

## **Proposal to replace document GRBP/2025/15 (Proposal for a new Supplement the 01 series of amendments to UN Regulation No. 108)**

The changes compared to document GRBP/2025/15 are marked in **bold** for added text and **strike through** for deleted text, all in red font.

Additional changes compared to document GRBP/2025/15 proposed by Contracting Parties are marked in **bold** for added text and **strike through** for deleted text, all in blue font.

Additional changes compared to document GRBP-81-11 are marked in **bold** for added text and **strike through** for deleted text, all in purple font.

### **I. Proposal**

*Paragraph 1.1., amend to read:*

- "1.1. Retreaded tyres with a speed category ~~symbol~~ below 120 km/h or **suitable for speed** above 300 km/h;"

*Paragraph 2.3.2., amend to read:*

- "2.3.2. "Snow tyre" means a tyre whose **major features including** tread pattern, ~~tread compound or construction~~ **are** primarily designed to achieve, in mud and/or snow conditions a performance better than that of a normal tyre with regard to its ability to initiate and control vehicle motion."

*Paragraph 2.14., amend to read:*

- "2.14. "Tread ~~pattern~~-groove" means the space between two adjacent ribs **and/or** blocks in the tread pattern;"

*Paragraph 2.21.3.2. (former), renumber as 2.21.3.3.*

*Paragraph 2.21.3.3. (former), renumber as 2.21.3.2.*

*Paragraph 2.21.3.4. (former), renumber as 2.21.3.3.1.*

*Paragraph 2.21.4., amend to read:*

- "2.21.4. **The nominal rim diameter.** ~~A conventional number "d" (the "d" symbol) denoting the nominal rim diameter of the rim and corresponding to its diameter expressed either by codes (numbers below 100) or in millimetres (numbers above 100). Numbers corresponding to both types of measurements may be used in the designation.~~

*Paragraphs 2.22. ~~and 2.26.1.~~, amend to read:*

- "2.22. "Nominal rim diameter-~~(d)~~" means **a conventional number denoting the diameter of the rim on which a tyre is designed to be mounted; the diameter is expressed either by codes (numbers below 100) or in millimetres (numbers above 100) but not both.**

*Paragraph 2.21.4.1. (former), renumber as 2.22.1. and amend to read.*

**"2.21.4.22.1. When the nominal rim diameter ("d" symbol) is expressed by code, the values of the "d" symbol** ~~The values of the "d" symbols for code designated rims expressed in millimetres are shown below as follows:~~

<i>Nominal Rim Diameter Code - "d"</i>	<i>Value of the "d" symbol expressed in mm</i>
8	203
9	229
10	254
11	279
12	305
13	330
14	356
15	381
16	406
17	432
18	457
19	483
20	508
21	533
22	559
23	584
24	610
25	635
26	660
27	686
28	711
29	737
30	762

"

*Paragraph 2.15. (former), renumber as 2.14.1. and amend to read:*

**"2.15.14.1. "Principal grooves"** means the wide circumferential tread grooves positioned in the central zone of the tyre tread, ~~which have the tread wear indicators located in the base~~ **covers about three quarters of the width of the tread surface. The central zone represents is the area on the tread which comprises of 75 per cent of the width of the tread measured width defined by the ¾ (75%) of the reference tread width (C) symmetrically measured from the centre line. The central zone represents is the area on the tread which comprises of 75 per cent of the width of the tread measured width defined by the ¾ (75%) of the reference tread width (C) symmetrically measured from the centre line."**

*Insert a new paragraph 2.14.2., to read:*

**"2.14.2. "Secondary grooves"** means the supplementary tread grooves which may disappear in the course of the tyre's life."

*Insert a new paragraph 2.15., to read:*

**"2.15. "Tread depth"** means the depth of the principal grooves."

*Paragraphs 2.48., 2.55., 3.4.1., 4.1.5.3.2.1., 4.1.5.3.2.2., 4.1.5.3.2.3., 6.6.3.1., 6.6.3.2., 6.6.3.3., 6.6.3.4., replace 'No. [XXX]' with 'No. 172'.*

*Paragraph ~~7.1.1.1.~~ 4.1.5.3.2., amend to read:*

**"4.1.5.3.2. The list of tyres classified as tyres for use in severe snow conditions and/or as traction tyres."**

Paragraph 7.1.1.1., amend to read:

"7.1.1.1. The section width ***S* of a tyre fitted on the measuring rim** shall be calculated by the following formula:

$$S = S_1 + K(A - A_1)$$

$$S = S_1 + K \cdot (A - A_1),$$

**and rounded to the nearest millimetre,**

where:

~~S~~: — is the actual section width in millimetres as measured on the test rim;

~~S~~*S*<sub>1</sub>: is the value of the 'Design Section Width', referred to the measuring rim, as quoted in the International Tyre Standard specified by the retreader for the tyre size in question;

~~A~~*A*: is the width of the test rim in millimetres;

~~A~~*A*<sub>1</sub>: is the width in millimetres of the measuring rim as quoted in the International Tyre Standard specified by the retreader for the tyre size in question.

~~K~~*K*: is a factor and shall be taken to equal 0.4."

Paragraph 7.1.4., amend to read:

"~~6.7.1.4.~~ **Tyre Section overall** width specifications"

## II. Justification

1. Editorial corrections are made in the description of a tyre to which UN Regulation No. 108 does not apply.
2. The snow tyre definition is now aligned to the ones in UN Regulations Nos. 109 and 172.
3. The definition of nominal rim diameter is clarified. **The definition of nominal rim diameter is currently partly under the definition of tyre size designation (2.21.4.) and partly in a separate paragraph (2.22.). It is proposed to put it all in paragraph 2.22. and to refer to this definition in paragraph 2.21.4.**
4. An amendment is proposed for the definition of principal grooves by eliminating the circular reference between this definition and the position of tread wear indicators (**wording loop between former paragraph 2.39.1. and paragraph 6.6.11.1.**). **The case of existing tread patterns without circumferential grooves is also considered. It is also proposed to clarify the meaning of central zone. The rewording is aimed to make the definition of the central zone much clearer.**
5. The definition of tread depth is introduced, which is used in the requirements for special use and professional off-road tyres.
6. An amendment is proposed in paragraph 4.1.5.3.2. to remove the **retreaded** reference to traction tyre classification because it is not applicable to tyre of class C1.
7. The calculation of the tyre section width is clarified. **The current text reads as it is measured while it is calculated.**
8. At every occurrence in the text, the provisional number [XXX] of the adopted UN Regulation concerning the approval of retreaded tyres with regard to their snow performance and/or classification as traction tyre is replaced with the assigned number 172.