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## Economic Commission for Europe

### Inland Transport Committee

### World Forum for Harmonization of Vehicle Regulations

#### 192nd session

Geneva, 5-8 March 2024

Item 2.3 of the provisional agenda

#### Coordination and organization of work:

#### Intelligent Transport Systems and

#### coordination of automated vehicles related activities

## Proposal for amendments to Table 1 in the Framework Document on automated/autonomous vehicles

### Note by the secretariat\*

The text reproduced below is based on informal document WP.29-191-31, which was considered by the World Forum for Harmonization of Vehicle Regulations (WP.29) at its November 2023 session. This document proposes amendments to 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. It is prepared upon request by the World Forum (ECE/TRANS/WP.29/1175, para. 49) and is submitted for adoption.

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\* In accordance with the programme of work of the Inland Transport Committee for 2024 as outlined in proposed programme budget for 2024 (A/78/6 (Sect. 20), table 20.5), 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.



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

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		

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					Current activities	Future Activities	
					needed for a UN Regulation (Task 2)	Guiding/ interpretation document	Nov. 2026 Guiding/ interpretation document
					Drafting and preparing a guiding/ interpretation document (for both Agreements) (Task 3)		
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 Driving Systems	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 Driving Systems	R.E.3 and S.R.1 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 vehicles and Automated Driving Systems	Maintain the official documents regarding UNR 155 and UNR 156 and the recommendations on uniform provisions document. Provide opportunities for sharing of knowledge,	Develop deliverables regarding recommendations for software updates after registration and address items passed by GRVA.	November 2024

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					Current activities	Future Activities	
					experience and ideas from implementation of national regulation/standards regarding CS/OTA as well as UN Regulations Nos. 155 and 156.		
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 (in cooperation with GRVA)  EDR/DSSAD informal group	All vehicles  ADS	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").	Update EDR documents as necessary	March 2025  November 2024