

Proposal for amendments to the Framework Document on Automated Vehicles

Table below contains the proposed amendment to the Framework Document based on the outcome of the discussions at AC.2 regarding the post 2024 regulatory activities on ADS.

The proposed amendments to add the activities “UN Regulations and UN GTRs amendments related to their adaptation to automated driving” and “ADS vehicle categorization or sub categorization” were copied and added from the proposal from France to amend the framework document.

Table 1 in ECE/TRANS/WP.29/2019/34/Rev.2, as modified by ECE/TRANS/WP.29/2021/151 and ECE/TRANS/WP.29/2023/43, amend to read:

Title	Description of work (including elements taken from ECE/TRANS/WP.29/2019/2)	Corresponding principles/elements	Allocation to	Main targets	Activities		Deliverable/ Deadline for submission to WP29	
					Current activities	Future Activities		
Automated Driving Systems (ADS)	Work on regulatory activities for Automated Driving Systems, based on the deliverables from FRAV and VMAD as mandated by WP.29 including the joint FRAV-VMAD integrated document		GRVA Informal Working Group on ADS (IWG on ADS)	Automated Driving Systems	Drafting regulatory text on ADS for the use under the 1958 and 1998 Agreements (purpose, scope, definition, general requirements, performance requirements, test procedures)	Combining the draft regulatory text, the specific administrative provisions and annexes for a - UN GTR on ADS and - UN Regulation on ADS	June 2026: UN GTR on ADS UN Regulation on ADS	
			GRVA workshops (4 times per year)		Drafting of administrative provisions and annexes needed for a UN Global Technical Regulation (Task 1)			
					Drafting of administrative provisions and annexes needed for a UN Regulation (Task 2)		Nov. 2026	
					Drafting and preparing a guiding/ interpretation document (for both Agreements) (Task 3)	Guiding/ interpretation document	Guiding/ interpretation document	

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					Current activities	Future Activities	
UN and GTR amendment related to their adaptation to automated driving	Following the work in 2022/2023 of screening of UN and GTRs (ECE/TRANS/WP.29/2023/86), adaptation of identified UN and GTRs to automated driving		All GRs, based on their respective expert group on regulatory fitness for ADS	Automated/A utonomous vehicles	Drafting amendments to UN and GTRs identified as priority in ECE/TRANS/WP.29/2023/86	Drafting amendments to UN and GTRs identified as non priority in ECE/TRANS/WP.29/2023/86	Timeline expected to be presented at the March 2024 WP.29
ADS vehicle categorization or sub categorization	Determining if new categories or new sub-categories are necessary to address AD vehicle specificities		GRSG and GRVA dedicated joint expert group	Automated/A utonomous vehicles	RE3 and SR1 to be adapted if necessary		[mid 2024]
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/software update informal group	Conventional and Automated / Autonomous vehicles	Maintain the official documents regarding UNR 155 and UNR 156 and the recommendations on uniform provisions document. Provide opportunities for sharing of knowledge, experience and ideas from implementation of national regulation/standards regarding CS/OTA as well as UN Regulations Nos. 155 and 156.	Develop deliverables regarding recommendations for SW updates after registration and address items passed by GRVA.	November 2024

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					Current activities	Future Activities	
Data Storage System for Automated Driving vehicles (DSSAD)		i. EDR/DSSAD	GRVA EDR/DSSAD informal group	Automated / Autonomous vehicles	DSSAD performance elements for ADS		June 2024
Event Data Recorder (EDR)	Existing systems - as road safety measure (e.g. accident recording).	i. EDR/DSSAD	GRSG GRSG (<u>in cooperation with GRVA in collaboration with GRVA</u>) EDR/DSSAD informal group	All vehicles ADS	<u>EDR Step 2: Consideration of amendment to Step #1 requirements with respect to additional data elements, durability considerations including potential fire resistance, potential test procedures and consideration of new triggering criteria (e.g. “jerk”).</u> <u>EDR Step 2: Consideration of additional technical requirements to current UN Regulation regarding trucks and buses</u>	Update EDR documents as necessary	March 2025 June 2024 November 2024