend to read:  
*Numbering of paragraphs 10.13. to 10.17. are replaced by numbering 10.14. to 10.18.*

**I. Consideration of draft amendments to existing Regulations submitted by GRE (agenda item 4.9)**

62. The World Forum considered the draft amendments under items 4.9.1 to 4.9.8 and 4.9.10 and recommended their submission to AC.1 for voting. The draft amendment under agenda item 4.9.9 (ECE/TRANS/WP.29/2016/24) was referred back to GRE for further consideration.

**J. Consideration of draft corrigenda to existing Regulations submitted by GRSG (agenda item 4.10)**

63. No draft corrigendum was submitted by GRSG.

**K. Consideration of draft corrigenda to existing Regulations submitted by GRSP (agenda item 4.11)**

64. The World Forum considered the draft corrigendum under agenda item 4.11.1 and recommended its submission to AC.1 for voting.

**L. Consideration of draft corrigenda to existing Regulations submitted by the secretariat, if any (agenda item 4.12)**

65. The World Forum considered the draft amendment under agenda item 4.12.1 and recommended its submission to AC.1 for voting.

**M. Consideration of proposals for new Regulations submitted by the Working Parties subsidiary to the World Forum (agenda item 4.13)**

66. The World Forum considered the draft proposal for a new Regulation concerning the approval of quiet road transport vehicles (QRTV) under item 4.13.1 and recommended its submission to AC.1 for voting.

**N. Proposal for amendments to the Consolidated Resolution on the Construction of Vehicles (R.E.3) submitted by the Working Parties to the World Forum for consideration (agenda item 4.14)**

67. No draft amendment was submitted

**O. Pending proposals for amendments to existing Regulations submitted by the Working Parties to the World Forum (agenda item 4.15)**

*Documentation:* ECE/TRANS/WP.29/2016/27, ECE/TRANS/WP.29/2016/28

68. The World Forum agreed to defer the draft amendment under agenda item 4.15.1 to its June 2016 session awaiting the results of a final review by GRSG.

69. The World Forum considered the draft amendment under agenda item 4.15.2 and recommended its submission to AC.1 for voting.

## **VII. 1998 Agreement (agenda item 5)**

### **Status of the Agreement, including the implementation of paragraph 7.1 of the Agreement (agenda item 5.1)**

*Documentation:* ECE/TRANS/WP.29/1073/Rev.15  
Informal document WP.29-165-08

70. The World Forum noted the consolidated document containing the status of the Agreement (ECE/TRANS/WP.29/1073/Rev.15). WP.29 also noted that San Marino had become a Contracting Party to the Agreement, effective on 26 January 2016. The secretariat reported that some Contracting Parties had fulfilled their obligation to send their status reports and final notifications on the progress of transposition of the UN GTRs and their amendments into their domestic law. The representatives of the Contracting Parties were reminded about their obligation to send the reports and final notifications on the transposition process only through their Permanent Missions in Geneva via the "1998 AGREEMENT-MISSIONS List" electronic system, as mandatorily requested by United Nations Office of Legal Affairs (UN OLA). The World Forum noted that these reports and notifications were not processed if submitted by e-mail to the secretariat.

71. WP.29 agreed that agenda items 5.2 to 5.5 should be considered by AC.3

## **VIII. Exchange of views on national/regional rulemaking procedures and implementation of established Regulations and/or UN GTRs into national/regional law (agenda item 6)**

72. No request for exchange of views has been received under this agenda item.

## **IX. 1997 Agreement (Periodical Technical Inspections) (agenda item 7)**

### **A. Status of the Agreement (agenda item 7.1)**

*Documentation:* ECE/TRANS/WP.29/1074/Rev.6

73. The secretariat presented the consolidated document (ECE/TRANS/WP.29/1074/Rev.6) on the status of the Agreement including the status of the UN Rules annexed to the Agreement, the list of the Contracting Parties to the Agreement and of their Administrative Departments. WP.29 also noted that San Marino had become a Contracting Party to the Agreement, effective as of 26 January 2016.



## **B. Update of Rules Nos. 1 and 2 (agenda item 7.2)**

*Documentation:* ECE/TRANS/WP.29/2013/132/Rev.1  
ECE/TRANS/WP.29/2013/133/Rev.1

74. The representative of the Russian Federation, co-Chair of the Informal Working Group on Periodic Technical Inspection (IWG on PTI) reported on the continuation of the update of Rules Nos. 1 and 2 where good progress had been made. He expected the finalised proposals to be ready for vote in AC.4 at its June 2016 session.

## **C. Establishment of UN Rules No. 3 on testing equipment, No. 4 on skills and training for inspectors and No. 5 on supervision of test centres (agenda item 7.3)**

*Documentation:* Informal document: WP.29-168-04

75. The representative of the Russian Federation, co-Chair of the IWG on PTI presented the informal document that was prepared by the IWG on PTI highlights different options for covering the elements of testing equipment, skills and training for inspectors as well as supervision of test centres within the framework of the 1997 Agreement.

76. The representative of Romania highlighted the necessity to provide for future flexibility as these new elements will need to follow technical progress and, therefore, should be designed so as to allow for amendments by WP.29/AC.4.

77. The Finnish representative raised concerns on an increased diversity between the Contracting Parties in case these new elements would be covered in new Rules when not all Contracting Parties would be applying all the rules and how this might affect the mutual recognition of International Technical Inspection Certificates.

