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|  | United Nations | ECE/TRANS/WP.29/2019/31/Rev.1 | |
| _unlogo | **Economic and Social Council** | | Distr.: General  25 June 2019  English only |

**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations**

**178th session**

Geneva, 25-28 June 2019

Item 18 of the provisional agenda

**Exchange of information on new priorities  
to be incuded in the programme of work**

**Draft programme of work (PoW) under the 1998 Agreement**

**Note by the secretariat** [[1]](#footnote-2)\*

This document reproduces the feedback of working groups and Contracting Party representatives after the fifty-fith session of the Executive Committee of the 1998 Agreement (AC.3) (ECE/TRANS/WP.29/1145, paras. 156 and 158). It is based on ECE/TRANS/WP.29/2019/31 as amended by para. 48 of ECE/TRANS/WP.29/1145. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to AC.3 for consideration at their June 2019 sessions.

Draft programme of work (PoW) under the 1998 Agreement

| *Ia. Existing UN GTRs - High priority* | | | | |  | |  | |  | |  | |  | |
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| *UN GTR* | *Title* | *GR* | *Version* | | *Reason* | | *Organsiation of work* | | *Reference documents* | | *Expected time needed to finalise* | | *Status* | |
| **UN GTR No. 3** | **Motorcycle brake systems** | **GRVA** | Amendment 3 | | Reflect UN Reg. No. 78 | | IWG: None Sponsor: Italy | | AC.3/47 | | March 2018 | | GRVA is expected to resume discussion on this item at its September 2018 session | |
| **UN GTR No. 7** | **Head restraints** | **GRSP** | Phase 2 | | Amend UN Reg. No. 17 (in parallel) | | IWG: Yes (UK) Sponsor: Japan | | AC.3/25/Rev. 1 GRSP/2015/34 | | June 2019 | | GRSP is expected to resume discussion on new proposals at its December 2018 session. | |
| **UN GTR No. 9** | **Pedestrian safety** | **GRSP** | Phase 2 | | Improve harmonisation, increase safety | | IWG: Yes (Germany, Japan) Sponsor: Germany, Japan | | AC.3/24 GRSP/2018/2 | | December 2018 | | The official proposal will be submitted at the November 2018 session of AC3. | |
| Amendment 3 | | Reflect UN Reg. No. 127 | | IWG: No  Sponsor: Netherlands | | AC.3/31 GRSP/2012/2 GRSP/2014/5 | |  | | GRSP will consider a proposal concerning points of contact of headform impactors addressing the Phase 2 of the UN GTR. | |
|  | | | | Amendment 4 | |  | | IWG: Yes (Korea)  Sponsor: Korea | | AC.3/45/Rev. 1 | | November 2018 | | GRSP will resume consideration on possible proposal of amendment to the UN GTR to provide the test procedure for deployable systems of the outer surface to ensure an adequate protection of pedestrians. |
| **UN GTR No. 11** | **Test procedure for pollutant emissions in CI engines in tractors & NRMM** | **GRPE** |  | | Reflect amendments of UN Reg. No.96 | |  | |  | |  | | Work expected to start in 2018, after amendment of UN Reg. No. 96 which is adapted to the new EU Regulation on NRMM (Stage V) | |
| **UN GTR No. 13** | **GTR on Hydrogen & fuel cell vehicles** | **GRSP** | Phase 2 | | Reflect UN Reg. No. 134 | | IWG: Yes  Chair ;USAJAPAN  Vice-Chair: Korea, China  Sponsor: EU, Japan, Korea, China | | AC.3/49 | | End of 2020 | | A proposal of authorization to develop the Phase 2 of the UN GTR was adopted by AC.3 at its March 2017 session. | |
| **UN GTR No. 15** | **World harmonised light vehicle test procedures (WLTP)** | **GRPE** | Amendment 4 | | Reflect EU legislation on WLTP | | IWG: Yes (Netherlands)  Sponsor: Japan, EU | | AC.3/44  WP.29/2018/71 | | December 2019 | | The official proposal was adopted by AC.3 at its June 2018 session. | |
| **UN GTR No. 16** | **Tyres** | **GRBP** | Amendment 2 | |  | | IWG: Yes (Russia) Sponsor: Russia | | AC.3/48 | | November 2018 | | GRB[P] is expected to resume discussion on this item at its September 2018 session | |
| **UN GTR No. 19** | **Evaporative emissions in passenger cars (WLTP EVAP)** | **GRPE** | Amendment 1 | | Reflect EU legislation on WLTP | | IWG: Yes (Netherlands) Sponsor: Japan, EU. | | AC.3/44  WP.29/2018/73  WP.29/2018/73/Add.1 | | December 2019 | | The official proposal was adopted by AC.3 at its June 2018 session. | |
| **UN GTR No. 20** | **Electrical Vehicle Safety (EVS)** | **GRSP** | Phase 2 | |  | | IWG: Yes (USA) Sponsor: China, Japan, USA, EU | | AC.3/50  AC.3/50/Corr.1 | | End of 2021 | | New UN GTR(Phase 1 of EVS) adopted at WP.29 March 2018 session.  AC.3 endorsed the authorization to develop Phase 2 of the UN GTR at its March 2018 session. | |
| **UN GTR No. [x]** | **Real Driving Emissions (RDE)** | **GRPE** |  | |  | | IWG: Yes  Chair ;EU Vice-Chair: Japan, Korea  Sponsors: EU, Japan, Korea | | AC.3/51 | | [November 2019] | | AC.3 endorsed the authorization to develop the UN GTR at its June 2018 session. | |

