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World Forum for Harmonization of Vehicle Regulations

182nd session

Geneva, 10–12 November 2020

Reports of the

World Forum for Harmonization of Vehicle Regulations on its 182nd session

Administrative Committee of the 1958 Agreement on its seventy-sixth session

Executive Committee of the 1998 Agreement on its fifty-ninth session

Administrative Committee of the 1997 Agreement on its fifteenth session



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A. World Forum for Harmonization of Vehicle Regulations (WP.29)

I. Attendance

1. The World Forum for Harmonization of Vehicle Regulations (WP.29) held its 182nd session from 10 to 12 November 2020,¹ chaired by Mr. A. Erario (Italy). The following countries were represented, following Rule 1 of the Rules of Procedure of WP.29 (ECE/TRANS/WP.29/690/Rev.1): Australia, Belgium, Bosnia and Herzegovina, Canada, China, Czech Republic, Egypt, Finland, France, Germany, Hungary, India, Ireland, Israel, Italy, Japan, Kazakhstan, Luxembourg, Malaysia, Netherlands, Nigeria, Norway, Pakistan, Poland, Republic of Korea, Romania, Russian Federation, Slovakia, South Africa, Spain, Sweden, Switzerland, Tunisia, Turkey, United Kingdom of Great Britain and Northern Ireland and the United States of America. Representatives of the European Union participated. The following international organization was represented: International Telecommunication Union (ITU). The following intergovernmental organization was represented: EuroMed Transport Support Project. The following non-governmental organizations were also represented: Association for Emissions Control by Catalyst (AECC), Consumers International (CI), European Association of Automotive Suppliers (CLEPA/MEMA/JAPIA),² Federation Internationale des Grossistes, Importateurs et Exportateurs en Fournitures Automobiles (FIGIEFA) / International Federation of Automotive Aftermarket Distributors, Global New Car Assessment Programme (Global NCAP), International Motor Vehicle Inspection Committee (CITA), Fédération Internationale de l'Automobile (FIA), International Automotive Lighting and Light Signalling Expert Group (GTB), International Motorcycle Manufacturers Association (IMMA), the International Organization for Standardization (ISO), International Organization of Motor Vehicle Manufacturers (OICA), International Road Transport Union (IRU), Motor and Equipment Manufacturers Association (MEMA), European Tyre and Rim Technical Association (ETRTO) and SAE International. Other non-governmental organizations were represented following Rule 1(d): American Automotive Policy Council (AAPC), Secure America's Future Energy (SAFE) and World Bicycle Industry Association (WBIA). Other non-governmental organizations, private sector entities, independent experts and observers were represented: European Committee for Standardization (CEN).

II. Opening statements

2. The Chair of WP.29, Mr. A. Erario (Italy) welcomed delegates to the 182nd session of WP.29 and opened the meeting. He recalled the exceptional circumstances of this session due to the Covid-19 outbreak. He invited the Director of the UNECE Sustainable Transport Division Mr. Yuwei Li, to deliver the opening remarks.

3. The Director of the UNECE Sustainable Transport Division welcomed delegates to the 182nd session of the World Forum and announced that the Deputy Administrator of the National Highway Traffic Safety Administration (NHTSA - United States of America Department of Transport) would be taking part in the session.

4. He welcomed Dr. Owens, emphasizing the position of the United States of America as member of UNECE and one of the founding contracting parties of the UN 1998 Agreement, commending the leadership of the United States of America in the development of UN Global Technical Regulations (GTRs) under the 1998 Agreement.

5. He thanked the United States of America delegation to WP.29 for strong cooperation in the harmonization of vehicle regulations to make vehicles safer and more environmentally friendly worldwide, for the diplomacy, technical approach and professionalism together with

¹ All delegates participated remotely. Simultaneous interpretation was available into the official UNECE languages.

² Representing also the Motor and Equipment Manufacturers Association (MEMA) and Japan Auto Parts Industries Association (JAPIA) (TRANS/WP.29/885, para. 4).

all other delegations to contribute to the worldwide recognition of WP.29 as a vector of vehicle safety and the world economy.

6. The Director stressed that the 2030 Strategy of the Inland Transport Committee (ITC), adopted in 2019, fully recognized the role of ITC and its working parties as the UN platform for inland transport, enabling policy dialogue, harmonizing legal frameworks, promoting new technologies and enhancing connectivity. He concluded by stating that the full implementation of the Strategy will enable ITC and its working parties to significantly contribute to further development of inland transport in a sustainable way - safe, environmentally friendly, resilient, efficient, low cost and socially inclusive.

7. The representative of the United States of America, Dr. James C. Owens, Deputy Administrator of NHTSA extended greetings to WP.29 delegates on behalf of the Transportation Secretary of the United States of America, and thanked Director Li for enabling his participation at the session by videoconference.

8. In his address (WP.29-182-20), he highlighted the work of the World Forum, its global reach and the resulting worldwide impact on vehicle and pedestrian safety, emphasizing the unique position of WP.29 to build a coalition around efforts to improve the safety of all road traffic participants by bringing countries together to share their knowledge, their expertise, and their perspectives.

9. The Deputy Administrator stated that automated vehicle technologies hold the promise to help prevent fatal crashes, save lives, and reduce the severity of the crashes that do occur, and that the United States of America is accelerating innovation and facilitating the smooth deployment of automated driving systems (ADS).

10. He highlighted that NHTSA rulemaking processes are based on the principles of sound science, transparency and inclusive and open consultative processes, explaining that NHTSA has yet to issue performance standards for ADS technologies as they are still very new, rapidly evolving and not fully understood – as such unsuitable for being the subject matter of performance standards and regulations.

11. Mr. Owens emphasized that all motor vehicles are subject to an existing standard in the United States as a result of which they cannot create an unreasonable risk to safety. He stressed however that implementing performance standards prematurely on developing technologies may limit their potential to improve safety performance of vehicles and could lead to unexpected negative consequences of their applications.

12. He underlined that performance standards if implemented prematurely will hamper innovation, limit testing in different environments, and ultimately serve as an unwarranted barrier to trade. The auto industry is global in nature and has significant impact everywhere. Promising lifesaving technology should be allowed to develop and reach its potential and should not be constrained by trade barriers.

13. The Deputy Administrator advised WP.29 to consider NHTSA's approach in the development of a globally harmonized technical regulatory framework, concluding by reiterating the commitment of the United States of America to continued collaboration on activities of the World Forum.

14. A question and answer session ensued with questions addressed to the Deputy Administrator by representatives from Germany, Canada and the European Commission.

III. Adoption of the agenda (agenda item 1)

Documentation: ECE/TRANS/WP.29/1154/Rev.1

Informal documents: WP.29-182-03 and Rev.1, WP.29-182-04 and WP.29-182-08

15. WP.29 adopted the annotated provisional agenda (ECE/TRANS/WP.29/1154/Rev.1, WP.29-182-04) and the running order of the 182nd session (WP.29-182-03/Rev.1).

16. 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)

17. The 134th session of WP.29/AC.2 (09 and 10 November 2020) was chaired by Mr. A. Erario (Italy) and was attended**, in accordance to Rule 29 of the terms of reference and rules of procedure of WP.29 (TRANS/WP.29/690/Rev.1) by the Chairs of GRBP (France), GRE (Finland) GRPE (Netherlands), GRSG (Italy), GRSP (represented by United States of America delegate), GRVA (Germany), the Vice-Chairs of GRE (Netherlands), GRPE (United Kingdom of Great Britain and Northern Ireland), GRSG (Canada), GRSP (Republic of Korea), GRVA (China and Japan), the Chair of the Executive Committee (AC.3) of the 1998 Agreement (United States of America), the Co-Chair of the Administrative Committee (AC.1) of the 1958 Agreement (Russian Federation) and by the representatives of the European Union and the United States of America.

18. Prior to its scheduled meeting on 9 November 2020, AC.2 held two ad-hoc virtual informal meetings. The first, held on 15 October 2020, related to the special procedures during COVID-19 period in order to enable business continuity for WP.29 and its subsidiary bodies. The second, held on 23 October 2020, focused on the activities related to automated/autonomous vehicles.

19. AC.2 took note of the special procedures during COVID-19 period, which had been adopted by all members of the World Forum and all Contracting Parties to the 1958, 1997 and 1998 Agreements under a silence procedure on 30 October 2020, and was informed about the results of the written voting procedures, which took place from November 3 to 6, 2020, for WP.29, AC.1 and AC.3 items envisaged for voting in accordance with the agenda of the 182nd session of the World Forum.

