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World Forum for Harmonization of Vehicle Regulations

177th session

Geneva, 12-15 March 2019

Reports of the

World Forum for Harmonization of Vehicle Regulations on its 177th session

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

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

Administrative Committee of the 1997 Agreement on its thirteenth session

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I. Attendance

1. The World Forum for Harmonization of Vehicle Regulations (WP.29) held its 177th session from 12 to 15 March 2019, chaired by Mr. B. Kisulenko (Russian Federation). The following countries were represented, following Rule 1 of the Rules of Procedure of WP.29 (ECE/TRANS/WP.29/690/Rev.1): Australia, Austria, Belgium, Belarus, Bosnia and Herzegovina, Canada, China, Croatia, Czechia, Finland, France, Georgia, Germany, Hungary, India, Italy, Japan, Jordan, Kazakhstan, Latvia, Luxembourg, Malaysia, Netherlands, Norway, Poland, Republic of Korea, Republic of Moldova, Romania, Russian Federation, San Marino, South Africa, Spain, Sweden, Switzerland, Turkey, United Kingdom of Great Britain and Northern Ireland, and the United States of America. Representatives of the European Union participated. The following international organization was represented: International Telecommunication Union (ITU). The following non-governmental organizations were also represented: Association for Emissions Control by Catalyst (AECC), European Association of Automotive Suppliers (CLEPA/MEMA/JAPIA)¹, Consumers International (CI), European Tyre and Rim Technical Organization (ETRTO), Federation Internationale des Grossistes, Importateurs et Exportateurs en Fournitures Automobiles (FIGIEFA), International Automotive Lighting and Light Signalling Expert Group (GTB), International Motor Vehicle Inspection Committee (CITA), International Motorcycle Manufacturers Association (IMMA), International Organization of Motor Vehicle Manufacturers (OICA), Recreation Vehicle Industry Association (RVIA) and SAE International. Other non-governmental organizations were represented following Rule 1(d): American Automotive Policy Council (AAPC), Fédération Internationale de l'Automobile (FIA) and World Bicycle Industry Association (WBIA).

II. Opening

2. The Chair of WP.29 welcomed delegates to the 177th session of the World Forum for Harmonization of Vehicle Regulations, WP.29, and opened the meeting.
3. The Chair of WP.29 called for a minute of silence in memory of the victims of the tragic aircraft crash in Ethiopia, where 157 persons from more than 30 nationalities perished. More than twenty UN staff members had been among the victims.

III. Adoption of the agenda (agenda item 1)

Documentation: ECE/TRANS/WP.29/1144 and Add.1
Informal document WP.29-177-05

4. The annotated provisional agenda was adopted.
5. The list of informal documents is reproduced in Annex I to this report.

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

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)

6. The 129th session of WP.29/AC.2 (11 March 2019) was chaired by Mr. B. Kisulenko (Russian Federation) and was attended, in accordance to Rule 29 of the terms of reference and rules of procedure of WP.29 (TRANS/WP.29/690/Rev.1) by the Chairs of Working Party on Noise (GRBP) (France), Working Party on Lighting and Light-Signalling (GRE) (Belgium), Working Party on Pollution and Energy (GRPE) (Netherlands), Working Party on Automated/Autonomous and Connected Vehicles (GRVA) (United Kingdom Of Great Britain and Northern Ireland), Working Party on General Safety Provisions (GRSG) (Italy), the Vice-Chair of Working Party on Passive Safety (GRSP) (Republic of Korea), the Chair of the Executive Committee (AC.3) of the 1998 Agreement (Japan), the Vice-Chair of WP.29 (Italy), and by the representatives of Canada, China, Germany, United States of America and European Union.

7. AC.2 reviewed the proposed calendar of meetings for 2020 and recommended to reassess the distribution of meeting half-days among “Groupe de Rapporteurs” (GRs) at the upcoming sessions of AC.2 during 2019, and in accordance with set priorities and workload of GRs. AC.2 also reviewed WP.29-177-01 and discussed the expired mandates.

8. AC.2 discussed in detail the draft programme of work (ECE/TRANS/WP.29/2019/1) and proposed changes related to the work of GRE and requested the introduction of a new item in Table 1, to be numbered as 1.0, to include all items concerning vehicle automation that are relevant to all Agreements under its purview. The revised programme of work is reproduced in Annex III of this report.

9. AC.2 reviewed the WP.29 Strategic note on priorities of work. AC.2 requested Chairs of GRs to provide their lists of priorities to the secretariat to compile as a new document on priorities for the June 2019 session of AC.2.

10. AC.2 discussed the document titled European Union Work priorities for 2019-2021 for ECE activities and requested the secretariat to transmit it to WP.29 for discussion (WP.29-177-18).

11. AC.2 reviewed and discussed documents WP.29-177-04 and WP.29-177-08. Following discussions among GR Chairs, Japan offered to merge them into a single framework document on automated/autonomous vehicles to be transmitted to WP.29 for discussion (WP.29-177-19).

12. AC.2 discussed the draft terms of reference for the Informal Working Group (IWG) on Intelligent Transport Systems (ITS) and asked the secretariat to issue it as informal document for WP.29 to seek feedback on several open questions (WP.29-177-14).

13. The Chair of IWG on International Whole Vehicle Type Approval (IWVTA) reported on the progress in phase II of UN Regulation No. 0 and reminded all GR Chairs on the review for candidate regulations.

14. AC.2 noted that Database on the Exchange of Type Approval (DETA) will go operational by 18 March 2019 and thanked Germany for its support in hosting DETA.

15. The Vice Chair of WP.29 reported on the joint WP.29-WP.1 event during the week of the eighty-first session of the Inland Transport Committee.

16. AC.2 reviewed and adopted the provisional agenda of the 177th session of the World Forum and reviewed the draft agenda of the 178th session of the World Forum, scheduled to be held in Geneva from 25 to 28 June 2019.

17. AC.2 recalled that consideration of the package for the simplification of lighting and light-signalling UN Regulations (SLR), including the three new draft UN Regulations, had been postponed from November 2018 to the March 2019 session of WP.29. Therefore, if adopted, the SLR package would enter into force in September- October 2019. AC.2 noted that GRE had already approved first amendments to the new UN Regulations as well as amendments to other UN Regulations with specific references to the new Regulations, and that these amendment proposals were intended for submission to the June 2019 session of WP.29. Because the original SLR package would not be yet in force by June 2019, AC.2 recommended to postpone consideration of these proposals to the November 2019 session of WP.29.

18. The representative of the Netherlands, Chair of GRPE, informed AC.2 on a recent withdrawal of type approvals under UN Regulation No.16 for two suppliers and problems encountered when informing other type approval authorities. The secretariat recalled that information in the '343-application' needs to be kept up to date.

19. AC.2 recommended Administrative Committee of the 1997 Agreement (AC.4) not to convene.

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

Documentation: ECE/TRANS/WP.29/2019/1
Informal documents: WP.29-177-01 and WP.29-177-18

20. The Secretary of WP.29 presented the WP.29 programme of work highlighting the strategic priorities. WP.29 adopted the programme of work ECE/TRANS/WP.29/2019/1 pending the revisions requested by AC.2 (para. 11). The revised programme of work is reproduced in Annex III of this report.

21. The World Forum took note of the list of informal working groups (WP.29-177-01).

22. The representative of the European Union presented its work priorities for 2019-2021 for activities at WP.29 (WP.29-177-18), which contained a list of envisaged regulatory activities for WP.29 subsidiary GR and tentative timelines for their accomplishment.

23. The representative of OICA stated that, in particular for the items related to automated and autonomous vehicles, continuous coordination of activities, clear identification and allocation of responsibilities, among the GRs is needed to avoid divergencies in the overall direction of activities.

24. The representative of the United States of America welcomed the document (WP.29-177-18) but invited interested contracting parties to also share their priorities for the work of WP.29 with the Forum and recalled that the priorities for work of the World Forum were contained in its Programme of Work document.

C. Intelligent transport systems and coordination of automated vehicles related activities (agenda item 2.3)

Documentation: ECE/TRANS/WP.29/2019/2
Informal documents: WP.29-177-04, WP.29-177-08, WP.29-177-13
WP.29-177-14, WP.29-177-17 and WP.29-177-19

25. The representative of the United Kingdom, Chair of GRVA, introduced ECE/TRANS/WP.29/2019/2. He proposed to delay the adoption of this document until the review of WP.29-177-19, which was under preparation at that time.
26. The representative of the European Union introduced WP.29-177-04 focusing on the priorities of work on vehicle automation, allocating the work to the relevant working groups and proposing deadlines and deliverables.
27. The representative of the United States of America introduced WP.29-177-08 referring to the work priorities on vehicle automation in ECE/TRANS/WP.29/2019/2 and proposing principles relevant for the performance assessment of automated vehicles.
28. The representative of CLEPA introduced WP.29-177-13, stressing the need to complete the Automated Lane Keeping Systems (ALKS) activities of IWG on Automatically Commanded Steering Function, as one working package.
29. The Co-Chair of the IWG on ITS introduced draft Terms of Reference (ToR) proposed in WP.29-177-14, acknowledging that there would be need for further improvement.
30. The representatives of Finland and ITU supported the document. The representatives of Germany and of the United States of America raised questions on the content of the draft proposal.
31. The Chair stated the need to preserve the activities of IWG on ITS.
32. WP.29 reflected on the possibility to have the IWG on ITS as a platform for exchange with other Working Parties under ITC, other United Nations organizations such as ITU, standardization organizations and other stakeholders active in ITS.
33. WP.29 requested the Co-Chairs of IWG on ITS to submit a revised version of ToR to its June 2019 session.
34. The representative of the Technical University of Budapest, Hungary, presented ZalaZONE Proving Ground facility, a test field for classic and automated vehicles, located in the city of Zalaegerszeg, Hungary. In his detailed presentation (WP.29-177-17) he introduced project development and operations, including its background, purpose, investment costs, location details, size of the testing ground and its modules, available facilities, the business and operational model, phases of construction and operation, cooperating countries, industrial and academic partners, and the expected results. He emphasized that the testing ground was the first of its kind to incorporate roads in three countries (Austria, Hungary and Slovenia), and to allow cross border testing of automated vehicles.
35. WP.29 expressed its appreciation to the representative of the Technical University of Budapest for this information.
36. The representative of OICA introduced WP.29-177-20 on the views of OICA on certifying automated / autonomous vehicles and on the “Multi-pillar Approach for the Certification of Automated Vehicles”. He emphasised the importance for the industry that the contracting parties would harmonize performance requirements for automated vehicles. He also introduced WP.29-177-20/Add.1 with a consolidated table on the items in guidelines issued by contracting parties. He called for an exchange with the contracting parties on these items.
37. The representative from Japan stated that Japan as well as other contracting parties were willing to exchange views with OICA, including on WP.29-177-20/Add.1.
38. The representative of the United States of America welcomed the proposals and input from the industry (represented by AAPC, CLEPA and OICA).

39. The secretariat recalled the series of meetings between December 2018 and March 2019 that led to the preparation of WP.29-177-19 and presented the informal document following which the World Forum had a wide-ranging discussion.

40. The representatives from AAPC, CLEPA, Sweden, and the United States of America offered their views and questions on how the existing ongoing activities were to be included in the document. The representative of the United Kingdom, who had assisted in preparing the document explained that it was aimed at setting the strategic vision for WP.29 in this framework document rather than to intervene in how GRVA would structure its work plan. For this reason, it did not provide much details on these aspects. The representative of the European Union clarified that the said ongoing activities would be addressed as a part of the identified priorities included in the table contained in the document.

41. The representatives of Australia, China, European Union and United Kingdom of Great Britain and Northern Ireland welcomed the document.

42. The representative of Japan thanked all involved delegates for their efforts to prepare a framework document for automated/autonomous vehicles based on the contributions from the European Union and the United States of America, including the prioritized topics and working management, as the framework document was vital to coordinate the activities and solve concerns of stakeholders.

43. He also mentioned that Japan would support this direction and emphasized the importance of further discussions based on informal document WP.29-177-19, which was submitted for discussion at this session of WP.29.

44. He stated that the special session of GRVA in June 2019, before the next session of WP.29, would be a good opportunity to discuss ToRs based on the document as well as the draft regulations on cyber security and software update. He also expressed the willingness of Japan to contribute to discussions for the establishment of those items.

