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World Forum for Harmonization of Vehicle Regulations

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Item 17 of the provisional agenda

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

Draft programme of work (PoW) under the 1998 Agreement

Note by the secretariat *

This document reproduces the feedback of working groups and Contracting Party representatives after the fifty-fourth session of the Executive Committee of the 1998 Agreement (AC.3) (ECE/TRANS/WP.29/1142, paras. 181 and 182). It is based on ECE/TRANS/WP.29/2018/164 and WP.29-176-28. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to AC.3 for consideration at their March 2019 sessions.

* 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.

Draft programme of work (PoW) under the 1998 Agreement

Ia. Existing UN GTRs - High priority

<i>UN GTR</i>	<i>Title</i>	<i>GR</i>	<i>Version</i>	<i>Reason</i>	<i>Organsiation of work</i>	<i>Reference documents</i>	<i>Expected time needed to finalise</i>	<i>Status</i>
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)

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UN GTR No. 13	GTR on Hydrogen & fuel cell vehicles	GRSP	Phase 2	Reflect UN Reg. No. 134	IWG: Yes Chair ;USA JAPAN 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.

Ia. Existing UN GTRs - High priority

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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 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 GTR No. 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

<i>UN GTR</i>	<i>Title</i>	<i>GR</i>	<i>Version</i>	<i>Reason</i>	<i>Organsiation of work</i>	<i>Reference documents</i>	<i>Status</i>
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	Motorecycle 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

<i>Title</i>	<i>Allocation to</i>	<i>Main targets</i>	<i>Comments</i>
Framework document on automated /autonomous vehicles	GRVA	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.
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