20. The representative of the Russian Federation, Chair of WP.29 and AC.2, Mr. Boris Kisulenko, informed AC.2 that he is stepping down from his roles in WP.29 and AC.2. He recommended Mr. Sergey Anikeev as Vice-Chair candidate for WP.29. AC.2 warmly welcomed Mr. Anikeev at AC.2 and supported Mr. Kisulenko's recommendation. AC.2 sincerely thanked Mr. Kisulenko for his years of service and the exceptional leadership during the last decades.

21. AC.2 recommended WP.29 to consider updating the expiry date of mandates of WP.29 subsidiary Informal Working Groups (IWG) listed in Informal Document WP.29-182-01.

22. AC.2 took note of the communication from the UNECE Executive Secretary sent to Permanent Representatives of UNECE member States containing an update on the operational arrangements in place at the UNECE in response to combined impacts of the COVID-19 pandemic, financial constraints triggered by the liquidity crisis facing the UN Organization, and the ongoing renovation work at the Palais des Nations (Strategic Heritage Plan (SHP) on the conduct of business and mandate delivery. AC.2 considered the revised calendar of sessions for 2020 (WP.29-179-02/Rev.3), and the proposed calendar of sessions for 2021 (WP.29-182-02), taking note that the 2020 calendar had been impacted and that the 2021 calendar may need to be revised in light of circumstances described in the communication from the UNECE Executive Secretary. Following discussions, AC.2 decided to recommend to WP.29 that GRVA would hold one additional session on 14-16 December 2020 and one additional session in 2021, to take place in late May or early June. AC.2 recommended that WP.29 endorse a communication addressed to the UNECE Executive Secretary, requesting priority access to resources necessary for the conduct of business and mandate delivery of WP.29 during the ongoing crises.

23. AC.2 took note of the mapping of the implementation of the ITC Strategy by WP.29 and GRs, and recommended that WP.29 consider the mapping as an informal document at its

** Remote participation

182nd session, and, if endorsed, to submit it to the ITC Bureau November 2020 session for consideration.

24. AC.2 recommended WP.29 to consider endorsing the proposal for the coordinated application of the definition of Rechargeable Electrical Energy Storage System (REESS).

25. AC.2 recommended issuing the proposal for amendments to the guidelines on transitional provisions as an informal document for the 182nd session of WP.29, and its consideration under agenda item 4.3 of the World Forum.

26. AC.2 discussed the draft revised Programme of Work (PoW) for 2020 (ECE/TRANS/WP.29/2020/1/Rev.2) that reflects both the relevant elements from the ITC Strategy as well the priorities of the work for the GRs.

27. AC.2 took note of the draft update of the UNECE Road Map on Intelligent Transport Systems (WP.29-182-12), and recommended that WP.29 consider endorsing the document, and submitting it to the ITC Bureau November 2020 session for consideration.

28. AC.2 reviewed and adopted the revised annotated provisional agenda for the 182nd session and reviewed the draft of the 183rd session of the World Forum, scheduled to be held in Geneva from 9 to 11 March 2021.

29. AC.2 approved the requests of NGO's, European Association for Electromobility, AVERE, and the International Association of the Body and Trailer Building Industry, CLCCR, to take part in WP.29 sessions in accordance with Rule 1(d) of the Terms of Reference of the World Forum.

30. AC.2 was informed on a dispute between contracting parties related to one type approval for a device that was deemed to perform as a child restraint system. AC.2 noted that the discussion on the dispute would be resumed at the December 2020 session of GRSP, at which more data would be shared. AC.2 concluded that it should wait for the outcome of the discussion in GRSP.

31. AC.2 decided to hold an ad-hoc informal session during December 2020, in order to discuss matters related to patent applications for test procedures under development by an IWG.

32. AC.2 recommended that AC.4 is not convened.

33. The Chair of AC.2 reported on the conclusions of AC.2 regarding the continuation of GRVA activities concerning ALKS. AC.2 agreed that a group of interested experts reporting to GRVA could continue to work on the ALKS regulation development to address the scope extension to heavy vehicles, increased speeds and lane changes. AC.2 agreed that this work should not diverge from the outcome of the activities at the IWGs on FRAV and VMAD, and that if these two groups needed more time than the group of interested experts, then the outcome of these two IWGs would amend the ALKS regulation, as needed.

34. AC.2 did not complete the discussion on the revision of the Framework Document on Automated Vehicles and planned to finalise discussion in March 2021 on the GRVA priorities of work. It was noted that GRVA, at its December 2020 ad-hoc session, could provide input to guide this discussion.

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

Documentation: ECE/TRANS/WP.29/2020/1/Rev.2
Informal documents: WP.29-182-01, WP.29-179-02/Rev.3,
WP.29-182-02, WP.29-182-15, WP.29-182-16 and WP.29-182-17

35. The Secretary of WP.29 presented the revised programme of work with a strategic introduction on the main priorities of the WP.29 work, which are related to the implementation of the ITC strategy 2030 and among others, to vehicle automation and environmental protection. (ECE/TRANS/WP.29/2020/1/Rev.2).

36. WP.29 adopted the revised programme of work of WP.29 and Subsidiary Bodies based on document ECE/TRANS/WP.29/2020/1/Rev2. Further amendments may be

introduced in the 2021 programme of work for consideration at the March 2021 WP.29 session, based on input to be provided by GR Chairs.

37. The expert of the European Union introduced WP.29-182-17, the European Union's proposal for amendments to the programme of Work related to GRVA priorities for the year 2021. WP.29 proposed GRVA to consider this proposal at its December 2020 ad-hoc session when discussing the revision of the Framework Document on Automated Vehicles.

38. WP.29 took note of the communication from the UNECE Executive Secretary sent to Permanent Representatives of UNECE member States containing an update on the operational arrangements in place at the UNECE in response to combined impacts of the COVID-19 pandemic, financial constraints triggered by the liquidity crisis facing the UN Organization, and the ongoing renovation work at the Palais des Nations (Strategic Heritage Plan (SHP) on the conduct of business and mandate delivery (WP.29-182-15).

39. WP.29 endorsed the revised calendar of sessions for 2020 (WP.29-179-02/Rev.3), and the proposed calendar of sessions for 2021 (WP.29-182-02), taking note that the 2020 calendar had been impacted and that the 2021 calendar may need to be revised in light of circumstances described in the communication from the UNECE Executive Secretary.

40. WP.29 supported the proposal that GRVA hold one additional session on 14-16 December 2020 and one additional session in 2021, to take place in late May or early June.

41. WP.29 supported the proposal that GRSG hold one additional session on 11 January 2021.

42. WP.29 requested that the UNECE leadership facilitate priority access to resources necessary for the conduct of business and delivery of mandate of working parties dealing with legal instruments and regulations annexed to them, during the ongoing disruptions stemming from the Covid-19 pandemic and the liquidity crisis that the UN was experiencing.

43. The World Forum took note of the list of Working Parties and Chairs (WP.29-182-01), requesting the update of expiry date of mandates of WP.29 subsidiary IWG.

44. The 2021 revised calendar of meetings and the list of Working Parties, IWGs and Chairs are reproduced in Annexes II and III to this report.

45. WP.29 considered informal document WP.29-182-16, the progress in the implementation of the ITC Strategy by WP.29 and GRs, and endorsed it for submission to the ITC Bureau November 2020 session for consideration.

46. The Secretary informed WP.29 that these additional sessions for GRSG and GRVA were not yet confirmed by the administration.

C. Intelligent Transport Systems and coordination of automated vehicles related activities (agenda item 2.3)

Documentation: ECE/TRANS/WP.29/2019/34/Rev.2
Informal document: WP.29-182-12

47. WP.29 received the oral report of the representative of United Kingdom of Great Britain and Northern Ireland, Co-Chairs of the IWG on ITS, mentioning that the group, at its second session on 6 November 2020, (i) reviewed the draft revised UNECE Road Map on Intelligent Transport Systems and recommended its endorsement by WP.29, (ii) discussed the offer of UNECE and the International Telecommunications Union (ITU) to organize the first session of the 2021 Future Networked Car event, which will be dedicated to regulatory activities on automated and connected vehicles and (iii) received a presentation on Vehicle-to-Everything (V2X) communication for Cooperative Driving Automation from the expert from Japan, Mr. N. Ogawa, working for ITS research in Technical Research department of Mazda Motor Corporation Tokyo HQ and member of the Strategic Innovation Promotion Program (SIP) Automated Driving System for Universal Service (ADUS) initiative, which is a project of the Japanese Government.

48. WP.29 considered and endorsed the draft revised UNECE Road Map on Intelligent Transport Systems (ITS) proposed in WP.29-182-12. WP.29 requested the secretariat to submit it, as amended during the session, to ITC and its Bureau at its November 2020 session, for preparation of the eighty third session of ITC.

