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World Forum for Harmonization of Vehicle Regulations

180th session

Geneva, 10–12 March 2020

Reports of the

**World Forum for Harmonization of Vehicle Regulations on
its 180th session**

**Administrative Committee of the 1958 Agreement on its
seventy-fourth session**

**Executive Committee of the 1998 Agreement on its fifty-
eighth session**

**Administrative Committee of the 1997 Agreement on its
thirteenth 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 180th session from 10 to 12 March 2020, 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): Albania, Austria, Belarus, Bosnia and Herzegovina,¹ Canada, Croatia, Finland, France, Germany, Hungary, Ireland, Italy, Japan, Latvia, Luxembourg, Malaysia, Netherlands,¹ Nigeria, Poland, Republic of Korea, Romania, Russian Federation,¹ South Africa, Spain, Sweden,¹ Switzerland, Turkey, United Kingdom of Great Britain and Northern Ireland (UK), and United States of America. Representatives of the European Union participated. The following international organization was represented: International Telecommunication Union (ITU). The following non-governmental organizations were also represented: Association for Emissions Control by Catalyst (AECC), European Association of Automotive Suppliers (CLEPA¹/MEMA/JAPIA),² Consumers International (CI), European Tyre and Rim Technical Organization (ETRTO), Federation Internationale des Grossistes, Importateurs et Exportateurs en Fournitures Automobiles (FIGIEFA), International Motor Vehicle Inspection Committee (CITA), International Motorcycle Manufacturers Association (IMMA), and International Organization of Motor Vehicle Manufacturers (OICA). Other non-governmental organizations were represented following Rule 1(d): American Automotive Policy Council (AAPC), Recreation Vehicle Industry Association (RVIA) and World Bicycle Industry Association (WBIA).¹ Other non-governmental organizations, private sector entities, independent experts and observers were represented: European Committee for Standardization (CEN).

II. Opening statements

2. The Vice-Chair of WP.29, Mr. A. Erario (Italy), acting as Chair for this session, welcomed delegates to the 180th session of WP.29 and opened the meeting. He recalled the exceptional circumstances of this session due to the Covid-19 outbreak. He welcomed delegates participating remotely to the session and informed the World Forum about the absence of the WP.29 Chair.

3. The Secretary of WP.29 provided information for meeting participants related to the Covid-19 outbreak, prevention and general precautions as well as on measures taken for this meeting.

4. The representative of Malaysia provided the World Forum with an update on automotive development in Malaysia, as part of the country's National Automotive Policy (NAP 2020) (WP.29-180-24). He stated that WP.29 had significant impact on NAP 2020 formulation especially in the area of safety regulations and administration enhancement in Malaysia. He also emphasized that NAP 2020 had aimed to transform the Malaysian automotive industry towards a connected mobility ecosystem by 2030. The representative of Malaysia concluded with stating that Malaysia would provide full support in the development of UN Regulations especially in the area of automated, autonomous and connected vehicles, namely the work carried out within the Working Party on Automated/Autonomous and Connected Vehicles (GRVA).

¹ Participating remotely.

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

III. Adoption of the agenda (agenda item 1)

Documentation: ECE/TRANS/WP.29/1150/Rev.1

Informal documents: WP.29-180-03 and WP.29-180-04

5. WP.29 adopted the annotated provisional agenda and the running order of the 180th session.
6. 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)

7. The 132nd session of WP.29/AC.2 (10 March 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), GRPE (Netherlands),³ GRVA (Germany), GRSG (Italy), GRSP (represented by United States of America delegate), the Vice-Chairs of GRSG (represented by Canada delegate), GRPE (United Kingdom of Great Britain and Northern Ireland), GRVA (Japan), the Chair of the Executive Committee (AC.3) of the 1998 Agreement (United States of America), and by the representatives of the European Union.³

8. AC.2 welcomed the work on strategic planning of the GRs by the Chairs of all GRs. AC.2 agreed to continue exchange in written and requested the AC.2 delegates to provide comments until 16 March 2020.

9. AC.2 discussed the Programme of Work (PoW) for 2020 that reflects both the relevant elements from the ITC Strategy as well the priorities of the work for the GRs. The revised PoW would be based on comments received.

10. Following these discussions, AC.2 decided to recommend to WP.29 that: (a) GRVA would have an additional half day on 21 September 2020 a.m.; (b) GRE task force on Autonomous Vehicle Signalling Requirements (AVSR) was invited to work together with the GRVA Informal Working Group (IWG) on Functional Requirements for Automated Vehicles (FRAV); and (c) AC.2 have two half-day sessions during WP.29 weeks in November for detailed preparation of the PoW for the following year.

11. AC.2 requested the secretariat to update the calendar of sessions for 2020 to reflect these changes (see WP.29-179-02/Rev.1).

12. AC.2 reviewed and adopted the provisional agenda for the 180th session and reviewed the draft of the 181st session of the World Forum, scheduled to be held in Geneva from 23 to 25 June 2020.

13. AC.2 discussed ITC decisions: Nos. 17 and 18 related to the Intelligent Transport Systems (ITS) Road Map and proposed the IWG on ITS to lead the activities for an update of the ITS Road Map; and No. 52 on the financing of DETA.

14. AC.2 approved the participation at the World Forum, under Rule 1(d) of the Rules of Procedure of WP.29, of the Non-Governmental Organization

- (a) The Imported Tyre Manufacturers Association (ITMA);
 - (b) International Association of the Body and Trailer Building Industry (CLCCR);
 - (c) European Agricultural Machinery (CEMA);
- and renewed the approval initially granted at its 126th session for
- (d) American Automotive Policy Council (AAPC);

³ Remote participation

- (e) Retread industry's trade association (BIPAVER);
- (f) European New Car Assessment Programme (Euro NCAP);
- (g) Federation of International Motorcycling (FIM);
- (h) Union Internationale des Transports Publics (UITP) Europe;
- (i) World Bicycle Industry Association (WBIA),

for the 2020-2021 biennium.

15. AC.2 recommended AC.4 to convene.

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

Documentation: ECE/TRANS/WP.29/2020/1
 Informal documents: WP.29-180-01, WP.29-180-02 and
 WP.29-179-02/Rev.1

16. The Secretary of WP.29 presented the 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).

17. WP.29 adopted the programme of work for 2020 based on document ECE/TRANS/WP.29/2020/1. Further amendments may be introduced in a revised document at the June 2020 WP.29 session, based on input to be provided by GR Chairs.

18. The World Forum took note of the list of Working Parties and Chairs (WP.29-180-01), the Priorities of work for the GRs (WP.29-180-02) and the revised 2020 calendar for WP.29 and its subsidiary bodies (WP.29-179-02/Rev.2). In line with the recommendation of AC.2, WP.29 agreed with the revised calendar of meetings for 2020.

19. The 2020 revised calendar of meetings and the list of Working Parties, Informal Working Groups (IWG) and Chairs are reproduced in Annexes III and IV to this report.

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

Documentation: Informal documents: WP.29-180-10, WP.29-180-18 and
 WP.29-180-19

20. The representative of Japan presented WP.29-180-19 introducing the progress of implementation of the Revised Road Vehicle Act for automated driving scheduled to entry into force on 1 April 2020 in Japan. He highlighted that technical requirements being developed would be consistent with the international ones discussed in WP.29 and Japan would apply them without delay when the relevant UN Regulations were established. which Japan continued to strongly contribute to finalizing.

21. The representative of Germany, Chair of GRVA, reported to WP.29 on the implementation of the Framework Document on Automated Vehicles (FDAV) and the programme in its Annex. He mentioned the completion of the work on Automated Lane Keeping System (ALKS) by the IWGs on Automated Controlled Steering Functions (ACSF), Event Data Recorder / Data Storage System for Automated Driving (EDR/DSSAD) and Validation Method for Automated Driving (VMAD) as well as the delivery of the IWG on Functional Requirements for Automated and Autonomous Vehicles (FRAV).

22. The representative of the United States of America, Co-Chair of IWG on FRAV, introduced WP.29-180-10, summarizing the group's work, suggesting FDAV improvements and presenting the group's consensus on high-level requirements. He noted that FRAV has held two full meetings contiguous with VMAD and more than 100 experts. He highlighted the group's concern to use accurate terms. The group discourages the use of "autonomous" as misleading and uses "minimal", not "minimum", risk manoeuvres (MRM) because an

MRM responds to road conditions and best available solutions. In addition to avoidance of injury or death and compliance with traffic laws, the group noted additional aspects such as behaviour consistent with safe and fluid traffic flows and attention to economic consequences such as destruction of property.

23. The representative of the United States of America reported that the group has identified automated vehicle configurations that fall outside the category definitions of Special Resolution S.R.1. He noted unallocated elements of the FDAV (i.e., vehicle maintenance and inspection, consumer education and training, crashworthiness and compatibility, and post-crash Automated Vehicle (AV) behaviour) pertinent to functional safety. He announced planned meetings in Paris (April 2020) and California (September 2020).

24. The representative of the United Kingdom of Great Britain and Northern Ireland welcomed the presentation but sought clarification as to whether the FRAV group had reached a conclusion regarding the use of Operational Design Domain (ODD) versus Operational Domain (OD), as stated in informal document 10. He added that the discussion on vehicle categories should not only concentrate on S.R.1 but also Consolidated Resolution R.E.3. He further suggested that it should also involve WP.1.

25. The representative of the United States of America answered that WP.29-180-10 presents the group's high-level consensus. However, ODD will be discussed in detail at its next session. He noted a proposal from China to establish the term "Operational Design Conditions" (ODC) based on the concern that ODD did not include dependency on driver status. Therefore, the group would be working to produce a more precise definition for ODD and other terms.

26. The representative of Finland supported the view that a common understanding with WP.1 would be needed. He also recalled the discussion at GRSG on categories for Automated Shuttles and welcomed the idea to review S.R.1 and R.E.3 and volunteered to participate in this work.

27. The representative of the United States welcomed the comments received. He stated that the delegates from WP.1 should join the meeting and contribute or present documents.

28. The Vice-Chair of WP.29 agreed that practical solutions should be discussed with WP.1 during the joint meeting (see agenda item 8.2). He also recalled that the IWG on FRAV would continue to report to GRVA.

29. The Secretary of the IWG on FRAV (AAPC) highlighted complementary WP.1 interests. For example, FRAV experts reached a high-level consensus that a vehicle should signal initiation of minimal risk manoeuvres to surrounding road users (WP.29-180-10, item 33). He suggested that WP.1 may wish to consider driver obligations for correct use of Automated Driving Systems (ADS) or prohibiting drivers from using devices intended to defeat ADS safety features (e.g., using weights to simulate the driver's hand on the steering wheel).

30. The representative of the United Kingdom of Great Britain and Northern Ireland explained that at the WP.1-WP.29 Executive Task Force meeting in June 2019, he undertook to prepare a comparison table of terms used by WP.29 and WP.1. He had been invited to present this information during the joint meeting.

31. The secretariat introduced WP.29-180-18 responding to the task assigned during the 179th session of WP.29 concerning the legal basis to draft lifecycle and lifetime related provisions under the 1958 Agreement.

32. The representative of France proposed to distribute this document to all GRs for review and potential comment. WP.29 agreed with this proposal and decided to keep this document on its agenda.

33. The representative of OICA reaffirmed his views on the purpose of the 1958 Agreement and the 1997 Agreement highlighting that the 1958 Agreement defines the performance requirements that vehicles and their equipment must fulfil in order to allow their placing on the market; the 1997 Agreement is aimed at verifying that these same vehicles and equipment remain in good shape as foreseen by the Rules. He also emphasised that, while

the 1958 Agreement and its UN Regulations may foresee provisions to facilitate later inspections under the 1997 Agreement, the objectives of both Agreements should not be mixed. The secretariat confirmed that the document did not explore the potential link between both Agreements but simply offered a reading of the 1958 Agreement.