78. The World Forum encouraged the IWG on PTI to take the concerns raised into consideration and to develop options to provide for the requested flexibility and harmonization.

## **X. Other Business (agenda item 8)**

### **A. Exchange of information on enforcement of issues on defects and non-compliance, including recall systems (agenda item 8.1)**

79. The World Forum was informed about the latest developments related to the Volkswagen (VW) case.

80. The representative of Germany recalled the testing programme developed by the German type approval authority, Kraftfahrt-Bundesamt (KBA), to identify whether different brand vehicles contained prohibited defeat devices. He mentioned that the investigations are ongoing and, therefore no information on the results could be shared yet. He reported that the recall programme of the affected VW vehicles had already been initiated in Germany for a first vehicle type.

81. The representative of the United States of America (USA) introduced WP.29-168-17 to further update on the Notices Of Violation (NOV) sent by the Environmental Protection Agency (EPA) to Volkswagen alleging that vehicles sold in the United States of America included software that circumvent EPA regulations. He reported that EPA continues to coordinate with the California Air Resources Board and Environment Canada on testing,

and the investigation by the enforcement authorities of EPA is ongoing. He announced that EPA incorporated additional, unpredictable test procedures in response to the VW violations.

82. The representative of the Russian Federation reported on a national VW recall campaign conducted in line with a joint programme of the national competent authorities and the VW company, in the spirit of transparency and partnership.

83. The representative of the European Commission (EC) reported on three different areas of work. First, he informed about the adoption of the first and second package of new Real Driving Emissions procedure (RDE). Second, he updated WP.29 on the new legislation proposed to revise the type approval framework, currently under ordinary procedure in the Council and the Parliament. Third, he recalled the ongoing testing performed in some EU Member States in order to exchange information and views on the performance of vehicles when tested under different conditions.

84. As regards CO<sub>2</sub> emissions, the EC representative stated that with the introduction of the World Light duty Test Procedures (WLTP), more realistic measurement results are expected.

85. He recalled the activities of the Joint Research Centre (JRC) of the European Commission on testing methodologies for detecting so-called defeat devices.

86. The representative of Canada informed WP.29 about the ongoing investigation and additional testing taking place in close collaboration with EPA.

87. The representative of Japan reported that no defeat devices had been identified in his country and expressed his willingness to start dealing with RDE and to share information with other countries.

**B. Consistency between the provisions of the 1968 Vienna Convention and the technical provisions for vehicles of Regulations and UN GTRs adopted in the framework of the 1958 and 1998 Agreements (agenda item 8.2)**

88. The World Forum was informed by the secretariat of the entry into force on 23 March 2016, of amendments related to Articles 8 and 39 of the 1968 Convention on Road Traffic. Parallel amendments to the 1949 Convention on Road Traffic are currently under the notification procedure. WP.29 noted the establishment of an Informal Group of Experts on Autonomous Driving under WP.1.

89. The representative from Finland, ambassador between IWG on ITS/AD (see ECE/TRANS/WP.29/1118, para. 92) and the new Informal Group of Experts on Autonomous Driving under WP.1 reported on the recent meeting of this new Informal Group of Experts where good progress was made on the trial of autonomous vehicles on public roads within the framework of the 1968 Convention on Road Traffic. He further reported on additional amendments to the 1968 Convention on Road Traffic to allow for a higher level of automation based on a joint proposal by Belgium and Sweden.

**C. Proposal for amendments to the Consolidated Resolution on the Construction of Vehicles (R.E.3) (agenda item 8.3)**

90. No new proposal was submitted under this agenda item.

**D. UN Decade of Action for Road Safety (agenda item 8.4)**

*Documentation:* Informal documents WP.29-168-06

91. The secretariat presented the Brasilia Declaration, adopted by the second Global High-level Conference on Road Safety, (18-19 November 2015, Brasilia). WP.29 noted that the document contains strong recommendations to accede to the three Agreements serviced by the World Forum and to implement UN Regulations and UN GTRs to make vehicles safer.

92. The representative of OICA welcomed the Brasilia declaration and informed WP.29 that at that occasion, OICA had issued a statement (available at [www.oica.net/wp-content/uploads/Global-Road-Safety-OICA-position-paper.pdf](http://www.oica.net/wp-content/uploads/Global-Road-Safety-OICA-position-paper.pdf)), stressing the importance of an integrated approach, involving all relevant dimensions, such as traffic rules, road user behaviour, infrastructure and of course the vehicle performance. For the latter aspect, OICA stresses the importance of the UN legal instruments such as the 1958 and 1998 Agreements and the road safety improvements that resulted from these Agreements in many markets; OICA, therefore, offers its full cooperation with the various Governments to put in place the requirements on vehicle performance that are considered a necessity, and offers suggestions for the transposition of international regulations into the national legislation.

**E. Documents for publication (agenda item 8.5)**

*Documentation:* Informal document WP.29-168-07

93. The secretariat introduced the document WP.29-168-07, listing the proposals adopted by WP.29 at its June 2015 session and the situation of their entry into force. The different dates for several of the amendments was highlighted.

**F. Tributes**

94. WP.29 noted that Mr. Jean-Claude Noirhomme (ETRTO) would no longer attend the sessions and acknowledged his continued support during the years of participation in WP.29 and wished him all the best for his future activities.