49. WP.29 proposed that delegates of the IWG on ITS and delegates of GRVA IWGs working on relevant topics, represent the World Forum at annual Future Networked Car events that are organized by the International Telecommunications Union (ITU).

50. WP.29 noted the information mentioned by the representative of ITU concerning the allocation of frequencies dedicated to vehicle to vehicle communication and decided to further discuss this point at its March 2021 session.

51. WP.29 endorsed the extension of the mandate of the IWG on ITS until November 2025.

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

A. Working Party on General Safety Provisions (GRSG) (118th session, 15-17 July 2020) (agenda item 3.1)

Documentation: ECE/TRANS/WP.29/GRSG/97

52. The World Forum approved the report of the Chair of GRSG on its 118th session (ECE/TRANS/WP.29/GRSG/97).

B. Working Party on Passive Safety (GRSP) (Sixty-seventh session, 20-24 July 2020) (agenda item 3.2)

Documentation: ECE/TRANS/WP.29/GRSP/65

53. The World Forum approved the report of the Chair of GRSP on its sixty-seventh session (ECE/TRANS/WP.29/GRSP/65).

C. Working Party on Pollution and Energy (GRPE) (eighty-first session, 9-11 June 2020) (agenda item 3.3)

Documentation: ECE/TRANS/WP.29/GRPE/81

54. The World Forum approved the report of the Chair of GRSG on its eighty-first session (ECE/TRANS/WP.29/GRPE/81).

D. Highlights of the recent sessions (agenda item 3.6)

1. Working Party on Pollution and Energy (GRPE) (eighty-first session, 9-11 June 2020) (agenda item 3.6.1)

55. The Chair of GRPE (Netherlands) reported to WP.29 on the results achieved by GRPE during its eighty-first session (for more details see the report of the session ECE/TRANS/WP.29/GRPE/81).

56. GRPE endorsed a proposal for a new UN Regulation on Global Real Driving Emissions (RDE), along with proposals for Supplements 13, 15 and 12 to the 05, 06 and 07 series of amendments to UN Regulation No. 83 (Emissions of M₁ and N₁ vehicles) and Supplement 9 to UN Regulation No. 115 (LPG and CNG retrofit systems). GRPE also endorsed a proposal for a new UN GTR on the Determination of Electrified Vehicle Power (DEVPP), along with new Amendments 6 and 1 to UN GTR No. 15 and 18 respectively.

Finally, GRPE endorsed a proposal to amend Mutual resolution No. 3 (M.R.3) on Vehicle Interior Air Quality (VIAQ).

57. The Chair of GRPE clarified that the vote on the new UN Regulation on RDE had been withdrawn as discussions related to the conformity factor were still ongoing.

58. GRPE agreed to enlarge the scope of the activities of the IWG on PMP to include on-road measurements, and to extend the mandate to the IWGs on VIAQ and EPPR until November and December 2025 respectively. GRPE paid tribute to the work and achievements of the IWG on WLTP which ceased its activities with its mandate having expired.

59. WP.29 gave its consent to the above extensions and thanked the tremendous effort of the IWG on WLTP over the years.

60. GRPE agreed to create a dedicated section for "Documents for reference only" on the GRPE website, as already existing for other GRs. A clarification document for UN Regulation No. [154] on WLTP issued by the IWG on WLTP will be uploaded to assist Contracting Parties willing to apply this UN Regulation.

61. GRPE re-elected Mr. André Rijnders of the Netherlands as a Chair, and Mr. Duncan Kay of the UK as a Vice-Chair for the year 2021.

2. Working Party on Passive Safety (GRSP) (Sixty-seventh session, 20-24 July 2020) (agenda item 3.6.2)

62. The representative of the United States of America, Chair of GRSP, informed WP.29 about the results made by his group during its sixty-seventh session (for details see the session report ECE/TRANS/WP.29/GRSP/67)

63. The World Forum noted that GRSP recommended proposal for Supplement 1 to UN Regulation No. [153] (Fuel system integrity and safety of electric power train in the event of a rear-end collision) as binding from its establishment, in order to have a consistent application of the UN Regulation by all contracting parties to the Agreement. Finally, WP.29 recommended that all Contracting Parties to the 1958 Agreement agree to consider Supplement 1 to UN Regulation No. [153] (ECE/TRANS/WP.29/2020/114) when issuing type approvals.

3. Working Party on Noise and Tyres (GRBP) (Seventy-second session, 7-9 September 2020) (agenda item 3.6.3)

64. The GRBP Chair reported on the results achieved by GRBP during its seventy-second session (for details, see the report of the session ECE/TRANS/WP.29/GRBP/70).

65. He mentioned that GRBP had adopted proposals for new series of amendments to UN Regulations No. 41 (Noise emissions of motorcycles), 141 (Tyre pressure monitoring system) and 142 (Installation of tyres). These proposals would be introduced to WP.29 and AC.1 at their March 2021 sessions for consideration and possible adoption.

66. He added that GRBP had not finalized its work on the new 01 series of amendments to UN Regulation No. 141 and would consider at its next session in January 2021 a Supplement on the communication interface between the towing vehicle and the trailer. In case of adoption by GRBP, he proposed to exceptionally submit this Supplement to the March 2021 session of WP.29, in a proper form, with the aim to merge it with the draft 01 series of amendments to UN Regulation No.141. WP.29 supported this idea.

67. He pointed out that, in view of the COVID-19 situation and delay in the activities of various IWGs, GRBP agreed to extend their mandates as follows:

- Quiet Road Transport Vehicles (QRTV) for GTR December 2021;
- Additional Sound Emission Provisions (ASEP) January 2022;
- Measurement Uncertainties (MU) January 2022;
- Wet grip performance for tyres in worn state (WGWT) September 2021.

68. WP.29 gave its consent to the above extensions.

69. WP.29 noted that GRBP had re-elected Mr. Serge Ficheux (France) as Chair and Mr. Andrei Bocharov (Russian Federation) as Vice-Chair for the sessions of GRBP scheduled for the year 2021.

4. Working Party on Automated/Autonomous and Connected Vehicles (GRVA) (Seventh session, 21–25 September 2020) (agenda item 3.6.4)

Documentation: Informal documents: WP.29-182-05, WP.29-182-06 and WP.29-182-19

70. The GRVA Chair reported on the results achieved by GRVA during its virtual informal session in lieu of the seventh session, held in accordance with the special procedures defined by the Executive Committee of UNECE. He informed that the decisions made by GRVA in September were submitted after the session for adoption by silence procedure. (For details, see the note by the Chair of the session ECE/TRANS/WP.29/GRVA/7).

71. He informed WP.29 that GRVA endorsed the principles listed in the WP.1 document ECE/TRANS/WP.1/2020/3, prepared by the representative of Canada and recommended it to WP.29.

72. He reported that GRVA had consulted AC.2 on the way forward for dealing (a) with amendment proposals to UN Regulation No. 157 in relation with the existing activities of the IWG on Functional Requirement for Automated Vehicles, (b) with amendment proposals to Automatically Commanded Steering Functions (ACSF), (c) with amendment proposals related to “hands off” level 2 and level 2 plus and (d) with Artificial Intelligence.

73. He informed WP.29 on the GRVA activities on Electro-Mechanical Braking systems and endurance braking performance applicable to some vehicles of Category M₃, N₃ and vehicles subject to Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), which are important developments to support the electrification of the goods transport. GRVA prepared an amendment proposal regarding endurance braking for Battery Electric Vehicles, which will be tabled for adoption in March 2021. WP.29 requested the secretariat to inform the Working Party on the Transport of Dangerous Good about these activities (WP.15).

74. WP.29 endorsed the proposal to restart activities on AEBS for heavy vehicles and supported the establishment of an IWG on AEBS for Heavy Vehicles.

75. WP.29 discussed the way forward for amendments to UN Regulation No. 152 and the two alternatives prepared by GRVA (WP.29-182-19). WP.29 requested the secretariat to prepare a draft new 02 series of amendments to UN Regulation No. 152, based on ECE/TRANS/WP.29/GRVA/2020/27 for consideration and vote at the March 2021 session. WP.29 invited GRVA to review that document at its December 2020 session.

76. WP.29 noted the very busy agenda of GRVA and therefore requested the secretariat to organize an ad-hoc GRVA session on 14-16 December 2020, following AC.2's recommendation. WP.29 agreed that only an official provisional agenda would be prepared and that GRVA would work on the basis of informal or existing official documents.

77. WP.29 endorsed informal documents WP.29-182-05 and WP.29-182-06. WP.29 requested the secretariat to issue them with an official symbol for the March 2021 session of WP.29.