C. Follow-up to the eighty-second session of the Inland Transport Committee (agenda item 2.4)

Documentation: ITC Informal Document No. 10/Rev.6

34. The secretariat presented the list of main decisions adopted at the eighty-first session of ITC (25-28 February 2020). Decisions Nos. 15–18 and 50–52 were emphasized as of particular importance to the work of WP.29.

35. In decision No. 15, ITC took note of the status of implementation of the Intelligent Transport Systems (ITS) Road Map that was launched at its seventy-fourth session and encouraged continuation of the work of SC.1 on smart roads; of SC.3 on smart shipping, River Information Systems, and innovative technologies in the recently adopted Signs and Signals for Inland Waterways (SIGNI); of WP.1 on the safe deployment of automated vehicles in traffic; of WP.15 on telematics for the transport of dangerous goods; of WP.29 on the adoption of the framework document on the safety of automated vehicles; of WP.29/GRVA on regulating autonomous/automated and connected vehicles (incl. cyber security); and of WP.30 on eTIR, as fostering regulatory and other activities in these areas would ensure the benefits that ITS could provide in terms of safety, environmental protection, energy efficiency and traffic management

36. In decision No. 16, ITC invited WP.1 and WP.29 to continue their close cooperation to facilitate the safe deployment of automated vehicles.

37. In decision No. 17, ITC noted with satisfaction that the ITS Road Map 2011–2020, which would come to its conclusion in 2020, encouraged ITS activities linked to infrastructure and all transport modes and contributed to addressing ITS issues in an integrated approach.

38. In decision No. 18, ITC decided that, on this basis and considering the importance of ITS in light of global mega trends, technological developments, and the ongoing transformation of the Committee and its Working Parties, an updated ITS Road Map would be warranted and, therefore, requested the secretariat, in close cooperation with relevant Working Parties and subsidiary bodies, to prepare it for consideration in the framework of relevant Working parties and ITC Bureau and possible adoption at its eighty-third session, subject to availability of resources.

39. In decision No. 50, ITC endorsed the establishment by WP.29 of the Framework Document on Automated/Autonomous Vehicles and its implementation mainly by the Working Party on Autonomous/Automated Vehicles (GRVA);

40. In decision No. 51, ITC noted with regret the limitation of the 179th WP.29 session to three days only as a result of the financial crisis;

41. In decision No. 52, ITC reiterated its support for hosting of the type-approval database DETA at ECE, following the entry into force of Revision 3 to the 1958 Agreement, took note of information on the status of ECE hosting of DETA and reiterated its support for the request for financing of DETA under the United Nations regular budget.

42. WP.29 identified IWG on ITS as the ideal body to support the update of the ITS Road Map and requested the IWG to develop in close cooperation with the secretariat a first draft in view of the next ITC session.

43. The Secretary informed WP.29 on the ITC side event on “safer and cleaner used vehicles” that took place on the first day of the 2020 ITC week. He also informed WP.29 on the decision of the UN Road Safety Fund to finance a project on the same subject, “Safer and Cleaner Used Vehicles for Africa” led by the United Nations Environment Programme (UNEP) with the support of Economic Commission for Africa (ECA), Economic

Commission for Europe (ECE), the World Health Organization (WHO) and International Transport forum (ITF) as well as CITA. He explained that this project could be supported by the outcome of WP.29's work as there was a close link with activities under the 1997 Agreement.

44. The Chair welcomed the information and stated that WP.29 was ready to support these activities.

45. The representative of South Africa noted the relevance of these activities. He mentioned two examples of the issue. He highlighted the problem related with the second-hand tyres sold in Africa. He also mentioned the overall problem of the movement of unroadworthy second hand cars towards Africa. He concluded that the World Forum would be well placed to address these difficulties on the technical level.

46. WP.29 agreed to support and contribute to these activities.

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

A. Working Party on Noise and Tyres (GRBP) (Seventieth session, 11-13 September 2019) (agenda item 3.1)

Documentation: ECE/TRANS/WP.29/GRBP/68

47. The World Forum recalled the report of the Chair of GRE on its seventieth session (ECE/TRANS/WP.29/GRBP/68) and approved the report.

B. Working Party on Automated/Autonomous and Connected Vehicles (GRVA) (Fourth session, 24-27 September 2019) (agenda item 3.2)

Documentation: ECE/TRANS/WP.29/GRVA/4

48. The World Forum recalled the report of the Chair of GRVA on its fourth session (ECE/TRANS/WP.29/GRVA/4) and approved the report.

C. Working Party on General Safety Provisions (GRSG) (117th session, 8–11 October 2019) (agenda item 3.3)

Documentation: ECE/TRANS/WP.29/GRSG/96

49. The World Forum recalled the report of the Chair of GRSG on its 117th session (ECE/TRANS/WP.29/GRSG/96) and approved the report.

D. Lighting and Light-Signalling (GRE) (Eighty-second session, 22–25 October 2019) (agenda item 3.4)

Documentation: ECE/TRANS/WP.29/GRE/82

50. The World Forum recalled the report of the Chair of GRE on its eighty-second session (ECE/TRANS/WP.29/GRE/82) and approved the report.

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

1. Working Party on Passive Safety (GRSP) (Sixty-sixth session, 10–13 December 2019) (agenda item 3.5.1)

51. The representative of the United States of America, on behalf of the Chair of GRSP, informed WP.29 about the results of the work of the group at its sixty-sixth session (for details see the session report: ECE/TRANS/WP.29/GRSP/66).

52. The World Forum noted that Mr. M Koubek (United States of America) chaired the session due to the separation of the previous Chair, Mr. Nha Ngyen, from federal service at the U.S. Department of Transportation, in accordance with Rule 14 of the Rules of Procedure of the UNECE (E/ECE/778/Rev.5).

53. The World Forum noted that Mr. M Koubek (United States of America) had been elected as GRSP Chair and that Mr. H.G. Kim (Republic of Korea) had been elected as Vice-Chair for the sessions of GRSP scheduled in the year 2020.

2. Working Party on Pollution and Energy (GRPE) (Eightieth session, 14-17 January 2020) (agenda item 3.5.2)

54. The Vice-Chair of GRPE (United Kingdom of Great Britain and Northern Ireland) reported to WP.29 on the results achieved by GRPE during its eightieth session (for more details see the report of the session ECE/TRANS/WP.29/GRPE/80).

55. GRPE endorsed a proposal for the 00 and 01 series of amendments to a new UN Regulation on WLTP. The transposition from UN GTRs Nos. 15 and 19 to UN regulation has also led to new Amendments to UN GTRs Nos.15 and 19, with Amendment 3 to UN GTR No. 19 also endorsed by GRPE. Amendment 6 to UN GTR No. 15 along with the 08 series of amendments to UN Regulation No. 83 are expected for the June 2020 session of GRPE.

56. GRPE showed interest to further work on lifetime compliance issues on emissions control systems and decided to create a dedicated agenda item to put forward thorough impact assessment approaches to potential modifications of several UN Regulations.

57. GRPE was informed about the creation of an ad-hoc expert group that will work on heavy duty fuel economy measurement harmonization. Specific elements of the fuel economy measurement of heavy duty vehicles are targeted in a first phase, such as component testing, air drag. Participation to the expert's group was expected to be open to any interested parties and the group would start activities in the near future.

58. The representative of the United Kingdom of Great Britain and Northern Ireland, M. Duncan Kay, had been elected as a vice chair of GRPE for the year 2020. He started duty immediately after the vote, which was exceptionally held at the beginning of the session.

3. Working Party on Noise and Tyres (GRBP) (Seventy-first session, 28-31 January 2020) (agenda item 3.5.3)

59. The GRBP Chair reported on the results achieved by GRBP during its seventy-first session (for details see the session report: ECE/TRANS/WP.29/GRBP/69).

60. He pointed out that GRBP had decided to create a new Informal Working Group on Measurement Uncertainties (IWG MU), with a mandate until December 2021, which would be chaired by Norway, while OICA would act as secretary. WP.29 gave its consent for the creation of the IWG MU.

61. He further mentioned that GRBP had agreed on establishing two new task forces:

(a) on studded tyres, with the objective to draft a new UN Regulation on the approval of studded tyres regarding their snow performance, and

(b) on amending UN Regulations Nos. 141 (Tyre pressure monitoring system (TPMS) and 142 (Installation of tyres), with the aim to extend their scope for the purposes of transposing TPMS and tyre installation requirements in EU Regulation 2019/2144.

62. WP.29 took note of the establishment of the task forces.

4. Working Party on Automated/Autonomous and Connected Vehicles (GRVA) (Fifth session, 10-14 February 2020, and sixth session, 3-4 March 2020) (agenda item 3.5.4)

63. The GRVA Chair reported on the results achieved by GRVA during its fifth and sixth sessions (for details, see the reports of the sessions ECE/TRANS/WP.29/GRVA/5 and ECE/TRANS/WP.29/GRVA/6).

64. The Chair reported on the progress made according to the programme contained in the Framework Document on Automated Vehicles.

65. He mentioned the submission of three draft UN Regulations – (i) on Cybersecurity and Cyber Security Management Systems, (ii) on Automated Lane Keeping Systems (ALKS) and (iii) on Software Updates and Software Update Management Systems – to WP.29/AC.1 in June 2020 for adoption.

66. The representative of Japan appreciated Germany's great dedication as the Chair, other Contracting Parties and industries efforts to finalize the draft of UN Regulations for ALKS and Software Update and Software Update Management System. He highlighted that one paragraph and subparagraphs in the proposed UN Regulation for Cyber Security and Cyber Security Management System was still under square brackets. He recalled that Japan and other Contracting Parties (CP) had expressed serious concerns about these provisions.

67. He stated that the provisions requesting Type Approval Authorities (TAA) to share the type approval information with other authorities and collect their opinions in advance of granting type approval would contradict the spirit and principle of the 1958 Agreement characterized by mutual trust and mutual recognition. He concluded that Japan was ready to contribute to revising the provision in cooperation with other CPs and industries prior to the June session of WP.29.

68. The Chair of GRVA confirmed that GRVA had agreed on objectives concerning these paragraphs but that GRVA did not have enough time to complete the drafting along the lines agreed. He added that GRVA delegations would have the possibility to finalize the drafting exercise via virtual meetings until the end of March 2020.

69. He highlighted the adoption of the '*Regulation No. X Software Identification Number*' (RxSWIN) concept and sought guidance on the way to implement it in relevant UN Regulations. WP.29 recommended the GRs to list the UN Regulations in their purview that would require incorporating RxSWIN provisions. WP.29 requested the Secretariat to prepare an amendment proposal for inserting relevant RxSWIN provisions in the Consolidated Resolution R.E.3 for review at its June 2020 session. WP.29 noted that such amendment to R.E.3, if adopted, could be used by all GRs as reference in the relevant UN Regulations.

70. WP.29 agreed to extend the mandate of the IWG on AEBS by two additional years, until March 2022.

71. WP.29 agreed to extend the mandate of the Task Force on Cyber Security and Over The Air issues (CS/OTA) by two additional years, until March 2022 and to rename the Task Force as Informal Working Group.

72. WP.29 discussed the need to revise the FDAV during the June 2020 session as the work of GRVA was progressing, as the knowledge of the GRs on automated vehicles was growing and potentially justifying new activities, and as the mandate of some IWGs were expiring. The mandate extension of these IWGs could be agreed at this occasion.

73. The Chair noted that the IWGs involved contracting parties to the 1958 and the 1998 Agreements that collaborated collectively on technical regulations under the 1958 Agreement in a successful manner. He thanked the delegations for their dedication and hard work at GRVA and in the Informal Working Groups.