45. He recalled the internal discussions, at political level, about the external Human Machine Interface (HMI) related to automated/autonomous vehicles, specified in the formal document ECE/TRANS/WP.29/2019/2. He underlined the importance of the function, informing the surrounding of the vehicle when it is driven in an automated mode above Level 3, to ensure safety of traffic participants around.

46. The World Forum agreed the general approach outlined in WP.29-177-19 and directed GRVA to use the issues, topics and deliverables from the document as guidance to inform its further discussions on structuring its work and delivery plans. WP.29-177-19 would be transformed into a formal document for the 178th session. The World Forum expected GRVA to report at the June 2019 session on its proposed structure, and ToRs of informal groups in this respect.

47. WP.29 noted the proposal of the GRVA Chair to use the special session of GRVA, that would take place on 3-4 June 2019², to address cyber security and software updates as envisaged (see para. 44) and to review proposals for ToRs for four informal working groups.

48. WP.29 adopted ECE/TRANS/WP.29/2019/2 with the following amendment:

² Note by the Secretariat: Confirmation of room received on the last day of 177th session of WP.29.

Table 1, to read:

<i>Title</i>	<i>Allocation to</i>	<i>Main targets</i>	<i>Comments</i>
Framework document on automated /autonomous vehicles	GRVA WP.29	Automated / Autonomous vehicles	This work item should concentrate on developing principles and guidelines governing automated / autonomous vehicles and especially their safety. It covers all key elements and evaluation methods.
...

D. Follow-up to the eighty-first session of the Inland Transport Committee (ITC) (agenda item 2.4)

Documentation: Informal document ITC (2019) No.9/Rev.5

49. The secretariat presented the list of main decisions adopted at the eighty-first session of ITC (19-22 February 2019). Decisions Nos. 22, 23 and 27 were emphasized as of particular importance to the work of WP.29.

50. In decision No. 22, the ITC considered the status of Intelligent Transport Systems (ITS) in its work and that of its subsidiary bodies, and, among other considerations, decided to encourage continuation of the work of WP.29 on regulating autonomous/automated and connected vehicles;

51. In decision No. 23, the ITC welcomed the actions taken by Global Forum on Road Safety (WP.1) and WP.29 in the area of automated driving, including the organization of the joint event on the “Safe deployment of automated vehicles in traffic”, which resulted in a high profile and productive occasion to identify priority areas in the field of automated driving. The ITC Invited WP.1 and WP.29 to continue their close cooperation to facilitate the safe deployment of automated vehicles.

52. In decision No. 27, the ITC endorsed the transformation of the Working Party on Brakes and Running Gear (GRRF) to the Working Party on Autonomous/Automated Vehicles (GRVA), implementing the relevant ITC decision (ECE/TRANS/274, para 52). In the decision the ITC also endorsed amendments to the WP.29 terms of reference and rules of procedure, reflecting the transformation of GRRF to GRVA and other consequent adaptations, including the renaming of the Working Party on Noise (GRB) to Working Party on Noise and Tyres (GRBP), and the request for an additional session for GRVA in 2019. The ITC in its decision reiterated support for hosting the (DETA) at ECE; and requested financing of DETA under the United Nations budget.

53. The secretariat also introduced the main elements of the ITC strategy until 2030, including the vision, mission, strategic objectives, action plan, list of priorities and resource mobilization and partnership.

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

A. Working Party on Noise (GRB) (Sixty-eighth session, 12-14 September 2018) (agenda item 3.1)

Documentation: ECE/TRANS/WP.29/GRB/66

54. The World Forum recalled the report of the Chair of GRB on its sixty-eighth session (ECE/TRANS/WP.29/GRB/66) and approved the report.

B. Working Party on Automated/Autonomous and Connected Vehicles (GRVA) (First session, 25-28 September 2018) (agenda item 3.2)

Documentation: ECE/TRANS/WP.29/GRVA/1

55. The World Forum recalled the report of the Chair of GRVA on its first session (ECE/TRANS/WP.29/GRVA/1) and approved the report.

C. Working Party on General Safety (GRSG) (115th session, 9-12 October 2018) (agenda item 3.3)

Documentation: ECE/TRANS/WP.29/GRSG/94

56. The World Forum recalled the report of the Chair of GRSG on its 115th session (ECE/TRANS/WP.29/GRSG/94) and approved the report.

D. Working Party on Lighting and Light-Signalling (GRE) (Eightieth session, 23-26 October 2018) (agenda item 3.4)

Documentation: ECE/TRANS/WP.29/GRE/80

57. The World Forum recalled the report of the Chair of GRE on its eightieth session (ECE/TRANS/WP.29/GRE/80) and approved the report.

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

1. Working Party on Passive Safety (GRSP) (Sixty-fourth session, 11-14 December 2018) (agenda item 3.5.1)

58. The representative of the United States of America, on behalf of the Chair of GRSP informed WP.29 about the results made by his group during its sixty-fourth session (for details see the session report ECE/TRANS/WP.29/GRSP/64)

59. The World Forum noted that Mr. N. Nguyen (United States of America) had been elected as GRSP Chair and re-elected Mr. J. W. Lee (Republic of Korea) as Vice-Chair of GRSP for the year 2019 sessions.

2. Working Party on Pollution and Energy (GRPE) (Seventy-eighth session, 8-11 January 2019) (agenda item 3.5.2)

60. The Chair of GRPE (Netherlands) reported to WP.29 on the results achieved by GRPE during its seventy-eight session (for more details see the report of the session ECE/TRANS/WP.29/GRPE/78)

61. He noted that GRPE endorsed the Terms of Reference for the IWG on Real Driving Emissions (RDE), with a timeline reflecting the views of all parties involved.

62. He mentioned that GRPE also endorsed ECE/TRANS/WP.29/2019/33, giving a mandate to the IWG on Electric Vehicle and the Environment (EVE) proposed for approval during this session of WP.29/AC.3.

3. Working Party on Noise (GRB) (Sixty-ninth session, 22-25 January 2019) (agenda item 3.5.3)

63. The GRB Chair reported on the results achieved by GRB during its sixty-ninth session (for details, see the report of the session ECE/TRANS/WP.29/GRB/67).

64. He mentioned that GRB had decided to introduce transitional provisions in Supplements 4 and 5 to the 03 series of amendments to UN Regulation No. 51. Given a limited transition period foreseen, he requested WP.29 to exceptionally consider these transitional provisions already at this session under agenda item 4.6.2, on the basis of a revised document ECE/TRANS/WP.29/2019/4/Rev.1.

65. He pointed out that GRB had established a new Informal Working Group on Wet Grip Performance for Tyres in a Worn State (WGWT) and adopted its Terms of Reference and that France and the European Commission would act as Chair and Co-Chair, respectively, while ETRTO would provide secretariat support

66. The GRB Chair also mentioned that, in line with the WP.29 request, GRB was soliciting views of national road administrations on the draft Resolution on Road Surface Labelling.

4. Working Party on Automated/Autonomous and Connected Vehicles (GRVA) (Second session, 28 January-1 February 2019) (agenda item 3.5.4)

Documentation: Informal document WP.29-177-13

67. The representative of the United Kingdom of Great Britain and Northern Ireland, Chair of GRVA, reported to WP.29 on the results achieved by GRVA during its second session (for more details see the report of the session ECE/TRANS/WP.29/GRVA/2).

68. WP.29 requested that a special session of GRVA be organized in May or June 2019 according to room availabilities. The secretariat had been informed that no meeting room was available in the Palais des Nations from the mid-May to the mid-July period. The expert from the European Union offered to host the meeting in Brussels. The secretariat mentioned that this would require the establishment of a Host Country Agreement. The expert from Germany informed that this process was cumbersome and not feasible to conclude within a few weeks. The representative of OICA also offered to host, if deemed desirable, an informal meeting (without interpretation) in their office in Paris. WP.29 requested the secretariat (i) to verify the information provided on the room availability in the Palais des Nations, then (ii) to explore the possibility to host a meeting in one of the UN agencies in Geneva (as it was done for the GRPE session in June 2014 at the World Trade Organization), then (iii) to

explore the possibility to host the meeting in one of the UN premises such as Bonn in Germany or New York City in the United States of America.³

69. WP.29 approved the proposed mandate extensions for the IWGs on Modular Vehicle Combination (MVC) and on Automatically Commanded Steering Function (ACSF) until February 2020, as well as for the Task Force on Cyber Security and Over-The-Air software updates until March 2020.

70. WP.29 noted the election of Mrs. C. Chen (China) and Mr. T. Onoda (Japan) as Vice-Chairpersons for the GRVA sessions in 2019.

VI. 1958 Agreement (agenda item 4)

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

71. The secretariat introduced the latest update of the status of the 1958 Agreement, ECE/TRANS/WP.29/343/Rev.27, that contains information up to 20 February 2019, available at www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29fdocstts.html. The secretary of the World Forum recalled the new layout of the document for the June and November 2019 sessions, in which only Part II and Annexes II and III will be updated, while Part I and Annex I will be available via the “343 app” (https://apps.unece.org/WP29_application/). He reminded Contracting Parties that changes and new information on national Type Approval Authorities should be introduced by the national Single Points of Contact (SPOC) via the “343 app”. Notifications received in paper will no longer be followed up by the secretariat, as previously agreed by WP.29.

72. WP.29 noted that contracting parties should notify the secretariat about any amendments needed to the status document via the new established online database only.

73. The secretariat also introduced the new IWVTA functionality of the “343 app” (WP.29-177-21) expected to be rolled out before the application date of UN Regulation No. 0. This tool is deemed to serve as the unique means of notifications as per its para. 13.5.

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, Global Technical Regulations and Rules (agenda item 4.2.1)

74. No information was provided under this agenda item.

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

75. No information was provided under this agenda item.

³ Note by the Secretariat: Confirmation of room received on the last day of 177th session of WP.29 (see para. 47 above).

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

76. The Chair of the IWG on IWVTA introduced the results of the groups twenty-ninth session, held on 8 March 2019, in Brussels, at the premises of the European Commission. He informed the World Forum that the IWG on IWVTA was working on Phase II of the IWVTA. He recalled that candidates of UN Regulations applicable to IWVTA Phase II were endorsed at the last WP.29 session for review by responsible GRs and that the responsible GRs were requested to report the outcome of their reviews to the IWG on IWVTA by June 2019. He urged GR Chairs that have not done so to submit their reports in time. The next IWG on IWVTA will be held in Paris on 21 June 2019, at OICA premises, to consider the result of the review by respective GRs. He thanked GR chairs and secretariats for the reviews already received and the European Commission for hosting the IWG March 2019 meeting.

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

Documentation: ECE/TRANS/WP.29/505/Rev.3
ECE/TRANS/WP.29/2018/165
ECE/TRANS/WP.29/2017/131/Add.1

77. The World Forum noted that ECE/TRANS/WP.29/2018/165, Proposal for amendments to Schedule 4 of the 1958 Agreement had remained on the agenda because not all Contracting Parties were in the position to take a vote on this matter during the November 2018, 176th session of the World Forum. WP.29 also noted that ECE/TRANS/WP.29/2017/131, Revision 3 of the 1958 Agreement – questions and answers, was revised based on WP.29-176-22, and issued as ECE/TRANS/WP.29/2017/131/Add.1, a working document for the current session, in order to secure translation of the additional questions and answers content contained in WP.29-176-22 into the official ECE languages.

78. The representative of the Russian Federation sought guidance from WP.29 concerning national administrative and organisational setups (mechanisms) such as a ‘Technical Secretariat’ for e.g. the electronic exchange of information required by Revision 3 of the 1958 Agreement, specifically the newly established electronic platforms, the “343 app” and DETA.

79. WP.29 acknowledged the request of the Russian Federation, recommending an amendment of the Revision 3 of the 1958 Agreement – questions and answers document to address this matter.

80. The Russian Federation volunteered to prepare draft amendments to the Revision 3 of the 1958 Agreement – questions and answers document and submit it to World Forum for consideration at an upcoming session.

81. The World Forum considered the draft amendment to Schedule 4 of the 1958 Agreement (ECE/TRANS/WP.29/2018/165) and recommended its submission to AC.1 for voting.

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

Documentation: Informal documents: WP.29-177-10, WP.29-177-11 and WP.29-177-12

82. The representative of Germany, Chair of the IWG on Database for Exchange of Type Approval documentation (DETA), presented a status report (WP.29-177-11) of the activities of the group. He introduced WP.29-177-10 with the report of the last session of the group. He informed WP.29 about the expected extensions of DETA functionality for the: Declaration of Conformance (DoC), Unique Identifier (UI) and later Software Identification Number (RxSWIN). He asked the secretariat about the current status of the DETA financing through ECE regular budget.

