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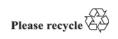
Geneva, 15–19 April 2024 Item 4 (e) of the provisional agenda Awareness of the proximity of Vulnerable Road Users: UN Regulation No. 167 (Vulnerable Road Users Direct Vision)

Proposal for Supplement 2 to the Original Version of UN Regulation No. 167 (Vulnerable Road Users Direct Vision)

Submitted by the expert from the Netherlands*

The text reproduced below was prepared by the expert from the Netherlands, to update the references to the three-dimensional H-point (3-D "H"-point) measurement and calibration procedure, which is updated and moved from the Consolidated Resolution on the Construction of Vehicles (R.E.3) to Mutual Resolution No. 1 (M.R.1). The modifications to the current text of UN Regulation No. 167 are marked in bold for new and strikethrough for deleted characters.

^{*} 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.





I. Proposal

Paragraphs 2.13. to 2.15., amend to read:

- "2.13. "Three-dimensional reference system" means a coordinate system as defined by appendix 2 to Annex 1 of the Consolidated Resolution on the Construction of Vehicles (R.E.3) Addendum 6 of Mutual Resolution No. 1 (M.R.1)¹. In this framework the longitudinal axis of the vehicle is designated the X axis, the lateral axis is the Y axis and the vertical axis is the Z axis.
- 2.14. "H-point Manikin" means a three-dimensional H-Point Machine as defined in Annex 1 of the Consolidated Resolution on the Construction of Vehicles (R.E.3) Addendum 6 of Mutual Resolution No. 1 (M.R.1)¹.
- 2.15. "R-Point" means the seating reference point as defined in Annex 1 of the Consolidated Resolution on the Construction of Vehicles (R.E.3) Addendum 6 of Mutual Resolution No. 1 (M.R.1).1

Paragraph 4.5.1.(a), footnote 1, amend to read:

The distinguishing numbers of the Contracting Parties to the 1958 Agreement are reproduced in Annex 3 to the Consolidated Resolution on the Construction of Vehicles (R.E.3), document ECE/TRANS/WP.29/78/Rev.67 - https://unece.org/transport/standards/transport/vehicle-regulations/wp29/resolutions" https://unece.org/transport/vehicle-regulations/wp29/resolutions"

II. Justification

- 1. Correct the location of R.E.3 on the ECE/WP.29 website and update to the latest amendment (Revision 7) to R.E.3.
- 2. The specifications of the 3-D "H"-point machine have been updated and transferred from R.E.3. to M.R.1. A calibration procedure has also been added to ensure that the 3-D "H" point machine used for all testing in UN Regulations and UN Global Technical Regulations is consistent and provides consistent test results across Regulations.

¹ Addendum 6 of Mutual Resolution No. 1 (M.R.1) (document ECE/TRANS/WP.29/1101/Amend.5); see https://unece.org/transport/vehicle-regulations/wp29/resolutions"