VI. 1958 Agreement (agenda item 4)

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

74. 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/wp29fdocstts.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)

75. 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)

76. No discussion took place under this agenda item.

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

Documentation: Informal documents: WP.29-180-11

77. The Chair of the IWG on IWVTA presented the outcome of the March 2020 session of the group (WP.29-180-11). He announced that the group would present an informal document with proposed amendments to Annex 4 to UN Regulation No. 0 at the June 2020 of WP.29. He reported that the first Type Approval pursuant to UN Regulation No. 0 had been granted by Japan. He also reported on the discussion held by the group on ways to identify that a type approval had been granted to previous versions of a UN Regulation and was therefore not subject to mutual recognition.

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

78. The secretariat informed on the entry into force of the amendment to Schedule 4 of the 1958 Agreement.

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

Documentation: Informal documents: WP.29-180-12 and WP.29-180-13

79. The secretariat reported, on behalf of the Chair of the IWG on DETA, on the thirty-sixth meeting of the IWG on DETA (WP.29-180-12 and WP.29-180-13).

80. WP.29 confirmed the request to the GRs to review the specifications of the Unique Identifier (UI) and report back to WP.29. The secretariat explained that GRBP and GRVA were already consulted and did not provide a cutting clear answer. The representative of Austria supported the option 2 (“Move additional information markings to the communication document in DETA”) proposed by the IWG on DETA. The representative of

OICA encouraged the GRs to review the purpose of existing markings and evaluate whether they were still all needed.

81. WP.29 followed the advice of the IWG on DETA concerning the automated mass-upload function via a web-service, but noted that the financing aspect remained opened.

82. The acting Chair of WP.29 introduced the question of the DETA funding for hosting at UNECE. He thanked Germany for offering to continue hosting DETA. He also thanked the sponsors who agreed to fund the development of UI and Document of Conformance (DoC). He noted that WP.29 and ITC were in agreement to fund DETA via the Regular Budget of the United Nations secretariat. But he also noted that a full consensus among the Member States did not exist, which led in the negative decision in New York concerning the funding of DETA. The secretariat provided further detailed information about the actions taken to fund DETA.

83. The representative of the United Kingdom reiterated his offer to contribute in a fair way to the funding of DETA. He invited the secretariat to share information on costs.

84. The secretariat noted the difficulties expressed by the sponsors concerning the establishment of contracts concerning UI and DoC as well as the difficulties related to finding a funding mechanism. He proposed to WP.29 to explore in a brainstorming phase the possibility to establish a partnership with the stakeholders to help materialising the hosting of DETA by UNECE. He mentioned that he found two precedents within the UN system being similar to DETA: Automated System for Customs Data (ASYCUDA) and Debt Management and Financial Analysis System (DMFAS). The representatives of United Kingdom and CITA agreed to explore this option with the secretariat.

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

Documentation: ECE/TRANS/WP.29/2020/2
ECE/TRANS/WP.29/2020/3
ECE/TRANS/WP.29/2020/4
ECE/TRANS/WP.29/2020/5
ECE/TRANS/WP.29/2020/6
ECE/TRANS/WP.29/2020/7

85. The World Forum considered the draft amendments under agenda items 4.6.1. to 4.6.5. and recommended their submission to AC.1 for voting. The World Forum noted that the proposal for Supplement 11 to the 02 series of amendments to UN Regulation No. 117 (ECE/TRANS/WP.29/2020/6, agenda item 4.6.5) contains several words in strikethrough font which should be physically deleted.

86. The Chair of GRBP presented the document ECE/TRANS/WP.29/2020/7, under agenda item 4.6.6., the draft proposal for a new 03 series of amendments to UN Regulation No. 59. The World Forum recommended its submission to AC.1 for voting.

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

Documentation: ECE/TRANS/WP.29/2020/08
ECE/TRANS/WP.29/2020/09
ECE/TRANS/WP.29/2020/10
ECE/TRANS/WP.29/2020/11

87. The World Forum considered the draft amendments under agenda items 4.7.1. and 4.7.2. and recommended their submission to AC.1 for voting.

79. The Chair of GRVA presented draft proposals in ECE/TRANS/WP.29/2020/10 (proposal for the 01 series of amendments to UN Regulation No. 152) and ECE/TRANS/WP.29/2020/11 (proposal for Supplement 2 to the 03 series of amendments to UN Regulation No. 79) under agenda items 4.7.3. and 4.7.4. The World Forum recommended their submission to AC.1 for voting.

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

Documentation: ECE/TRANS/WP.29/2020/12
 ECE/TRANS/WP.29/2020/13
 ECE/TRANS/WP.29/2020/14
 ECE/TRANS/WP.29/2020/15
 ECE/TRANS/WP.29/2020/16
 ECE/TRANS/WP.29/2020/17
 ECE/TRANS/WP.29/2020/18
 ECE/TRANS/WP.29/2020/19
 ECE/TRANS/WP.29/2020/20
 ECE/TRANS/WP.29/2020/22
 ECE/TRANS/WP.29/2020/23
 ECE/TRANS/WP.29/2020/24
 ECE/TRANS/WP.29/2020/25
 ECE/TRANS/WP.29/2020/26
 ECE/TRANS/WP.29/2020/27
 ECE/TRANS/WP.29/2020/28
 ECE/TRANS/WP.29/2020/29
 Informal document: WP.29-180-05

88. The World Forum considered the draft amendments under agenda items 4.8.1. to 4.8.14. and recommended their submission to AC.1 for voting, subject to the following modifications:

Item 4.8.7., document ECE/TRANS/WP.29/2020/18, amend Appendix 1, Table 1, eighth column (d_d[m]), second line *for 32.3 read 38.4*, fourth line *for 43.2, read 37.2*, sixth line *for 26.1 read 28* and seventh line *for 29.1 read 34*;

Item 4.8.8., document ECE/TRANS/WP.29/2020/19, amend title to read “Supplement 2 to the 03 series of amendments to UN Regulation No. 58 (Rear underrun protection devices)”.

89. The Chair of GRSG presented draft amendment proposals in ECE/TRANS/WP.29/2020/26, ECE/TRANS/WP.29/2020/27, ECE/TRANS/WP.29/2020/28, and ECE/TRANS/WP.29/2020/29 under agenda items 4.8.15. to 4.8.18., to amend UN Regulations Nos. 26, 55, 62 and 144. The World Forum recommended their submission to AC.1 for voting.

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

Documentation: ECE/TRANS/WP.29/2020/30
 ECE/TRANS/WP.29/2020/31
 ECE/TRANS/WP.29/2020/32
 ECE/TRANS/WP.29/2020/33
 ECE/TRANS/WP.29/2020/34
 ECE/TRANS/WP.29/2020/36
 Informal document: WP.29-180-07

90. The World Forum considered the draft amendments under items 4.9.1. to 4.9.5. and recommended their submission to AC.1 for voting.

91. On behalf of the Chair of GRE, the secretariat presented the draft amendment proposal in ECE/TRANS/WP.29/2020/36 under agenda item 4.9.6., to amend UN Regulation No. 48. The representative of the European Union proposed corrections to the transitional provisions (WP.29-180-07). The World Forum recommended its submission to AC.1 for voting, subject to the following modifications:

Paragraphs 12.6.2. to 12.6.4., amend to read:

- "12.6.2. As of 6 July 2022, Contracting Parties applying this Regulation shall not be obliged to accept UN type approvals to the preceding series of amendments, first issued after 5 July 2022.
- 12.6.3. Until 6 July 2024, Contracting Parties applying this Regulation shall accept UN type approvals to the preceding series of amendments and extensions thereof, first issued before 6 July 2022.
- 12.6.4. As from 7 July 2024, Contracting Parties applying this Regulation shall not be obliged to accept UN type approvals, including any extensions, issued to the preceding series of amendments to this Regulation without emergency stop signal installed."

J. Consideration of draft corrigenda to existing UN Regulations submitted by GRs, if any (agenda item 4.10)

Documentation: ECE/TRANS/WP.29/2020/49

92. The World Forum considered the draft corrigenda under item 4.10.1. and recommended its submission to AC.1 for voting.

K. Consideration of pending proposals for amendments to existing UN Regulations submitted by the Working Parties subsidiary to the World Forum, if any (agenda item 4.11)

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

L. Consideration of proposals for new UN Regulations submitted by the Working Parties subsidiary to the World Forum (agenda item 4.12)

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

M. 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, if any (agenda item 4.13)

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

N. Proposal for amendments to the Consolidated Resolution on the common specification of light source categories (R.E.5) (agenda item 4.14)

Documentation: ECE/TRANS/WP.29/2020/37

96. The World Forum approved the amendments to the Consolidated Resolution on the common specification of light source categories (R.E.5).

O. Proposal for amendments to the Mutual Resolutions of the 1958 and 1998 Agreements (agenda item 4.15)

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

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.27
Informal document: WP.29-180-08

98. 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 originally prepared for the Executive Committee of the 1998 Agreement, WP.29/AC.3.

99. The AC.3 session was not held as quorum could not be established. Voting on proposals for amendments to UN GTRs under WP.29/AC.3 agenda item 14.2 had been deferred to the June session of WP.29/AC.3.

100. The World Forum agreed that WP.29/AC.3 agenda items related to the 1998 Agreement (items 5.1-5.5) would be considered following the annotations under agenda items 15 to 20. WP.29 invited the Chair of AC.3 to lead the discussion under these agenda items.

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)

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

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

Documentation: Informal documents: WP.29-180-21

102. The representative of CITA, Secretary to the IWG on PTI reported on the outcome of the February 2020 meeting of the group. He highlighted that the group reviewed activities of WP.29 having considerations on lifetime / lifecycle such as the 1997 Agreement, GRVA activities (e.g. DSSAD and RxSWIN) and GRPE activities (e.g. RDE tests). He added that the group was considering liaising with the IWG on DETA. He continued that the group exchanged information on tampering detection, innovative technologies and particulate number (PN) measurement. He mentioned also the side event of the ITC in the form of a technology demonstration of a particulate measurement.

103. The secretariat provided further information on the demonstration during ITC, mentioning that it also included a Portable Emission Measurement System (PEMS), a mini-PEMS and a roller brake tester converted to perform a mini emission test suitable to measure NO_x-emissions under load.

104. The representative of Switzerland informed that his country was involved in the development of the evaluation criteria for PN measurements in the context of PTI.

105. WP.29 expressed interest in these technological developments and encouraged the IWG to present them at GRPE.

A. Status of the Agreement (agenda item 7.1)

Documentation: ECE/TRANS/WP.29/1074/Rev.14

106. WP.29 noted the consolidated document (ECE/TRANS/WP.29/1074/Rev.14) 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. Amendments to the 1997 Agreement (agenda item 7.2)

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

107. The secretariat introduced ECE/TRANS/WP.29/2020/38, proposing a consolidated text of the 1997 Agreement on Periodic Technical Inspections of wheeled vehicles. WP.29 noted that the latest amendment did not reflect all previous amendments.

108. WP.29 endorsed the document and requested the secretariat to share this document as reference document on the UNECE website.

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

109. No document had been submitted under this agenda item.

D. Update of existing Rules annexed to the 1997 Agreement (agenda item 7.4)

Documentation: ECE/TRANS/WP.29/2020/39
ECE/TRANS/WP.29/2020/40

110. The World Forum considered the draft updates to existing Rules annexed to the 1997 Agreement under items 7.4.1 and 7.4.2 and recommended their submission to AC.4 for voting.

