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|  | United Nations | ECE/TRANS/WP.29/1155/Add.1 |
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**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations**

**182nd session**

Geneva, 10–12 November 2020

 Annexes to the reports of the World Forum for Harmonization of Vehicle Regulations on its 182nd session

Annex I

 List of informal documents (WP.29-182-…) distributed without a symbol during the 182nd session

| *No. WP.29-182-* | *Transmitted by* | *Agenda item* | *Language* | *Title* | *Follow-up* |
| --- | --- | --- | --- | --- | --- |
| 1 | Secretariat | 2.2. | E | WP.29, Working Parties, Informal Working Groups and Chairmanship | (d) |
| 2 | Secretariat | 2.2. | E | Draft calendar of meetings for 2021 | (b) |
| 3 | Secretariat | 1.. | E | Running order of the 182nd session of WP.29 | (d) |
| 4 | Secretariat | 1. | E | Consolidated agenda | (b) |
| 5 | GRVA | 3.6.4. | E | Interpretation document for UN Regulation No. [155] | (a) |
| 6 | GRVA | 3.6.4. | E | Interpretation document for UN Regulation No. [156] | (a) |
| 7 | GRVA | 4.5. | E | Guideline for the use of DETA by the Authorities as per UN Regulation No. [155] | (a) |
| 8 | Secretariat | 1. | E | Proceedings for the 182nd session of WP.29 | (d) |
| 9 | Secretariat | 8.3 | E | The Inland Transport Committee and the Road Safety Progress Report of the ECE Road Safety Action Plan (2011-2020) | (d) |
| 10 | Secretariat | 5.1 & 13 | E | Situation on priorities and proposals to develop UN GTRs as of 5 November 2020 | (d) |
| 11 | IWVTA | 4.3.1 | E | Proposal for amendments to ECE/TRANS/WP.29/1044/Rev.2 | (b) |
| 12 | IWG on ITS | 2.3. | E | Proposal for updated ITS Road Map | (b) |
| 13 | IWG on PTI | 7.5 | E | Proposal for amendments to ECE/TRANS/WP.29/2019/120 | (b) |
| 14 | IWG on DETA | 4.5. | E | Report to the 182nd WP.29 session from the 39th IWG on DETA meeting | (d) |
| 15 | Secretariat | 2.2 | E | UNECE Executive Secretary letter to permanent missions of UNECE member States | (d) |
| 16 | Secretariat | 2.2 | E | Mapping implementation of ITC strategy by WP.29 and GRs | (b) |
| 17 | European Commission | 2.2. | E | Amendments to programme of work (ECE/TRANS/WP.29/2020/1/Rev.2) | (c) |
| 18 | European Commission | 2.3. | E | Proposal for amendments to the Framework Document on Automated/ autonomous Vehicles (Revision 2) | (c) |
| 19 | IWG on AEBS | 3.6.4. |  | Proposals from the Informal Working Group on AEBS to amend UN R. No. 152 | (d) |
| 20 | United States of America | 1 | E | Address to the UNECE World Forum for Harmonization of Vehicle Regulations (WP.29) by NHTSA Deputy Administrator James Owens | (d) |
| 21 | Secretariat | 8.4 | E | Adopted proposals 26 Amendments - 1 Corrigendum - 6 new Regulations; situation of their entry into force181st session – June 2020 | (d) |
| 22 | Secretariat | 8.4 | E | Overview of results of the WP.29/GR virtual meeting survey | (d) |

*Notes:*(a) Endorsed and issue as official document for the next session.

(b) Adopted or endorsed.
(c) Continue or postpone consideration to the next session.

(d) Consideration completed or to be superseded

(e) Referred to GR(s)/IWG for consideration

Annex II

 World Forum for Harmonization of Vehicle Regulations (WP.29):
Working Parties, Informal Working Groups and Chairs
on 11 November 2020