**XI. Adoption of the report (agenda item 9)**

95. The World Forum adopted the report and its annexes on the basis of a draft prepared by the secretariat. The report includes the sections related to the Administrative Committee of the 1958 Agreement and to the Executive Committee of the 1998 Agreement.

**B. Administrative Committee of the 1958 Agreement (AC.1)****XII. Establishment of the Committee AC.1 (agenda item 10)**

96. Of the 53 Contracting Parties to the Agreement, 38 were represented and established AC.1 for its sixty-second session held on 9 March 2016.

97. AC.1 invited Mr. B. Kisulenko, Chair of WP.29, to chair the session.

### XIII. Proposals for amendments and corrigenda to existing Regulations and for new Regulations – Voting by AC.1 (agenda item 11)

98. The results of the voting on the documents submitted are reflected in the following table:

<i>Amendments to existing Regulations</i>							
<i>Regulation No.</i>	<i>Subject of the Regulation</i>	<i>Contracting Parties</i>		<i>Document; ECE/TRANS/WP.29/....</i>	<i>Voting result: for/against/abstentions</i>	<i>Document status</i>	<i>Remark</i>
		<i>applying the Regulation</i>	<i>represented and voting</i>				
10	Electromagnetic compatibility	44	35	2016/16	35/0/0	Suppl. 1 to 05	*
10	Electromagnetic compatibility	44	35	2016/17	35/0/0	Suppl. 3 to 04	*
34	Prevention of fire risks	40	32	2016/8	32/0/0	Suppl. 1 to 03	*
41	Noise emissions of motorcycles	44	35	2016/3	35/0/0	Suppl. 4 to 04	*
46	Devices for indirect vision	42	32	2016/9	32/0/0	Suppl. 3 to 04	*
48	Installation of lighting and light-signalling devices	43	34	2016/18	34/0/0	Suppl. 7 to 06	*
48	Installation of lighting and light-signalling devices	43	34	2016/19	34/0/0	Suppl. 9 to 05	*
48	Installation of lighting and light-signalling devices	43	34	2016/20	34/0/0	Suppl. 16 to 04	*
50	Position, stop, direction indicator lamps for mopeds and motorcycles	46	36	2016/21	36/0/0	Suppl. 18 to 00	*
51	Sound of M and N categories of vehicles	43	34	2016/4	34/0/0	Suppl. 1 to 03	*
53	Installation of lighting and light-signalling devices for L <sub>3</sub> vehicles	43	34	2016/22	34/0/0	Suppl. 18 to 01	*
53	Installation of lighting and light-signalling devices for L <sub>3</sub> vehicles	43	34	2016/23	34/0/0	02 series	*
55	Mechanical couplings	42	33	2016/5 as amended by para. 58	33/0/0	Suppl. 5 to 01	*
83	Emissions of M <sub>1</sub> and N <sub>1</sub> vehicles	43	34	2016/28	34/0/0	Suppl. 2 to 07	*
107	General construction of buses and coaches	46	35	2016/10	35/0/0	Suppl. 5 to 05	*
107	General construction of buses and coaches	46	35	2016/11	35/0/0	Suppl. 5 to 06	*
107	General construction of buses and coaches	46	35	2016/12 as amended by para. 61	35/0/0	07 series	*

<i>Amendments to existing Regulations</i>							
<i>Regulation No.</i>	<i>Subject of the Regulation</i>	<i>Contracting Parties</i>		<i>Document; ECE/TRANS/WP.29/...</i>	<i>Voting result: for/against/abstentions</i>	<i>Document status</i>	<i>Remark</i>
		<i>applying the Regulation</i>	<i>represented and voting</i>				
110	CNG and LNG vehicles	47	35	2016/13	35/0/0	02 series	*
118	Burning behaviour of materials	48	35	2016/14	35/0/0	Suppl. 2 to 02	*
125	Forward field of vision of drivers	48	36	2016/15	36/0/0	Suppl. 1 to 01	*
128	Light Emitting Diode (LED) light sources	52	38	2016/25	38/0/0	Suppl. 5 to 00	*
130	Lane Departure Warning System (LDWS)	52	38	2016/6 as amended by para. 59	38/0/0	Suppl. 1 to 00	*
131	Advanced Emergency Braking Systems (AEBS)	52	38	2016/7	38/0/0	Suppl. 2 to 01	*

<i>Corrigenda to existing UN Regulations</i>							
<i>Regulation No.</i>	<i>Subject of the Regulation</i>	<i>Contracting Parties</i>		<i>Document; ECE/TRANS/WP.29/...</i>	<i>Voting result: for/against/abstentions</i>	<i>Document status</i>	<i>Remark</i>
		<i>applying the Regulation</i>	<i>represented and voting</i>				
73	Lateral protection devices	42	33	2016/31	33/0/0	Corr. 1 to 01	*
94	Frontal collision protection	40	32	2016/32	32/0/0	Corr. 3 to 01	*

<i>Proposal for new UN Regulations</i>							
<i>Regulation No.</i>	<i>Subject of the Regulation</i>	<i>Contracting Parties</i>		<i>Document; ECE/TRANS/WP.29/...</i>	<i>Voting result: for/against/abstentions</i>	<i>Document status</i>	<i>Remark</i>
		<i>applying the Regulation</i>	<i>represented and voting</i>				
-	Quiet road transport vehicles	-	38	2016/26	38/0/0	Original text	*

\* The EU representative voting for the 28 EU Member States.