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.29-180-06

111. The Secretary of IWG on PTI informed WP.29 that the consideration of ECE/TRANS/WP.29/2019/120 by WP.29 should be postponed as the IWG would need further reflections on the informal document WP.29-180-06 that had been submitted by GRPE. He announced a consolidated version would be introduced in forthcoming sessions of WP.29.

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)**

Documentation: Informal documents: WP.29-180-16 and WP.29-180-17

112. 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: Informal document: WP.29-180-23, WP.29-180-25 and WP.29-180-26

113. A joint meeting of the World Forum and the Global Forum for Road Safety (WP.1), about topics of common interest pertaining to the field of automated driving, took place on 11 March 2020. The Chairs of WP.1 and WP.29 opened the meeting and recalled collaborations on automated vehicles including the recent side event organized during the week of the 3rd Global Ministerial Conference on Road Safety in Sweden (February 2020). The Chair of WP.29 expressed his gratitude for the organization of the meeting.

114. The representative of France, WP.1 Vice Chair, recalled a first result of WP.1 achieved in September 2018 with the adoption of a Resolution on the deployment of highly and fully automated vehicles in road traffic. He mentioned the interest of WP.1 to exchange views on activities other than driving, on the lead-time given by automated driving systems of level 3 to drivers to take back the control of a vehicle, when the vehicle requests the driver to do so, on the external HMI of such vehicles and on the access to data stored by DSSAD. The WP.1 Chair highlighted that there should be "meaningfulness" in the activities performed. The representative of Japan, Vice-Chair of GRVA presented WP.29-180-25 informing on the structure of the groups under WP.29, the strategy of WP.29 regarding automated vehicles and the recent achievements of WP.29 on automated vehicles.

115. The Chair of WP.1 appreciated the complexity of the structure presented. The representative of the United States of America commended the representative of Canada for having tabled a paper to WP.1 on the collaboration between WP.1 and WP.29. She hoped that such an event could be repeated, possibly on an annual basis, or if not possible, to exchange information among both groups on the basis of short documents (one or two pagers). The representative of Germany, GRVA Chair, stressed the need for cooperation. He mentioned the completion of the drafting work by GRVA of the UN Regulations on ALKS, Cyber Security and Software Updates. He welcomed the intervention of United States of America and supported exchanges on a regular basis. The representative of Canada mentioned subjects at the intersection of the activities of the two groups, including HMI considerations and common language. He highlighted the central role of the GRVA IWG on FRAV and the WP.1 Informal Group of Experts on Automated Driving (IGEAD).

116. The Chair of WP.29 introduced the discussion on common terminology. The representative of the United Kingdom of Great Britain and Northern Ireland, Co-Chair of the IWG on ITS presented WP.29-180-26, with a glossary of terms and definitions used by WP.1 and WP.29. He provided three examples demonstrating the existence of inconsistencies in exact definitions but no direct contradictions. The WP.1 Secretary presented a document highlighting definitions in Regulation No. 79 that would have been certainly drafted differently by WP.1. The expert from ITU reported on their activities in the perspective of SDG 3.6 and on the evaluation of driving behaviours. He stressed their interest to address questions such as lifetime, lifecycle and monitoring. He mentioned that the road traffic convention implicitly admit that all drivers are Level 5 drivers and that drivers can transfer learning from one environment to another, which is not the case for automated driving systems. He observed that the developments were towards a double regulatory system, one for manual drivers and another for automated driving systems. He presented his views that an Artificial Intelligence should not drive carelessly, dangerously and recklessly. It should be careful, reasonable and a prudent driver. It should be aware, willing and able.

117. The Vice-Chair of WP.1 stressed the need to make decisions supporting the collaboration. The representative of the United States of America recalled the invitation of the Chair of GRVA. She stated the importance of better understanding the perspectives of both groups. She stressed that the delegates of both groups should feel comfortable to join all GRVA meetings (and subgroups). The representative of Canada hoped that both Fora would agree to (i) meet regularly, (ii) work on terminology and therefore allow FRAV and IGEAD to meet and work together to deliver on an ambitious work plan and (iii) commit sharing, review and commenting in a reasonable time, on request, documents of relevance.

The Chair of WP.1 invited WP.29 delegates to join the discussion on item 11 to draft conclusions at the end of the week. The representative of OICA welcomed the exchange of views and proposed to nominate a new Ambassador between WP.1 and WP.29 as Mr. Asplund, Finland was no longer attending WP.1 and WP.29.

118. The WP.1 delegate from the United Kingdom of Great Britain and Northern Ireland inquired about the possibility to discuss the document related to the establishment of a new WP.1 Expert Group on a new convention. The Chair of WP.1 explained that the document was expected to be discussed by WP.1 on the next day. She stated that the answer to the question was in the ITC Decision 35.

119. The WP.29 Chair concluded the session mentioning his impression that the joint meeting has been helpful and could be repeated. He mentioned the potential usefulness of working on terminology, he stated that the idea of exchanging documents informing on latest development was a good idea. The Chair of WP.1 invited the delegates from the United States and Canada to draft paragraphs for the WP.1 report.

C. Safe transport of children in buses and coaches (agenda item 8.3)

Documentation: ECE/TRANS/WP.29/2020/35

120. The secretariat presented ECE/TRANS/WP.29/2020/35 dealing with safer transport of children in buses and coaches, providing the first progress report and the terms of reference of the IWG. WP.29 noted that usually Terms of Reference of IWGs were annexed to the reports of the GRs and endorsed by WP.29 when adopting the report. WP.29 endorsed the terms of reference of the IWG in the annex of ECE/TRANS/WP.29/2020/35.

D. Documents for publication (agenda item 8.4)

Documentation: Informal document: WP.29-180-14

121. The WP.29 Secretary presented the informal document WP.29-180-14 and announced that amendments agreed in November 2019 would enter into force in May 2020. He clarified that corrigenda should only correct typos and not have impact on the substance.

XI. Adoption of the report (agenda item 9)

122. The World Forum adopted the report on its 180th session and its annexes based on a draft prepared by the secretariat. The report included sections related to the seventy-fourth session of the Administrative Committee (AC.1) of the 1958 Agreement, to the fifty-eight session of the Executive Committee (AC.3) of the 1998 Agreement and to the thirteenth session of the 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)

123. AC.1 members agreed that remotely participating members were eligible for the establishment of the quorum and voting due to the exceptional circumstances related to the COVID-19 outbreak.

124. Of the 56 contracting parties to the agreement, 39⁴ were represented and established AC.1 for its seventy-fourth session on 11 March 2020.

125. AC.1 invited the Chair of WP.29 to chair the session.

⁴ The representatives of Bosnia and Herzegovina and the Russian Federation participated remotely.

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

126. 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>				
9	Noise of three-wheeled vehicles	29	20	2020/2	20/0/0	Suppl.1 to 08	*
10	Electromagnetic compatibility	49	37	2020/30	37/0/0	Suppl.1 to 06	*
26	External projections of passenger cars	48	36	2020/15	36/0/0	Suppl.4 to 03	*
26	External projections of passenger cars	48	36	2020/26	36/0/0	04 series	*
28	Audible warning devices	48	37	2020/3	37/0/0	Suppl.6 to 00	*
46	Devices for indirect vision	47	36	2020/16	36/0/0	Suppl.7 to 04	*
46	Devices for indirect vision	47	36	2020/17	36/0/0	Suppl.8 to 04	*
48	Installation of lighting and light-signalling devices	47	36	2020/36 as amended by para. 91 above	36/0/0	07 series	*
51	Noise of M and N categories of vehicles	48	37	2020/4	37/0/0	Suppl.6 to 03	*
55	Mechanical couplings	45	36	2020/27	36/0/0	02 series	*
58	Rear underrun protection	47	37	2020/19 as amended by para. 88 above	37/0/0	Suppl.2 to 03	*
59	Replacement silencing systems	45	34	2020/7	34/0/0	03 series	*
62	Anti-theft (mopeds/motorcycles)	44	35	2020/28	35/0/0	01 series	*
79	Steering equipment	46	36	2020/11	36/0/0	Suppl.2 to 03	*
90	Replacement braking parts	46	35	2020/8	35/0/0	Suppl.5 to 02	*
106	Tyres for agricultural vehicles	50	36	2020/5	36/0/0	Suppl.18 to 00	*
107	M ₂ and M ₃ vehicles	49	36	2020/12	36/0/0	Suppl.9 to 06	*
107	M ₂ and M ₃ vehicles	49	36	2020/13	36/0/0	Suppl.4 to 07	*
107	M ₂ and M ₃ vehicles	49	36	2020/14	36/0/0	Suppl.3 to 08	*
110	CNG and LNG vehicles	52	38	2020/20	38/0/0	Suppl.1 to 04	*

<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	52	38	2020/21	38/0/0	Suppl.2 to 04	*
117	Tyre rolling resistance, rolling noise and wet grip	53	38	2020/6, as amended by para. 85 above	38/0/0	Suppl.11 to 02	*
121	Identification of controls, tell-tales and indicators	54	39	2020/22	39/0/0	Suppl.4 to 01	*
122	Heating systems	53	38	2020/23	38/0/0	Suppl.6 to 00	*
128	Light Emitting Diode (LED) light sources	56	39	2020/31	39/0/0	Suppl.10 to 00	*
144	Accident Emergency Call Systems (AECS)	56	39	2020/24	39/0/0	Suppl.1 to 00	*
144	Accident Emergency Call Systems (AECS)	56	39	2020/25	11/28/0	Suppl.2 to 00	*
144	Accident Emergency Call Systems (AECS)	56	39	2020/29	39/0/0	01 series	*
148	Light Signalling Devices (LSD)	55	39	2020/32	39/0/0	Suppl.2 to 00	*
149	Road Illumination Devices (RID)	55	39	2020/33	39/0/0	Suppl.2 to 00	*
150	Retro-Reflective Devices (RRD)	55	39	2020/34	39/0/0	Suppl.2 to 00	*
151	Blind Spot Information Systems (BSIF)	56	39	2020/18 as amended by para. 88 above	39/0/0	Suppl.1 to 00	*
152	AEBS for M ₁ and N ₁	56	39	2020/9	39/0/0	Suppl.1 to 00	*
152	AEBS for M ₁ and N ₁	56	39	2020/10	39/0/0	01 series	*

<i>Corrigenda 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>				
115	LPG and CNG retrofit systems	51	37	2020/49	37/0/0	Corr.1 to Suppl.8	*

* 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)

Documentation: Informal document: WP.29-180-09

127. AC.3 members agreed that remotely participating members were eligible for the establishment of the quorum and voting due to the exceptional circumstances related to the COVID-19 outbreak.

128. The fifty-eight session of the Executive Committee (AC.3) scheduled on 11 March 2020 was not held due to the lack of quorum.

129. It was agreed that Agenda items 13 to 19 be considered under agenda items 5.2. to 5.5. of WP.29 (see para 100 above).