83. The Secretary of WP.29 informed delegates that the ECE Executive Committee (EXCOM) had adopted the ECE budget proposal including DETA. He informed delegates on the following steps for the adoption of the budget in the Advisory Committee on Administrative and Budgetary Questions (ACABQ), the Fifth Committee and the General Assembly. He recommended that the member States and contracting parties inform their representations in New York of their position on DETA.

84. WP.29 thanked Germany for hosting the current version of DETA, as well as OICA and CITA for commissioning the development of DoC and UI. WP.29 welcomed the announcement that CLEPA would contribute to the financing of UI, together with ETRTO and OICA.

85. The representative of Germany, Chair of the IWG on DETA, introduced WP.29-177-12 and informed WP.29 that the official start-up of DETA was envisaged for 18 March 2019.

86. WP.29 requested that all Type Approval Authorities (TAA) of the contracting parties to the 1958 Agreement start using DETA, as soon as possible.

87. WP.29 recalled that, according to Article 3, paragraph 2 of the revised 1958 Agreement, contracting parties applying UN Regulations shall, by mutual recognition, accept for the placement in their markets, and subject to the provisions of Articles 1, 8 and 12 as well as any special provisions within these UN Regulations, type approvals granted pursuant to these UN Regulations, without requiring any further testing, documentation, certification or marking concerning these type approvals and that DETA was intended to facilitate the access of those contracting parties to the type approval documentation.

88. WP.29 agreed that only contracting parties of the 1958 Agreement could nominate a single DETA focal point to liaise with the DETA administrator. WP.29 agreed to decide on the case-by-case basis on further access to DETA upon availability of the further information provided by the IWG on DETA.

89. WP.29 agreed that the WP.29 Heads of Delegation of the contracting parties were requested to notify the ECE secretariat with their DETA focal point.

90. WP.29 agreed that, as the access rights to DETA would be given only to Type Approval Authority (TAA) for the very first stage of DETA implementation, they shall have access to the document parts uploaded to DETA subject to the access rights provided in annex to the report.

91. WP.29 decided that the use of DETA shall be subject to the formal engagement of the user to keep the information confidential to respect intellectual property related to the DETA documents.

92. WP.29 decided to request that the DETA focal point of each contracting party manage the access and users accounts of the said contracting party: access to DETA would be provided by the DETA administrator to a single focal point of the contracting party.

93. WP.29 decided that the DETA focal point shall submit to the DETA administrator a list (and further updates) with the names and the city and country of establishment of the manufacturers, for which it granted type approvals to be uploaded to DETA.

94. WP.29 noted that the effectiveness of DETA would depend on the number of type approval documents it contains. Therefore WP.29 noted the importance of uploading to DETA not only currently issued communications on type approvals but also, on a voluntary basis, those issued before launching DETA. The representative of Germany announced that batch upload functionality would be made available by 2020.

94. WP.29 decided to specify that the communications on type approvals shall be uploaded to DETA as three or four separate pdf files: a communication on type approval ("CERT"), an information document ("IF"), a test report ("TR"), and additional documents ("OTHER") if appropriate, with the access rights specified in the table annexed to the report.

96. WP.29 noted that the uploading process was explained in the draft DETA manual.

97. The representative of OICA explained the importance of reviewing at a later stage the access rights, subject to agreement by WP.29, after proper discussion at the IWG on DETA on the extension of access rights reflecting all real-world needs related to Type Approvals of the industry, of all Contracting Parties and of other countries.

98. WP.29 decided on the detailed access rights as noted in annex V of this report. WP.29 would revisit the matter at its June 2019 session, if necessary.

99. WP.29 agreed with the extension by two years of the IWG on DETA mandate.

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

Documentation: ECE/TRANS/WP.29/2019/3
ECE/TRANS/WP.29/2019/4/Rev.1
ECE/TRANS/WP.29/2019/5
ECE/TRANS/WP.29/2019/6
ECE/TRANS/WP.29/2019/7

100. The World Forum considered the draft amendments under agenda items 4.6.1 to 4.6.3 and recommended their submission to AC.1 for voting.

101. The Chair of GRBP presented the draft amendment proposals in ECE/TRANS/WP.29/2019/6 and ECE/TRANS/WP.29/2019/7 under agenda items 4.6.4 and 4.6.5, to amend UN Regulations Nos. 9 and 92. The World Forum recommended their submission to AC.1 for voting.

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

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

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

Documentation: ECE/TRANS/WP.29/2019/8
ECE/TRANS/WP.29/2019/9
ECE/TRANS/WP.29/2019/10
ECE/TRANS/WP.29/2019/11
ECE/TRANS/WP.29/2019/12
ECE/TRANS/WP.29/2019/13
ECE/TRANS/WP.29/2019/14

ECE/TRANS/WP.29/2019/15

ECE/TRANS/WP.29/2019/16

103. The World Forum considered the draft amendments under agenda items 4.8.1 to 4.8.8 and recommended their submission to AC.1 for voting, subject to the following corrections:

104. For agenda item 4.8.6, document ECE/TRANS/WP.29/2019/13, para. 6.12, the last sentence “Manufacturers are advised Appendix H to this annex.” shall be deleted.

105. The Chair of GRSG presented the amendment proposal in ECE/TRANS/WP.29/2019/16 under agenda item 4.8.9, to amend UN Regulation No. 110 with the following correction in annex 1A, add: “*Items 1.2.4.5.15.4. to 1.2.4.5.15.6., shall be deleted.*”. 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.29/2019/17
ECE/TRANS/WP.29/2019/18
ECE/TRANS/WP.29/2019/19
ECE/TRANS/WP.29/2019/20

106. The World Forum considered the draft amendments under items 4.9.1 to 4.9.3 and recommended their submission to AC.1 for voting, subject to the below corrigenda.

107. For agenda item 4.9.1, document ECE/TRANS/WP.29/2019/17, the correct title shall read: “Proposal for Supplement 2 to the 02 series of amendments to UN Regulation No. 53 (Installation of lighting and light-signalling devices for L3 vehicles)”.

108. For agenda item 4.9.2, document ECE/TRANS/WP.29/2019/18, the correct title shall read: “Proposal for Supplement 20 to the 01 series of amendments to UN Regulation No. 53 (Installation of lighting and light-signalling devices for L3 vehicles)”.

109. The Chair of GRE presented amendment proposal contained in ECE/TRANS/WP.29/2019/20 under agenda item 4.9.4, to amend UN Regulation No. 10. The World Forum recommended their submission to AC.1 for voting.

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

Documentation: ECE/TRANS/WP.29/2019/21
ECE/TRANS/WP.29/2019/22
ECE/TRANS/WP.29/2019/23
ECE/TRANS/WP.29/2019/24
ECE/TRANS/WP.29/2019/25
ECE/TRANS/WP.29/2019/26
ECE/TRANS/WP.29/2019/27

110. The World Forum considered the draft corrigenda under items 4.10.1 to 4.10.7 and recommended their 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 (agenda item 4.11)

Documentation: ECE/TRANS/WP.29/2018/82
 ECE/TRANS/WP.29/2018/86/Rev.1
 ECE/TRANS/WP.29/2018/87/Rev.1
 ECE/TRANS/WP.29/2018/91/Rev.1
 ECE/TRANS/WP.29/2018/92/Rev.1
 ECE/TRANS/WP.29/2018/93/Rev.1
 ECE/TRANS/WP.29/2018/94/Rev.1
 ECE/TRANS/WP.29/2018/95/Rev.1
 ECE/TRANS/WP.29/2018/96/Rev.1
 ECE/TRANS/WP.29/2018/97/Rev.1
 ECE/TRANS/WP.29/2018/98/Rev.1
 ECE/TRANS/WP.29/2018/99/Rev.2
 ECE/TRANS/WP.29/2018/100/Rev.1
 ECE/TRANS/WP.29/2018/101
 ECE/TRANS/WP.29/2018/102
 ECE/TRANS/WP.29/2018/103/Rev.1
 ECE/TRANS/WP.29/2018/104/Rev.1
 ECE/TRANS/WP.29/2018/105
 ECE/TRANS/WP.29/2018/106/Rev.1
 ECE/TRANS/WP.29/2018/107/Rev.1
 ECE/TRANS/WP.29/2018/108/Rev.2
 ECE/TRANS/WP.29/2018/109/Rev.1
 ECE/TRANS/WP.29/2018/110/Rev.1
 ECE/TRANS/WP.29/2018/111
 ECE/TRANS/WP.29/2018/112/Rev.1
 ECE/TRANS/WP.29/2018/113/Rev.1
 ECE/TRANS/WP.29/2018/114/Rev.1
 ECE/TRANS/WP.29/2018/115/Rev.1
 ECE/TRANS/WP.29/2018/116/Rev.1
 ECE/TRANS/WP.29/2018/117/Rev.1
 ECE/TRANS/WP.29/2018/118/Rev.1
 ECE/TRANS/WP.29/2018/119/Rev.1
 Informal document: WP.29-177-07

111. The World Forum considered the draft amendments under items 4.11.1 to 4.11.3 and recommended their submission to AC.1 for voting.

112. The Chair of GRE presented amendment proposal contained in ECE/TRANS/WP.29/2018/91/Rev.1 to ECE/TRANS/WP.29/2018/119/Rev.1, under agenda items 4.11.4 to 4.11.32, to amend UN Regulations Nos. 3, 4, 6, 7, 19, 23, 27, 38, 48, 50, 53, 69, 70, 74, 77, 86, 87, 91, 98, 104, 112, 113, 119 and 123. WP.29 noted that these proposals had been the result of intensive work of GRE and its IWG on Simplification of Lighting and Light-Signalling Regulations, as well as that further intensive work by the groups was expected towards finalizing the process of simplification of the relevant UN Regulations. The World Forum recommended their submission to AC.1 for voting, subject to the following modification to ECE/TRANS/WP.29/2018/105 (Proposal for Supplement 20 to the 01 series of amendments to UN Regulation No. 53), agenda item 4.11.18:

Paragraph 6.2.1.2. (a), replace “Class D or E of UN Regulation No. 113” by “Class B, D or E of UN Regulation No. 113”.

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

Documentation: ECE/TRANS/WP.29/2019/28
ECE/TRANS/WP.29/2018/157
ECE/TRANS/WP.29/2018/158/Rev.1
ECE/TRANS/WP.29/2018/159/Rev.1

113. The World Forum considered the proposals for new UN Regulations on uniform provisions concerning the approval of motor vehicles on Blind Spot Information Systems for the Detection of Bicycles, on Light Signalling Devices (LSD), on Road Illumination Devices (RID) and on Retro-Reflective Devices (RRD) under items 4.12.1 to 4.12.4. The World Forum considered the proposals and recommended their submission to AC.1 for voting.

M. Proposals for amendments to the Consolidated Resolution on the Construction of Vehicles (R.E.3) submitted by the Working Parties to the World Forum for consideration (agenda item 4.13)

114. WP. 29 noted that no document had been submitted under this 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.29/2019/29

115. The World Forum adopted the proposal and noted that it constitutes a package and should enter into force on the same date with draft Supplement 9 to the original version of UN Regulation No. 128 (LED light sources) (ECE/TRANS/WP.29/2019/19, agenda item 4.9.3).

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

116. WP. 29 noted that no document had been submitted under this 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.24
Informal document: WP.29-177-02

117. The World Forum agreed that agenda items 5.2 to 5.5 should be considered in detail by the Executive Committee of the 1998 Agreement (AC.3).

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

118. 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.29-177-06, WP.29-177-15 and WP.29-177-16

A. Status of the Agreement (agenda item 7.1)

Documentation: ECE/TRANS/WP.29/1074/Rev.12

119. WP.29 noted the consolidated document (ECE/TRANS/WP.29/1074/Rev.12) on the status of the agreement, including the status of the UN Rules annexed to the agreement, the list of the Contracting Parties (CP) to the agreement and of their administrative departments.

120. The CPs were reminded to notify the secretariat of any relevant update.

B. Amendments to the 1997 Agreement (agenda item 7.2)

Documentation: ECE/TRANS/WP.29/2017/92/Rev.1

121. The secretariat informed WP.29 about the notification of the Office of Legal Affairs on the proposal for amendments to the 1997 Agreement submitted by the Russian Federation based on ECE/TRANS/WP.29/2017/92/Rev.1 containing the text previously agreed by WP.29.