## C. Executive Committee of the 1998 Agreement (AC.3)

### XIV. Establishment of the Executive Committee AC.3 and election of officers for the year 2016 (agenda item 12)

99. The forty-sixth session of the Executive Committee (AC.3) was held on 10 March 2016 and chaired by the representative of the United Kingdom. The representatives of 13 of the 36 Contracting Parties to the Agreement attended: Australia, Canada, China, the European Union (representing Cyprus, Finland, France, Germany, Hungary, Italy, Lithuania, Luxembourg, Netherlands, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom), India, Japan, Kazakhstan, Norway, Republic of Korea, Republic of Moldova, the Russian Federation, Turkey and the United States of America.

100. At the proposal of the representative from the European Commission, Mr. I. Yarnold (EU) was unanimously elected as Chair and Mr. H. Inomata (Japan) was elected as Vice-Chair for 2016.

### XV. Monitoring of the 1998 Agreement: Reports of the Contracting Parties on the transposition of UN GTRs and their amendments into their national/regional law (agenda item 13)

*Documentation:* ECE/TRANS/WP.29/1073/Rev.15, ECE/TRANS/WP.29/2015/108  
Informal documents: WP.29-167-12, WP.29-167-24, WP.29-167-30  
WP.29-168-03 and WP.29-168-08

101. The representative of IMMA emphasised the high ongoing activity in the informal group EPPR, addressing among others new UN GTRs on Evaporative Emissions and On-Board Diagnostics for Category 3 vehicles. He appreciated the intent to clarify in the tri-lateral paper the use of modules and options and intent to harmonize towards single requirements. Moreover, he emphasised the strong interest from the industry to closely monitor the implementation of the Agreement by the Contracting Parties. AC.3 noted the need for periodic information provided by Contracting Parties as those published on the UNECE website were not complete.

102. The Chair of AC.3 suggested that informal document WP29-168-08 be transformed into an official document for adoption by AC.3 at its June 2016 session. Taking into account however that some of the raised comments might warrant further discussions, in particular the notion of options and modules, he suggested that the document should be considered as living document that may need to be completed/adapted at a later stage. AC.3 agreed with the proposal of the Chair.

103. AC.3 noted the information, as of 2 March 2016, on the status of the Agreement (ECE/TRANS/WP.29/1073/Rev.15), the status of the priorities (based on WP.29-168-03 as reproduced in Annex II to this report) of the Agreement and items on which the exchange of views should continue. The secretariat reminded AC.3 that all communication regarding status reports on transposition of UN GTRs should be sent to the secretariat electronically. AC.3 also noted that assistance might be obtained from the secretariat (Mr. E. Gianotti) concerning the obligations of Contracting Parties on the transposition process.

**XVI. Consideration and vote by AC.3 of draft UN GTRs and/or draft amendments to established UN GTRs (agenda item 14)**

104. AC.3 noted that no draft UN GTR or draft amendments to established UN GTR were submitted

**XVII. Consideration of technical regulations to be listed in the Compendium of Candidates for UN GTRs, if any (agenda item 15)**

105. AC.3 noted that no requests for listing were submitted.

**XVIII. Guidance, by consensus decision, on those elements of draft UN GTRs that have not been resolved by the Working Parties subsidiary to the World Forum, if any (agenda item 16)**

106. AC.3 noted that no guidance was requested.

**XIX. Progress on the development of new UN GTRs and of amendments to established UN GTRs (agenda item 17)**

**A. UN GTR No. 2 (Worldwide Motorcycle emission Test Cycle (WMTC)) and other UN GTRs on environmental and propulsion unit requirements for L-category of vehicles (agenda item 17.1)**

*Documentation:* ECE/TRANS/WP.29/AC.3/36, ECE/TRANS/WP.29/2015/113, ECE/TRANS/WP.29/AC.3/36/Rev.1

107. The expert from IMMA reported on the significant progress made by the IWG on Environmental and Propulsion Performance Requirements (EPPR), particularly on the adoption at the seventy-second session of GRPE of a new global technical regulation on the measurement procedure for two- or three-wheeled motor vehicles equipped with a combustion engine with regard to the crankcase and evaporative emissions. He noted the ongoing preparation of a proposal for a new global technical regulation on the measurement procedure for two- or three-wheeled motor vehicles with regard to on-board diagnostics expected to be considered at the next GRPE session in June 2016. The active participation of key motorcycle markets in the IWG on EPPR was noted with the involvement of China, Indian, Japan and the European Union.

**B. UN GTR No. 3 (Motorcycle braking) (agenda item 17.2)**

*Documentation:* ECE/TRANS/WP.29/AC.3/37

108. The representative of Italy recalled that GRRF was discussing amendments to Regulation No. 78 that would be relevant for UN GTR. No. 3. He added that GRRF agreed to first make further progress on the work and then proceed with the development of amendments to UN GTR No. 3 and the corresponding request for authorization to develop

an amendment to UN GTR No. 3. He concluded that Italy would be available to sponsor the work on UN GTR No. 3 at a later stage. AC.3 agreed to resume consideration on this agenda item at its June 2016 session.