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

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 5.1 corresponding to agenda item 13)

Documentation: ECE/TRANS/WP.29/1073/Rev.27
Informal document : WP.29-180-08

130. WP.29 noted the information, as of 5 March 2019, on the status of the Agreement of the Global Registry and of the Compendium of Candidates (ECE/TRANS/WP.29/1073/Rev.27), the status of the priorities of the 1998 Agreement (based on WP.29-180-08 as reproduced in Annex II to this report) and items on which the exchange of views should continue. WP.29 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 agreed 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. Finally, WP.29 requested to its representatives to provide to the secretariat with the coordinates of their corresponding focal points to the agreement. They are 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 5.2 corresponding to agenda item 14)

Documentation: Informal document: WP.29-180-09

A. Proposal for a new UN GTR (agenda item 14.1)

131. No new proposals for new UN GTRs have been submitted under this agenda item.

B. Proposal for amendments to a UN GTRs, if any (agenda item 14.2)

1. Proposal for Amendment 4 to UN GTR No. 3 (Motorcycle braking) (agenda item 14.2.1)

Documentation: ECE/TRANS/WP.29/2020/47
ECE/TRANS/WP.29/2020/48
ECE/TRANS/WP.29/AC.3/47

132. Due to the lack of quorum, AC.3 did not vote and WP.29 agreed to resume this subject at its June 2020 session.

2. Proposal for Amendment 2 to UN GTR No. 6 (Safety glazing) (agenda item 14.2.2)

Documentation: ECE/TRANS/WP.29/2020/43
ECE/TRANS/WP.29/2020/44
ECE/TRANS/WP.29/AC.3/52

133. Due to the lack of quorum, AC.3 did not vote and WP.29 agreed to resume this subject at its June 2020 session.

3. Proposal for Amendment 3 to UN GTR No. 6 (Safety glazing) (agenda item 14.2.3)

Documentation: ECE/TRANS/WP.29/2020/45
ECE/TRANS/WP.29/2020/46
ECE/TRANS/WP.29/AC.3/55

134. Due to the lack of quorum, AC.3 did not vote and WP.29 agreed to resume this subject at its June 2020 session.

4. Proposal for Amendment 2 to UN GTR No. 16 (Tyres) (agenda item 14.2.4)

Documentation: ECE/TRANS/WP.29/2020/41
ECE/TRANS/WP.29/2020/42
ECE/TRANS/WP.29/AC.3/48
Informal document: WP.29-180-20

135. Due to the lack of quorum, AC.3 did not vote and WP.29 agreed to resume this subject at its June 2020 session.

C. Proposal amendments to the Mutual Resolutions of the 1958 and the 1998 Agreement, if any (agenda item 14.3)

136. No new proposals for amendments to the Mutual Resolutions of the 1958 and the 1998 Agreement have been submitted under this agenda item.

XVII. Consideration of UN Regulations to be listed in the Compendium of Candidates for UN GTRs, if any (agenda item 5.3 corresponding to agenda item 15)

137. The AC.3 Chair reminded WP.29 representatives of contracting parties to the 1998 Agreement to provide secretariat with official letters to re-affirm listing of candidate regulations whose 5-year period would expire June this year.

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 5.4 corresponding to agenda item 16)

138. Contracting parties did not, at the time, request additional guidance under this agenda item, beyond the discussions that had taken place under agenda item 16.

XIX. Exchange of information on new priorities to be included in the programme of work (agenda item 5.5 corresponding to agenda item 17)

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

139. No discussion took place under this agenda item.

XX. Progress on the development of new UN GTRs and of amendments to established UN GTRs (agenda item 5.5 corresponding to agenda item 18)

A. UN GTR No. 1 (Doors locks and door retention components) (agenda item 18.1)

140. No new information was provided under this agenda item. WP.29 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 18.2)

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

141. The representative of European Union recalled the IWG on Environmental and Propulsion Performance Requirements of L-category vehicles (EPPR) had completed Amendment 4 to UN GTR No. 2, as adopted by AC.3 during the November 2019 session. He highlighted the IWG EPPR was now concentrating on transposing Amendment 4 to UN GTR No. 2 into a UN Regulation for L category vehicles.

C. UN GTR No. 3 (Motorcycle braking) (agenda item 18.3)

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

142. The representative of Italy recalled his report at the November 2019 session of AC.3 on the progress in harmonizing the provisions of UN GTR No. 3 and UN Regulation No. 78 according to the mandate (ECE/TRANS/WP.29/AC.3/47). He added that GRVA adopted a proposal for amendments to UN GTR No. 3 as well as the corresponding technical report, tabled for adoption at the fifty-eight session of AC.3.

D. UN GTR No. 4 (Worldwide Heavy-Duty vehicle emission test Cycle (WHDC)) (agenda item 18.4)

143. The representative of the United States of America recalled his report at the November 2019 session of AC.3, updating WP.29 about their work on proposing new federal standards for pollutant emissions from heavy duty vehicles. He further stated that the United States of America had put forward an advanced notice of rulemaking in this area, and that a proposed

rulemaking exercise was expected during the course of 2020. He stated that the proposal would address emission standards and procedures that may be applicable to heavy-duty engines. He confirmed that the finalized proposal would be introduced to 1998 Agreement Contracting parties and other interested stakeholders within GRPE.

**E. UN GTR No. 5 (On-Board Diagnostic Systems (OBD))
(agenda item 18.5)**

144. No new information was provided under this agenda item. WP.29 agreed to keep this agenda item until new proposal would be submitted.

F. UN GTR No. 6 (Safety glazing) (agenda item 18.6)

Documentation: ECE/TRANS/WP.29/AC.3/41
ECE/TRANS/WP.29/AC.3/52
ECE/TRANS/WP.29/2019/123
ECE/TRANS/WP.29/AC.3/55

145. The representative of the Republic of Korea reported on the progress of IWG on Panoramic Sunroof Glazing (PSG) in developing an amendment to UN GTR No. 6 (Safety Glazing).

146. The representative of the Republic of Korea stated that the original purpose of the IWG had been to develop an amendment UN GTR No. 6. The group had been trying to find the cause of the breakage of Panoramic Sunroof Glazing. However, he explained that such a study would require a long time and that in the meantime industries had been developing a new technology using the enamel materials instead of ceramic materials. Taking into account those circumstances, all members of IWG on PSG agreed to develop the recommendation (Mutual Resolution) which could provide the ceramic printed area limitation values of PSG. He explained that the group considered that approach as a good interim solution until new technologies would be available for use in the future.

147. The representative of the Republic of Korea added that the group had submitted the draft Mutual Resolution at the last GRSG session and that the document had been submitted to the upcoming GRSG session as a working document. The IWG had planned to conduct a final review of the draft Mutual Resolution during its next meeting which would be held in conjunction with the upcoming GRSG session in April 2020. He concluded by stating that the draft PSG Mutual Resolution would be adopted at that GRSG session and consequently submitted to the WP.29 November 2020 session.

148. The Chair of AC.3 noted that the IWG did not draft an amendment to UN GTR No. 6 as required in ECE/TRANS/WP.29/AC.3/41. He encouraged the representative of Korea to prepare a revised version of the document reflecting the ongoing activities on drafting a mutual resolution.

149. The representative of the United Kingdom expressed doubts about the effectiveness of provisions in a future mutual resolution without reference in UN GTR No. 6 or UN Regulation No. 43.

150. WP.29 agreed to resume discussion at the next session of AC.3 on the basis of a revised document based on ECE/TRANS/WP.29/AC.3/41.

G. UN GTR No. 7 (Head restraints) (agenda item 18.7)

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 and Rev.1

151. The representative of Japan, as technical sponsor, informed that GRSP finally recommended Amendment 1 to UN GTR No. 7 and the final progress report the Informal Working Group (IWG) on UN Global Technical Regulation (UN GTR) No. 7 - Phase 2, to WP.29 and to the Executive Committee of the 1998 Agreement (AC.3) for consideration and vote at their June 2020. He also informed that GRSP, agreed to resume consideration on this subject at its May 2020 session on the basis of a proposal of Addendum to M.R.1. to incorporate drawings, specifications and manual of the BioRID test tool. WP.29 noted that availability of drawings and specification should be accompanied by a disclaimer letter of the dummy manufacturer to prevent copyright infringements once that the amendment to the M.R.1 (Addendum 1) would be uploaded on the WP.29 website.

152. He finally informed that his delegation and the European Commission, on behalf of the drafting task force, submitted to the May session of GRSP a parallel proposal for amendments to UN Regulation No. 17 in order to maintain the UN Regulation and the UN GTR in alignment.

H. UN GTR No. 8 (Electronic stability control systems (ESC)) (agenda item 18.8)

Documentation: Informal document: WP.29-180-15

153. The representative of the Republic of Korea introduced WP.29 with the content of WP.29-180-15, the request for the authorization to develop Amendment 1 to UN Global Technical Regulation No. 8 (Electronic Stability Control). He explained the purpose of the amendment was to facilitate the introduction of a new innovative steering wheel system, which had significantly lower steering gear ratio to testing procedure of Electronic Stability Control requirement.

154. He explained that UN GTR No. 8 (ESC) prescribed that the "Sine with Dwell" series test of vehicle directional stability performance shall be conducted between 270 degrees and 300 degrees. He added that in the future vehicles designs which have significantly lower steering gear ratios (i.e. quick steering characteristics) may be developed, and which may not be able to achieve the specified final absolute angle amplitude in the ESC test due to their operable steering wheel angle being less than 270 degrees.

155. The representative of the Republic of Korea emphasized, as GRVA adopted amendments to the UN Regulation No. 140 (ESC) regarding the testing procedure for allowing new innovative steering systems, the importance of maintaining consistency between the UN Regulation No. 140 and UN GTR No. 8 regarding the same technical provisions for the latest innovations for steering systems which have significantly low steering gear ratio.

156. WP.29 requested that WP.29-180-15 be distributed with an official symbol at the next session of AC.3.

I. UN GTR No. 9 (Pedestrian safety) (agenda item 18.9)

Documentation: ECE/TRANS/WP.29/AC.3/45 and Rev.1
ECE/TRANS/WP.29/2018/162
ECE/TRANS/WP.29/AC.3/31
ECE/TRANS/WP.29/GRSP/2012/2
ECE/TRANS/WP.29/GRSP/2014/5

157. The representative of the Republic of Korea, on behalf of the Chair of the IWG on Deployable Pedestrian Protection Systems (DPPS), informed WP.29 about the progress of the work of the IWG. He added that the 6th IWG meeting was held as a web-conference meeting held on 4 - 5 March instead of the face to face meeting. He explained that even though the IWG had been discussing various issues related to testing of deployable pedestrian protection systems for the past 2 years, there were some open issues still remaining (e.g. Head Impact Time Simulation). He finally requested a one year extension of the mandate of the IWG, until June 2021, to complete the development of the amendment of UN GTR No.9.

158. WP.29 also noted that GRSP agreed to continue the work on harmonizing UN GTR No. 9 with UN Regulation No. 127 which had already incorporated the proposed amendments for the headform test. Therefore, WP.29 endorsed the decision of GRSP to recommend at its May 2020 session, Amendment 3 to UN GTR to AC.3, already prepared and discussed (with the technical sponsor of the Netherlands).

J. UN GTR No. 10 (Off-cycle emissions (OCE)) (agenda item 18.10)

159. No new information was provided under this agenda item. WP.29 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 18.11)

160. No new information was provided under this agenda item. WP.29 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 18.12)

161. No new information was provided under this agenda item. WP.29 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 18.13)

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

162. The representative from the United States of America, on behalf of the co-sponsors (Japan, Republic of Korea and European Union) informed GRSP about the work progress of IWG on Hydrogen and Fuel Cells Vehicles (HFCV) UN GTR No. 13, Phase 2. She summarized the seventh IWG meeting of 3 to 7 November in Stuttgart, Germany. She noted that the meeting had been well attended: more than 60 representatives from contracting parties (Canada, China, Germany, Japan, Republic of Korea, United States of America, European Union), motor vehicle manufacturers and container industries, standards-setting organizations and academia had participated. She added that IWG had continued to work on the main items of Phase 2 that had been divided among five Task Forces and four subgroups to cover issues ranging from the expansion of the scope of the UN GTR to cover heavy-duty vehicles to include trucks and buses, hydrogen material compatibility, tank stress rupture, fire test repeatability parameters, safe release of thermo-pressure release valve, and additional amendments of existing UN GTR test procedures. She explained that the IWG had made

good progress, and had reached consensus in some key areas: (a) expansion of the scope to cover trucks and buses, (b) permeation criteria for HDVs and the hydrogen leakage criteria, (c) transfer high-voltage battery and electric system safety requirements to the scope of UN GTR No. 20. However, she added that several other items continue to be a challenge for IWG, for example, deciding on: the necessity of a dynamic sled test to verify the safe installation of potentially safety-critical components, the requirements to specify installation of these components, or the geometry design of the receptacle so as to minimize the occurrence of freezing of the nozzle in the receptacle during refuelling. She added that, in the process, also new issues had been introduced: (a) alternative hydrogen container designs and (b) proposal for possible extension of the container's useful life from 15 to 25 years based on the real-life data. She concluded that the group had agreed to begin drafting the proposed amendments on items which had reached consensus for UN GTR No. 13 within two weeks so as to be available by the March 2020 meeting of the IWG, when the IWG would evaluate the progress and gaps, and decide on potentially requesting an extension of the mandate at the May 2020 session of GRSP.