122. The representative of the Russian Federation, Co-Chair of IWG on Periodical Technical Inspections (PTI), presented to the World Forum the results of the thirteenth meeting of the group. He introduced the draft work plan for the working items included in the Terms of Reference of the group, the expected deliverables and feasible timelines. He reported on the consideration of his group for the coordination of its work with the calendars of the GRs. He introduced WP.29-177-15. The World Forum approved the updated working plan.

123. The Co-Chair of IWG on PTI stated that the group discussed how to coordinate the work with the GRs and how to avoid overlapping work. He suggested that the GRs propose topics on the matter of in-service compliance to the IWG on PTI, that would serve as a platform. He added that it would allow the proper management and preparation of general solutions with the participation of experts on in-service compliance. He proposed that the existing title of the group could be modified to IWG on in-service compliance of vehicles and their components.

124. He proposed that IWG on PTI, in cooperation with the GRs, work out the approach for development of the corresponding requirements for the performance of systems and components and assessment methods, which can be prescribed within either UN Regulations or the UN Rules.

125. He reported that the group had supported the proposal of GRPE and CITA to draft precise proposals to make the design of vehicles more difficult for tampering.

126. He informed that the group had assessed the feasibility of including a Particulate Number (PN) measurement method in UN Rule 1. He noted that the group was monitoring the development of the NO_x measurement methods suitable for PTI. He reported on the presentation of the expert from the International Standard Organization (ISO) on electronic-PTI (ePTI).

127. The representative of OICA questioned the use of the term "in service compliance" in a context where the object of compliance is not defined.

128. The representative of CITA agreed that PTI tests were not aimed at mimicking type approval tests and that the object for compliance would need to be further defined by IWG.

129. The representative of Sweden welcomed the work performed by IWG on PTI and also supported the development of PTI relevant provisions under the 1958 Agreement which are consistent with the provisions of the 1997 Agreement. He highlighted the current challenge of identifying what the vehicle should self-monitor to insure continuous roadworthiness.

130. The representative of the Netherlands, Chair of GRPE, referred to the presentation made by CITA at the January 2019 session of GRPE (ECE/TRANS/WP.29/GRPE/78, paras. 26 to 29) and highlighted that GRPE welcomed the diagnosis presented by the experts from CITA and the need to address the issue of vehicle tampering. He reaffirmed the importance for GRPE to liaise with PTI experts to address this issue.

131. The representative of UK, Chair of GRVA, reported on the considerations of IWG on Automatically Commanded Steering Function with regards to sensor deterioration suggesting the need for durability requirements. He stated that the roadworthiness needed to be ensured continuously, not only during PTI tests. In this respect, the representative of CITA suggested to review WP.29-177-16.

132. The Co-Chair of IWG on PTI, introduced WP.29-177-16, and explained the proposal of the group for a safety assurance framework, based on a risk-analysis approach, which would have to be developed for each relevant system in the vehicle. He added that it would consist of assessing the possibilities of non-compliance and their impacts. The method was deemed appropriate for anticipating both the development of Type Approval provision and roadworthiness provisions for vehicles in-service. The World Forum noted the approach proposed and agreed to be informed about further developments of the proposals at its June 2019 session.

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

133. No proposals for new UN Rules were submitted under this agenda item.

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

134. No proposals for amendments or updates to UN Rules Nos. 1 and 2 were submitted under this agenda item.

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

135. No proposals new were submitted under this agenda item.

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)

136. No elements were raised under this agenda item.

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

137. WP.29 noted that no matters were raised under this agenda item other than the information in para. 51 above.

C. Documents for publication (agenda item 8.3)

Documentation: ECE/TRANS/WP.29/2019/30
ECE/TRANS/289
Informal document: WP.29-177-09

138. The secretariat informed WP.29 that the English language version of the fourth edition of the “Blue Book” ECE/TRANS/289 had been published. WP.29 welcomed the distribution of the publication and noted that the translation of the publication into the other official UN languages was still in process, that French and Russian language versions were expected to be available during the 178th session of WP.29 in June 2019, while the Arabic, Chinese and Spanish language versions were expected to be available during the 179th session of WP.29 in November 2019.

139. The Secretary of WP.29 presented informal document WP.29-177-09, the List of Adopted Proposals at the November 2018, 176th session of WP.29 and their entry into force, recalling that AC.1 had adopted at the time 38 amendments and five corrigenda to UN Regulations under the 1958 Agreement, that the corrigenda had already entered into force while the amendments would enter into force on 28 May 2019, following the delivery of notifications.

140. WP.29 was informed that document ECE/TRANS/WP.29/2019/30 contains a road map for accession of the 1998 Agreement which had been presented at its 176th session.

D. Tributes

141. It was brought to the attention of the World Forum that Mr. B. Gottselig (OICA) would no longer attend WP.29 sessions. WP.29 thanked him for his long-lasting cooperation and his highly valuable contributions to the success of the World Forum during his years of participation. WP.29 wished him a long and happy retirement.

XI. Adoption of the report (agenda item 9)

142. The World Forum adopted the report on its 177th session and its annexes based on a draft prepared by the secretariat. The report included sections related to the seventy-first session of the Administrative Committee (AC.1) of the 1958 Agreement, to the fifty-fifth session of the Executive Committee (AC.3) of the 1998 Agreement. The session of the Administrative Committee (AC.4) of the 1997 Agreement was not held.

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

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

143. Of the 56 contracting parties to the agreement, 38 were represented and established AC.1 for its seventy-first session on 13 March 2019.

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

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

145. AC.1 established by unanimous vote the draft amendment to Schedule 4 of the 1958 Agreement (ECE/TRANS/WP.29/2018/165). The secretariat was requested to notify the amendment to Schedule 4 to the Secretary-General.

146. The results of the voting on the documents submitted by the subsidiary Working Parties are listed in the following tables, according to the rules of procedure of article 12 and the appendix of Revision 3 to the 1958 Agreement:

<i>Amendments to existing UN Regulations</i>							
<i>UN Regulation No.</i>	<i>Subject of the UN 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 UN Regulation</i>	<i>represented and voting</i>				
0	International Whole Vehicle Type Approval (IWVTA)	54	38	2018/82	38/0/0	01 series	*
3	Retro-reflecting devices	50	37	2018/91/Rev.1	37/0/0	03 series	*
4	Illumination of rear registration plates	49	36	2018/92/Rev.1	36/0/0	01 series	*
6	Direction indicators	50	37	2018/93/Rev.1	37/0/0	02 series	*
7	Position, stop and end-outline lamps	50	37	2018/94/Rev.1	37/0/0	03 series	*
9	Noise of three-wheeled vehicles	29	17	2019/6	17/0/0	08 series	

<i>Amendments to existing UN Regulations</i>							
<i>UN Regulation No.</i>	<i>Subject of the UN 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 UN Regulation</i>	<i>represented and voting</i>				
10	Electromagnetic compatibility	47	35	2019/20	35/0/0	06 series	*
19	Front fog lamps	48	35	2018/95/Rev.1	35/0/0	05 series	*
23	Reversing lamps	50	37	2018/96/Rev.1	37/0/0	01 series	*
27	Advanced warning triangles	46	37	2018/97/Rev.1	37/0/0	05 series	*
38	Rear fog lamps	49	37	2018/98/Rev.1	37/0/0	01 series	*
41	Noise emissions of motorcycles	47	35	2019/3	35/0/0	Suppl.7 to 04	*
48	Installation of lighting and light-signalling devices	47	35	2018/99/Rev.2	35/0/0	Suppl.12 to 06	*
48	Installation of lighting and light-signalling devices	47	35	2018/100/Rev.1	35/0/0	Suppl.13 to 05	*
48	Installation of lighting and light-signalling devices	47	35	2018/101	35/0/0	Suppl.18 to 04	*
48	Installation of lighting and light-signalling devices	47	35	2018/102	35/0/0	Suppl.6 to 03	*
50	Position, stop, direction indicator lamps for mopeds and motorcycles	49	37	2018/103/Rev.1	37/0/0	01 series	*
51	Noise of M and N category vehicles	47	35	2019/4/Rev.1	35/0/0	Suppl.5 to 03	*
53	Installation of lighting and light-signalling devices for L ₃ vehicles	46	34	2019/17 as amended by para. 107 above 2018/86/Rev.1 and 2018/104/Rev.1	34/0/0	Suppl.2 to 02	*
53	Installation of lighting and light-signalling devices for L ₃ vehicles	46	34	2019/18 as amended by para. 108 above 2018/87/Rev.1 and 2018/105 as amended by para. 112 above	34/0/0	Suppl.20 to 01	*
62	Anti-theft for mopeds/motorcycles	42	33	2019/8	33/0/0	Suppl.3 to 00	*
67	LPG Vehicles	44	32	2019/9	32/0/0	Suppl.16 to 01	*
67	LPG Vehicles	44	32	2019/10	32/0/0	Suppl.1 to 02	*

<i>Amendments to existing UN Regulations</i>							
<i>UN Regulation No.</i>	<i>Subject of the UN 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 UN Regulation</i>	<i>represented and voting</i>				
69	Rear-marking plates for slow moving vehicles	46	34	2018/106/Rev.1	34/0/0	02 series	*
70	Rear-marking plates for heavy and long vehicles	47	35	2018/107/Rev.1	35/0/0	02 series	*
73	Lateral protection devices	45	33	2019/11	33/0/0	Suppl.2 to 01	*
74	Installation of lighting and light-signalling devices for mopeds	45	33	2018/108/Rev.2	33/0/0	Suppl.11 to 01	*
77	Parking lamps	46	35	2018/109/Rev.1	35/0/0	01 series	*
86	Installation of lighting and light-signalling devices for agricultural vehicles	42	32	2018/110/Rev.1	32/0/0	Suppl.1 to 01	*
86	Installation of lighting and light-signalling devices for agricultural vehicles	42	32	2018/111	32/0/0	Suppl.7 to 00	*
87	Daytime running lamps	44	34	2018/112/Rev.1	34/0/0	01 series	*
91	Side marker lamps	46	36	2018/113/Rev.1	36/0/0	01 series	*
92	Replacement of exhaust silencing systems for motorcycles	25	15	2019/7	15/0/0	02 series	
98	Headlamps with gas-discharge light sources	47	36	2018/114/Rev.1	36/0/0	02 series	*
104	Retro-reflective markings	51	36	2018/115/Rev.1	36/0/0	01 series	*
106	Tyres for agricultural vehicles and their trailers	49	34	2019/5	34/0/0	Suppl.17 to 00	*
107	M2 and M3 vehicles	49	34	2019/12	34/0/0	Suppl.1 to 08	*
110	CNG and LNG vehicles	51	36	2019/13 as amended by para. 104 above	36/0/0	Suppl.2 to 03	*
110	CNG and LNG vehicles	50	36	2019/16 as amended by para. 105 above	36/0/0	04 series	*
112	Headlamps emitting an asymmetrical passing-beam	52	37	2018/116/Rev.1	37/0/0	02 series	*
113	Headlamps emitting a symmetrical passing-beam	52	37	2018/117/Rev.1	37/0/0	03 series	*

<i>Amendments to existing UN Regulations</i>							
<i>UN Regulation No.</i>	<i>Subject of the UN 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 UN Regulation</i>	<i>represented and voting</i>				
116	Anti-theft and alarm systems	52	36	2019/14	36/0/0	Suppl.6 to 00	*
119	Cornering lamps	52	36	2018/118/Rev.1	36/0/0	02 series	*
122	Heating systems	52	36	2019/15	36/0/0	Suppl.5 to 00	*
123	Adaptive front lighting (AFS)	52	37	2018/119/Rev.1	37/0/0	02 series	*
128	LED light sources	55	38	2019/19	38/0/0	Suppl.9 to 00	*

<i>Corrigenda to existing UN Regulations</i>							
<i>UN Regulation No.</i>	<i>Subject of the UN 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 UN Regulation</i>	<i>represented and voting</i>				
55	Mechanical couplings	45	33	2019/21	33/0/0	Corr.1 to Rev.2	*
58	Rear underrun protection	47	35	2019/22	35/0/0	Corr.1 to Rev.3	*
107	M2 and M3 vehicles	49	34	2019/23	34/0/0	Corr.2 to Rev.4	*
107	M2 and M3 vehicles	49	34	2019/24	34/0/0	Corr.2 to Rev.5	*
107	M2 and M3 vehicles	49	34	2019/25	34/0/0	Corr.3 to Rev.6	*
107	M2 and M3 vehicles	49	34	2019/26	34/0/0	Corr.2 to Rev.7	*
107	M2 and M3 vehicles	49	34	2019/27	34/0/0	Corr.1 to Rev.8	*

<i>New UN Regulations</i>					
<i>UN Regulation No.</i>	<i>Subject of the UN Regulation</i>	<i>Contracting Parties represented and voting</i>	<i>Document: ECE/TRANS/WP.29/...</i>	<i>Voting result: for/against/abstentions</i>	<i>Remark</i>
[148]	Light Signalling Devices (LSD)	38	2018/157	38/0/0	*
[149]	Road Illumination Devices (RID)	38	2018/158/Rev.1	38/0/0	*
[150]	Retro-Reflective Devices (RRD)	38	2018/159/Rev.1	38/0/0	*
[151]	Uniform provision concerning the approval of motor vehicles with regard to Blind Spot Information System for the Detection of Bicycles	38	2019/28	38/0/0	*

* The representative of the European Union voted for the 28 European Union member States.