**C. UN GTR No. 4 (Worldwide Heavy-Duty Certification procedure (WHDC)) (agenda item 17.3)**

*Documentation:* ECE/TRANS/WP.29/AC.3/29, ECE/TRANS/WP.29/AC.3/38

109. AC.3 decided to remove this agenda item for the next session.

**D. UN GTR No. 6 (Safety glazing) (agenda item 17.3 bis)**

110. The representative of the Republic of Korea reported on the work progress made by the IWG on Panorama Sunroof Glazing (PSG). He informed AC.3 about the clarification of the Terms of References (ToR) of the IWG and announced that the next meeting of IWG would be held on 25 April 2016 in conjunction with the 110<sup>th</sup> session of GRSG. The Chair of GRSG clarified that the final ToR have been endorsed by GRSG as reflected in the report of GRSG (ECE/TRANS/WP.29/GRSG/88).

111. AC.3 noted the report on the recent GRSG session (para.30) and agreed on the revised Terms of Reference for the IWG. AC.3 agreed to resume consideration of this subject at its June 2016 session.

**E. UN GTR No. 7 (Head restraints) (agenda item 17.4)**

*Documentation:* ECE/TRANS/WP.29/2014/86, ECE/TRANS/WP.29/2012/34,  
ECE/TRANS/WP.29/2011/86, ECE/TRANS/WP.29/2010/136,  
ECE/TRANS/WP.29/AC.3/25, ECE/TRANS/WP.29/AC.3/25/Rev.1

112. The representative of the United Kingdom (Chair of AC.3), gave a status report of the work of the IWG. He informed AC.3 that the IWG was pursuing a more empirical approach to determine biomechanical criteria and that alternative approaches were under study. He reported that the IWG expected a more advanced proposal in the May 2016 session of GRSP on UN GTR No. 7 and of Addendum 1 to Mutual Resolution No. 1 (M.R.1) to incorporate Bio Rear Impact Dummy (BioRID) specifications. He concluded that however an extension of the mandate of the IWG until March 2017 was needed to complete the above-mentioned final proposals. AC.3 endorsed this request.

**F. UN GTR No. 9 (Pedestrian safety) (agenda item 17.5)**

*Documentation:* ECE/TRANS/WP.29/GRSP/2014/15,  
ECE/TRANS/WP.29/GRSP/2014/16, ECE/TRANS/WP.29/AC.3/24,  
ECE/TRANS/WP.29/AC.3/31

113. The representative of the United States of America informed AC.3 about phase 2 of the Pedestrian UN GTR. He reported that his administration had also almost completed the development of a costs and benefits analysis that is expected to be publicly available for the May 2016 session of GRSP. He also reminded that his country preferred that the Injury Assessment Reference Values (IARV) remain optional so that Contracting Parties would be in the position to adapt them to their domestic needs on local injury risk curves. The representative of OICA informed AC.3 that at the December 2015 session of GRSP the experts from the Republic of Korea and OICA introduced a proposal of amendments to UN



GTR No. 9 to incorporate provisions for active deployable systems in the bonnet area. AC.3 noted that to allow GRSP to develop further this amendment, a proposal of authorization to develop the amendment should be officially submitted by a sponsor country (Republic of Korea) at its June 2016 session.

**G. UN GTR No. 15 (Worldwide harmonized Light vehicle Test Procedures (WLTP) – Phase 1(b)) (agenda item 17.6)**

*Documentation:* ECE/TRANS/WP.29/AC.3/39, ECE/TRANS/WP.29/2016/29

114. The representative of the European Union informed AC.3 about the progress made by the IWG on WLTP. She mentioned that draft Amendment 1 to UN GTR No. 15 was adopted as result of Phase 1B activities at the last GRPE session in January 2016 and it will be submitted to AC.3 at its June 2016 session for further consideration.

115. The representative of the European Union presented WP.29-168-11 including some additional information to ECE/TRANS/WP.29/2016/29 on the mandate of the IWG on WLTP for Phase 2 activities. AC.3 endorsed WP.29-168-11 and requested the secretariat to distribute it with an official symbol at its June 2016 session.

**H. UN GTR No. 16 (Tyres) (agenda item 17.7)**

*Documentation:* ECE/TRANS/WP.29/AC.3/42

116. The representative of the Russian Federation informed AC.3 about the development of the UN GTR No. 16. He mentioned the kind support received from ETRTO as well as from the American and Canadian experts in the elaboration of the draft Amend.1 to UN GTR No. 16. He informed that the draft amendment and the corresponding technical report would be submitted for consideration and vote at the June 2016 session. The AC.3 Chair mentioned the high quality of this work done and thanks the Russian Federation for having sponsored and conducting this work stream.

**I. Draft UN GTR on Electric Vehicles Safety (EVS) (agenda item 17.8)**

*Documentation:* (ECE/TRANS/WP.29/2012/122, ECE/TRANS/WP.29/2014/87, ECE/TRANS/WP.29/2012/121, ECE/TRANS/WP.29/AC.3/32, ECE/TRANS/WP.29/2015/107, ECE/TRANS/WP.29/2016/30)

117. The representative of the United States of America informed AC.3 that the IWG for Electric Vehicles Safety (EVS) last met in Japan (beginning of March 2016). He explained that the IWG had progressed to finalize within the given mandate the Phase 1 of the UN GTR. He concluded that a proposal of UN GTR in this sense would be submitted for discussion at the December 2016 session of GRSP.