N. UN GTR No. 14 (Pole Side Impact (PSI)) (agenda item 18.14)

163. No new information was provided under this agenda item. WP.29 agreed to keep this agenda item until new proposal would be submitted.

O. UN GTR No. 15 (Worldwide harmonized Light vehicle Test Procedures (WLTP) – Phase 2) (agenda item 18.15)

Documentation: ECE/TRANS/WP.29/AC.3/39
ECE/TRANS/WP.29/AC.3/44

164. The representative of the EU reminded WP.29 that Amendment 5 to UN GTR No. 15 was adopted at the fifty-sixth session of Executive Committee of the 1998 Agreement (AC.3) in June 2019 and Established in the Global Registry on 26 June 2019. He informed AC.3 that the parallel process to transpose UN GTR No. 15 into a new UN Regulation on WLTP had contributed to the development of some new elements for UN GTR No. 15, that triggered the requirement to develop a new Amendment 6 to UN GTR No. 15.

165. He explained the draft Amendment 6 to UN GTR No. 15 had brought several updates to existing UN GTR No. 15 requirements, such as gear selection and shift point determination for vehicles equipped with manual transmissions, Type 6 reference fuels added, a new annex on On-Board Diagnosis (OBD) and new optional Annexes for Type 5 test (durability), Type 6 test (low temperature) and Conformity of Production (CoP).

P. UN GTR No. 16 (Tyres) (agenda item 18.16)

Documentation: ECE/TRANS/WP.29/2020/41, ECE/TRANS/WP.29/2020/42,
ECE/TRANS/WP.29/AC.3/48/Rev.1

166. The World Forum recalled that GRBP, at its seventieth session in September 2019, had adopted draft Amendment 2 to UN GTR No. 16 and its technical report and that the adopted documents had been submitted to AC.3, awaiting consideration and voting.

Q. UN GTR No. 17 (Crankcase and evaporative emissions for two- or three-wheeled motor vehicles) (agenda item 18.17)

167. No new information was provided under this agenda item. WP.29 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 18.18)

Documentation: ECE/TRANS/WP.29/AC.3/36 and Rev.1

168. The representative of the European Union reported the IWG on Environmental and Propulsion Performance Requirements of L-category vehicles (EPPR) had provided to the GRPE in its 80th session Informal Document GRPE-80-32 informing and updating GRPE of the work of the IWG on the draft Amendment 1 to UN GTR No. 18 to include OBD 2.

169. He explained the expected plan to propose the draft Amendment 1 to UN GTR No. 18 at the November session of AC.3 might get a request for delaying the submission of the working document by one session to the January 2021 session of GRPE to allow for the clarification of the catalyst monitoring. He concluded by saying the decision would be taken during the 34th EPPR Informal Working Group Meeting to be held on the 12-13 March 2020.

S. UN GTR No. 19 (EVAPorative emission test procedure for the Worldwide harmonized Light vehicle Test Procedure (WLTP EVAP)) (agenda item 18.19)

Documentation: ECE/TRANS/WP.29/AC.3/39
ECE/TRANS/WP.29/AC.3/44

170. The representative of the European Union informed WP.29 that a proposal for Amendment 3 to UN GTR No. 19 (Evaporative emission test procedure for the Worldwide harmonized Light vehicles Test Procedure) was endorsed by GRPE in its January 2020 session and would be submitted to the AC.3 session in June 2020. He explained the proposed Amendment 3 to UN GTR No. 19 contained modified provisions on the scope, the depressurization puff loss overflow SHED measurement and regarding procedures and requirements on CoP as Optional Annex.

T. UN GTR No. 20 (Electric Vehicles Safety (EVS)) (agenda item 18.20)

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

171. 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. She reported that the last session had been held from 3 to 5 December in Berlin, Germany and had been well attended by more than seventy representatives from the following contracting parties: Canada, China, Germany, India, Japan, Republic of Korea, Russian Federation, United States of America, EC, as well as many representatives from the type-approving authorities, academia, standard-setting organizations and the industry, both individually or as part of the OICA team. She added that thermal propagation and methods of initiation in the battery system were thoroughly examined and discussed, however, the optimal method had not yet been agreed upon. She clarified that his administration questioned the appropriateness of the methods based on their intrusiveness into the battery. Flammability, corrosiveness and toxicity of vented gas were presented on by several contracting parties and discussed by the group. She informed WP.29 that the Rechargeable Electric Energy Storage System (REESS) vibration profile was discussed, and the disagreement was on the perception of this issue: is the UN GTR overreaching by setting requirements for an issue that was not seen as being related to safety but rather to durability or reliability. She also added that water immersion and the need to address it was discussed, as it had been identified by several contracting parties, but given the absence of real-life data that would demonstrate the specific safety need and therefore justify such requirement, no consensus has been reached. In addition, he clarified that IWG was cautioned not to regulate for instances of natural disasters and which could result in introducing requirements for Electric Vehicles (EVs) that would be more stringent than those for conventional Internal Combustion Engines (ICE) vehicles. She finally informed WP.29

that the group had decided to take a brief pause in order to collect and absorb the new information and finish the research that several contracting parties and stakeholders were engaged in, by delaying its mid-spring meeting until late May 2020.

U. Draft UN GTR on Quiet Road Transport Vehicles (QRTV) (agenda item 18.21)

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

172. No new information was reported under this item.

V. Draft UN GTR on Global Real Driving Emissions (GRDE) (agenda item 18.22)

Documentation: ECE/TRANS/WP.29/AC.3/51
ECE/TRANS/WP.29/AC.3/54
ECE/TRANS/WP.29/2019/72

173. The representative of the European Union informed WP.29 on the development and latest meetings of the IWG on GRDE. He explained some elements were still missing such as the addition of a methodology for measuring particulate matter with Portable Emission Monitoring Systems (PEMS), improved methods for checking the consistency of signals and a thorough review by all CPs on whether the draft UN GTR was fit for their regional purposes. In particular, he highlighted issues remaining with India that needed to decide on the assessment methodology to be used in the draft UN GTR.

174. He reported that due to these open issues, it was not possible to finalise the draft UN GTR on GRDE for submission to the June 2020 session of GRPE as expected, but it would be slightly delayed for the January 2021 session of GRPE. He concluded by stating that, simultaneously, Japan and the EU developed a separate new UN Regulation on RDE that was fit for use together with the new UN Regulation on WLTP. He confirmed this text would be submitted to the June 2020 session of GRPE as expected.

175. The representative of the United States of America supported the work performed so far and acknowledged that extra time would be needed to finalize the draft UN GTR on GRDE.

W. Draft UN GTR on determination of electrified vehicle power (Electric vehicles and the environment) (agenda item 18.23)

Documentation: ECE/TRANS/WP.29/AC.3/46
ECE/TRANS/WP.29/2014/81
ECE/TRANS/WP.29/AC.3/40
ECE/TRANS/WP.29/AC.3/32
ECE/TRANS/WP.29/AC.3/53 and Rev.1
ECE/TRANS/WP.29/2019/33
ECE/TRANS/WP.29/2019/124

176. The representative from Canada,⁵ Secretary of IWG on Electric Vehicles and the Environment (EVE), briefed WP.29 about the latest activities in developing the new UN GTR on Determination of Electrified Vehicle Power (DEVPE) following the revised authorization that had been adopted by AC.3 during the November 2019 session (ECE/TRANS/WP.29/AC.3/53/Rev.1).

177. Because of connection problem with remote participants, the representative from Canada could not finalize his intervention, and the Chair of AC.3 requested Canada to

⁵ Remote participation

provide a complete update to AC.3 during its June 2020 session. The representative from Canada expressed their regret and disappointment they could not provide the full update.

XXI. Items on which the exchange of views and data should continue or begin (agenda item 5.5 corresponding to agenda item 19)

A. Harmonization of side impact (agenda item 19.1)

1. Side impact dummies (agenda item 19.1 (a))

178. The Chair of AC.3 recalled that intellectual property rights were held by dummy manufacturers and had hampered their introduction into M.R.1. in the past. He emphasized that good experience had been made during the work on GTR No. 9, Phase 2 with the FlexPLI where the dummy manufacturer had provided the set of drawings for the test tool and had agreed to have the disclaimer on intellectual property rights removed from the drawings, which was done after the positive vote on the Phase 2 amendment in AC.3.

2. Pole side impact (agenda item 19.1 (b))

179. The Chair of AC.3 recalled WP.29, that work on the incorporation of the drawings and specifications of the World Side Impact Dummy into the M.R.1, should be completed. He therefore appealed for volunteers to undertake this task to make fully operational UN GTR No. 14 and UN Regulation No. 135 on Pole Side Impact.

B. Specifications for the 3-D H-point machine (agenda item 19.2)

180. The representative of Spain, on behalf of the chairman of the IWG, reported about the intention to present a formal document to GRSP, in May 2020, in order to amend conveniently the Consolidated Resolution R.E.3

C. Event Data Recorder (EDR) (agenda item 19.3)

181. The Chair of GRSG recalled discussions on this topic under agenda item 2.3 (see para XX above)

XXII. Other business (agenda item 5.5 corresponding to agenda item 20)

182. No subject was raised under this agenda item.

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

XXII. Establishment of the Committee AC.4 and election of officers for the year 2020 (agenda item 21)

Documentation: Informal document WP.29-180-22

183. AC.4 members agreed that remotely participating members were eligible for the establishment of the quorum and voting due to the exceptional circumstances related to the COVID-19 outbreak.

184. Of the 15 Contracting Parties to the Agreement, eight⁶ were represented and established AC.4 for its thirteenth session held on 11 March 2020.

185. AC.4 postponed election of Chair and Vice-Chair to the next session of AC.4.

186. Due to the absence of the Chair or Vice-Chair of AC.4, AC.4 agreed that the session was chaired by the Secretary of the World Forum.

XXIII. Amendments to UN Rules annexed to the 1997 Agreement (agenda item 22)

A. Proposal for Amendment 1 to UN Rule No. 3 (agenda item 22.1)

Documentation: ECE/TRANS/WP.29/2020/39

187. See para. 188 below.

B. Proposal for Amendment 1 to UN Rule No. 4 (agenda item 22.2)

Documentation: ECE/TRANS/WP.29/2020/40

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

<i>Amendments to existing Rules</i>						
<i>Rule No.</i>	<i>Subject of the Rule</i>	<i>Contracting Parties</i>		<i>Document: ECE/TRANS/WP.29/...</i>	<i>Voting result: for/against/abstentions</i>	<i>Document status</i>
		<i>applying the Rule</i>	<i>represented and voting</i>			
3	PTI for vehicles with CNG, LPG and LNG propulsion systems	15	8	2020/39	6/0/2	Amendment 1
4	Roadworthiness condition of vehicles with electric or hybrid propulsion systems	15	8	2020/40	6/0/2	Amendment 1

XXIV. Establishment of new Rules annexed to the 1997 Agreement (agenda item 23)

189. No subject was raised under this agenda item.

XXV. Other business (agenda item 24)

190. No subject was raised under this agenda item.

⁶ The representatives of the Netherlands and the Russian Federation participated remotely.