| *Ib . Existing GTRs - Low priority* | | | |  |  |  |  |  |
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| *UN GTR* | *Title* | *GR* | *Version* | *Reason* | *Organsiation of work* | *Reference documents* | *Expected time needed to finalise\** | *Status* |
| **UN GTR No 2** | **Measurement procedures for 2-wheelers (WMTC)** | **GRPE** | Amendment 4 |  | IWG: EPPR (EU) Sponsor: EU | AC.3/36/ Rev.1 | 2019 | The official proposal would be submitted for consideration at the GRPE session in January 2019. |
| **UN GTR No. 4** | **Test procedure gas-fuelled engines (WHDC)** | **GRPE** | Amendment 4 |  |  |  |  | "There is need for extra validation of methodology regarding hybrids" - Please check |
| **UN GTR No. 6** | **Safety glazing materials vehicles & veh equipment** | **GRSG** | Amendment 2 |  | IWG: Yes (Korea) Sponsor: Korea | AC.3/41 | June 2018 | AC.3 extended the mandate of the IWG on PSG until April 2020. On 15 November 2017, AC.3 established in the Global Registry Corrigendum 2 to UN GTR No. 6 (clarifying the scope). |
| **UN GTRNo. 15** | **World harmonised light vehicle test procedures (WLTP)** | **GRPE** | n/a | Reflect EU legislation on WLTP | IWG: EVE (USA, Japan, China) Sponsor: Canada, China, Japan, USA, EU | AC.3/46 | November 2019 | GRPE was informed about the ongoing work by the IWG on EVE as part B of the mandate. |
| **UN GTR No. [x2]** | **Quiet Road Transport Vehicles (QRTV)** | **GRBP** |  | Reflect UN Reg No. 138 | IWG: Yes (USA); Vice-Chair: Japan Secretariat: EC | AC.3/33 |  | Informal group restarted in May 2018. |

| *Ic. Existing GTRs - No activities identified for PoW* | | | | |  |  |  |
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| *UN GTR* | *Title* | *GR* | *Version* | *Reason* | *Organsiation of work* | *Reference documents* | *Status* |
| **UN GTR No. 5** | **Technical requirements for OBD systems** | **GRPE** |  |  |  |  |  |
| **UN GTR No. 8** | **Electronic stability control** | **GRVA** |  |  |  |  |  |
| **UN GTR No. 10** | **Off-cycle emissions (OTC)** | **GRPE** |  |  |  |  |  |
| **UN GTR No. 12** | **Motorcycle controls, tell-tales & indicators** | **GRSG** |  |  |  |  |  |
| **UN GTR No. 14** | **Pole side impact (PSI)** | **GRSP** |  |  | IWG: Yes (Australia) Sponsor: Australia |  | No new information was provided at the March 2016 session of AC.3. |
| **UN GTR No. 17** | **Crankcase and evaporative emissions of 2 or 3-wheeled motor vehicles** | **GRPE** |  |  |  |  | Still to be notified! |
| **UN GTR No. 18** | **On-board diagnostics (OBD) for 2 or 3-wheeled motor vehicles** | **GRPE** |  |  |  |  | Still to be notified! |

| *Id.* *Work priorities related to automated and connected vehicles* | | | |
| --- | --- | --- | --- |
| *Title* | *Allocation to* | *Main targets* | *Comments* |
| Framework document on automated /autonomous vehicles | 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. |
| Functional Requirements for automated / autonomous vehicles | GRVA | Automated / Autonomous vehicles | This work item should cover the functional requirements for the combination of the different functions for driving: longitudinal control (acceleration, braking, road speed), lateral control (lane discipline), environment monitoring (headway, side, rear), minimum risk manoeuvre, transition demand, HMI (internal and external) and driver monitoring.  This work item should also cover the requirements for Functional Safety. |
| New assessment / Test method | GRVA | Automated / Autonomous vehicles | Multi-pillar concept: Audit, simulation, electronic system compliance, digital identity, test track, real world driving evaluation.  This work item should also cover the assessment of Functional Safety. |
| Cyber security | GRVA | Conventional and Automated / Autonomous vehicles | Work of Task Force on Cyber Security and (OTA) software updates (TF CS/OTA) ongoing.  Draft recommendations on legislative approach and draft Regulation delivered to GRVA. |
| (Over-the-Air) Software updates | GRVA | Conventional and Automated / Autonomous vehicles | Work of Task Force on Cyber Security and (OTA) software updates (TF CS/OTA) ongoing.  Draft recommendations on legislative approach and draft Regulation delivered to GRVA. |
| Event Data Recorder (EDR) | GRSG | Conventional and Automated / Autonomous vehicles | Existing systems - as road safety measure (e.g. accident recoding). |
| Data Storage System for Automated Driving vehicles (DSSAD) | First: GRVA  Later: GRSG (in coordination with GRVA) | Automated / Autonomous vehicles | DSSAD are for autonomous vehicles (e.g. accident recoding). This work item should take into consideration of the discussion at GRVA and its Informal Working Group on Automatically Commended Steering Function (IWG on ACSF).  Clear objectives, deadline and the identification of differences with EDR to be determined first before discussion on detailed data information. |

1. \* In accordance with the programme of work of the Inland Transport Committee for 2018–2019 (ECE/TRANS/274, para. 123 and ECE/TRANS/2018/21/Add.1, cluster 3.1), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate. [↑](#footnote-ref-2)