**J. Draft UN GTR on Quiet Road Transport Vehicles (QRTV) (agenda item 17.9)**

*Documentation:* ECE/TRANS/WP.29/AC.3/33

118. The expert from the United States of America, in his capacity of Chair of IWG on QRTV GTR, informed AC.3 that the national Rule on QRTV would be published in his country in the coming months and that, following the publication, he would convene a session of IWG on QRTV GTR. The representative of France, as Chair of GRB, recalled

the progress in preparing the draft QRTV Regulation under the 1958 Agreement (item 4.13.1 of the agenda). He pointed out that the immediate task of IWG on QRTV GTR would be to identify the gaps between the QRTV Regulation and the US Rule and to assess the possibility of preparing compromise provisions for including into the draft GTR. AC.3 requested the Chair of IWG on QRTV GTR to report on the outcome of these activities at the AC.3 session in November 2016.

**K. UN GTR No. 1 (Door locks and door retention components)  
(agenda item 17.10)**

*Documentation:* WP.29-168-10

119. AC.3 noted the authorization submitted by the representative of the EU to develop a parallel amendment to UN GTR No. 1 to keep requirements in line with UN Regulation No. 11 dealing with the same subject (WP.29-168-10) of UN GTR No. 1. AC.3 requested the secretariat to distribute it with an official symbol for adoption at its June 2016 session.

**XX. Items on which the exchange of views and data should  
continue or begin (agenda item 18)**

**A. Vehicle crash compatibility (agenda item 18.1)**

120. No new information was provided for this agenda item.

**B. Intelligent Transport Systems (agenda item 18.2)**

121. No new information was provided for this agenda item (see para. xx).

**C. Harmonization of side impact (agenda item 18.3)**

122. The representative of the United States of America informed AC.3 that efforts on the 5<sup>th</sup> percentile female dummy had been hampered by the lack of availability components and parts and that the previous schedule for completion would be probably delayed at later stage.

**D. Electric vehicles and the environment (agenda item 18.4)**

*Documentation:* ECE/TRANS/WP.29/2014/81, ECE/TRANS/WP.29/AC.3/40  
ECE/TRANS/WP.29/AC.3/32

123. The representative of Canada updated AC.3 about the ongoing activities on data and information gathering. He informed AC.3 about the expected outcome under each of the areas corresponding to Part A of the mandate, expected to be presented at the next GRPE session in June 2016 as a basis to discuss the way forward: (i) a report on the determination of energy consumption as a result of the activities led by China, (ii) a report on battery ageing and durability led by Canada and the United States of America, and (iii) recommendations on the development of a method to determine the power of electric vehicles as result of the activities led by Germany and the Republic of Korea. He underlined the agreement reached between the IWGs on WLTP, EVS and EVE to ensure a proper coordination of work avoiding any duplication and overlap on the area of battery

durability. He specified that the IWG on WLTP would take the lead on the determination of requirements to be applied to aged batteries and other components, whereas the IWG on EVE would concentrate on the determination of ageing techniques. He mentioned that the IWG on EVE would meet again in April 2016 in China.

**E. Specifications for the 3-D H point machine (agenda item 18.5)**

124. No new information was provided for this agenda item.

**F. Hydrogen and Fuel Cell vehicles (HFCV) (UN GTR No. 13) – Phase 2 (agenda item 18.6)**

*Documentation:* ECE/TRANS/WP.29/AC.3/17

125. No new information was provided for this agenda item.

**G. New technologies not yet regulated (agenda item 18.7)**

126. No new information was provided for this agenda item.

**XXI. Proposals to develop new UN GTRs and/or amendments to established UN GTRs, not included under agenda items 17 and 18, if any (agenda item 19)**

127. No new proposal was provided for this agenda item.

**XXII. Exchange of information on new priorities to be included in the programme of work (agenda item 20)**

128. No new information was provided for this agenda item.

**XXIII. Other business (agenda item 21)**

129. No subject was raised under this agenda item.

**D. Administrative Committee of the 1997 Agreement (AC.4)**

**XXIV. Establishment of the Committee AC.4 and election of officers for the year 2016 (agenda item 22)**

130. Following the recommendation of WP.29, the Administrative Committee AC.4 did not convene (see para. 9).

**XXV. Amendments to Rules Nos. 1 and 2 (agenda item 23)**

*Documentation:* ECE/TRANS/WP.29/2013/132/Rev.1,  
ECE/TRANS/WP.29/2013/133/Rev.1