Annex I**List of informal documents (WP.29-180-...) distributed without a symbol during the 180th session**

<i>No. WP.29-180-</i>	<i>Transmitted by</i>	<i>Agenda item</i>	<i>Language</i>	<i>Title</i>	<i>Follow-up</i>
1	Secretariat	2.2.	E	WP.29, Working Parties, Informal Working Groups and Chairmanship	(d)
2	Secretariat	2.2.	E	Priorities of work for the GRs	(c)
3	Secretariat	1.	E	180 th WP.29 running-order	(d)
4	Secretariat	1.	E	Consolidated annotated agenda	(b)
5	European Commission	4.8.7.	E.	Proposal for amendments to ECE/TRANS/WP.29/2020/18	(b)
6	GRPE	7.5	E	Proposal for amendments to ECE/TRANS/WP.29/2019/120	(e)
7	European Commission	4.9.6	E	Proposal for amendments to ECE/TRANS/WP.29/2020/36	(b)
8	Secretariat	5.1 & 13	E	Status of the 1998 Agreement of the global registry and of the compendium of candidates – Situation on priorities and proposals to develop UN GTRs as of 6 March 2020	(d)
9	Secretariat	12 & 14	E	Establishment of the Executive Committee (AC.3) and vote	(d)
10	GRVA	2.3.	E	Common Functional Performance Requirements for Automated Driving Systems and ADS-Equipped Vehicles	(e)
11	IWG on IWVTA	4.3.	E	Report to 180 th WP.29 session from the 32 nd IWVTA Informal Group meeting (Phase 2)	(d)
12	IWG on DETA	4.5.	E	Report to 180 th WP.29 session from the 37 th IWG on DETA meeting	(d)
13	IWG on DETA	4.5.	E	Report of the 37 th session of the IWG on DETA	(d)
14	Secretariat	8.4	E	Adopted proposals, amendments, corrigenda and new UN Regulations and situation of their entry into force	(d)
15	Republic of Korea	18.8	E	Request for authorization to develop Amendment 1 to UN GTR No. 8	(c)
16	Russian Federation	8.1	E	Results of state surveillance over passenger vehicles	(c)
17	Russian Federation	8.1	E/R	Draft proposals on amendments to UN Regulation No.66	(c)

<i>No. WP.29-180-</i>	<i>Transmitted by</i>	<i>Agenda item</i>	<i>Language</i>	<i>Title</i>	<i>Follow-up</i>
18	Secretariat	2.3	E	The 1958 Agreement and lifetime/lifecycle considerations	(d)
19	Japan	2.3	E	Japan's Policy and Contribution to the International Activities on Automated Driving	(d)
20	IWG on Tyre GTR	14.2.4.	E	Amend. 2 to GTR No. 16 on Tyres	(c)
21	IWG on PTI	7	E	Report to WP.29 about results of the 17th meeting of the Informal Working Group on Periodical Technical Inspections	(d)
22	Secretariat	21	E	Thirteenth session of the Administrative Committee AC.4	(d)
23	Secretariat	8.2	E	Joint WP.1-WP.29 meeting	(d)
24	Malaysia		E	Update on Malaysia Automotive Development	(d)
25	GRVA	8.2	E	Status report on WP.29 activities related to Automated and connected Vehicles	(d)
26	UK	8.2	E	Automated vehicle terminology Comparison between WP.1 and WP.29	(d)

Notes:

- (a) Issue as official document for the next session.
- (b) Adopted.
- (c) Continue or postpone consideration to the next session.
- (d) Consideration completed or to be superseded
- (e) Referred to GR(s)/IWG for consideration

Annex II

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

Situation on priorities and proposals to develop UN GTRs as of 11 March 2020

GRVA

Item	Informal group (Yes-No)/ Chair & Vice- Chair		Tech. sponsor	Formal proposal (ECE/TRANS/ WP.29/...)	Proposal for a draft UN GTR (ECE/TRANS/WP.29/..)	State of play/Comments
[Amendment 3] to UN GTR No. 3 (motorcycle brake systems)	No		Italy	AC.3/47	GRVA/2019/23	GRVA completed the worked on this item and recommended its proposal to AC.3 for vote in March 2020.
[Amendment 1 to UN GTR No. 8 (ESC)]						Initial discussions took place at GRVA and during this session

GRSP

Item	Informal group (Yes-No)/ Chair & Vice-Chair		Tech. sponsor	Formal proposal (ECE/TRANS/ WP.29/).../	Proposal for a draft UN GTR (ECE/TRANS/WP.29/..)	State of play/Comments
Phase 2 of UN GTR No. 7 (Head Restraints)	Yes/UK		Japan	AC.3/25/ Rev.1	2014/86 (fourth progress report) GRSP/2019/5 (Draft UN GTR)	AC.3 is expected to vote Amendment 1 to the UN GTR No. 7 at its June 2020 session. GRSP is expected to finalize discussion on of a draft Addendum 1 to the M.R.1 at its May 2020 session.
Amendment 2 - Phase 2 of UN GTR No. 9 (Flex-PLI) (Pedestrian Safety)	Yes/ Germany/ Japan		Germany/ Japan	AC.3/24	/2019/119	At its November 2019 session AC.3 adopted Amendment 2 to Mutual Resolution No. 1 to insert Addendum 3 related to drawings and technical specifications of flex-PLI
Amendment 3 to UN GTR No. 9			Netherlands	AC.3/31	GRSP/2012/2 GRSP/2014/5	GRSP will continue consideration on a proposal concerning points of contact of headform impactors at its May 2020 session, also considering the issue of adjustable suspension systems.
Amendment 4 to UN GTR No. 9			Republic of Korea		AC.3/45/Rev.1 2018/162 (ToR)	AC.3 endorsed the ToR of IWG-DPPS (.../2018/162). GRSP will resume consideration on Amendment 4 to the UN GTR to provide the test procedure for deployable systems of the outer

* Information on the contracting parties (38), the Global Registry and the Compendium of Candidates are in document ECE/TRANS/WP.29/1073/Rev.26.

Item	Informal group (Yes–No)/ Chair & Vice-Chair		Tech. sponsor	Formal proposal (ECE/TRANS/ WP.29).../	Proposal for a draft UN GTR (ECE/TRANS/WP.29/..)	State of play/Comments
Phase 2 of UN GTR No. 13 (HFCV)			Japan, Republic of Korea and the European Union	AC.3/49 2018/75 (ToR)		surface to ensure an adequate protection of pedestrians at its May 2020 session. The ToR of IWG were endorsed at June 2018 session of AC.3 (ECE/TRANS/WP.29/2018/75).
UN GTR No. 14 (PSI)	Yes/ Australia		Australia	AC.3/28		No new information was provided at the March 2020 session of WP.29.
UN GTR No. 20 (EVS) – Phase 2	Yes/USA/ European Union/ Japan/ China		European Union/ Japan/ USA/ China	AC.3/50 & Corr.1 (authorizat ion to develop Phase 2)		GRSP started Phase 2 concerning the long-term research. AC.3:

GRPE

Item	Informal group (Yes–No)/ Chair & Vice-Chair		Tech. sponsor	Formal proposal (ECE/TRANS/ WP.29/...)/	Proposal for a draft UN GTR (ECE/TRANS/WP.29/..)	State of play/Comments
Amend. 4 to UN GTR No. 2 (WMTC)	Yes/European Union (EPPR)		European Union	AC.3/36/ Rev.1 (based on 2015/113)		AC.3 adopted the Amend. 4 at its November 2019 session.
[Amend. 6] to UN GTR No. 15 (WLTP)	Yes/ Netherlands (WLTP)		European Union/ Japan	AC.3/44 (based on 2016/73)		AC.3 to vote during the November 2020 session.
[Amend. 1] to UN GTR No. 18 (OBD for L-cat)	Yes/European Union (EPPR)		European Union	AC.3/36/ Rev.1 (based on 2015/113)		AC.3 to vote during the [November 2020] session.
[Amend 3] to UN GTR No. 19 (WLTP EVAP)	Yes Netherlands (WLTP)		European Union/ Japan	AC.3/44 (based on 2016/73)		AC.3 to vote during the June 2020 session
UN GTR No. [XX] on the Determination of Electrified Vehicle Power (DEVP)	Yes/USA/ China/ Japan		Canada/ China/European Union/ Japan/USA	AC.3/53/ Rev.1		AC.3 to vote during the November 2020 session.
UN GTR No. [XX] on Global Real Driving Emissions (RDE)	Yes/European Union/ Japan/ Rep. of Korea		European Union/ Japan/ Rep. of Korea	AC.3/54		AC.3/51 amended by AC.3/54; UN GTR expected at AC.3 in June 2021

<i>Item</i>	<i>Informal group (Yes-No)/ Chair & 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>
[UN GTR No. XX on in-vehicle battery durability]	Yes/USA/ China/ Japan	Canada/ China/European Union/ Japan/USA	ECE/TR ANS/WP 29/GRPE/ 80, Annex X		AC.3 to consider request for authorization during the June 2020 session

GRBP

<i>Item</i>	<i>Informal group (Yes-No)/ Chair & 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>
Quiet Road Transport Vehicle	Yes/USA/ Japan	European Union/Japan/ USA	AC.3/33 (Including ToR)		AC.3 expects a progress report of the ITWG on QRTV
[Amendment 2] to UN GTR No. 16 (Tyres)	Yes/Russian Federation	Russian Federation	AC.3/48	-	This former GRRF activity has been transferred to GRBP.

GRSG

<i>Item</i>	<i>Informal group (Yes-No)/ Chair & 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>
Panoramic Sunroof Glazing (PSG)	Yes/Rep. of Korea/ Germany	Rep. of Korea	AC.3/41		WP.29/AC.3 extended the mandate of the IWG on PSG until April 2020. In the meantime, AC.3 established in the Global Registry Corrigendum 2 to UN GTR No. 6 (to clarify the scope).
Amendments to UN GTR No.6 (Safety Glazing)	No	India	AC.3/52		AC.3 endorsed the authorization (2018/167) to develop an amendment to UN GTR No. 6 on thinner laminated-glass panes for front of upper deck of double decked buses.

