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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 10 series of amendments,
for supplement 2 to the 11 series and for supplement 1 to the
12 series of amendments to UN Regulation No. 17 (Strength
of seats, their anchorages and head restraints)**

**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-77-61.

* 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 10 series, supplement 2 of the 11 series and supplement 1 to the 12 series of amendments:
- 0.1.1. The Regulation is amended to account for vehicles of category X¹. Vehicles of category Y¹ are not in the scope of this Regulation.
- 0.1.2. The Regulation was originally drafted for vehicles with driver and manual driving controls and 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 manual driving controls. In the absence of driver/manual driving controls, 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., at the end, add a new paragraph to read:

“ This Regulation does not apply to vehicles of category Y.”

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>”

Annex 14, paragraph 3.1.7.8., amend to read:

“3.1.7.8. The upper legs of the ~~driver~~ dummy shall rest against the seat cushion to the extent permitted by placement of the feet. Adjust the spacing of the legs so that the centreline of the knees and ankles is 200 mm (±10mm) apart and ensure that the knees are level.”

Annex 15, paragraph 1., amend to read:

- “1. Purpose

Procedures for folding or retracting head restraints in all designated seating positions equipped with head restraints, except ~~the~~ a driver’s designated seating position.”

II. Justification

See paragraph 0. in the proposal.