78. WP.29 congratulated Mr. Richard Damm (Germany) on his re-election as Chair of GRVA for 2021 as well as Ms. Chen Chunmei (China) and Mr. Takao Onoda (Japan) on their re-election as Vice-Chairs for 2021.

5. Working Party on General Safety Provisions (GRSG) (118th session, 15-17 July 2020 and 119th session, 6-9 October 2020) (agenda item 3.6.5)

79. The GRSG Chair reported on the results achieved during the 118th and 119th session of GRSG (for more details see the report of the session ECE/TRANS/WP.29/GRSG/97 and ECE/TRANS/WP.29/GRSG/98).

80. He informed WP.29 that GRSG had agreed to request withdrawal of documents ECE/TRANS/WP.29/2020/100 and ECE/TRANS/WP.29/2020/123 from the agenda (item 4.7.1) of this session of WP.29 in order to resume considerations.

81. WP.29 endorsed the request to hold an additional GRSG session on 11 January 2021.

82. WP.29 agreed to extend the mandate for the IWG on EDR and DSSAD until March 2021.

83. WP.29 agreed to extend the mandate of the IWG on Awareness of Vulnerable Road Users Proximity until April 2022 and of the IWG on BMFE until October 2021.

84. WP.29 noted that GRSG had re-elected Mr. Antonio Erario (Italy) as Chair and Mr. Kyle Hendershot (Canada) as Vice-Chair for the year 2021.

6. Working Party on Lighting and Light-Signalling (GRE) (Eighty-third and eighty-fourth sessions, 19-23 October 2020) (agenda item 3.6.6)

85. The Chairman of GRE reported on the results of the eighty-third session of GRE (for details, see the report in ECE/TRANS/WP.29/GRE/83).

86. In particular, he informed WP.29 about GRE activities towards preparing new series of amendments to UN Regulation No. 48 with new requirements for the headlamp aiming and levelling and for the switching conditions of various lamps. He pointed out that GRE intended to finalize these amendment proposals at its next session in April 2021.

87. He also mentioned amendment proposals to various UN Regulations that had been prepared by the IWG on Simplification of Lighting and Light-Signalling UN Regulations (SLR) and subsequently approved by GRE. He added that, for the use of the Unique Identifier (UI), GRE had agreed with the IWG on SLR proposal to include new information in DETA and to provide access to this information to new categories of stakeholders and mandated IWG on SLR to bring this proposal to IWG on DETA for consideration.

88. WP.29 noted that GRE had elected Mr. Timo Kärkkäinen (Finland) as Chair and Mr. Derwin Rovers (Netherlands) as Vice-Chair for the year 2021. WP.29 thanked Mr. Michel Loccufier (Belgium), who had chaired GRE from 2015 to 2020, for his contributions.

VI. 1958 Agreement (agenda item 4)

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

89. The secretariat informed the World Forum about the latest update of the status of the 1958 Agreement, based on ECE/TRANS/WP.29/343/Rev.28, available at www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29docstts.html. WP.29 noted that contracting parties should notify the secretariat about any amendments needed to the status document via the new established online data base (/343app) only. The secretariat invited those Contracting Parties who had not yet notified their Single Points of Contact, to gain writing permission for the database, to do so as soon as possible.

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

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

90. No discussion took place under this agenda item.

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

91. No discussion took place under this agenda item.

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

Documentation: ECE/TRANS/WP.29/2020/101
Informal documents: WP.29-182-11

92. The Chair of the IWG on IWVTA presented the proposal for amendments (WP.29-182-11) to the General Guidelines for United Nations regulatory procedures and transitional provisions in UN Regulations (ECE/TRANS/WP.29/1044/Rev.2).

93. WP.29 endorsed WP.29-182-11 and requested the secretariat to issue a new Revision 3 of the General Guidelines for United Nations regulatory procedures and transitional provisions in UN Regulations, based on WP.29-182-11, for consideration and vote at its March 2021 session.

94. The World Forum considered the proposal for the 03 series of amendments to UN Regulation No. 0 (ECE/TRANS/WP.29/2020/101) and recommended its submission to AC.1 for voting.

D. Revision 3 to the 1958 Agreement (agenda item 4.4)

95. The Expert from ETRTO informed the World Forum that ETRTO was preparing a guidance document on implementation of the 1958 Agreement, which would be tabled for consideration at the March 2021 session of WP.29.

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

Documentation: Informal documents: WP.29-182-07 and WP.29-182-14

96. The representative from Germany, Chair of the IWG on DETA, updated the World Forum concerning the work of the IWG at its thirty-ninth session, held on 04 November 2020. He proposed that WP.29 consider and endorse the Guidelines for the use of DETA with regard to the exchange of information on Cyber Security (WP.29-182-07)

97. WP.29 endorsed informal document WP.29-182-07.

98. The Secretary updated WP.29 on the situation for hosting DETA at UNECE recalling the blocking of regular budget funding at the Administrative and Budget Committee (Fifth Committee) of the UN General Assembly. He proposed to seek alternative funding possibilities in close cooperation with interested Contracting Parties and stakeholders.

99. WP.29 noted that the development of additional functionalities, Unique Identifier, UI, and Declaration of Conformity, DoC, funded by private sector stakeholders was blocked due to contractual issues. OICA, CLEPA, ETRTO and CITA confirmed their continued availability to fund these developments but asked for support from UNECE to overcome contracting issues as soon as possible; OICA referred to the WHDC (World Harmonised Driving Cycle for heavy duty vehicles) which included, some 20 years ago, a test programme funded by industry and suggested that it could be useful to review the contracting procedures that were used at that time.

F. Consideration of draft amendments to existing UN Regulations submitted by GRE (agenda item 4.6)

100. WP.29 noted that no document had been submitted under this agenda item.

G. Consideration of draft amendments to existing UN Regulations submitted by GRSG (agenda item 4.7)

Documentation: ECE/TRANS/WP.29/2020/83
ECE/TRANS/WP.29/2020/102
ECE/TRANS/WP.29/2020/103
ECE/TRANS/WP.29/2020/104
ECE/TRANS/WP.29/2020/105
ECE/TRANS/WP.29/2020/132

101. Draft amendments under agenda items 4.7.1. to 4.7.6. were submitted to AC.1 for voting.

H. Consideration of draft amendments to existing UN Regulations submitted by GRSP (agenda item 4.8)

Documentation: ECE/TRANS/WP.29/2020/106
ECE/TRANS/WP.29/2020/107
ECE/TRANS/WP.29/2020/108
ECE/TRANS/WP.29/2020/109
ECE/TRANS/WP.29/2020/110
ECE/TRANS/WP.29/2020/111
ECE/TRANS/WP.29/2020/112
ECE/TRANS/WP.29/2020/113
ECE/TRANS/WP.29/2020/114

102. WP.29 recommended to submit document ECE/TRANS/WP.29/2020/112 to AC.1 with deletion of proposed new paragraph 15.5.6.

103. The representative of OICA suggested further discussions at the next GRSP session in order to clarify possible ambiguities in the scope of UN Regulation No. 100, amended by ECE/TRANS/WP.29/2020/109. However he supported the adoption of the current proposal.

104. Draft amendments under agenda items 4.8.1. to 4.8.9. were submitted to AC.1 for voting.

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

Documentation: ECE/TRANS/WP.29/2020/115
ECE/TRANS/WP.29/2020/116
ECE/TRANS/WP.29/2020/117
ECE/TRANS/WP.29/2020/118

105. Draft amendments under agenda items 4.9.1. to 4.9.4. were submitted to AC.1 for voting.

J. Consideration of draft amendments to existing UN Regulations submitted by GRVA (agenda item 4.10)

Documentation: ECE/TRANS/WP.29/2020/119

106. The draft amendment under agenda item 4.10.1. was submitted to AC.1 for voting.

K. Consideration of draft corrigenda to existing UN Regulations submitted by GRs, if any (agenda item 4.11)

107. WP.29 noted that no document had been submitted under this agenda item.

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

108. WP.29 noted that no document had been submitted under this agenda item.

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

Documentation: ECE/TRANS/WP.29/2020/121
ECE/TRANS/WP.29/2020/122

109. Draft new UN Regulations under agenda items 4.13.2 and 4.13.3 were submitted to AC.1 for voting.

110. The representative from OICA stated that their experts may submit a proposal related to the draft new UN Regulation on Moving Off Information Systems (ECE/TRANS/WP.29/2020/122) to the GRSG session scheduled for 11 January 2021. However, he confirmed that OICA would not be opposed to the adoption of this new UN Regulation.

