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|  | United Nations | ECE/TRANS/WP.29/2024/33 |
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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[[1]](#footnote-2)\***

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](https://undocs.org/ECE/TRANS/WP.29/2019/34/REV.2), as modified by [ECE/TRANS/WP.29/2021/151](https://unece.org/transport/documents/2021/09/working-documents/secretariat-proposal-updated-table-1-framework) and E[CE/TRANS/WP.29/2023/43](https://unece.org/transport/documents/2022/12/working-documents/secretariat-proposal-updated-table-1-framework). It is prepared upon request by the World Forum (ECE/TRANS/WP.29/1175, para. 49) and is submitted for adoption.

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  |  | GRVAInformal Working Group on ADS(IWG on ADS)GRVA workshops(4 times per year) | 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)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)Drafting and preparing a guiding/ interpretation document (for both Agreements) (Task 3) | Combining the draft regulatory text, the specific administrative provisions and annexes for a- UN GTR on ADS and- UN Regulation on ADSGuiding/ interpretation document | June 2026:UN GTR on ADSUN Regulation on ADSNov. 2026Guiding/interpretation document |
| 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. Cybersecurityh. Software Updates | GRVACyber/soft-ware 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, 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 software updates after registration and address items passed by GRVA. | November 2024 |
| 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 | GRSGGRSG (in cooperation with GRVA)EDR/DSSAD informal group | All vehiclesADS | 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 2025November 2024 |

1. \* 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. [↑](#footnote-ref-2)