|  | *Working Parties and informal working groups* | *Chair/Co-ChairsVice-Chair* | *Country* | *Expiry date of the mandate* |
| --- | --- | --- | --- | --- |
| **WP.29** | **World Forum**  | **Mr. A. Erario****Mr. S. Anikeev** | **Italy****Russian Federation** | **2022** |
|  | Intelligent Transport Systems (ITS) | Mr. H. InomataMr. I. YarnoldMs. J. Doherty | JapanUKUSA | March 2025 |
|  | Electronic Database for the Exchange of Type Approval documentation (DETA) | Mr. S. Paeslack | Germany | June 2021 |
|  | International Whole Vehicle Type Approval (IWVTA) | Mr. T. Onoda | Japan | November [2022] |
|  | Enforcement Working Group | N.N. |  | 2020 |
|  | Periodic Technical Inspections (PTI) | Mr. H. P. WeemMr. V. Komarov | NetherlandsRussian Federation | November [2021] |
| **GRBP** | **Noise and Tyres** | **Mr. S. FicheuxMr. A. Bocharov** | **FranceRussian Federation** | **2021** |
|  | Quiet Road Transport Vehicles (QRTV UN GTR) | Mr. H. MohammedMr. I. Sakamoto  | USAJapan | December 2021 |
|  | Additional Sound Emission Provisions (ASEP) | Mr. B. SchuttlerMr. D. XieMr. K. Okamoto | GermanyChinaJapan | January 2022 |
|  | Wet grip performance for tyres in worn state (WGWT) | Mrs. E. CollotMr. A. Vosinis | FranceEC | September 2021 |
|  | Measurement Uncertainties (MU) | Mr. T. Berge | Norway | January 2022 |
| **GRE** | **Lighting and Light-Signalling** | **Mr. T.Kärkkäinen Mr. D. Rovers** | **FinlandNetherlands** | **2021** |
|  | Simplification of the Lighting and Light Signalling Regulations (SLR) | Mr. D. RoversM. A. Lazarevic | NetherlandsEC | December 2022  |
| **GRPE** | **Pollution and Energy** | **Mr. A. RijndersMr. D. Kay** | **NetherlandsUK** | **2021** |
|  | Environmental and Propulsion Performance Requirements of L-category vehicles (EPPR) | Mr. A. PerujoMr. H. Suzuki | ECJapan | December 2025 |
|  | Electric Vehicle and Environment (EVE) | Mr. M. OlechiwMrs. C. ChenMr. H. Ishii | USAChinaJapan | June 2021 |
|  | Particle Measurement Programme (PMP) | Mr. G. Martini | EC | June 2021  |
|  | Vehicle Interior Air Quality (VIAQ) | Mr. A. KozlovMr. J. Lim | Russian FederationRepublic of Korea | November 2025 |
|  | Worldwide harmonized Light vehicles Test Procedures (WLTP Phase 2) | Mr. R. CuelenaereMr. D. Kawano | NetherlandsJapan | June 2020 |
|  | Global Real Driving Emissions (RDE) | Ms. P. DilaraMr. Y. KonoMr. J. Park | ECJapanRepublic of Korea | November 2021 |
| **GRVA** | **Automated/Autonomous and Connected Vehicles** | **Mr. R Damm****Ms. C. ChenMr. T. Onoda** | **Germany****ChinaJapan** | **2021** |
|  | Functional Requirements for Automated and Autonomous Vehicles (FRAV) | Mr. E. Wondimneh[[1]](#footnote-2)Ms. C. Chen.1Mr. R. Damm1 | USAChinaGermany | March [2020] |
|  | Validation Method for Automated Driving (VMAD) | Mr. T. Onoda1Mr. P. Striekwold1Mr. I. Sow1 | JapanNetherlandsCanada | December [2020] |
|  | Cyber Security and Over-The-Air software updates (CS/OTA) | Mr. T. Niikuni1Dr. D. Handley1Ms. M. Versailles | JapanUKUSA | November 2022 |
|  | Event Data Recorder / Data Storage System for Automated Driving (EDR/DSSAD) | Mr. T. Guiting1Mr. T. TokaiMrs. J. Doherty1 | NetherlandsJapanUSA | November [2020] |
|  | Advanced Emergency Braking Systems (AEBS) for M1 and N1 | Mr. A. Lagrange1 Mr. T. Hirose1 | ECJapan | March 2022 |
|  | AEBS for heavy vehicles | Tbd. | GermanyJapan | Tbc. |
| **GRSP** | **Passive Safety** | **Mr M. KoubekMr H. G. Kim** | **USARepublic of Korea** | **2020** |
|  | Harmonization of Side Impact Dummies |  |  | Tbd |
|  | UN GTR No. 9 on Pedestrian Safety Deployable – Pedestrian Protection Systems (DPPS) | Mr. J. S. Park | Republic of Korea | June 2021 |
|  | Electric Vehicle Safety (EVS) – Phase 2 | Mr. M. KoubekMr. A. Lazarevich | USA, EC andChina Vice-Chair | December 2021 |
|  | Specification of the 3D-H machine | Mr. L. Martinez | Spain | Tbd |
|  | Hydrogen and Fuel Cell Vehicles (HFCV) – Phase 2 | Mr. M. KoubekMs. Y. Sakamoto1 | USAJapan andChina and Republic of Korea Vice-Chairs | June 2022 |
|  | Protective Helmets | Mr. L. Rocco | Italy | suspended |
|  | Safer Transport of Children in Buses and Coaches | Ms. Marta Angles | Spain | March 2023 |
| **GRSG** | **General Safety** | **Mr. A. ErarioMr. K. Hendershot** | **ItalyCanada** | **2021** |
|  | Panoramic Sunroof Glazing (PSG) | Mr. S. EomMr. T. Fuhrmann | Republic of KoreaGermany | April 2020  |
|  | Awareness of Vulnerable Road Users proximity(VRU-Proxi) | Mr. Y. MatsuiMr. P. Broertjes | Japan EC | April 2022 |
|  | Behaviour of M2 and M3 category vehicles' general construction in case of fire events (BMFE) | Mr. F. Herveleu | France | October 2021 |

