



# Economic and Social Council

Distr.: General  
30 January 2024

Original: English

---

## Economic Commission for Europe

### Inland Transport Committee

### World Forum for Harmonization of Vehicle Regulations

#### Working Party on General Safety Provisions

##### 127th session

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)**<sup>1</sup>. 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)**<sup>1</sup>.
- 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)**<sup>1</sup>.

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

- <sup>1</sup> 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.

---

<sup>1</sup> 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>"