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)

111. WP.29 noted that no document had been submitted under this agenda item.

O. Proposal for amendments to the Consolidated Resolution on the common specification of light source categories (R.E.5) (agenda item 4.15)

112. WP.29 noted that no document had been submitted under this agenda item.

P. Consideration of pending proposals for amendments to existing UN Regulations submitted by the Working Parties subsidiary to the World Forum, if any (agenda item 4.16)

113. WP.29 noted that no document had been submitted under this agenda item.

Q. Proposal for amendments to Mutual Resolution (agenda item 4.17)

Documentation: ECE/TRANS/WP.29/2020/124

114. The World Forum approved the amendments to the Mutual Resolution of the 1958 and 1998 Agreements. This would need to be reconfirmed by the Executive Committee of the 1998 Agreement (AC.3).

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.28
Informal document: WP.29-182-10

115. The World Forum agreed that agenda items 5.2 to 5.5 related to the 1998 Agreement should be considered in detail under agenda items 15 to 20 prepared for the Executive Committee of the 1998 Agreement, WP.29/AC.3.

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

116. The World Forum agreed to keep this item on its agenda awaiting additional presentations.

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.15 and Add.1

117. WP.29 noted ECE/TRANS/WP.29/1074/Rev.15 and Add.1 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.

B. Update of existing Rules annexed to the 1997 Agreement (agenda item 7.2)

118. WP.29 noted that no document had been submitted under this agenda item.

C. Amendments to the 1997 Agreement (agenda item 7.3)

Documentation: (ECE/TRANS/WP.29/2020/38)

119. The secretariat recalled that ECE/TRANS/WP.29/2020/38, adopted in March 2020, provided a consolidated version of the 1997 Agreement.

D. Establishment of new Rules annexed to the 1997 Agreement (agenda item 7.3)

120. WP.29 noted that no document had been submitted under this agenda item.

E. Update of Resolution R.E.6 related to requirements for testing equipment, for skills and training of inspectors and for supervision of test centres (agenda item 7.5)

Documentation: ECE/TRANS/WP.29/2019/120
Informal document: WP.29-182-13

121. The World Forum approved the two documents amending Resolution R.E.6 on requirements for testing equipment, for skills and training of inspectors and for supervision of test centres.

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)

122. WP.29 agreed to defer consideration of this agenda item to the next session.

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

Documentation: ECE/TRANS/WP.1/2020/3

123. The representative of Canada introduced ECE/TRANS/WP.1/2020/3. The secretariat recalled the recommendation of GRVA concerning this document (see para. 71). WP.29 endorsed without any reservation the principles proposed in this document.

C. Safer vehicles as the third pillar of the global plan for the decade of action for road safety (agenda item 8.3)

Documentation: Informal document: WP.29-182-09

124. The secretariat presented WP.29-182-09, the Inland Transport Committee and Road Safety Progress Report of the ECE Road Safety Action Plan 2011-2020. WP.29 took note of the document and extended its support to activities and achievements described. WP.29 noted the great extent of WP.29 work contribution in enhancing road-safety and that the document would be presented at the 2021 session of the Inland Transport Committee. Finally, the World Forum requested that a similar document would be performed by the secretariat for the next decade of action proclaimed by the General Assembly Resolution (A/74/L.86) for the period 2021-2030.

D. Documents for publication (agenda item 8.4)

Documentation: Informal documents: WP.29-182-21 and WP.29-182-22

125. WP.29 noted the overview of proposals, adopted at the 182st session, and their envisaged entry into force, as well as the results of the WP.29/GR virtual meetings survey, which was launched and disseminated among participants of sessions of WP.29 and GRs that were held in an online format due to the COVID-19 pandemic between June and October 2020.

E. Election of officers (agenda item 8.5)

126. The World Forum elected Mr. Antonio Erario and Mr. Sergey Anikeev as Chair and Vice-chair, respectively, of the WP.29 for its 2021 sessions.

127. WP.29 commended the outgoing Chair of the World Forum, Mr. Boris Kisulenko, for his more than 15 years of leadership and outstanding contribution to the activities, achievements and worldwide recognition of the World Forum. Delegates extended their best wishes to Mr. Kisulenko in his future activities.

F. Tributes

128. The World Forum paid tribute to the delegate from Austria, Mr. Franz Wurst, who had passed away in October 2020, praising his outstanding contribution to the work of WP.29

during his tenure as a delegate representing Austria and extended its sincere condolences to his family, colleagues and friends .

XI. Adoption of the report (agenda item 9)

129. The World Forum adopted the report on its 182nd session and its annexes based on a draft prepared by the secretariat under COVID-19 special procedures. The report included sections related to the seventy-sixth session of the Administrative Committee (AC.1) of the 1958 Agreement, to the fifty-ninth session of the Executive Committee (AC.3) of the 1998 Agreement and to the fifteenth session of Administrative Committee (AC.4) of the 1997 Agreement.

B. Administrative Committee of the 1958 Agreement (AC.1)

XII. Establishment of the Committee AC.1 (agenda item 10)

130. The AC.1 voting followed the special proceedings during COVID-19 period, which had been adopted by all Contracting Parties to the 1958 Agreement under a silence procedure on 30 October 2020. The written procedure, had been initiated on 03 November 2020 13:00h CET and had lasted for 72 hours, ending on 06 November 2020 13:00h CET. The seventy-sixth, online, session of AC.1 was held on 11 November 2020.

131. Of the 56 contracting parties to the agreement, 39 were represented by taking part in the written procedure and at the online AC.1 session, its seventy-sixth session, on 11 November 2020.

132. AC.1 invited the Vice-Chair of WP.29 to chair the online session.

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

133. The results of the voting on the documents submitted are in the following tables, following the rules of procedure of article 12 and the appendix of Revision 3 to the 1958 Agreement:

<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>				
13	Heavy vehicle braking	50	36	2020/119	36/0/0	Suppl.17 to 11	*
16	Safety-belts	49	35	2020/112	35/0/0	Suppl.6 to 07	*
16	Safety-belts	49	35	2020/113	35/0/0	Suppl.3 to 08	*
17	Strength of seats, their anchorages and head restraints	50	36	2020/106	36/0/0	10 series	*
35	Foot controls	34	21	2020/102	11/0/10	01 series	
44	Child restraint systems	46	34	2020/111	34/0/0	04 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>				
55	Mechanical couplings	46	33	2020/103	33/0/0	Suppl. 1 to 02	*
55	Mechanical couplings	46	33	2020/132	33/0/0	Suppl. 9 to 01	*
83	Emissions of M ₁ and N ₁ vehicles	47	34	2020/115	34/0/1	Suppl.13 to 05	*
83	Emissions of M ₁ and N ₁ vehicles	47	34	2020/116	34/0/1	Suppl.15 to 06	*
83	Emissions of M ₁ and N ₁ vehicles	47	34	2020/117	34/0/1	Suppl.12 to 07	*
93	Front underrun protective devices	43	33	2020/83	33/0/0	Suppl.1 to 00	*
94	Frontal collision protection	44	33	2020/107	33/0/0	04 series	*
95	Lateral collision	43	33	2020/108	33/0/0	05 series	*
100	Electric power trained vehicles	50	36	2020/109	36/0/0	03 series	*
115	LPG and CNG retrofit systems	52	36	2020/118	36/0/0	Suppl.9 to 00	*
137	Frontal impact with focus on restraint systems	55	38	2020/110	37/0/1	02 series	*
144	Accident Emergency Call Systems (AECS)	56	39	2020/104	38/0/1	Suppl.1 to 01	*
151	Blind Spot Information Systems (BSIF)	56	39	2020/105	38/0/1	Suppl.2 to 00	*
[153]	Fuel system integrity and safety of electric power train in the event of a rear-end collision	56	39	2020/114	38/0/1	Suppl.1 to 00	*

<i>New UN Regulations</i>					
<i>UN Regulation No.</i>	<i>Subject of the UN Regulation</i>	<i>Contracting Parties represented and voting</i>	<i>Document: ECE/TRANS/WP.29/...</i>	<i>Voting result: for/against/abstentions</i>	<i>Remark</i>
[159]	Reversing motion and motor vehicles with regard to the driver's awareness of vulnerable road users behind vehicle (Reserving motion)	39	2020/121	38/0/1	*
[160]	Moving Off Information System for the Direction of Pedestrians and Cyclists (Moving Off Information Systems)	39	2020/122	38/0/1	*

* The European Union voting on behalf of its member States and the United Kingdom of Great Britain and Northern Ireland.