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

|  | *Committees* | *ChairVice-Chair* | *Country* | *Expiry date of the mandate* |
| --- | --- | --- | --- | --- |
| AC.1 | Administrative Committee of the 1958 Agreement | Mr. A. Erario Mr. S. Anikeev | Italy Russian Federation | N.a. |
| AC.2 | Administrative Committee for the coordination of work | Mr. A. Erario | Italy | 2022 |
| AC.3 | Executive Committee of the 1998 Agreement | Mr. E. Wondimneh Mr. I. YarnoldMr. H. Inomata | USA UKJapan | N.a. |
| AC.4 | Administrative Committee of the 1997 Agreement | Mr. B. Kisulenko | Russian Federation | N.a. |

Annex III

Draft calendar of meetings of WP.29, GRs and Committees for 2021, as per 10 November 2020

Changes to be expected due to COVID-19 pandemic and/or UN financial crises

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *Month* | *Meeting (title and session No.)* | *Dates proposed* | *Schedule* | *Half-days* | *Interpretation* | *12 weeks deadline* | *Delegates* |
| **JANUARY** | **Working Party on General Safety Provisions (GRSG) (120th session)** | **11** | **pm** | **1** | **Yes** | **19.10.2020** | **120** |
| JANUARY | Working Party on Pollution and Energy (GRPE) (82nd session) | 12-15 | p.m./a.m. | 6 | Yes | 20.10.2020 | 150 |
| JANUARY | Working Party on Noise and Tyres (GRBP) (73rd session) | 26-29 | p.m./a.m. | 6 | Yes | 3.11.2020 | 120 |
| FEBRUARY | Working Party on Automated/Autonomous and Connected Vehicles (GRVA) (**9**th session) | **1-5** | p.m./a.m. | 8 | Yes | 16.11.2020 | 150 |
| MARCH | Administrative Committee for the Coordination of Work (WP.29/AC.2) (135th session) | 8 | a.m./p.m. | 2 | No |  | 35 |
| MARCH | World Forum for Harmonization of Vehicle Regulations (WP.29) (183rd); Admin. Committee of the 1958 Agreement (AC.1: 77th session);Executive Committee of the 1998 Agreement (AC.3: 61st session); Admin. Committee of the 1997 Agreement (AC.4: 19th session) | 9-**11**(1010-11) | a.m./**p.m.**(p.m.p.m./a.m.) | 6 | Yes | 8.12.2020 | 160 |
| APRIL | Working Party on General Safety Provisions (GRSG) (**121st** session) | 12-16 | p.m./a.m. | 8 | Yes | 18.01.2021 | 120 |
| APRIL | Working Party on Lighting and Light-Signalling (GRE) (84th session) | 26-30 | a.m./p.m. | 8 | Yes | 1.02.2021 | 120 |
| MAY | Working Party on Passive Safety (GRSP) (69th session) | **17-21** | p.m./a.m. | 8 | Yes | 22.02.2021 | 120 |
| May/June | Working Party on Automated/Autonomous and Connected Vehicles (GRVA) (**10**th session) | **tbc** | **tbc** | **tbc** | Yes | **tbc** | 150 |
| JUNE | Working Party on Pollution and Energy (GRPE) (83rd session) | 1-4 | p.m./a.m. | 6 | Yes | 9.03.2021 | 150 |
| JUNE | Administrative Committee for the Coordination of Work (WP.29/AC.2) (136th session) | 21 | a.m./p.m. | 2 | No |  | 35 |
| JUNE | World Forum for Harmonization of Vehicle Regulations (WP.29) (184th session); Admin. Committee of the 1958 Agreement (AC.1: 78th session);Executive Committee of the 1998 Agreement (AC.3: 62nd session); Admin. Committee of the 1997 Agreement (AC.4: 20th session) | 22-25(2323-2424) | a.m./a.m.(p.m.p.m./a.m.p.m.) | 7 | Yes | 30.03.2021 | 160 |
| SEPTEMBER | Working Party on Noise and Tyres (GRBP) (74th session) | 15-17 | p.m./p.m. | 5 | Yes | 28.6.2021 | 120 |
| SEPTEMBER/ OCTOBER | Working Party on Automated/Autonomous and Connected Vehicles (GRVA) (**11th** session) | 27-01 | p.m./a.m. | 8 | Yes | 6.07.2021 | 150 |
| OCTOBER | Working Party on General Safety Provisions (GRSG) (**122nd** session)  | 12-15 | a.m./a.m. | 7 | Yes | 20.07.2021 | 120 |
| OCTOBER | Working Party on Lighting and Light-Signalling (GRE) (85th session) | 26-29 | a.m./a.m. | 7 | Yes | 3.08.2021 | 120 |
| NOVEMBER | Administrative Committee for the Coordination of Work (WP.29/AC.2) (137th session) | **15** | a.m./p.m. | 2 | No |  | 35 |
| NOVEMBER | World Forum for Harmonization of Vehicle Regulations (WP.29) (185th session); Admin. Committee of the 1958 Agreement (AC.1: 79th session);Executive Committee of the 1998 Agreement (AC.3: 63rd session); Admin. Committee of the 1997 Agreement (AC.4: 21st session)  | **16-19 (1717-19)** | a.m./a.m.a.m.p.m./a.m.p.m./a.m. | 7 | Yes | 21.08.2021 | 160 |
| DECEMBER | Working Party on Passive Safety (GRSP) (70th session) | 6-10 | p.m./a.m. | 8 | Yes | 13.09.2021 | 120 |
|  |  | **TOTAL: 111 half days = 55.5 days** |  |  |  |