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

XIV. Establishment of the Executive Committee AC.3 and election of officers for the year 2019 (agenda item 12)

Documentation: Informal document: WP.29-177-03

147. The fifty-fifth session of the Executive Committee (AC.3) was held on 13 and 14 March 2019 and chaired by the representative of the United States of America. The representatives of 16 of the 38 contracting parties to the agreement attended: Australia, Belarus, Canada, China, the European Union (representing Cyprus, Finland, France, Germany, Hungary, Italy, Lithuania, Luxembourg, the Netherlands, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom), India, Japan, Kazakhstan, Malaysia, Norway, the Republic of Korea, the Republic of Moldova, the Russian Federation, San Marino, South Africa, Turkey, and the United States of America.

148. The AC.3 unanimously elected Mr. EZANA Wondimneh, United States of America, as Chair.

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

Documentation: ECE/TRANS/WP.29/1073/Rev.24
Informal document: WP.29-177-02

149. AC.3 noted the information, as of 26 February 2019, on the status of the Agreement of the Global Registry and of the Compendium of Candidates (ECE/TRANS/WP.29/1073/Rev.24), the status of the priorities of the 1998 Agreement

(based on WP.29-177-02 as reproduced in Annex IV to this report) and items on which the exchange of views should continue. AC.3 noted that notifications and the mandatory reports on the transposition process through their Permanent Missions in Geneva to the secretariat, are publicly accessible at: <https://wiki.unece.org/display/TRAN/Home>. AC.3 recalled its agreement to always send the above-mentioned reports and notifications through their Permanent Missions in Geneva and directly to the secretariat (email: edoardo.gianotti@un.org) to ensure updating of the status document, which is the monitoring tool of the agreement. AC.3 reiterated its request to its representatives to provide the secretariat with the coordinates of their corresponding focal points to the agreement, appointed in their capitals to draft the reports and notifications to keep them informed in the exchange of information through the above-mentioned website.

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

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

150. No new proposals for were submitted under this agenda item.

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

151. No new proposals for were submitted under this agenda item.

C. Proposal for amendments to the Mutual Resolution of the 1958 and the 1998 Agreements, if any (agenda item 14.3)

152. No new proposals for were submitted under this agenda item.

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

153. No documents were submitted for consideration and vote under this agenda item.

154. The Chair of AC.3 reminded contracting parties that previous submissions of candidate technical regulation submitted to the Compendium of Candidates for UN GTRs expire every 5 years. Contracting parties were therefore invited to resubmit candidate technical regulations that were due to expire, if they were to be maintained in the Compendium of Candidates. The Chair encouraged contracting parties to submit national regulations that they had considered as good candidate technical regulations to the Compendium of Candidates for UN GTRs.

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

155. Contracting parties did not, at the time, request additional guidance under this agenda item, beyond the discussions that had taken place under agenda item 18.

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

Documentation: ECE/TRANS/WP.29/2019/2
ECE/TRANS/WP.29/2019/31
Informal documents: WP.29-177-08 and WP.29-177-19

156. The Chair of AC.3 introduced the documents that were considered under this agenda item. AC.3 considered ECE/TRANS/WP.29/2019/31, aimed at providing an updated overview of the priorities of the Programme of Work of the development of UN GTRs or amendments to the existing ones. AC.3 referred to the discussions on document ECE/TRANS/WP.29/2019/2 under agenda item 2.3.

157. The Chair of AC.3 proposed that agenda item 17 could be divided into two items: 17.1 on the conventional priority topics in the programme of work of the 1998 Agreement, and 17.2. on priority topics in the programme of work of the 1998 Agreement concerning automated and connected vehicles for consideration.

158. Discussion was inconclusive, and the Chair of AC.3 proposed to prepare and submit an informal document to the fifty-sixth session detailing the proposed changes to the agenda. AC.3 accepted this proposal and deferred continuation of discussions on the matter to the subsequent AC.3 session in June 2019.

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

A. UN GTR No. 2 (Worldwide Motorcycle emission Test Cycle (WMTC)) (agenda item 18.1)

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

159. The representative of the European Union, as technical sponsor for these activities, informed WP.29 about the status of work of IWG on Environmental and Propulsion Performance Requirements (EPPR). He reported that the official proposal for Amendment 4 to UN GTR No. 2 would be submitted for consideration at the May 2019 session of GRPE.

160. He noted that activities of IWG on EPPR had focused on a new amendment to UN GTR No. 18, which developed OBD2 provisions for L category vehicles. He finally confirmed that IWG on EPPR would consider future activities on propulsion unit performance (i.e. the durability of pollution control devices) once other priority activities had been finalized.

B. UN GTR No. 3 (Motorcycle braking) (agenda item 18.2)

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

161. The representative of Italy reported 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 recalled the purpose of the amendment in development, and reported on the discussion, at the second session of GRVA, of their formal document. He mentioned the comments received by the representatives of Canada and the Netherlands. He mentioned the progress on the wording concerning the defeat device prohibition. He announced that a new document would be produced for review by GRVA at its September 2019 session.

162. AC.3 agreed with the proposed mandate extension until March 2020.

C. UN GTR No. 6 (Safety glazing) (agenda item 18.3)

Documentation: ECE/TRANS/WP.29/AC.3/41
ECE/TRANS/WP.29/AC.3/52
ECE/TRANS/WP.29/2018/167

163. The representative of the Republic of Korea reported on the progress of work of the IWG on Panoramic Sunroof Glazing (PSG) in developing an amendment to UN GTR No. 6. He informed AC.3 that the next IWG meeting would be held before the upcoming face-to-face meeting during the next GRSG meeting in Geneva. He stated that discussions would be held on draft recommendations on ceramic printed areas when panoramic sun roofs were installed in vehicles. He stated that the group would share recent information on the status of dimensions of the ceramic printed area with seventeen manufacturer's existing models in Europe. The draft recommendations would be discussed at the next IWG meetings. The IWG was expected to present the draft recommendations to the 116th GRSG session in April 2019.

164. The representative of India recalled that, based on ECE/TRANS/WP.29/AC.3/52, the authorization to amend UN GTR No. 6 on safety glazing and the optional use of laminated-glass panes with improved mechanical properties especially for front, exterior, forward-facing glazing of the upper deck of a double-deck vehicle, had been granted at the previous session of AC.3. An official document proposing to amend UN GTR No. 6 would be submitted to the upcoming GRSG session.

D. UN GTR No. 7 (Head restraints) (agenda item 18.4)

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

165. The representative of Japan, as technical sponsor for these activities, reported on the progress of work of the IWG on Phase 2 of UN GTR No.7 on head restraints. He stated that Chair of the IWG had informed AC.3 of his intention to restart activity at the 2018 June session of WP.29. He recalled that working document on GTR No.7 phase 2 activity had been submitted to the last GRSP session in December 2018. He further noted that informal document containing a proposal to remove the square brackets that remained in that working document had been jointly prepared by Germany, the Netherlands and Japan. The

representative if Japan explained that, in parallel, a proposal to amend UN Regulation No.17 in line with GTR No.7, Phase 2 had been jointly prepared by Japan and the European Commission. CLEPA had also submitted their proposals for injury criteria and the static test method. He added that GRSP had discussed the remaining items and had decided to continue discussing these points in the IWG until the next GRSP session in May 2019.

166. The representative of Japan highlighted that a working document for the next GRSP in May 2019, which took CLEPA comments into consideration, had already been prepared, retaining the square brackets on the injury criteria intended for discussion at the IWG. The IWG, at its next meeting, would prepare another informal document containing a proposal for injury criteria supported by the group and would remove the square brackets that remained in the working documents that had been prepared for the next GRSP.

E. UN GTR No. 9 (Pedestrian safety) (agenda item 18.5)

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

167. The representative of the Republic of Korea reported on the progress that the IWG on Deployable Pedestrian Protection Systems (IWG-DPPS) had achieved in design provisions covering active deployable systems in the bonnet area (Amendment 4 to the UN GTR). The IWG had held three meetings since its first meeting in April 2018, during which the IWG members had discussed over 25 items and had reached agreement on many, while some remained pending agreement. The IWG would hold its next meeting in November 2019.

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

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

168. The representative from the United States of America on behalf of the sponsors (Japan, the Republic of Korea and the European Union) of the IWG on UN GTR No. 13 - Phase 2, reported to AC.3 on the last IWG meeting (5 to 7 March 2019) in Vancouver, Canada. She stated that more than sixty participants from contracting parties, industry, standardizations organizations and academia attended the meeting. She noted that the focus had mainly been on technical items for Phase 2, requirements for heavy duty vehicles and buses, material compatibility, tank stress rupture, fire test parameters and clarification of test existing procedures of the Phase 1 of the UN GTR. She added that there were five IWG task forces on specific technical items: (i) heavy duty vehicles and buses, that address inter alia roll-over (ii) fuelling receptacle requirements, that is preparing a draft proposal on requirements which are based on the geometry requirements for different refuelling pressures (iii) recommendations for test procedures, (aimed to complete its work by the next IWG meeting) (iv) fire test related work, within which Japan was conducting a series of test requirements to determine the test parameters (work is to be completed by the end of 2019) and (v) recommendations from ISO TC 197 and whether to include the rational section into technical information. She explained that the materials from the meeting had been in preparation, that progress was satisfactory, and the work was expected to be finished by the end of 2020. She informed AC.3 that the next meeting of the group had been scheduled for June 2019 in China.

G. UN GTR No. 15 (Worldwide harmonized Light vehicle Test Procedures (WLTP) – Phase 2) (agenda item 18.7)

Documentation: ECE/TRANS/WP.29/AC.3/39
ECE/TRANS/WP.29/2016/29
ECE/TRANS/WP.29/2016/73
ECE/TRANS/WP.29/AC.3/44

169. The representative of the European Union, as technical sponsor, informed AC.3 that Amendment 5 to UN GTR No. 15 and Amendment 2 to UN GTR No. 19 had been endorsed by GRPE during their last session in January 2019. They would be submitted for approval at the June 2019 session of WP.29. He highlighted that the work on the transposition of UN GTR No. 15 into a UN Regulation focused on determining harmonized provisions that would be subject to mutual recognition, called Level 2.

170. He added that IWG on WLTP was not actively developing provisions for conformity of production, low temperature test and cycle/ gear shift/ Drive Trace Indices (DTI), that would also contribute to developing the UN Regulation on WLTP.

171. The representative of the Netherlands, Chair of GRPE, mentioned that the standalone UN GTR on the Determination of Electrified Vehicle Power (DEVP) had been moved to agenda item 18.12 as the new UN GTR was expected to be developed under the supervision of the IWG on Electric Vehicle and the Environment (EVE) with close collaboration of the IWG on WLTP.