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

XIV. Establishment of the Executive Committee AC.3 (agenda item 12)

134. The fifty-ninth session of the Executive Committee (AC.3) was held on 11 November 2020 and chaired by the representative of the United States of America. Decision taking and voting followed the special proceedings during COVID-19 period, which had been adopted by all Contracting Parties to the 1998 Agreement under a silence procedure on 30 October 2020. The representatives of 14 of the 38 contracting parties to the agreement attended: Australia, Canada, China, European Union (representing Cyprus, Finland, France, Germany, Hungary, Italy, Lithuania, Luxembourg, Netherlands, Romania, Slovakia, Slovenia, Spain, Sweden and voting for United Kingdom of Great Britain and Northern Ireland), India, Japan, Malaysia, Nigeria, Norway, Republic of Korea, Russian Federation, South Africa, Tunisia and United States of America.

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.28
Informal document: WP.29-182-10

135. AC.3 noted the information, as of 3 November 2020, on the status of the Agreement of the Global Registry and of the Compendium of Candidates (ECE/TRANS/WP.29/1073/Rev.28), the status of the priorities of the 1998 Agreement (based on WP.29-182-10 as reproduced in Annex IV to this report) and items on which the exchange of views should continue. AC.3 noted that notifications and the mandatory reports on the transposition process through their Permanent Missions in Geneva to the secretariat, are publicly accessible at: <https://wiki.unece.org/display/TRAN/Home>. AC.3 recalled its agreement to always send the above-mentioned reports and notifications through their Permanent Missions in Geneva and directly to the secretariat (email: edoardo.gianotti@un.org) to ensure updating of the status document, which is the monitoring tool of the agreement. AC.3 noted that since March 2020, no status reports or final notifications were submitted. Therefore, AC.3 warmly reiterated its request to its Contracting Parties to send the above-mentioned status report and notifications as one of the main obligations of the 1998 Agreement. Moreover, it was noted that this action would imply that representatives would provide the secretariat with the coordinates of their corresponding focal points to the agreement, appointed in their capitals to draft the reports and notifications to keep them informed in the exchange of information through the above-mentioned website.

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

A. Proposal for a new UN GTR on the determination of Electrified Vehicle Power (DEVP) (agenda item 14.1)

Documentation: ECE/TRANS/WP.29/2020/125
ECE/TRANS/WP.29/2020/126
ECE/TRANS/WP.29/AC.3/53

136. Submitted for consideration and vote, the new UN GTR determination of Electrified Vehicle Power (DEVP) (ECE/TRANS/WP.29/2020/125, ECE/TRANS/WP.29/2020/126, ECE/TRANS/WP.29/AC.3/53) was established in the UN Global Registry on 11 November

2020 by consensus vote of the following contracting parties present and voting: Australia, Canada, China, the European Union (representing Cyprus, Finland, France, Germany, Hungary, Italy, Lithuania, Luxembourg, the Netherlands, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom of Great Britain and Northern Ireland), India, Japan, Norway, the Republic of Korea, the Russian Federation, South Africa and the United States of America.

137. Malaysia, Nigeria and Tunisia abstained from voting.

B. Proposal for Amendment 1 to UN GTR No. 7 (Head restraints) (agenda item 14.2)

Documentation: ECE/TRANS/WP.29/2020/85
ECE/TRANS/WP.29/2020/86
ECE/TRANS/WP.29/AC.3/25/Rev.1

138. Submitted for consideration and vote Amendments 1 to UN GTR No. 7 – Head restraints (ECE/TRANS/WP.29/2020/85, ECE/TRANS/WP.29/2020/86, and ECE/TRANS/WP.29/AC.3/25/Rev.1) were adopted on 11 November 2020 by consensus vote of the following contracting parties present and voting: Australia, China, the European Union (representing Cyprus, Finland, France, Germany, Hungary, Italy, Lithuania, Luxembourg, the Netherlands, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom of Great Britain and Northern Ireland), India, Japan, Nigeria, Norway, the Republic of Korea, the Russian Federation and South Africa.

139. Canada, Malaysia, Tunisia and United States of America abstained from voting.

C. Proposal for Amendment 6 to UN GTR No. 15 (WLTP) (agenda item 14.3)

Documentation: ECE/TRANS/WP.29/2020/127
ECE/TRANS/WP.29/2020/128
ECE/TRANS/WP.29/AC.3/44

140. Submitted for consideration and vote Amendments 6 to UN GTR No. 15 – WLTP (ECE/TRANS/WP.29/2020/127, ECE/TRANS/WP.29/2020/128, and ECE/TRANS/WP.29/AC.3/25/44) were adopted on 11 November 2020 by consensus vote of the following contracting parties present and voting: Australia, China, the European Union (representing Cyprus, Finland, France, Germany, Hungary, Italy, Lithuania, Luxembourg, the Netherlands, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom of Great Britain and Northern Ireland), India, Japan, Nigeria, Norway, the Russian Federation and South Africa.

141. Canada, Malaysia, Tunisia, the Republic of Korea and United States of America abstained from voting.

D. Proposal for Amendment 1 to UN GTR No. 18 (On-Board Diagnostic (OBD) systems for L-category vehicles) (agenda item 14.4)

Documentation: ECE/TRANS/WP.29/2020/129
ECE/TRANS/WP.29/2020/130
ECE/TRANS/WP.29/AC.3/36/Rev.1

142. Submitted for consideration and vote Amendments 1 to UN GTR No. 18 – On-Board Diagnostic (OBD) systems for L-category vehicles (ECE/TRANS/WP.29/2020/129, ECE/TRANS/WP.29/2020/130, and ECE/TRANS/WP.29/AC.3/36/Rev.1) were adopted on 11 November 2020 by consensus vote of the following contracting parties present and voting: Australia, Canada, China, the European Union (representing Cyprus, Finland, France, Germany, Hungary, Italy, Lithuania, Luxembourg, the Netherlands, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom of Great Britain and Northern Ireland),

India, Japan, Nigeria, the Russian Federation, South Africa, and the United States of America.

143. Malaysia, Norway, Tunisia and the Republic of Korea abstained from voting.

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

A. Listing Number 1: Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control; Requirements; Final Rule (agenda item 15.1)

Documentation: ECE/TRANS/WP.29/2020/89

144. The item was submitted for consideration and vote, and re-affirmed in the Compendium on 11 November 2020 by Australia, Canada, China, India, Japan, Malaysia, Nigeria, Norway, Republic of Korea, Russian Federation, South Africa, and the United States of America. The European Union (representing Cyprus, Finland, France, Germany, Hungary, Italy, Lithuania, Luxembourg, Netherlands, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom of Great Britain and Northern Ireland) and Tunisia abstained from voting. The request (ECE/TRANS/WP.29/2020/89) submitted would be appended to the listed technical regulation.

B. Listing Number 2: Tier 2 Motor Vehicle Emissions Standards and Gasoline Sulfur Control Requirements; Final Rule (agenda item 15.2)

Documentation: ECE/TRANS/WP.29/2020/90

145. The item was submitted for consideration and vote, and re-affirmed in the Compendium on 11 November 2020 by Australia, Canada, China, India, Japan, Malaysia, Nigeria, Norway, Republic of Korea, Russian Federation, South Africa, and the United States of America. The European Union (representing Cyprus, Finland, France, Germany, Hungary, Italy, Lithuania, Luxembourg, Netherlands, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom of Great Britain and Northern Ireland) and Tunisia abstained from voting. The request (ECE/TRANS/WP.29/2020/90) submitted would be appended to the listed technical regulation.

C. Listing Number 3: Control of Emissions of Air Pollution from Non-road Diesel Engines and Fuel; Final Rule (agenda item 15.3)

Documentation: ECE/TRANS/WP.29/2020/91

146. The item was submitted for consideration and vote, and re-affirmed in the Compendium on 11 November 2020 by Australia, Canada, China, India, Japan, Malaysia, Nigeria, Norway, Republic of Korea, Russian Federation, South Africa, and the United States of America. The European Union (representing Cyprus, Finland, France, Germany, Hungary, Italy, Lithuania, Luxembourg, Netherlands, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom of Great Britain and Northern Ireland) and Tunisia abstained from voting. The request (ECE/TRANS/WP.29/2020/91) submitted would be appended to the listed technical regulation.

D. Listing Number 5: Federal Motor Vehicle Safety Standard; FMVSS No. 108 Lamps, Reflective devices and Associated Equipment and its appended documentation (agenda item 15.4)

Documentation: ECE/TRANS/WP.29/2020/133

147. The item was submitted for consideration and vote, and re-affirmed in the Compendium on 11 November 2020 by Australia, Canada, China, India, Japan, Malaysia, Nigeria, Norway, Republic of Korea, Russian Federation, South Africa, and the United States of America. The European Union (representing Cyprus, Finland, France, Germany, Hungary, Italy, Lithuania, Luxembourg, Netherlands, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom of Great Britain and Northern Ireland) and Tunisia abstained from voting. The request (ECE/TRANS/WP.29/2020/133) submitted would be appended to the listed technical regulation.

