17 November 2022

## Agreement

Concerning the Adoption of Harmonized Technical United Nations Regulations for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these United Nations Regulations\*

(Revision 3, including the amendments which entered into force on 14 September 2017)

Addendum 77 – UN Regulation No. 78

**Revision 1 - Amendment 5** 

Supplement 4 to the 03 series of amendments – Date of entry into force: 8 October 2022

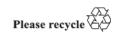
Uniform provisions concerning the approval of vehicles of categories  $L_1, L_2, L_3, L_4$  and  $L_5$  with regard to braking

This document is meant purely as documentation tool. The authentic and legal binding text is: ECE/TRANS/WP.29/2022/49.



## **UNITED NATIONS**

Former titles of the Agreement:
Agreement concerning the Adoption of Uniform Conditions of Approval and Reciprocal Recognition of
Approval for Motor Vehicle Equipment and Parts, done at Geneva on 20 March 1958 (original version);
Agreement concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles,
Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for
Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions, done at Geneva on
5 October 1995 (Revision 2).





Annex 3, paragraph 1.1.3., amend to read:

## "1.1.3. Measurement of PBC:

The PBC is measured as determined by the Type Approval Authority using either:

- (a) An ASTM International (ASTM) E1136-19-standard reference test tyre, in accordance with ASTM Method E1337-19, at a speed of 40 mph; or
- (b) An ASTM International (ASTM) F2493-20 standard reference test tyre, in accordance with ASTM Method E1337-19, at a speed of 40 mph<sup>1</sup>; or
- (c) The method specified in the Appendix 1 to this annex.

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<sup>&</sup>lt;sup>1</sup> In this case, the obtained PBC shall be converted into the equivalent value corresponding to ASTM E1136-19 standard reference test tyre, according to the correlation equation described in ASTM E1337-19."