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

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

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

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

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

*Note*: Geneva Motor Show has been cancelled for 2021

Annex IV

 Status of the 1998 Agreement of the global registry and of the compendium of candidates[[2]](#footnote-3)\*

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

**GRVA**

| *Item* | *Informal group (Yes–No)/Chair & Vice-Chair* | *Tech. sponsor* | *Formal proposal (ECE/TRANS/WP.29/…)* | *Proposal for a draft UN GTR (ECE/TRANS/WP.29/..)* | *State of play/Comments* |
| --- | --- | --- | --- | --- | --- |
| Amendment 1 to UN GTR No. 8 (ESC) | No | Korea | AC.3/56 | GRVA/2020/34 | GRVA is reviewing the proposal tabled by the expert from Korea. |

**GRSP**

| *Item* | *Informal group (Yes–No)/Chair & Vice-Chair* | *Tech. sponsor* | *Formal proposal (ECE/TRANS/WP.29/)…/* | *Proposal for a draft UN GTR (ECE/TRANS/WP.29/..)* | *State of play/Comments* |
| --- | --- | --- | --- | --- | --- |
| Phase 2 of UN GTR No. 7(Head Restraints) | Yes/UK | Japan | AC.3/25/Rev.1 | [ECE/TRANS/180/Add.7/Amend.1] [ECE/TRANS/180/Add.7/App.1/Amend.1] | AC.3 established Amend.1 to UN GTR No. 7.GRSP is expected to finalize discussion on of a draft Addendum 1 to the M.R.1 at its December 2020 session.  |
| Amendment 3 to UN GTR No. 9 |  | Netherlands | AC.3/31 | GRSP/2012/2 (Final report)GRSP/2014/5 (final text of the Amend.) | At its July 2020 session GRSP recommended Amendment 3 (points of contact of headform impactors) to be voted at the March 2021 session of AC.3. GRSP will continue considering the issue of adjustable suspension systems at its December 2020 session.  |
| Amendment 4 to UN GTR No. 9 |  | Republic of Korea |  | AC.3/45/Rev.12018/162 (ToR) | AC.3 endorsed the ToR of IWG-DPPS (…/2018/162). GRSP will resume consideration on Amendment 4 to the UN GTR to provide the test procedure for deployable systems of the outer surface to ensure an adequate protection of pedestrians at its December 2020 session.  |
| Phase 2 of UN GTR No. 13 (HFCV) |  | Japan, Republic of Korea and the European Union |  | AC.3/492018/75 (ToR) | The ToR of IWG were endorsed at June 2018 session of AC.3 (ECE/TRANS/WP.29/2018/75). The mandate of the IWG was extended until June 2022. |
| UN GTR No. 14 (PSI) | Yes/Australia | Australia | AC.3/28 |  | No new information was provided. |
| UN GTR No. 20 (EVS) – Phase 2 | Yes/USA**/**European Union/Japan/China | European Union/Japan/USA/China | AC.3/50 & Corr.1(authorization to develop Phase 2) |  | GRSP started Phase 2 concerning the long-term research.  |