E. Listing Number 6: Federal Motor Vehicle Safety Standard; FMVSS No. 135 Passenger Car Braking Systems and its appended documentation (agenda item 15.5)

Documentation: ECE/TRANS/WP.29/2020/134

148. The item was submitted for consideration and vote, and re-affirmed in the Compendium on 11 November 2020 by Australia, Canada, China, India, Japan, Malaysia, Nigeria, Norway, Republic of Korea, Russian Federation, South Africa, and the United States of America. The European Union (representing Cyprus, Finland, France, Germany, Hungary, Italy, Lithuania, Luxembourg, Netherlands, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom of Great Britain and Northern Ireland) and Tunisia abstained from voting. The request (ECE/TRANS/WP.29/2020/134) submitted would be appended to the listed technical regulation.

F Listing Number 7: Federal Motor Vehicle Safety Standard; FMVSS No. 139 New Pneumatic Radial Tires for Light Vehicles and its appended documentation (agenda item 15.6)

Documentation: ECE/TRANS/WP.29/2020/135

149. The item was submitted for consideration and vote, and re-affirmed in the Compendium on 11 November 2020 by Australia, Canada, China, India, Japan, Malaysia, Nigeria, Norway, Republic of Korea, Russian Federation, South Africa, and the United States of America. The European Union (representing Cyprus, Finland, France, Germany, Hungary, Italy, Lithuania, Luxembourg, Netherlands, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom of Great Britain and Northern Ireland) and Tunisia abstained from voting. The request (ECE/TRANS/WP.29/2020/135) submitted would be appended to the listed technical regulation.

G. Listing Number 9: Federal Motor Vehicle Safety Standard; FMVSS No. 213 Child Restraint and its appended documentation (agenda item 15.7)

Documentation: ECE/TRANS/WP.29/2020/136

150. The item was submitted for consideration and vote, and re-affirmed in the Compendium on 11 November 2020 by Australia, Canada, China, India, Japan, Malaysia, Nigeria, Norway, Republic of Korea, Russian Federation, South Africa, and the United States of America. The European Union (representing Cyprus, Finland, France, Germany, Hungary, Italy, Lithuania, Luxembourg, Netherlands, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom of Great Britain and Northern Ireland) and Tunisia abstained from voting. The request (ECE/TRANS/WP.29/2020/136) submitted would be appended to the listed technical regulation.

XVIII. Consideration of amendments to Mutual Resolution No.3 Concerning Vehicle Interior Air Quality (VIAQ)

Documentation: ECE/TRANS/WP.29/2020/124

151. Submitted for consideration and vote Amendments 1 to Mutual Resolution No.3 Concerning Vehicle Interior Air Quality (VIAQ) was adopted on 11 November 2020 by consensus vote of the following contracting parties present and voting: Australia, China, the European Union (representing Cyprus, Finland, France, Germany, Hungary, Italy, Lithuania, Luxembourg, the Netherlands, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom of Great Britain and Northern Ireland), India, Japan, the Russian Federation and South Africa.

152. Canada, Nigeria, Tunisia and United States of America abstained from voting.

XIX. 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 17)

153. No discussion took place under this agenda item.

XX. Exchange of information on new priorities to be included in the programme of work (agenda item 18)

Documentation: ECE/TRANS/WP.29/2019/31/Rev.1

154. No discussion took place under this agenda item.

XXI. Progress on the development of new UN GTRs and of amendments to established UN GTRs (agenda item 5.5 corresponding to agenda item 19)

A. UN GTR No. 1 (Doors locks and door retention components) (agenda item 19.1)

155. No new information was provided under this agenda item. AC.3 agreed to keep this agenda item until a new proposal would be submitted.

B. UN GTR No. 2 (Worldwide Motorcycle emission Test Cycle (WMTC)) (agenda item 19.2)

156. The representative of the European Union announced that the activities on updating Amendment 4 to UN GTR No.2 had faced some delays because of the sanitary situation but that improvements to Amendment 4 are still planned for 2021 to correct editorial mistakes and to simplify some provisions as requested by Contracting Parties. He also highlighted that further updates would be considered in the near future to extend the scope of UN GTR No.2 to include powered three-wheelers.

C. UN GTR No. 3 (Motorcycle braking) (agenda item 19.3)

Documentation: ECE/TRANS/WP.29/AC.3/47

157. The representative of Italy recalled that a proposal for an amendment to UN GTR No. 3 had been adopted at the June 2020 session of AC.3. He added that further activities would be undertaken if alignment of UN Regulation No. 78 and UN GTR No.3 would be warranted.

D. UN GTR No. 4 (Worldwide Heavy-Duty vehicle emission test Cycle (WHDC)) (agenda item 19.4)

158. No new information was provided under this agenda item. AC.3 agreed to keep this agenda item until a new proposal would be submitted.

E. UN GTR No. 5 (On-Board Diagnostic Systems (OBD)) (agenda item 19.5)

159. No new information was provided under this agenda item. AC.3 agreed to keep this agenda item until new proposal would be submitted.

F. UN GTR No. 6 (Safety glazing) (agenda item 19.6)

Documentation: ECE/TRANS/WP.29/AC.3/55

160. The representative of the Republic of Korea reported on the progress activities of IWG on Panoramic Sunroof Glazing (PSG), stating that the IWG had completed work on a new Mutual Resolution No. [4]. The document had been adopted at the October 2020 session of GRSG (ECE/TRANS/WP.29/GRSG/2020/3) and would be submitted for consideration and adoption at the March 2021 session of WP.29. He thanked, on the behalf of the Chair of the IWG on PSG, all members who participated actively in the IWG.

G. UN GTR No. 7 (Head restraints) (agenda item 19.7)

161. The representative of the United Kingdom of Great Britain and Northern Ireland, on behalf of the vice-chair of the Informal Working Group (IWG) on UN Global Technical Regulation (UN GTR) No. 7 - Phase 2, informed AC.3 that GRSP is expected at its December 2020 session to resume consideration of a proposal of Addendum to M.R.1. to incorporate drawings, specifications and manual of the BioRID test tool.

H. UN GTR No. 8 (Electronic stability control systems (ESC)) (agenda item 19.8)

Documentation: ECE/TRANS/WP.29/AC.3/56

162. The representative of the Republic of Korea introduced the progress of the work on an amendment to UN GTR No. 8. He recalled that AC.1 adopted, at its June 2020 session, amendments to UN Regulation No. 140 (ESC) for allowing new innovative steering system which has a significantly lower steering gear ratio (e.g. steering-by-wire system). He added that, for the sake of keeping the consistency between the UN Regulation No.140 and UN GTR No.8, the Republic of Korea had submitted a proposal for amendments to UN GTR No.8 at the September 2020 GRVA session and that the document was being further developed to harmonize remaining minor language discrepancies between the UN Regulation and the UN GTR. AC.3 noted that GRVA would continue to discuss this proposal at its February 2021 session.

I. UN GTR No. 9 (Pedestrian safety) (agenda item 19.9)

Documentation: ECE/TRANS/WP.29/AC.3/45 and Rev.1

163. AC.3 noted that the Committee was expected to vote on Amendment 3 to the UN GTR concerning the headform testing, at its March 2021 session.

164. The representative of the Republic of Korea, on behalf of the Chair of the IWG on Deployable Pedestrian Protection Systems (DPPS), informed AC.3 about the progress of the work of the IWG on Amendment 4 to the UN GTR. He added that due to limitation caused by the COVID-19 pandemic, some issues still remained open, such as DPPS definition (e.g.: width, structural parts), detection area of impact, etc. He announced that the eighth IWG meeting would be held as a web-conference on 18 November 2020.

J. UN GTR No. 10 (Off-cycle emissions (OCE)) (agenda item 19.10)

165. No new information was provided under this agenda item. AC.3 agreed to keep this agenda item until new proposal would be submitted.

K. UN GTR No. 11 (Agricultural and forestry tractors and non-road mobile machinery emission test procedures) (agenda item 19.11)

166. No new information was provided under this agenda item. AC.3 agreed to keep this agenda item until new proposal would be submitted.

L. UN GTR No. 12 (Motorcycle Controls, Tell-tales and Indicators) (agenda item 19.12)

167. No new information was provided under this agenda item. AC.3 agreed to keep this agenda item until new proposal would be submitted.

