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**Economic Commission for Europe****Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****193rd session**

Geneva, 25-28 June 2024

Item 17.8. of the provisional agenda

**Progress on the development of new UN GTRs and of amendments to established UN GTRs:****Proposal for a draft UN GTR on Automated Driving System.****Authorization to develop a new UN GTR on Automated Driving Systems****Submitted by the representatives of Canada, China, the European Union, Japan, the United Kingdom of Great Britain and Northern Ireland and the United States of America\***

The text reproduced below was prepared by the representatives of the Canada, China, the European Union, Japan, the United Kingdom of Great Britain and Northern Ireland and the United States of America. It was adopted by the Executive Committee (AC.3) of the 1998 Agreement at its March 2024 session. The authorization is transmitted to the Working Party on Automated/Autonomous and Connected Vehicles (GRVA). This document shall be appended to the UN GTR in accordance with the provisions of paragraphs 6.3.4.2., 6.3.7. and 6.4. of the 1998 Agreement.

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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/77/6 (Sect.20), para 21.6), 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.



## **I. Mandate and objectives**

1. The Informal Working Group on Automated Driving Systems, under the supervision of the Working Party on Automated/Autonomous and Connected Vehicles (GRVA), will develop a regulatory text for the use under the 1958 and 1998 Agreements (purpose, scope, definition, general requirements, performance requirements, test procedures), derived from the specific provisions and annexes received from the June 2024 Functional Requirements for Automated Vehicles (FRAV) - Validation Method for Automated Driving (VMAD) Informal Working Groups Integrated Document under GRVA and workshops for the generation of the draft UN Global Technical Regulation on ADS. (For more details, see ECE/TRANS/WP.29/1175, para. 49.)

## **II. Introduction**

2. The Working Party on Automated/Autonomous and Connected Vehicles (GRVA) worked under the Framework Document on Automated Vehicles since June 2019 and developed guidance documents. GRVA reflected, in September 2023, on the next steps that would follow the pre-regulatory phase and consulted subsequently the World Forum for Harmonization of Vehicle Regulations (WP.29) and its Administrative Committee on the Coordination of Work (AC.2)

3. At its 191st session in November 2023, WP.29 adopted a new working structure with (i) a new Informal Working Group on Automated Driving Systems and (ii) GRVA workshops to launch and to undertake the work on regulatory activities for such systems. This follows up the activities of the two IWGs Functional Requirements for Automated and Autonomous Vehicles (FRAV) and Validation Methods for Automated Driving (VMAD) and their joint deliverable, the FRAV-VMAD integrated document (GRVA-18-50).

## **III. Areas of work**

4. The IWG on ADS shall:

(a) Work according to the principles outlined in the Framework Document ECE/TRANS/WP.29/2019/34/Rev.2, as modified by ECE/TRANS/WP.29/2021/151, ECE/TRANS/WP.29/2023/43 and ECE/TRANS/WP.29/2024/33;

(b) Draft a regulatory text on ADS for the use under the 1958 and 1998 Agreements (purpose, scope, definition, general requirements, performance requirements, test procedures);

(c) Combine the draft regulatory text with the specific administrative provisions and annexes for the generation of the draft UN Global Technical Regulation on ADS and the draft UN Regulation on ADS;

(d) Submit a draft regulatory proposal for a Global Technical Regulation on ADS (as well as prepare a similar draft regulatory proposal for a UN Regulation on ADS);

(e) Develop the statement of technical rationale and justification section.

## **IV. Existing regulations**

5. The IWG does not benefit from existing global regulations nor regulations established in the Compendium of Regulations of the 1998 Agreement but will build on guidelines and recommendations for ADS safety requirements, assessments and test methods to inform regulatory development produced by GRVA and its IWGs on FRAV and VMAD.

## **V. Timeline**

6. The timelines proposed below for the new mandate are target timelines. The plan will be regularly reviewed and updated to reflect progress and feasibility of the timeline.

(a) The IWG leadership shall start with a kick-off meeting in March 2024 to agree on the administrative elements, to draft a proposal for activities and timeline for the IWG on ADS including discussion on the GRVA workshops.

(b) The IWG shall deliver draft proposals for a Global Technical Regulation on ADS and a UN Regulation on ADS for the January 2026 session of GRVA.

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