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Working Party on Passive Safety

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Item 20 of the provisional agenda

Collective amendments to UN Regulations that impact automated vehicles

Proposal for supplement 1 to the 01 series of amendments to UN Regulation No. 153 (Fuel system integrity and electric power train safety at rear-end collision)

Submitted by the expert from Germany on behalf of the GRSP Task Force on Automated Vehicles Regulation Screening (TF-AVRS) *

The text reproduced below was prepared by the expert from Germany on behalf of TF-AVRS, to enable the application of the regulation to vehicles equipped with an Automated Driving System (ADS). The modifications to the existing text of the UN Regulation are marked in bold for new or strikethrough for deleted characters. This document is superseding informal document GRSP-77-71.

* In accordance with the programme of work of the Inland Transport Committee for 2025 as outlined in proposed programme budget for 2025 (A/79/6 (Sect. 20), table 20.6), 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. Proposal

Insert a new paragraph 0., to read:

- “0. Introduction
- 0.1. For supplement 1 to the 01 series of amendments:
 - 0.1.1. The Regulation is amended to account for vehicles of category X¹ and Y¹.
 - 0.1.2. The Regulation was originally drafted for vehicles with driver and manual driving controls. It is the intention of this new amendment to keep the spirit of the regulation and to extend its application to vehicles without driver and without manual driving controls inside the vehicle. In the absence of driver/manual driving controls in the vehicle, provisions related to them shall not be taken into account if not already covered by this amendment.
 - 0.1.3. In case of vehicles equipped with an Automated Driving System (ADS)¹ other than vehicles of categories X and Y, in the manual driving mode no special provisions or exemptions apply. In a mode where an ADS feature is active the relevant ADS requirements apply.”

Paragraph 1., footnote 1, amend to read:

- “¹ As defined in the Consolidated Resolution on the Construction of Vehicles (R.E.3.), document ECE/TRANS/WP.29/78/Rev.78, para. 2 - <https://unece.org/transport/vehicle-regulations/wp29/resolutions>”

II. Justification

See paragraph 0. in the proposal.