M. UN GTR No. 13 (Hydrogen and Fuel Cell Vehicles (HFCV) – Phase 2) (agenda item 19.13)

Documentation: ECE/TRANS/WP.29/AC.3/49

168. The representative from the United States of America, on behalf of the co-sponsors (Japan, Republic of Korea and European Union) informed AC.3 about the work progress of IWG on Hydrogen and Fuel Cells Vehicles (HFCV) UN GTR No. 13, Phase 2. He explained that IWG has held only limited, virtual meetings with the most recent one held on 23, 26, and 27 of October 2020. He added that the group assessed the current status, informed each other of any developments in the domestic regulatory or research side, and discussed in detail the work in the task forces. He clarified that the IWG assessed its progress and identified the remaining challenges, such as for example: (a) the sled test criteria for heavy duty vehicles, (b) direction of the thermo-pressure release device/valve release in Heavy Duty Vehicles but also in light vehicles, (c) reduction of Nominal Work Pressure from 225 per cent to 200 per cent for containers under 35 MPa and 70 MPa. Moreover, he informed AC.3 that despite the constraints limiting round robin testing or face to face meetings, the IWG has begun drafting the text of the amendments to the UN GTR, but due to the delays beyond the Group's control, IWG needed an extension of the current mandate by 18 months. He also informed AC.3 that the outgoing Co-Chair Mr. Ito of Japan has taken on another position and at the October meeting, the IWG welcomed the new Co-Chair, first Co-Chairwoman, of the IWG, Ms. Yuko Sakamoto, also from METI of Japan. The Chair asked the Secretariat that the next iteration of the current WP.29 -182 -01e document, which lists the leaders of the WP.29 bodies and groups, be amended to reflect that change. Chair concluded by thanking formally to Mr. Ito for his leadership and contribution.

169. AC.3 endorsed the extension of the mandate of the IWG on HFCV until June 2022.

N. UN GTR No. 14 (Pole Side Impact (PSI)) (agenda item 19.14)

170. AC.3 agreed to defer discussion on this agenda item at its March 2021 session.

O. UN GTR No. 15 (Worldwide harmonized Light vehicle Test Procedures (WLTP) – Phase 2) (agenda item 19.15)

Documentation: ECE/TRANS/WP.29/AC.3/44

171. The representative of the EU recalled Amendment 6 to UN GTR No. 15 had just been adopted by AC.3, in which the new provisions were developed by the IWGs on WLTP and on PMP.

172. He emphasized the main modifications to UN GTR No. 15, among other improvements, offered new test procedures on a cold ambient temperature test and sub-23nm particulate number measurement.

P. UN GTR No. 16 (Tyres) (agenda item 19.16)

Documentation: ECE/TRANS/WP.29/AC.3/48/Rev.1

173. No new information was provided under this agenda item. AC.3 agreed to keep this agenda item until new proposal would be submitted.

Q. UN GTR No. 17 (Crankcase and evaporative emissions for two- or three-wheeled motor vehicles) (agenda item 19.17)

174. No new information was provided under this agenda item. AC.3 agreed to keep this agenda item until new proposal would be submitted.

R. UN GTR No.18 (On-board diagnostics for two- or three-wheeled motor vehicles) (agenda item 19.18)

175. The representative of the EU reminded AC.3 that Amendment 1 to UN GTR No.18 providing advanced requirements on On-Board Diagnosis (OBD), labelled as OBD2, had just been adopted by AC.3 and thanked the contribution of the IWG on EPPR to this new amendment.

S. UN GTR No. 19 (EVAPorative emission test procedure for the Worldwide harmonized Light vehicle Test Procedure (WLTP EVAP)) (agenda item 19.19)

Documentation: ECE/TRANS/WP.29/AC.3/44

176. No new information was provided under this agenda item. AC.3 agreed to keep this agenda item until new proposal would be submitted.

T. UN GTR No. 20 (Electric Vehicles Safety (EVS)) (agenda item 19.20)

Documentation: ECE/TRANS/WP.29/AC.3/50/Corr.1

177. The representative of the United States of America, on behalf of the co-sponsors (China, Japan, European Union and the members of IWG GTR No. 20, Phase 2), reported on the progress of the IWG meeting of EVS-GTR, Phase 2. He explained that IWG has held two virtual meetings via Webex with one more meeting of Co-Sponsors and all contracting parties, taking place on 13 November 2020, with the intention to schedule a full IWG meeting in mid-January 2021. He added that the IWG will continue to share information on

Contracting Parties' regulatory and research developments. He clarified that the IWG will focus on remaining technical issues, especially those requiring additional research and validation tests; continue to evaluate a proposal from OICA concerning in-use low energy criteria and also, like in the hydrogen IWG, study the sled test, because the acceleration values were too low and deemed inappropriate for heavy-duty vehicles. He also reported that the United States of America shared with the IWG research reports on battery diagnostics, battery thermal runaway triggering techniques, and management of stranded energy in a Rechargeable Electric Energy Storage System (REESS). Moreover, he informed AC.3 that even with the good progress made by the IWG, the Chair alerted the forum that an extension of the mandate may be needed and the IWG would inform AC.3 in advance. Finally, he thanked the Secretariat and Secretaries of WP.29 and IWGs for their continued diligent work and excellent professional support.

U. Draft UN GTR on Quiet Road Transport Vehicles (QRTV) (agenda item 19.21)

178. The representative of the United States of America, Chair of IWG on Quiet Road Transport Vehicle GTR (QRTV GTR), reported that the work of IWG would be resumed once several petitions to FMVSS No. 141 on Minimum Sound Requirements for Hybrid and Electric Vehicles had been considered. Meanwhile, AC.3 agreed with the WP.29 decision to extend the mandate of IWG until December 2021 (see paras. 67 and 68 above).

V. Draft UN GTR on Global Real Driving Emissions (GRDE) (agenda item 19.22)

Documentation: ECE/TRANS/WP.29/AC.3/54

179. The representative of the European Union informed AC.3 that the work to develop a new UN GTR on Global RDE had shifted focus, as the procedure that was initially envisaged for the phase 1 of the UN GTR was based on the EU approach that had been widely included in the new UN Regulation No. [XXX] on RDE. He emphasized the IWG on RDE would discuss a new approach to better engage all parties involved during the next session of GRPE in January 2021. He expected a revised authorization to develop the new UN GTR would be submitted to AC.3 in the forthcoming sessions.

W. Draft UN GTR on determination of electrified vehicle power (Electric vehicles and the environment) (agenda item 19.23)

Documentation: ECE/TRANS/WP.29/AC.3/46
ECE/TRANS/WP.29/AC.3/53

180. Following the adoption of the new UN GTR on Determination of Electrified Vehicle Power (DEVP) during this session of AC.3, the representative from the United States, Chair of the IWG on Electric Vehicle and the Environment (EVE), wished to thank all parties involved in the development of the provisions to measure power of hybrid and plug-in hybrid vehicles.

X. Proposal for a draft UN GTR on in-vehicle battery durability (Electric vehicles and the environment) (agenda item 19.23)

Documentation: ECE/TRANS/WP.29/AC.3/57

181. No new information was provided under this agenda item. AC.3 agreed to keep this agenda item until new proposal would be submitted.

XXII. Items on which the exchange of views and data should continue or begin (agenda item 20)**A. Harmonization of side impact (agenda item 20.1)****1. Side impact dummies (agenda item 20.1 (a))**

182. No subject was raised under this agenda item.

2. Pole side impact (agenda item 20.1 (b))

183. No subject was raised under this agenda item.

B. Specifications for the 3-D H-point machine (agenda item 20.2)

184. No new information was provided under this agenda item.

C. Event Data Recorder (EDR) (agenda item 20.3)

185. The Chair of GRSG recalled that the IWG on EDR/DSSAD was expected to deliver a new UN Regulation under the 1958 Agreement. He added that the IWG had prepared a document titled - Guidance on EDR performance elements appropriate for adoption in the 1958 and 1998 Agreement Resolutions or Regulations (ECE/TRANS/WP.29/2020/100) - which would be further developed and which was expected to be adopted at the March 2021 session of WP.29 along with the proposal for a new UN Regulation on EDR.

XXIII. Other business (agenda item 21)

186. The secretariat informed AC.3 about the publication of the brochure - Road Map for Accession to and Implementation of the UN 1998 Agreement - which was available on the website of the World Forum at:

https://www.unece.org/trans/main/wp29/roadmap_accession_implementation.html

D. Administrative Committee of the 1997 Agreement (AC.4)**XXIV. Establishment of the Committee AC.4 and election of officers for the year 2020 (agenda item 22)**

187. The Administrative Committee (AC.4) did not convene, as recommended by AC.2 during its 134th session.

XXV. Amendments to UN Rules annexed to the 1997 Agreement (agenda item 23)

188. No subject was raised under this agenda item.

XXVI. Establishment of new Rules annexed to the 1997 Agreement (agenda item 24)

189. No subject was raised under this agenda item.

XXVII. Other business (agenda item 25)

190. No subject was raised under this agenda item.
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