131. No supplementary information was provided beyond agenda item 7.2 (see para. 74 above).

**XXVI. Establishment of new Rules Nos. 3, 4 and 5 (agenda item 24)**

132. No supplementary information was provided beyond agenda item 7.3 (see paras. 75 to 78 above).

**XXVII. Other business (agenda item 25)**

133. No subject was raised under this agenda item.

## Annex I

**List of informal documents (WP.29-168-...) distributed  
without a symbol during the 168<sup>th</sup> session**

<i>No.</i>	<i>Transmitted by</i>	<i>Agenda item</i>	<i>Language</i>	<i>Title</i>	<i>Follow-up</i>
1/Rev.1	Secretariat	2.2	E	WP.29, Working Parties, Informal Working Groups and Chairmanship	(a)
2	Secretariat	2.2	E	Tasks to be performed by the members of the secretariat in 2016	(a)
3	Secretariat	13	E	Status of the 1998 Agreement - Situation on priorities and proposals to develop UN GTRs as of 2 March 2016	(a)
4	Turkey	4.2	E	Proposal for establishment of New Regulation for Various Safety Issues	(f)
5	Co-Chairs of the Informal Working Party On Periodical Technical Inspections	7.3	E	Agreement concerning the adoption of uniform conditions for periodical technical inspections of wheeled vehicles and the reciprocal recognition of such inspections done at Vienna on 13 November 1997. Possible variants of the development.	(h)
6	Secretariat	8.4	E	Brasilia Declaration	(a)
7	Secretariat	8.5	E	1958 Agreement, adopted proposals for 23 amendments and 1 new Regulation and situation of their entry into force, 166th session - June 2015	(a)
8	Japan, USA and EU	13	E	Trilateral White Paper - Improvement in the Implementation of the 1998 Global Agreement	(d)
9/Rev.1	Secretariat	1	E	Consolidated agenda	(a)
10	European Union	17.10	E	Request for authorization to develop an amendment to global technical regulation No. 1 (Door locks and door retention components)	(d)
11	European Union	17.6	E	Mandate for the Informal working group on Worldwide harmonized Light duty Test Procedure Phase 2 (WLTP Phase 2)	(d)

<i>No.</i>	<i>Transmitted by</i>	<i>Agenda item</i>	<i>Language</i>	<i>Title</i>	<i>Follow-up</i>
12	IWVTA Informal Group	4.3	E	Report to 168th WP.29 session from the 20th IWVTA Informal Group meeting	(a)
13	World Blind Union	4.13.1	E	World Blind Union statement	(a)
14	Secretariat	-	E	Options for establishment of UN Fund for Road Safety	(a)
15	Secretariat	3.5.4	E	The performance of automotive systems in conditions other than those tested in the framework of type-approval or self-certification	(c)
16	Secretariat	4.2	E	Proposal to amend Regulation No. 13 (heavy vehicle braking) transmitted by the WP.15 secretariat	(g)
17	United States of America	8.1	E	Statement of Edward Nam, Director Air Quality and Modeling Center Office of Transportation and Air Quality U.S. Environmental Protection Agency	(a)
18	Russian Federation	-	E/R	Highlights of the speech by Mr. A. N. Morozov, Deputy Minister of Industry and Trade of the Russian Federation	(a)
19	Republic of Korea	4.3	E	Intervention of the representative of the Republic of Korea	(a)
20	China	4.3	E	Invitation to the 2nd International Symposium on Intelligent and Connected Vehicles Technologies & Standards and Regulations (ICV 2016)	(a)

*Notes:*

- (a) Consideration completed or to be superseded.
- (b) Adopted.
- (c) Referred to all GRs and continue consideration at the next session as an informal document.
- (d) Continue consideration at the next session with an official symbol.
- (e) Referred back to IWVTA.
- (f) Referred to GRB.
- (g) Referred to GRRF.
- (h) Referred back to IWG on PTI.

## Annex II

### Status of the 1998 Agreement of the global registry and of the compendium of candidates\*

#### Situation on priorities and proposals to develop gtrs as of 2 March 2016

##### GRRF

<i>Item</i>	<i>Informal group (Yes-No)/ Chair &amp; Vice-Chair</i>	<i>Tech. sponsor</i>	<i>Formal proposal (ECE/TRANS/WP.29/...)</i>	<i>Proposal for a draft UN GTR (ECE/TRANS/WP.29/..)</i>	<i>State of play/Comments</i>
[Amendment 3] to UN GTR No. 3 (motorcycle brake systems)	-	-	-	-	GRRF started initial discussions on motorcycle braking (ABS requirements for tricycles, conditions for ABS switch off and ESS).
Amendment 1 to UN GTR No. 16 (Tyres)	No	Russian Federation	AC.3/42	../GRRF/2016/2 ../GRRF/2016/3	Amendment to GTR No. 16 for consideration by AC.3 in June 2016

##### GRSP

<i>Item</i>	<i>Informal group (Yes-No)/ Chair &amp; Vice-Chair</i>	<i>Tech. sponsor</i>	<i>Formal proposal (ECE/TRANS/WP.29/...)/...</i>	<i>Proposal for a draft UN GTR (ECE/TRANS/WP.29/..)</i>	<i>State of play/Comments</i>
Phase 2 of UN GTR No. 7 (Head Restraints)	Yes/UK	Japan	AC.3/25/ Rev.1	2014/86 (fourth progress report) GRSP/2015/34 (Draft UN GTR)	GRSP is expected to consider an informal proposal, addressing all issues, including draft Addendum 1 to the M.R.1 at its May 2016 session. AC.3 agreed to extend the mandate of the IWG until March 2017.
Phase 2 of UN GTR No. 9 (Flex-PLI) (Pedestrian Safety)	Yes/ Germany/ Japan	Germany/ Japan	AC.3/24	GRSP/2014/15 (Draft UN GTR) GRSP/2015/2 GRSP/2014/16 (5 <sup>th</sup> progress report)	GRSP will resume discussion at its May 2016 session on IARVs and on the draft UN GTR, altogether with a proposal addressing bumper test. GRSP will likely also consider a proposal on active bonnet. This last pending a draft authorization to develop the amendments submitted by the Republic of Korea.