H. UN GTR No. 16 (Tyres) (agenda item 18.8)

Documentation: ECE/TRANS/WP.29/AC.3/48
ECE/TRANS/WP.29/2018/32

172. The representative of the Russian Federation, on behalf of the Chair of IWG on Tyre GTR, recalled the IWG activities on Amendment 2 to UN GTR No. 16 (Tyres), and reported on the results of the recent meetings held in Geneva (21-22 January 2019) and Brussels (4-5 March 2019). He thanked the experts from Canada, China, Japan, the United States of America and the tyre industry for participating. He encouraged other contracting parties to take part in the activities of IWG on Tyre GTR, in particular, at its next session in Munich (8-9 May 2019). He informed AC.3 that IWG on Tyre GTR continued work on the text of Amendment 2, its technical justification and technical report, which would be adapted both to the type approval and self-certification systems, with the aim to present a complete package to the September 2019 session of GRBP. He further recalled that AC.3, at its previous session, supported informal document WP.29-176-15 with an addendum to the authorization to develop Amendment No. 2 to UN GTR No. 16 to reflect the transfer of tyre-related activities from the former GRRF to GRBP, and pointed out that this addendum had officially been submitted to AC.3 for adoption as ECE/TRANS/WP.29/2019/32. AC.3 adopted this document.

I. UN GTR No. 20 on Electric Vehicles Safety (EVS) (agenda item 18.9)

Documentation: ECE/TRANS/WP.29/2017/143
ECE/TRANS/WP.29/AC.3/50 and Corr.1

173. The representative of the European Union, on behalf of the Chair of IWG on EVS, UN GTR No. 20, Phase 2 and of GRSP, informed AC.3 on the work progress of the group. He said that IWG had met in Detroit, United States of America, from 23 to 24 January 2019,

had been chaired by the representative of the European Union, and had discussed topics such as thermal propagation, water immersion, toxicity and gas management, as well as 3-D vibration. IWG also conducts research on thermal propagation and toxicity to identify the most appropriate initiation methods for thermal propagation and methods for detection of gases. He stated that results had been shared during the IWG meeting, in particular, thermal propagation and that discussions continued on the basis of a white paper on thermal propagation that guides contracting parties on activities to detect appropriate methods. He explained that other main item of discussion concerned field incident data. He stated that other important topics that were still in discussion, included water immersion and vibration of the battery system. IWG members had agreed to continue discussions the next meeting in June 2019 in Tokyo, Japan. He concluded that IWG was on target to complete its work by the expiration of its mandate in 2021.

J. Draft UN GTR on Quiet Road Transport Vehicles (QRTV) (agenda item 18.10)

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

174. The representative of the United States of America, on behalf of the Chair of IWG on Quiet Road Transport Vehicle GTR (QRTV GTR), informed AC.3 that no new meetings of IWG were planned, pending consideration of several petitions to the Federal Motor Vehicle Safety Standard (FMVSS) on Minimum Sound Requirements for Hybrid and Electric Vehicles. The IWG QRTV GTR would then, resume its activities with the aim to complete its accomplishments by the end of its mandate in December 2020.

K. Draft UN GTR on Global Real Driving Emissions (GRDE) (agenda item 18.11)

Documentation: ECE/TRANS/WP.29/AC.3/51
ECE/TRANS/WP.29/2018/80
ECE/TRANS/WP.29/1139

175. The representative of the European Union, as technical sponsor, informed the Committee about the last meeting that in January 2019, that took place in conjunction with the seventy-eighth session of GRPE. He mentioned that the work continued on creating global provisions, so that UN GTR could be applied in and by any contracting party. He noted that data was collected so as to deliver a UN GTR by June 2020, according to the revised timeline endorsed during the last session of GRPE in January 2019.

176. The representative of the Netherlands, Chair of GRPE, added that the next meeting of the IWG on RDE would take place in April 2019 in Tokyo, and that the activities were developed according to schedule, and in line with the terms of reference of the IWG, as endorsed by GRPE at their January 2019 session. The Chair of GRPE requested the secretariat to prepare an update of the authorization to develop the UN GTR on RDE to reflect the new timeline for approval at the June 2019 session of WP.29. AC.3 endorsed the mandate for the IWG on RDE until November 2021, in accordance with the revised timeline.

L. Electric vehicles and the environment (agenda item 18.12)

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.29/2019/33

177. The representative of Canada provided an update on the latest activities of the Electric Vehicles and Environment (EVE) IWG on behalf of the EVE leadership. He noted that the IWG on EVE had met on two occasions since the last WP.29 session. The first meeting (January 2019, Geneva) included a separate half-day discussion on the validation-testing programme for the subgroup on system power determination. He recalled that the EVE IWG held a teleconference on 13 February 2019 as a follow-up to the Geneva meeting. He noted that EVE continues to progress on its assigned areas of work.

178. The representative of Canada stated that the group had developed a first draft of the GTR on Determination of Electrified Vehicle Power and had conducted the first round of validation testing. He explained that the IWG on EVE identified some discrepancies between the results from the two test procedures that determine system power and that it would discuss solutions to address those discrepancies at its meeting in April 2019, when it would also determine the extent of time required for moving forward. He noted that the IWG on EVE planned to discuss the potential need for an extension at the upcoming GRPE meeting in May 2019.

179. The representative of Canada recalled that efforts to model Electric Vehicle (EV) durability are led by the European Union Joint Research Centre (JRC) and validated using long-term EV testing results from Canada. EVE members continued to discuss how to proceed with in-vehicle battery durability. He explained that some members expressed that the technologies are still new and that it may be better to continue research for some time and potentially address durability in a future UN GTR, while others expressed alternative approaches to addressing in-vehicle battery durability, including non-UN GTR approaches such as a warranty requirement and/or labelling.

180. The representative of the European Union supported the development of specifications for the terms of reference on the power determination of hybrids, which, he stated, would result in a minor delay to the submission of the UN GTR. In terms of battery durability, he stated that the European Union would continue to support the objective of establishing a UN GTR, which should also be viewed in the context of the European Union's work on the post-Euro 6 and Eco-design as these aims necessitate the establishment of technical requirements.

181. AC.3 adopted ECE/TRANS/WP.29/2019/33, the request for authorization to develop a new UN GTR on Determination of Electrified Vehicle Power.

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

A. Harmonization of side impact (agenda item 19.1)

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

182. AC.3 noted that the plans for the future of the group would be addressed at the May 2019 session of GRSP and expected an update at its 56th session.

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

183. No new subject was raised under this agenda item.

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

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

C. Specifications for the Event Data Recorder (EDR) (agenda item 19.3)

185. The representative of Italy informed AC.3 that the next GRSG meeting would be held during the first week of April 2019 with Event Data Recorder on the agenda for the purpose of restarting discussions on the potential development of a draft UN GTR.

XXII. Other business (agenda item 20)

Proposal for amendments to Special Resolution No.2 (agenda item 20.1)

186. No subject was raised under this agenda item.

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

XXIII. Establishment of the Committee AC.4 and election of officers for the year 2019 (agenda item 21)

187. AC.4 did not hold its session pursuant to the recommendation of WP.29 (para. 19).

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

188. No subject was raised under this agenda item.

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

189. No subject was raised under this agenda item.

XXVI. Other business (agenda item 24)

190. No subject was raised under this agenda item.

Annex I

**List of informal documents (WP.29-177-...) distributed
without a symbol during the 177th session**

<i>No. WP.29- 177-</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	(a)
2	Secretariat	5.1 and 13	E	Status of the 1998 Agreement of the global registry and of the compendium of candidates	(a)
3	Secretariat	12	E	Establishment of the Executive Committee (AC.3) of the 1998 Agreement Fifty-fifth session	(a)
4	European Union	2.3.	E	Deliverables, timeline and working arrangements on priorities for automated and connected vehicles	(a)
5	Secretariat	1.	E	Consolidated annotated agenda	(a)
6	Co-Chairs of IWG on PTI	7	E	Report to WP.29 about results of the 13th meeting of the Informal Working Group on Periodical Technical Inspections	(a)
7	IMMA	4.11.18	E	Correction to ECE/TRANS/WP.29/2018/105	(a)
8	USA	2.3 and 17	E	AV Principles Document	(a)
9	Secretariat	8.3.	E	Adopted proposals 38 amendments and situation of entry into force	(a)
10	IWG on DETA	4.5	E	Draft report of the 34 th session of the IWG on DETA	(a)
11	IWG on DETA	4.5	E	Report to the 177 th WP.29 session from the 34 th IWG on DETA meeting	(a)
12	IWG on DETA	4.5	E	Drafting the Decisions for WP.29 on the official start-up and Application of DETA	(a)
13	CLEPA	2.3 and 3.5.4	E	Position of CLEPA on ALKS	(a)

<i>No. WP.29- 177-</i>	<i>Transmitted by</i>	<i>Agenda item</i>	<i>Language</i>	<i>Title</i>	<i>Follow-up</i>
14	UK and Japan	2.3	E	Draft Proposal of Terms of Reference of the Informal Working Group on ITS (IWG on ITS)	(a)
15	IWG on PTI	7	E	Working plan of the Informal Working Group on Periodical Technical Inspections. Priorities, deliverables and expected timelines	(a)
16	IWG on PTI	7	E	Proposal for assurance of the safety of vehicles and their equipment and systems, including automated/autonomous driving systems in operation	(a)
17	Hungary	2.3	E	Presentation of the ZalaZONE Proving Ground	(a)
18	EU	2.2	E	EU Work Priorities for 2019-2021 for UNECE activities	(a)
19	Secretariat	2.3 and 17	E	Framework document on automated/autonomous vehicles	(b)
20	OICA	2.3	E	Future Certification of Automated Driving Systems	(a)
20/ Add.1	OICA	2.3	E	Comparison Safety Principles	(a)
21	Secretariat	4.1.	E	Exchange of information with the WP.29 secretariat	(a)

Notes:

- (a) Consideration completed or to be superseded.
- (b) Issue as official document for the next session.

Annex II

**World Forum for Harmonization of Vehicle Regulations (WP.29):
Working Parties, Informal Working Groups and Chairs
on 15 February 2019**

	<i>Working Parties and informal working groups</i>	<i>Chair/ 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	Japan UK	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 Ms. M. Teles Romao	Japan EC	November 2019
	Enforcement Working Group	Mr. E. Wondimneh	USA	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. E. Wondimneh 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
	UN GTR No. 16 (Tyres), Phase II	Mr. A. Bocharov	Russian Federation	November 2020
	Wet grip performance for tyres in worn state (WGWT)	Mrs. E. Collot Mr. A. Vosinis	France EC	September 2020
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	Netherlands	2020
	Environmental and Propulsion Performance Requirements of L-category vehicles (EPPR)	Mr. A. Perujo	EC	December 2020
	Electric Vehicle and Environment (EVE)	Mr. M. Olechiw Mrs. C. Chen Mr. T. Niikuni	USA China Japan	November 2019

	<i>Working Parties and informal working groups</i>	<i>Chair/ Vice-Chair</i>	<i>Country</i>	<i>Expiry date of the mandate</i>
	Particle Measurement Programme (PMP)	Mr. G. Martini	EC	June 2019
	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	December 2019
	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. B. Frost Ms. C. Chen Mr. T. Onoda	UK China Japan	2020
	Cyber Security and Over-the-Air software updates	Mr. T. Niikuni Mr. D. Handly	Japan UK	March 2020
	Advanced Emergency Braking Systems (AEBS)	Mr. A. Lagrange ¹ Mr. T. Hirose ⁴	EC Japan	September 2019
	Automatically Commended Steering Functions (ACSF)	[Tbd] ¹ Mr. H. Morimoto ¹	Germany Japan	February 2020
	Modular Vehicle Combinations (MVC)	Mr. A. Gunneriusson	Sweden	February 2020
	[Validation Method for Automated Driving]	Mr. T. Onoda Mr. P. Striekwold	Japan Netherlands	Tbd
GRSP	Passive Safety	Mr. N. Nguyen Mr. Jae-Wan Lee	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	June 2019
	UN GTR No. 9 on Pedestrian Safety – Development of Phase 2	Mr. R. Damm	Germany	December 2018
	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. N. Nguyen 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. N. Nguyen ¹ Mr. M. Takahashi ¹	USA Japan	December 2020
	Protective helmets	Mr. L. Rocco	Italy	December 2019

⁴ IWG Co-Chairs

	<i>Working Parties and informal working groups</i>	<i>Chair/ Vice-Chair</i>	<i>Country</i>	<i>Expiry date of the mandate</i>
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. P. Broertjes Mr. Y. Matsui	EC Japan	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 III

[English only]

Programme of Work of the World Forum for Harmonization of Vehicle Regulations and its Subsidiary Bodies

Main topics of work of the World Forum for Harmonization of Vehicle Regulations and its subsidiary bodies

Top priorities for the work of the World Forum for Harmonization of Vehicle Regulations lie in the field of automated vehicles paving the way for a regulatory framework supporting the introduction of these emerging technologies towards future autonomous vehicles and in environmental protection and climate change

1. Further development and implementation of the three Vehicle Agreements

1.1. **1958 Agreement:** Following the adoption and entry into force of Revision 3 of the 1958 Agreement on 14 September 2017, the requirements for International Whole Vehicle Type Approval (IWVTA) are to be further developed within UN Regulation No. 0. and DETA to be established.