Subjects for exchange of views

<i>Working Party</i>	<i>Item</i>	<i>Inf. group (Yes-No)/ Chair & 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 (second progress report)	AC.3 was informed on the progress made in relation to the 5th percentile female dummy and noted that a redesign of the dummy might be necessary. AC.3 extended the mandate of the IWG until December 2017.
WP.29	ITS	No	---	---	No new information was provided to AC.3.
WP.29	New technology not yet regulated	No	No	---	Exchange of views took place on priorities for work on new technologies including automated driving functionalities, in-vehicle communications, cyber security and data protection

Annex III

**World Forum for Harmonization of Vehicle Regulations
(WP.29):
Working Parties, Informal Working Groups and Chairs
on 1 February 2020**

	<i>Working Parties and informal working groups</i>	<i>Chair/Co-Chairs Vice-Chair</i>	<i>Country</i>	<i>Expiry date of the mandate</i>
WP.29	World Forum	Mr. B. Kisulenko Mr. A. Erario	Russian Federation Italy	2020
	Intelligent Transport Systems (ITS)	Mr. H. Inomata Mr. I. Yarnold Ms. J. Doherty	Japan UK USA	March 2020
	Electronic Database for the Exchange of Type Approval documentation (DETA)	Mr. S. Paeslack	Germany	June 2019
	International Whole Vehicle Type Approval (IWVTA)	Mr. T. Onoda	Japan	November 2019
	Enforcement Working Group	N.N.		2020
	Periodic Technical Inspections (PTI)	Mr. H. P. Weem Mr. V. Komarov	Netherlands Russian Federation	November 2019
GRBP	Noise and Tyres	Mr. S. FICHEUX Mr. A. BOCHAROV	France Russian Federation	2020
	Quiet Road Transport Vehicles (QRTV UN GTR)	Mr. H. Mohammed Mr. I. Sakamoto	USA Japan	December 2020
	Additional Sound Emission Provisions (ASEP)	Mr. B. Schuttler Mr. D. Xie Mr. K. Okamoto	Germany China Japan	September 2020
	Wet grip performance for tyres in worn state (WGWT)	Mrs. E. Collot Mr. A. Vosinis	France EC	September 2020
	Measurement Uncertainties (MU)	Mr. T. Berge	Norway	December 2021
GRE	Lighting and Light-Signalling	Mr. M. LOCCUFIER Mr. D. ROVERS	Belgium Netherlands	2020
	Simplification of the Lighting and Light Signalling Regulations (SLR)	Mr. M. Loccufier M. A. Lazarevic	Belgium EC	December 2022
GRPE	Pollution and Energy	Mr. A. RIJNDERS Mr. D. KAY	Netherlands UK	2020
	Environmental and Propulsion Performance Requirements of L-category vehicles (EPPR)	Mr. A. Perujo Mr. H. Suzuki	EC Japan	December 2020
	Electric Vehicle and Environment (EVE)	Mr. M. Olechiv Mrs. C. Chen Mr. H. Ishii	USA China Japan	June 2021
	Particle Measurement Programme (PMP)	Mr. G. Martini	EC	June 2021
	Vehicle Interior Air Quality (VIAQ)	Mr. A. Kozlov Mr. J. Lim	Russian Federation Republic of Korea	November 2020
	Worldwide harmonized Light vehicles Test Procedures (WLTP Phase 2)	Mr. R. Cuelenaere Mr. D. Kawano	Netherlands Japan	June 2020

	<i>Working Parties and informal working groups</i>	<i>Chair/Co-Chairs Vice-Chair</i>	<i>Country</i>	<i>Expiry date of the mandate</i>
	Global Real Driving Emissions (RDE)	Ms. P. Dilara Mr. Y. Kono Mr. J. Park	EC Japan Republic of Korea	November 2021
GRVA	Automated/Autonomous and Connected Vehicles	Mr. R Damm Ms. C. Chen Mr. T. Onoda	Germany China Japan	2020
	Functional Requirements for Automated and Autonomous Vehicles (FRAV) [Incorporating ACSF below]	Mr. E. Wondimneh ⁷ Ms. C. Chen. ¹ Mr. R. Damm ¹	USA China Germany	March 2020
	Validation Method for Automated Driving (VMAD)	Mr. T. Onoda ¹ Mr. P. Striekwold ¹ Mr. I. Sow ¹	Japan Netherlands Canada ⁸	December 2020
	Cyber Security and Over-The-Air software updates (CS/OTA)	Mr. T. Niikuni ¹ Dr. D. Handley ¹ Ms. M. Versailles	Japan UK USA	November 2022
	Event Data Recorder / Data Storage System for Automated Driving (EDR/DSSAD)	T. Guiting ¹ T. Niikuni ¹ Mrs. J. Doherty ¹	Netherlands Japan USA	November 2020
	Automatically Commanded Steering Functions (ACSF) [Incorporated in FRAV above]	Mr. C. Theis⁺ Mr. H. Morimoto⁺	Germany Japan	March 2020
	Advanced Emergency Braking Systems (AEBS)	Mr. A. Lagrange ¹ Mr. T. Hirose ¹	EC Japan	March 2020
	Modular Vehicle Combinations (MVC)	Mr. A. Gunneriusson	Sweden	March 2020
GRSP	Passive Safety	Mr M. Koubek Mr H. G. Kim	USA Republic of Korea	2020
	Harmonization of Side Impact Dummies			Tbd
	UN GTR No. 7 on Head Restraints - Development of Phase 2	Mr. B. Frost	UK	dissolved
	UN GTR No. 9 on Pedestrian Safety – Development of Phase 2	Mr. R. Damm	Germany	dissolved
	UN GTR No. 9 on Pedestrian Safety Deployable – Pedestrian Protection Systems (DPPS)	Mr. J. S. Park	Republic of Korea	June 2020
	Electric Vehicle Safety (EVS) – Phase 2	Mr. M. Koubek M. A. Lazarevic	USA, China and EC Vice-Chairs	December 2021
	Specification of the 3D-H machine	Mr. L. Martinez	Spain	Tbd
	Hydrogen and Fuel Cell Vehicles (HFCV) – Phase 2	Mr. M. Koubek Mr. M. Takahashi ¹	USA Japan	December 2020

⁷ IWG Co-Chairs

⁸ Subject to political confirmation

	<i>Working Parties and informal working groups</i>	<i>Chair/Co-Chairs Vice-Chair</i>	<i>Country</i>	<i>Expiry date of the mandate</i>
	Protective Helmets	Mr. L. Rocco	Italy	suspended
	Safer Transport of Children in Buses and Coaches	Ms. Marta Angles	Spain	March 2023
GRSG	General Safety	Mr. A. Erario Mr. K. Hendershot	Italy Canada	2020
	Panoramic Sunroof Glazing (PSG)	Mr. S. Eom Mr. T. Fuhrmann	Republic of Korea Germany	April 2020
	Awareness of Vulnerable Road Users proximity (VRU-Proxi)	Mr. Y. Matsui Mr. P. Broertjes	Japan EC	April 2021
	Behaviour of M ₂ and M ₃ category vehicles' general construction in case of fire events (BMFE)	Mr. F. Herveleu	France	October 2020

World Forum for Harmonization of Vehicle Regulations: Administrative/Executive Committees and Chairs

	<i>Committees</i>	<i>Chair Vice-Chair</i>	<i>Country</i>	<i>Expiry date of the mandate</i>
AC.1	Administrative Committee of the 1958 Agreement	Mr. B. Kisulenko Mr. A. Erario	Russian Federation Italy	N.a.
AC.2	Administrative Committee for the coordination of work	Mr. B. Kisulenko	Russian Federation	2020
AC.3	Executive Committee of the 1998 Agreement	Mr. E. Wondimneh Mr. I. Yarnold Mr. H. Inomata	USA UK Japan	N.a.
AC.4	Administrative Committee of the 1997 Agreement	Mr. B. Kisulenko	Russian Federation	N.a.

Annex IV

Draft calendar of Meetings of WP.29, GRs and Committees for 2020, as per 10 March 2020

Month	Meeting (title and session No.)	Dates proposed	Schedule	Half-days	Interpretation	12 weeks deadline	Delegates
JANUARY	Working Party on Pollution and Energy (GRPE) (80 th session)	14-17	p.m./a.m.	6	Yes	21.10.2019	150
JANUARY	Working Party on Noise and Tyres (GRBP) (71 st session)	28-31	p.m./a.m.	6	Yes	04.11.2019	120
FEBRUARY	Working Party on Automated/Autonomous and Connected Vehicles (GRVA) (5 th session)	10-14	p.m./a.m.	8	Yes	18.11.2019	150
MARCH	Working Party on Automated/Autonomous and Connected Vehicles (GRVA) (6th session)	3-4	a.m./a.m.	4	Yes		150
MARCH	Administrative Committee for the Coordination of Work (WP.29/AC.2) (132 nd session)	9-10	p.m./a.m.	2	No		35
MARCH	World Forum for Harmonization of Vehicle Regulations (WP.29) (180 th); Admin. Committee of the 1958 Agreement (AC.1: 74 th session); Executive Committee of the 1998 Agreement (AC.3: 58 th session); Admin. Committee of the 1997 Agreement (AC.4: 15 th session)	10-12 (11-12)	p.m./p.m. (p.m.- p.m./a.m.)	5	Yes	09.12.2019	160
MARCH/APRIL	Working Party on General Safety Provisions (GRSG) (118 th session)	30-3	p.m./a.m.	8	Yes	06.01.2020	120
APRIL	Working Party on Lighting and Light-Signalling (GRE) (83 rd session)	21-24	a.m./p.m.	8	Yes	28.01.2020	120
MAY	Working Party on Passive Safety (GRSP) (67 th session)	11-15	p.m./a.m.	8	Yes	17.02.2020	120
JUNE	Working Party on Pollution and Energy (GRPE) (81 st session)	9-12	p.m./a.m.	6	Yes	17.3.2020	150
JUNE	Administrative Committee for the Coordination of Work (WP.29/AC.2) (133 rd session)	23	a.m.	2	No		35
JUNE	World Forum for Harmonization of Vehicle Regulations (WP.29) (181 st session); Admin. Committee of the 1958 Agreement (AC.1: 75 th session); Executive Committee of the 1998 Agreement (AC.3: 59 th session); Admin. Committee of the 1997 Agreement (AC.4: 16 th session)	23-25 (24-25)	p.m./p.m. (p.m.- p.m./a.m.- p.m.)	5	Yes	30.03.2020	160
SEPTEMBER	Working Party on Noise and Tyres (GRBP) (72 nd session)	7-9	p.m./p.m.	5	Yes	15.06.2020	120
SEPTEMBER	Working Party on Automated/Autonomous and Connected Vehicles (GRVA) (7 th session)	21-25	a.m./a.m. 10.00 a.m.	8	Yes	29.06.2020	150
OCTOBER	Working Party on General Safety Provisions (GRSG) (119 th session)	6-9	a.m./a.m.	7	Yes	14.07.2020	120
OCTOBER	Working Party on Lighting and Light-Signalling (GRE) (84 th session)	20-23	a.m./a.m.	7	Yes	28.07.2020	120
NOVEMBER	Administrative Committee for the Coordination of Work (WP.29/AC.2) (134 th session)	9-10	p.m./a.m.	2	No		35
NOVEMBER	World Forum for Harmonization of Vehicle Regulations (WP.29) (182 nd session); Admin. Committee of the 1958 Agreement (AC.1: 76 th session); Executive Committee of the 1998 Agreement (AC.3: 60 th session); Admin. Committee of the 1997 Agreement (AC.4: 17 th session)	10-12 (11-12)	p.m./p.m. a.m.- p.m./a.m.- p.m./a.m.	5	Yes	17.08.2020	160
DECEMBER	Working Party on Passive Safety (GRSP) (68 th session)	7-11	p.m./a.m.	8	Yes	14.09.2020	120
		TOTAL: 111 half days = 55.5 days					

Except the three sessions of the Administrative Committee (WP.29/AC.2) (without interpretation), all sessions are **PUBLIC**

The sessions scheduled "p.m./a.m." will begin in the afternoon, at 2.30 p.m. on the indicated date and are expected to last to 12.30 p.m. on the indicated date.

The sessions scheduled "p.m./p.m." will begin in the afternoon, at 2.30 p.m. on the indicated date and are expected to last to 5.30 p.m. on the indicated date.

The sessions not marked in the column "schedule" start at 9.30 a.m. on the indicated date and are expected to last to 5.30 p.m. on the indicated date.

The sessions of WP.29/AC.2 and of the World Forum (WP.29) begin at 10.00 a.m. (the first day only) and at 10.30 am on last day (Friday). During the WP.29 sessions, the Administrative Committee of the 1958 Agreement (AC.1) will hold its sessions usually on Wednesday, sessions of the Executive Committee of the 1998 Agreement (AC.3) are expected to be held on Wednesday afternoon, and sessions of the Administrative Committee of 1997 Agreement (AC.4) would be held on Wednesday immediately following the AC.1, if necessary.