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Progress on the development of new UN GTRs and of amendments to established UN GTRs:

Proposal for a draft UN GTR on Acceleration

Control for Pedal Error (ACPE)

Authorization to develop a new UN GTR on Acceleration Control for Pedal Error (ACPE)

Submitted by the representatives of Canada, Germany, Japan, the Republic of Korea and the United States of America

The text reproduced below was prepared by the representatives of Canada, Germany, Japan, the Republic of Korea and the United States of America, based on ECE/TRANS/WP.29/2024/167 as amended by informal document WP.29-194-26. It was adopted by the Executive Committee (AC.3) of the 1998 Agreement at its November 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.

I. Mandate and objectives

1. Under the framework of the 1998 Agreement, the main objective of this approved proposal was to prepare a new UN Global Technical Regulation on Acceleration Control for Pedal Error (ACPE) in the Informal Working Group on ACPE that would work under the auspices of GRVA for the purpose of developing requirements regarding the mitigation of unintended accelerations resulting from the misapplication of the accelerator control of light duty vehicles based on globally harmonized traffic conditions and boundaries.

II. Introduction

2. In recent years, with the aging of society and the electrification of automobiles, there has been growing concern about the risk of traffic accidents due to driver's misapplication of pedals.

3. At fifteenth session of GRVA in January 2023, GRVA agreed to set up an IWG to study the requirements for ACPE and adopted the Terms of References (ToR) and Rules of Procedures for the IWG on ACPE. And WP.29 at its 189th session in March 2023 endorsed the establishment of the IWG on ACPE, and then WP.29 in June 2024 endorsed the revision of the ToR. According to paragraph A.9 in the ToR, it is stated that, after completing 01 series of amendments of the UN Regulation on ACPE, the IWG would develop a Global Technical Regulation compatible with the 1998 Agreement for consideration and possible adoption by the 1998 Agreement.

4. The IWG on ACPE had submitted a draft for a new UN Regulation on ACPE, which was adopted by GRVA at its nineteenth session and was in the process of discussing a new series of amendments for agreement at GRVA in January 2025.

5. At the nineteenth session of GRVA in May 2024, some Contracting Parties of the 1998 Agreement requested to seek the development of a UN GTR for this matter. GRVA agreed for Contracting Parties of the 1998 Agreement to request an authorization to develop a new UN GTR at the November sessions of WP.29 in 2024.

6. It is therefore appropriate to consider harmonization of approaches and work on the development of a UN GTR on ACPE.

7. In order to develop a proposal for a UN GTR, the IWG on ACPE will need to start the discussion.

III. Areas of work

8. The group shall focus its work in the following areas:

A. Finalize a draft of UN Regulation on Acceleration Control for Pedal Error (ACPE)

9. Currently, the IWG on ACPE is discussing requirements for the 01 series of amendments of the UN Regulation on ACPE. In order to start the discussion for a UN GTR without complications, the IWG needs to finalize the discussions on the amendments to the UN Regulation, with the expected timeline for endorsement by GRVA being in January 2025.

B. Reviewing the UN Regulation on ACPE

10. The IWG on ACPE needs to review the UN Regulation on ACPE to check that it can be applied to the situation in Contracting Parties to the 1998 Agreement.

11. After reviewing it and if necessary, the IWG will modify the UN Regulation and add the necessary provisions for a new draft UN GTR on ACPE.

C. Finalizing a draft UN GTR on ACPE

12. After finalizing tasks above, the IWG on ACPE should prepare a draft UN GTR on ACPE for submission to AC.3 for adoption.

IV. Existing regulations

13. Because this is a new area of concern, there are no known regulations to reference at this time. However IWG has already established a new UN Regulation of ACPE and is now developing 01 series of amendments and expects to finalise it in January 2025. Therefore, this UN Regulation will be considered during development of the new UN GTR.

V. Timeline

14. The timelines below are target timelines. The plan will be regularly reviewed and updated to reflect progress and feasibility of the timeline:

- (1) **November 2024:** Authorization to develop a UN GTR on ACPE by AC.3
 - (2) **January 2025:** Finalizing the discussion of 01 series of amendments to UN Regulation on ACPE for endorsement by GRVA
 - (3) **After (2)-January 2026:** meetings of IWG for discussion of UN GTR
 - (4) **May 2026:** Draft UN GTR available as an informal document, guidance on any open issues by GRVA;
 - (5) **September 2026:** Final discussion and approval of the draft UN GTR by GRVA;
 - (6) **March 2027:** Aim for endorsement by AC.3 of the draft UN GTR based on a working document by GRVA
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