\* Information on the Contracting Parties (36), the Global Registry and the Compendium of Candidates are in document ECE/TRANS/WP.29/1073/Rev.15.

<i>Item</i>	<i>Informal group (Yes-No)/ Chair &amp; Vice-Chair</i>	<i>Tech. sponsor</i>	<i>Formal proposal (ECE/TRANS GTR /WP.29/.../ /WP.29/.../</i>	<i>Proposal for a draft UN GTR (ECE/TRANS/WP.29/..)</i>	<i>State of play/Comments</i>
Amendment No. [3] to UN GTR No. 9		Netherlands	AC.3/31	GRSP/2014/2 GRSP/2014/5	GRSP will consider a revised proposal concerning points of contact of headform impactors at its May 2016 session addressing the Phase 1 and 2 of the UN GTR.
Phase 2 of UN GTR No. 13 (HFCV)					No new information was provided at the March 2016 session of AC.3.
UN GTR No. 14 (PSI)	Yes/ Australia	Australia	AC.3/28		No new information was provided at the March 2016 session of AC.3.
UN GTR on EVS	Yes/USA/ EU/ Japan/ China	EU/ Japan/ USA/ China	AC.3/32	2012/121 (ToR)  2012/122 (1 <sup>st</sup> progress report)  2014/87 (2 <sup>nd</sup> progress report)  2015/107 (3 <sup>rd</sup> progress report)  2016/30 (4 <sup>th</sup> progress report)	AC.3 noted that the IWG also agreed the development of a 2-phases approach, - that would allow the UN GTR to be completed in Phase 1 and leave the long-term research items for Phase 2; to complete Phase 1 by end 2016.

**GRPE**

<i>Item</i>	<i>Informal group (Yes-No)/ Chair &amp; Vice-Chair</i>	<i>Tech. sponsor</i>	<i>Formal proposal (ECE/TRANS GTR /WP.29/.../ /WP.29/.../</i>	<i>Proposal for a draft UN GTR (ECE/TRANS/WP.29/..)</i>	<i>State of play/Comments</i>
New UN GTR on crankcase and evaporative emissions	Yes/EU (EPPR)	EU	AC.3/36/ Rev.1 (based on 2013/127)		AC.3 noted the progress made by the IWG and expected to consider a proposal for a new UN GTR on crankcase and evaporative emissions in June 2016.
Amend. 1 to UN GTR No. 15 (WLTP)	Yes/ Germany (WLTP)	EU/ Japan	2014/30 AC.3/39		AC.3 noted the progress made by the IWG on the Phase 1b and expected to consider a proposal for Amend. 1 to UN GTR No. 15 in June 2016.
Electric vehicles and the environment (EVE)	Yes/USA/ China/ Japan	Canada/ China/EU/ Japan/USA	AC.3/32 WP.29- 163-13		AC.3 noted the progress made on part A of the mandate.



**GRB**

<i>Item</i>	<i>Informal group (Yes-No)/ Chair &amp; Vice-Chair</i>	<i>Tech. sponsor</i>	<i>Formal proposal (ECE/TRAN S/WP.29/...)/ (ECE/TRANS/WP.29/...)</i>	<i>Proposal for a draft UN GTR</i>	<i>State of play/Comments</i>
Quiet Road Transport Vehicle	Yes/USA/ Japan	EU/Japan/ USA	AC.3/33 (Including ToR)		AC.3 expects a progress report of the ITWG on QRTV at its November 2016 session

**GRSG**

<i>Item</i>	<i>Informal group (Yes-No)/ Chair &amp; Vice-Chair</i>	<i>Tech. sponsor</i>	<i>Formal proposal (ECE/TRAN S/WP.29/...)/ (ECE/TRANS/WP.29/...)</i>	<i>Proposal for a draft UN GTR</i>	<i>State of play/Comments</i>
Panoramic Sunroof Glazing (PSG)	Yes/Korea/ Germany	Korea	AC.3/41		AC.3 adopted the extension of the mandate of the ITWG on PSG until March 2017

**Situation of subjects for exchange of views**

<i>Working Party</i>	<i>Item</i>	<i>Inf. group (Yes-No)/ Chair &amp; Vice-Chair</i>	<i>Tech. sponsor</i>	<i>Formal proposal ECE/TRANS/WP.29/...</i>	<i>State of play.</i>
GRSP	Crash compatibility	No	No	---	No new information was provided.
GRSP	Harmonized side impact dummies	Yes	USA	2010/88 (2 <sup>nd</sup> progress report)	AC.3 was informed on the progress made in relation to the 5 percentile female dummy and noted that a redesign of the dummy might be necessary..
WP.29	ITS	No	---	---	No new information was provided to AC.3.
WP.29	Electric Vehicles and Environment	Yes	USA, Canada, China, EU	---	AC.3 received a status report from the IWG on EVE where the good coordination with the IWG on WLTP was highlighted. A report to GRPE at its June 2016 session is envisaged. AC.3 expects the results of part A of the mandate for its November 2016 session.
WP.29	New technology not yet regulated	No	No	---	No new information was provided to AC.3