Note by the secretariat

Informal document **GRVA-10-02**
10th GRVA, 25-28 May 2021
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Proposal for amendments to Table 1 in ECE/TRANS/WP.29/2019/34/Rev.2

Table 1
Detailed WP.29 work priorities related to automated/autonomous vehicles

Title	*Description of work / ECE/TRANS/WP.29/2019/2*	*Corresponding principles/elements*	*Allocation to*	*Main targets*	*Activities*		*Deliverable/ Deadline for submission to WP29*
					Current activities	*Future Activities*	
Functional Requirements for automated/ autonomous vehicles)	This work item should cover the functional requirements for the combination of the different functions for driving: longitudinal control (acceleration, braking and 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.	a. System safety b. Failsafe Response c. HMI /Operator information d. OEDR (Functional Requirements) e. Operational Design Domain	GRVA/ FRAV informal group	Automated / Autonomous vehicles	Identification and definition of high-level performance requirements for ADS High-level definition of safety of ADS and mandatory manufacturer description of ADS	Draft initial WP.29 guidelines for ADS safety requirements based on "current activities" including the requirements on motorway use case. Proposal for WP.29 guidelines on ADS safety requirements	March 2021 March 2021 GRVA of September 2021 for delivery to WP.29 of November 2021 (information) / March 2022 (endorsement) GRVA of February 2022 for delivery to WP.29 of March 2022 (information)/ June 2022 (endorsement)

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Title	*Description of work / ECE/TRANS/WP.29/2019/2*	*Corresponding principles/elements*	*Allocation to*	*Main targets*	*Activities*		*Deliverable/ Deadline for submission to WP29*
					Current activities	*Future Activities*	
New assessment / Test method	Multi-pillar concept: Audit, simulation, electronic system compliance, digital identity, test track, real world driving evaluation., in-use monitoring, use of scenarios.	b. Failsafe Response (Assessment Method) c. HMI /Operator information (Assessment Method) d. OEDR (Assessment Method) e. Operational Design Domain (Assessment Method) f. Validation for System Safety	GRVA/ VMAD informal group	Automated / Autonomous vehicles	Description of New assessment /Test method (NATM) process/procedures for the assessment of an ADS	Second iteration of WP29 guidelines for NATM addressing the "outstanding issues" identified by VMAD and the evaluation of NATM for the motorway use-case WP29 guidelines for NATM including outcome of "outstanding issues" and translation of FRAV requirements	March 2021 GRVA of September 2021 for delivery to WP.29 of November 2021 (information) / March 2022 (endorsement) GRVA of February 2022 for delivery to WP.29 of March 2022
Cyber security and (Over-the-Air) Software updates	Work of Task Force on Cyber Security and (OTA) software updates (TF CS/OTA) ongoing. Draft recommendations on the approach (based on draft technical requirements).	g. Cybersecurity h. Software Updates	GRVA Cyber/soft ware update informal group	Conventional and Automated / Autonomous vehicles	Review of draft set of technical requirements for 1998 CPs		November 2021
Data Storage System for Automated Driving vehicles (DSSAD)	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	i. EDR/DSSAD	GRVA EDR/DSSAD informal group	Automated / Autonomous vehicles		DSSAD requirements (To be updated by GRVA in May 2021)	November 2022

Title	*Description of work / ECE/TRANS/WP.29/2019/2*	*Corresponding principles/elements*	*Allocation to*	*Main targets*	*Activities*		*Deliverable/ Deadline for submission to WP29*
					Current activities	*Future Activities*	
	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.						
Event Data Recorder (EDR)	Existing systems - as road safety measure (e.g. accident recoding).	i. EDR/DSSAD	GRSG In coordination with GRVA EDR/DSSAD informal group	Conventional and Automated / Autonomous vehicles		Technical requirements on EDR. (To be updated by GRVA in May 2021)	November 2021