1.2. **1997 Agreement:** Further to amending the rules under the agreement, elements related to the performance and quality of periodic technical inspections have been prepared for an adaptation of the agreement and resolution R.E.6 covering skills and training for inspectors, requirements for testing equipment and supervision of test centres was established. Two additional rules were established covering vehicles with gaseous fuels and electric or Hybrid electric propulsion systems. Access to information necessary for performance of periodic technical inspection of modern vehicles needs to be addressed.

1.3. **1998 Agreement:** Following the establishment of Special resolution S.R.3, the implementation of the agreement will be followed with a more strategic approach by identifying key elements that define elements the work will focus on.

2. Horizontal activities

2.1. Performance requirements outside test conditions (ECE/TRANS/WP.29/1126, para. 21) and whole life compliance are elements to be considered in all areas of work both in WP.29 and in all GRs.

3. Main topics of the Subsidiary Bodies

3.1. GRBP: following the conversion of GRRF into GRVA the work on tyres has been transferred to GRBP. GRBP main topics are the work on a UN GTR for Quiet Road Transport Vehicles (QRTV), sound measurement uncertainties as well as wet grip for tyres in a worn state.

3.2. GRE is continuing the work on simplification of the lighting regulations following the establishment of the Resolution R.E.5 on the common specification of light source categories. Once the first stage of simplification is finalized, in the second stage GRE will

focus on introducing technology neutral requirements, also taking into account work to avoid glare and to ensure good visibility for dipped beam headlamps.

3.3. GRPE main area of work is related to the transformation of WLTP into a new UN Regulation and further harmonization of emission and energy consumption test procedures including a new UN GTR on Global Real Driving Emissions (GRDE). Alternative powertrains/fuels and development of requirements for real world vehicle performance towards sustainable transport systems.

4.4. GRVA is establishing further elements for the UN vehicle regulatory framework towards automated driving.

4.4. GRVA's main topic is to deliver technical provisions for the safety performance assessment of automated and connected vehicles. GRVA is continuing to work on amendments to UN Regulation No. 79 (steering equipment) for this purpose but is also continuing the work initiated by the Informal Working Group on Intelligent Transport Systems / Automated Driving started before its inception. Beside this, GRVA is working on Cyber Security provisions and software updates (including Over-the-Air Software updates). GRVA is drafting technical provisions which are suitable for use under both the 1958 and the 1998 Agreement. GRVA continues the work of the former GRRF on ADAS and active safety and provisions mostly related to vehicle dynamics.

4.5. GRSG established a new UN Regulation on Advanced Driver Assistant Systems for Blind Spot Detection to early warn drivers of not automated vehicles and deals with mechanic coupling devices, a former activity of GRRF. Future work will address the thematic of Event Data Recorder (EDR) with a new UN GTR.

4.6. GRSP focuses its work on a UN GTR for electric vehicle safety as well as on hydrogen vehicles, protection of vulnerable road users (e.g. UN GTR /UN Regulation on pedestrian protection, motorcycle helmets and child restraint systems).

Table 1
Subjects under consideration by the World Forum (WP.29)

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
0. Intelligent Transport Systems (ITS)		
1.0. Automated/Autonomous Driving		
1.0.1. Framework document on automated/autonomous vehicles.		
1.0.2. Functional Requirements for automated / autonomous vehicles		
1.0.3. New assessment / Test method		
1.0.4. Cyber security and (Over-the-Air) Software updates		
1.0.5. Event Data Recorder (EDR)		
1.0.6. Data Storage System for Automated Driving vehicles (DSSAD)		
1.1. 1958 Agreement	For document symbols and its availability, please refer to the agenda (1144)	
1.1.1. Draft amendments to existing UN Regulations to be considered at the March 2019 session:		
0 (International Whole Vehicle Type Approval);		
3 (Retro-reflecting devices);		
4 (Illumination of rear registration plates);		
6 (Direction indicators);		
7 (Position, stop and end-outline lamps);		
9 (Noise of three-wheeled vehicles);		
10 (Electromagnetic compatibility);		
19 (Front fog lamps);		
23 (Reversing lamps);		
27 (Advance warning triangles);		
38 (Rear fog lamps);		

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
41	(Noise emissions of motorcycles);	
48	(Installation of lighting and light-signalling devices);	
50	(Position, stop, direction indicator lamps for mopeds and motorcycles);	
51	(Noise of M and N categories of vehicles);	
53	(Installation of lighting and light-signalling devices for L3 vehicles);	
55	(Mechanical couplings);	
58	(Rear underrun protection);	
62	(Anti-theft for mopeds/motorcycles);	
67	(LPG vehicles);	
69	(Rear-marking plates for slow moving vehicles);	
70	(Rear-marking plates for heavy and long vehicles);	
73	(Lateral protection devices);	
74	(Installation of lighting and light-signalling devices for mopeds);	
77	(Parking lamps);	
86	(Installation of lighting and light-signalling devices for agricultural vehicles);	
87	(Daytime running lamps);	
91	(Side marker lamps);	
98	(Headlamps with gas-discharge light sources);	
92	(Replacement exhaust silencing systems for motorcycles);	
104	(Retro-reflective markings);	
106	(Tyres for agricultural vehicles and their trailers);	
107	(M2 and M3 vehicles).	
110	(CNG and LNG vehicles);	
112	(Headlamps emitting an asymmetrical passing-beam);	

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
113 (Headlamps emitting a symmetrical passing-beam);		
116 (Anti-theft and alarm systems);		
119 (Cornering lamps);		
122 (Heating systems);		
123 (Adaptive front lighting systems (AFS));		
128 (LED light sources).		
1.1.1. Draft New UN Regulation:		
Blind Spot Information System for the Detection of Bicycles		
Light-Signalling Devices (LSD)		
Road Illumination devices (RID)		
Retro-Reflective Devices (RRD)		
1.1.2. Draft amendments to existing UN Regulations to be considered at the June 2019 session	1146	
UN Regulations Nos.:		
forthcoming		
1.1.3. Proposal for new UN Regulations to be considered at the June 2019 session	1146	
forthcoming		
1.1.4. Status of the Agreement and of the annexed UN Regulations, including the latest situation report	343/Rev.27	
1.1.5. Development of an International Whole Vehicle Type Approval (IWVTA) system,		
1.1.6. Consideration of amendments to the 1958 Agreement.		
1.1.7. Development of an electronic database for the exchange of type approval documentation (DETA)		
1.2. 1998 Agreement (Global)	For document symbols and its availability, please refer to the agenda (1144)	
1.2.1. Consideration of draft UN GTRs and amendments to them:		
Nil		
1.2.2. Consideration of Mutual Resolutions		
Consideration of draft amendments to Mutual Resolution No. 1 (M.R.1)		

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
Nil		
Consideration of draft amendments to Mutual Resolution No. 2 (M.R.2)		
Nil		
Consideration of new Mutual Resolutions		
Nil		
1.2.3. Guidance for the development of UN GTRs:		
Nil		
1.2.4. Progress on the development of new UN GTRs and of amendments to established UN GTRs		
1.2.5. Consideration of draft UN GTRs and amendments to them to be considered at the June 2019 session		
UN GTR Nos.:		
forthcoming		
1.2.6. Consideration of new Mutual Resolutions		
1.2.7. Guidance for the development of UN GTRs:		
Nil		
1.2.8. Progress on the development of new UN GTRs and of amendments to established UN GTRs		
2 (Worldwide Motorcycle emission Test Cycle (WMTC));		
3 (Motorcycle braking);		
6 (Safety glazing);		
7 (Head restraints);		
9 (Pedestrian safety);		
13 (Hydrogen and Fuel Cell Vehicles (HFCV) – Phase 2);		
15 (Worldwide harmonized Light vehicle Test Procedures (WLTP) – Phase 2);		
16 (Tyres)		
Draft UN GTR on Quiet Road Transport Vehicles (QRTV)		
Draft UN GTR on Global Real Driving Emissions (GRDE)		

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
1.2.9. Exchange of views on items for new UN Global Technical Regulations		
Harmonization of side impact		
Electric vehicles and the environment		
Specifications for the 3-D H point machine		
Hydrogen and Fuel Cell Vehicles (HFCV) (UN GTR No. 13) – Phase 2		
Event Data Recorder (EDR)		
1.3. 1997 Agreement (Inspections)		For document symbols and its availability, please refer to the agenda (1144)
1.3.1. Future development of the Agreement		
1.3.2. Update of UN Rules Nos. 1, 2, [3] and [4]		
1.3.3. Consideration of new UN Rules		

Table 2

Subjects under consideration by the Working Party on Noise and Tyres (GRBP)

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
2.1. 1958 Agreement		For document symbols and its availability, please refer to the agenda of the sixty-ninth session (GRB/2019/1)
2.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):		
Part 1 – Noise:		
28 (Audible warning devices);		
41 (Noise of motorcycles);		
51 (Noise of M and N categories of vehicles);		
59 (Replacement silencing systems);		
92 (Replacement exhaust silencing systems for motorcycles);		
117 (Tyre rolling noise and wet grip adhesion);		
Part 2 – Tyres:		
30 (Tyres for passenger cars and their trailers);		
54 (Tyres for commercial vehicles and their trailers);		
64 (Temporary use spare unit, run flat tyres, run flat-system and tyre pressure monitoring system);		
75 (Motorcycle tyres);		
106 (Tyres for agricultural vehicles);		
108 (Retreaded tyres for passenger cars and their trailers)		
109 (Retreaded tyres for commercial vehicles and their trailers);		
117 (Tyres - Rolling resistance, rolling noise and wet grip);		
124 (Replacement wheels for passenger cars);		
141 (Tyre Pressure Monitoring Systems);		
142 (Tyres installation).		
2.2. 1998 Agreement (Global)		

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
16 (Tyres).		For document symbols and its availability, please refer to the agenda of the sixty-ninth session (GRB/2019/1)

Table 3

Subjects under consideration by the Working Party on Lighting and Light-Signalling (GRE)

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
3.1. 1958 Agreement		For document symbols and its availability, please refer to the agenda of the eighty-first session (GRE/2019/1)
3.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):		
6 (Direction indicators);		
7 (Position, stop and end-outline lamps);		
10 (Electromagnetic compatibility);		
19 (Front fog lamps);		
23 (Reversing lamps);		
38 (Rear fog lamps);		
45 (Headlamp cleaners);		
48 (Installation of lighting and light-signalling devices);		
50 (Position, stop, direction indicator lamps for mopeds and motorcycles);		
53 (Installation of lighting and light signalling devices for L ₃ vehicles);		
77 (Parking lamps);		
86 (Installation of lighting and light-signalling devices for agricultural tractors);		
87 (Daytime running lamps);		
91 (Side marker lamps);		
98 (Headlamps with gas-discharge light sources);		
112 (Headlamps emitting an asymmetrical passing-beam)		
113 (Headlamps emitting a symmetrical passing-beam);		
119 (Cornering lamps);		
123 (Adaptive front lighting systems (AFS));		
New UN Regulation on Light-Signalling Devices (LSD)		
New UN Regulation on Road Illumination devices (RID)		
New UN Regulation on Retro-Reflective Devices (RRD)		

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
3.1.2. Proposal for draft new UN Regulations: Nil		
3.2. 1998 Agreement (Global) Possibility to develop further UN GTRs		
3.3. 1997 Agreement (Inspections) Nil		
3.4. Proposal for draft recommendations or amendments to existing recommendations Proposals for draft amendments to the Consolidated resolution on the common specification of the light source categories (R.E.5)		
3.5. Miscellaneous items Pending amendment proposals Simplification of lighting and light-signalling UN Regulations Amendments to the Convention on Road Traffic (Vienna 1968) Development of an international whole vehicle type approval (IWVTA) Phantom light and colour washout Direction for future GRE work Work progress of the International Automotive Lighting and Light Signalling Expert Group (GTB) task forces		For document symbols and its availability, please refer to the agenda of the eighty-first session (GRE/2019/1)