**GRPE**

| *Item* | *Informal group (Yes–No)/Chair & Vice-Chair* | *Tech. sponsor* | *Formal proposal (ECE/TRANS/WP.29/…)/* | *Proposal for a draft UN GTR (ECE/TRANS/WP.29/..)* | *State of play/Comments* |
| --- | --- | --- | --- | --- | --- |
| Amend. 4 to UN GTR No. 2 (WMTC) | Yes/European Union(EPPR) | European Union | AC.3/36/Rev.1 (based on 2015/113) |  | AC.3 adopted the Amend. 4 at its November 2019 session. |
| [Amend. 6] to UN GTR No. 15 (WLTP) | Yes/Netherlands(WLTP) | European Union/Japan | AC.3/44 (based on 2016/73) |  | AC.3 adopted during the November 2020 session. |
| [Amend. 1] to UN GTR No. 18 (OBD for L-cat) | Yes/European Union(EPPR) | European Union | AC.3/36/Rev.1 (based on 2015/113) |  | AC.3 adopted during the November 2020 session. |
| Amend 3 to UN GTR No. 19 (WLTP EVAP) | YesNetherlands(WLTP) | European Union/Japan | AC.3/44 (based on 2016/73) |  | AC.3 adopted the Amend. 3 at its June 2020 session |
| UN GTR No. [XX] on the Determination of Electrified Vehicle Power (DEVP) | Yes/USA/ China/ Japan | Canada/China/European Union/Japan/USA | AC.3/53/Rev.1 |  | AC.3 adopted during the November 2020 session. |
| UN GTR No. [XX] on Global Real Driving Emissions (RDE) | Yes/European Union/ Japan/Rep. of Korea | European Union/ Japan/Rep. of Korea | AC.3/54 |  | AC.3/51 amended by AC.3/54; UN GTR expected at AC.3 in [June 2021] |
| UN GTR No. [XX] on in-vehicle battery durability | Yes/USA/ China/ Japan | Canada/China/European Union/Japan/USA | AC.3/57 |  | AC.3/57 adopted by AC.3 at its June 2020 session |

**GRBP**

| *Item* | *Informal group (Yes–No)/Chair & Vice-Chair* | *Tech. sponsor* | *Formal proposal (ECE/TRANS/WP.29/…)/* | *Proposal for a draft UN GTR (ECE/TRANS/WP.29/...)* | *State of play/Comments* |
| --- | --- | --- | --- | --- | --- |
| Quiet Road Transport Vehicle | Yes/USA**/**Japan | European Union/Japan/ USA | AC.3/33(Including ToR) |  | AC.3 expects a progress report of the IWG on QRTV  |

**GRSG**

| *Item* | *Informal group (Yes–No)/Chair & Vice-Chair* | *Tech. sponsor* | *Formal proposal (ECE/TRANS/WP.29/…)/* | *Proposal for a draft UN GTR (ECE/TRANS/WP.29/...)* | *State of play/Comments* |
| --- | --- | --- | --- | --- | --- |
| 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**

| *Working Party* | *Item* | *Inf. group (Yes–No)/Chair & Vice-Chair* | *Tech. sponsor* | *Formal proposal ECE/TRANS/WP.29/...* | *State of play.*  |
| --- | --- | --- | --- | --- | --- |
| 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 on priorities for work on new technologies including automated driving functionalities, in-vehicle communications, cyber security and data protection took place under AC.2 (para. XX of the report) |

1. IWG Co-Chairs [↑](#footnote-ref-2)
2. \* Information on the contracting parties (38), the Global Registry and the Compendium of Candidates are in document ECE/TRANS/WP.29/1073/Rev.26. [↑](#footnote-ref-3)