Table 4

Subjects under consideration by the Working Party on Pollution and Energy (GRPE)

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
4.1. 1958 Agreement		For document symbols and its availability, please refer to the agenda of the seventy-eighth session (GRPE/2019/1)
4.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):		
40 (Emission of gaseous pollutants by motorcycles);		
47 (Emission of gaseous pollutants of mopeds)		
49 (Emissions of compression ignition and positive ignition (LPG and CNG) engines);		
68 (Measurement of the maximum speed, including electric vehicles);		
83 (Emissions of M ₁ and N ₁ vehicles);		
85 (Measurement of the net power);		
96 (Diesel emission (agricultural tractors));		
101 (CO ₂ emissions/fuel consumption);		
103 (Replacement pollution control devices);		
115 (LPG and CNG retrofit systems);		
120 (Net power of tractors and non-road mobile machinery);		
132 (Retrofit Emissions Control devices (REC));		
133 (Recyclability of motor vehicles);		
143 (Heavy duty dual-fuel engine retrofit systems)		
4.1.2. Proposal for draft new UN Regulations		
Nil		
4.2. 1998 Agreement (Global)		For document symbols and its availability, please refer to the agenda of the seventy-eighth session (GRPE/2019/1)
2 (Worldwide motorcycle emissions test cycle (WMTC));		
4 (Worldwide harmonized Heavy-Duty Certification Procedure (WHDC));		
5 (Worldwide harmonized Heavy duty on-board diagnostic systems (WWH-OBD));		
10 (Off-Cycle Emissions (OCE));		
11 (Non-road mobile machinery engines);		
15 (Worldwide harmonized Light Vehicle Test Procedure (WLTP))		

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
4.2.1. Proposal for developing new UN Global Technical Regulations Vehicles Interior Air Quality (VIAQ)		
4.3. 1997 Agreement (Inspections) Nil		
4.4. Proposal for draft recommendations or amendments to existing recommendations Nil		
4.5. Miscellaneous items World-wide harmonized Light vehicles Test Procedure (WLTP) Heavy Duty Hybrids (HDH) Particle Measurement Programme (PMP) Gaseous Fuelled Vehicles (GFV) Environmental and Propulsion Performance Requirements (EPPR) for L-category vehicles Electric Vehicles and the Environment (EVE) Vehicle Propulsion System Definitions (VPSD) Fuel Quality (FQ) International Whole Vehicle Type Approval (IWVTA) Exchange of information on national and international requirements on emissions Vehicles Interior Air Quality (VIAQ) Global Real Driving Emissions (RDE)		For document symbols and its availability, please refer to the agenda of the seventy-eighth session (GRPE/2019/1)

Table 5

Subjects under consideration by the Working Party on Automated / Autonomous and Connected Vehicles (GRVA)

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
5.1. 1958 Agreement		For document symbols and its availability, please refer to the agenda of the second session (GRVA/2019/1)
5.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):		
13 and 13-H (Braking);		
78 (Motorcycle braking);		
79 (Steering equipment);		
89 (Speed limitation devices);		
90 (Replacement brake linings);		
139 (Brake Assist Systems);		
140 (Electronic Stability Control);		
5.1.2. Proposal for draft new UN Regulations:		
Nil		
5.1.3. Vehicle automation		
Remote Control Manoeuvring (RCM)		
Automated Controlled Steering Function (ACSF)		
Longitudinal control (Adaptive Cruise Control, preventing braking);		
Transition demand (Human Machine Interface (HMI));		
Driver Availability Recognition;		
Information to the driver (HMI);		
Electronic System Compliance (Complex Electronics Development);		
Periodic Technical Inspection/ Roadworthiness Provisions;		
Cyber Security;		
Software (incl. Over-the-Air) updates;		
Data Storage System for Automated Driving (DSSAD);		
Night Vision;		
Rear crossing alert;		
Door-open blind spot detection;		
Around view monitor		
5.2. 1998 Agreement (Global)		

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
3 (Motorcycle braking);		For document symbols and its availability, please refer to the agenda of the second session (GRVA/2019/1)
5.3. 1997 Agreement (Inspections)		
Nil		
5.4. Proposal for draft recommendations or amendments to existing recommendations:		
Nil		
5.5. Miscellaneous items		For document symbols and its availability, please refer to the agenda of the second session (GRVA/2019/1)
Intelligent Transport Systems (ITS)		
Intelligent Transport Systems/Automated Driving (AD)		
Connected, automated and autonomous vehicles		
Functional Requirements for automated / autonomous vehicles		
New assessment / Test method		
Cyber security and (Over-the-Air)		
Software updates		
Data Storage System for Automated Driving vehicles (DSSAD)		
Horizontal regulation on automated and autonomous vehicles and associated recommendations		
System safety		
Artificial Intelligence technologies for wheeled vehicles		
Driver availability recognition		
Vehicle cybersecurity and data protection		
Rear crossing traffic alerting		
Night Vision system		
360-degree vision monitor		
International Whole Vehicle Type Approval (IWVTA)		
Modular Vehicle Combinations (MVC)		
Exchange of views on innovations and relevant national activities		

Table 6
Subjects under consideration by the Working Party on General Safety Provisions (GRSG)

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
6.1. 1958 Agreement		For document symbols and its availability, please refer to the agenda for the 116th session (GRSG/2019/1)
6.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):		
39 (Speedometer/odometer);		
43 (Safety glazing);		
46 (Devices for indirect vision);		
55 (Mechanical couplings);		
60 (Driver operated controls (mopeds/motorcycles));		
66 (Strength of superstructure (buses));		
67 (LPG vehicles);		
73 (Lateral protection devices);		
105 (ADR vehicles);		
110 (CNG and LNG vehicles);		
116 (Anti-theft and alarm systems);		
118 (Burning behaviour of materials);		
121 (Identification of controls, tell-tales and indicators);		
146 Accident Emergency Call Systems (AECS)		
6.1.2. Proposal for draft new UN Regulations:		
Advanced Driver Assistance Systems for blind spot monitoring.		
6.2. 1998 Agreement (Global)		For document symbols and its availability, please refer to the agenda for the 116th session (GRSG/2019/1)
Possibility to develop further UN GTRs		
6 (Safety glazing)		
6.3. 1997 Agreement (Inspections)		
Nil		
6.4. Proposal for draft recommendations or amendments to existing recommendations:		

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
Nil		
6.5. Miscellaneous items		For document symbols and its availability, please refer to the agenda for the 116th session (GRSG/2019/1)
International Whole Vehicle Type Approval (IWVTA)		
Consolidated Resolution on the Construction of Vehicles (R.E.3)		
Event Data Recorder		
Three-dimensional H-point machine		

Table 7

Subjects under consideration by the Working Party on Passive Safety (GRSP)

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
7.1. 1958 Agreement		For document symbols and its availability, please refer to the agenda for the sixty-fourth session (GRSP/2018/23)
7.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):		
14 (Safety-belt anchorages);		
16 (Safety-belts);		
17 (Strength of seats);		
21 (Interior fittings);		
22 (Protective helmets);		
25 (Head restraints);		
44 (Child restraints systems);		
80 (Strength of seats and their anchorages (buses));		
94 (Frontal collision);		
100 (Electric power trained vehicles);		
127 (Pedestrian safety);		
129 (Enhanced child restraint systems)		
7.1.2. Proposal for draft new UN Regulations:		
Nil		
7.2. 1998 Agreement (Global)		For document symbols and its availability, please refer to the agenda for the sixty-fourth session (GRSP/2018/23)
1 (Door locks and door retention components);		
7 (Head restraints);		
9 (Pedestrian safety);		
13 (Hydrogen and Fuel Cells Vehicles)		
Side impact dummies		
Electric vehicles		
Vehicle Crash compatibility		
7.3. 1997 Agreement (Inspections)		
Nil		
7.4. Proposal for draft recommendations or amendments to existing recommendations		
Nil		

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
7.5. Miscellaneous items		
Exchange of information on national and international requirements on passive safety		For document symbols and its availability, please refer to the agenda for the sixty-fourth session (GRSP/2018/23)
International Whole Vehicle Type Approval (IWVTA)		
3-D H point machine		
Definition and acronyms in UN Regulations under GRSP responsibilities		

Annex IV

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 2019

GRVA

<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>
[Amendment 3] to UN GTR No. 3 (motorcycle brake systems)	No	Italy	AC.3/47	-	GRVA is expected to resume discussion on this item at its September 2019 session.

GRSP

<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>
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)	GRSP is expected to resume discussion on new proposals of Amendment 1 to the UN GTR (GRSP/2019/5) and of a draft Addendum 1 to the M.R.1 at its May 2019 session.
Amendment 2 - Phase 2 of UN GTR No. 9 (Flex-PLI) (Pedestrian Safety)	Yes/ Germany/ Japan	Germany/ Japan	AC.3/24	GRSP/2019/4	At its May 2019 session GRSP will continue consideration on a proposal concerning Amendment 2 to Mutual Resolution No. 1 to insert Addendum 3 related to drawings and technical specifications of flex-PLI

* Information on the contracting parties (37), the Global Registry and the Compendium of Candidates are in document ECE/TRANS/WP.29/1073/Rev.24.

<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>
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 December 2018 session.
Amendment 4 to UN GTR No. 9		Republic of Korea		AC.3/45/Rev.1 2018/162 (ToR)	AC.3 endorsed the ToR of the 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 surface to ensure an adequate protection of pedestrians at its May 2019 session.
Phase 2 of UN GTR No. 13 (HFCV)		Japan, Republic of Korea and the European Union		AC.3/49 2018/75 (ToR)	The ToR of the 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 November 2018 session of AC.3.
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

<i>Item</i>	<i>Informal group (Yes–No)/ Chair & Vice- Chair</i>	<i>Tech. sponsor</i>	<i>Formal proposal (ECE/TRANS/WUN GTR P.29/...)/</i>	<i>Proposal for a draft GTR (ECE/TRANS/WP.29/..)</i>	<i>State of play/Comments</i>
Amendments to UN GTR No. 2 (WMTC)	Yes/European Union (EPPR)	European Union	AC.3/36/ Rev.1 (based on 2015/113)		GRPE was informed about the ongoing work by the IWG on EPPR on the development of amendments to UN GTR No. 2.
[Amend. 5] to UN GTR No. 15 (WLTP)	Yes/ Netherlands (WLTP)	European Union/ Japan	AC.3/44 (based on 2016/73)		GRPE has endorsed the Amend. 5 at its January 2019 session.

<i>Item</i>	<i>Informal group (Yes–No)/ Chair & Vice- Chair</i>	<i>Tech. sponsor</i>	<i>Formal proposal (ECE/TRANS/WUN GTR P.29/...)/</i>	<i>Proposal for a draft (ECE/TRANS/WP.29/...)</i>	<i>State of play/Comments</i>
[Amend 2] to UN GTR No. 19 (WLTP EVAP)	Yes Netherlands (WLTP)	European Union/ Japan	AC.3/44 (based on 2016/73)		GRPE has endorsed the Amend. 2 at its January 2019 session.
Electric vehicles and the environment (EVE)	Yes/USA/ China/ Japan	Canada/ China/European Union/ Japan/USA	AC.3/46 (based on 2016/11)		GRPE was informed about the ongoing work by the IWG on EVE as part B of the mandate. AC.3 agreed to establish a dedicated new UN GTR.
Global Real Driving Emissions (RDE)	[Yes/European Union/ Japan/ Rep. of Korea]	European Union/ Japan/ Rep. of Korea	AC.3/51		ToR for IWG on RDE endorsed by GRPE at its January 2019 session. Dedicated UN GTR under development

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 V

Access rights for the start-up of DETA

Explanation:

R = read

W = read + write + delete

	CERT (communication on type approval)	TR (test report)	IF (information document)	OTHER (other documents)
Approval granting TAA (for granted approval)	W	W	W	W
CP applying the UN Reg. for which the approval was granted	R	R	R	R
CP applying UN Reg. 0 (access to the approvals of R0 and the annexed UN Regulations)	R	R	R	R
CPs not applying that UN Reg.	R	-	-	-
Manufacturer *) (only for own approvals)	R	R	R	R

*) Manufacturers get access upon request to the DETA Administrator.

Note: IWG on DETA will look at expanding access rights for further phases.