

## Proposal for amendment to Regulation No. 30

### (UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR MOTOR VEHICLES AND THEIR TRAILERS)

This proposal was shared with the experts of the informal group on “snow tyres” and shall replace the working document  
ECE/TRANS/WP29/GRRF/2011/13 from ETRTO

#### I. Proposal

*Paragraph 2.1.3.*, amend to read:

"2.1.3. Category of use (~~ordinary (road type) or~~, **normal tyre**, snow tyre, **special use tyre** or ~~for temporary use tyre~~);"

*Insert a new paragraph 2.2.*, to read:

"2.2. **"Normal tyre" means a tyre intended for normal on-road use"**

*Paragraph 2.2.(former)*, renumber as paragraph 2.3. and amend to read:

"2.2.3. **"Snow tyre" means a tyre whose tread pattern and whose, tread compound or structure are is primarily designed to ensure achieve in mud and fresh or melting snow conditions a performance better than that of an ordinary (road-type) tyre. The tread pattern of a snow tyre generally consists of groove (rib) and/or solid block elements more widely spaced than on an ordinary (road-type) a normal tyre ; with regard to its ability to initiate, or maintain vehicle motion."**

*Insert a new paragraph 2.4.*, to read :

"2.4. **"Special use tyre" means a tyre intended for mixed use both on- and off-road or for other special duty. These tyres are primarily designed to initiate and maintain the vehicle in motion in off-road conditions."**

*Insert a new paragraph 2.4.1*, to read:

"2.4.1 **"Professional off-road tyre" is a special use tyre primarily used for service in severe off-road conditions."**

*Paragraphs 2.3.(former) to 2.3.3.*, renumber as paragraph 2.5. to 2.5.3.

*Paragraph 2.3.4.*, renumber as paragraph 2.5.4. and amend to read:

"2.3.5.4 **"Reinforced" or "Extra Load" describes means a pneumatic-tyre structure in which the carcass is designed to carry more resistant load at a higher inflation pressure than that of the load carried by the corresponding standard version tyre; at the standard inflation pressure as specified in ISO 4000-1:2010;"**

*Paragraphs 2.3.5. to 2.3.7.*, renumber as paragraph 2.5.5. to 2.5.7.

*Paragraphs 2.4.(former) to 2.10.1.*, renumber as paragraph 2.6. to 2.12.1.

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Paragraph 2.11.(former), renumber as paragraph 2.13. and amend to read:

"~~2.11.~~**13** "Tread **pattern groove**" means the space between two adjacent ribs or blocks in the tread pattern; 2/"

Paragraphs 2.12.(former) to 2.30., renumber as paragraph 2.14. to 2.32.

Paragraph 2.30.1.(former), renumber as paragraph 2.32.1. and amend to read:

"~~2.30.~~**32.1.** "Principal grooves" means the wide **circumferential** grooves positioned in the central zone of the tyre tread, which have the tread-wear indicators (~~see para. 2.27~~) located **inside them in the base.**"

Add paragraph 2.33 to read:

"**2.33.** "Void to fill ratio" means the ratio between the area of voids in a reference surface and the area of this reference surface calculated from the mould drawing."

Paragraph 2.31 to 2.35 (former), renumber as paragraph 2.34 to 2.38.

Paragraph 3.1.2., amend to read: \*

"3.1.2. The tyre-size designation ~~as defined in paragraph 2.17. of this Regulation;~~"

Paragraph 3.1.4., amend to read: \*

"3.1.4. An indication of the tyre's speed category ~~by means of the symbol shown in paragraph 2.29. above;~~"

Paragraph 3.1.5., amend to read:

"3.1.5. The inscription M+S or M.S or M&S ~~in the case of a snow~~ if the tyre is **classified in the category of use "snow tyre"** "

Insert a new paragraph 3.17., to read :

"**3.1.7. The inscription "ET" and/or "POR" if the tyre is classified in the category of use "Special use".**

**ET means Extra Tread and POR means Professional Off Road."**

Paragraph 3.1.6. (former), renumber as paragraph 3.1.8. and amend to read: \*

"3.1.8. The load-capacity index ~~as defined in paragraph 2.28. of this Regulation;~~"

Paragraphs 3.1.7.(former) to 3.1.9., renumber as paragraph 3.1.9. to 3.1.11.

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\* Note by the secretariat: This paragraph has to be amended following the introduction of new paragraphs 2.2. and 2.4. It is proposed to delete this superfluous cross reference.

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*Paragraph 3.1.10.(former)*, renumber as paragraph 3.1.12. and amend to read:

"3.1.12. In the case of tyres first approved after the entry into force of Supplement 13 to the 02 series of amendments to Regulation No. 30, the identification referred to in paragraph 2.19.1.5. shall be placed immediately after the rim diameter marking referred to in paragraph 2.19.1.3."

*Paragraphs 3.1.11.(former) to 3.1.12.*, renumber as paragraph 3.1.14. to 3.1.15.

*Paragraph 4.1.1.*, amend to read:\*

"4.1.1. The tyre-size designation ~~as defined in paragraph 2.17. of this Regulation;~~"

*Paragraph 4.1.3.*, amend to read:

"4.1.3. The category of use (~~ordinary (road-type)~~ **normal tyre** or snow **tyre, or special use tyre**, or for temporary use);"

*Paragraph 4.1.14.*, amend to read:

"4.1.14. The factor x referred to in paragraph 2.22. above."

*Paragraph 6.3.*, amend to read:

**"6.3. Tread pattern of a tyre**

**6.3.1 In order to be classified as a "special use tyre" a tyre shall have a block tread pattern in which the blocks are larger and more widely spaced than for normal tyres and have the following characteristics:**

- i) A tread depth  $\geq 11$  mm**
- ii) A void-to-fill ratio  $\geq 35$  per cent"**

**6.3.2 In order to be classified as a 'professional off-road tyre', a tyre shall have all of the following characteristics:**

- i) A tread depth  $\geq 11$  mm;**
- ii) A void-to-fill ratio  $\geq 35$  per cent;**
- iii) A maximum speed rating of  $\leq Q$ .**

*Paragraph 6.3.*, renumber as paragraph 6.3.3

*Paragraph 6.3.1 to 6.3.4.*, renumber as paragraph 6.3.3.1 to 6.3.3.4,

*Annex 1, paragraph 5.2.*, amend to read:

"5.2. Category of use: normal/snow/**special use**/temporary use 2."

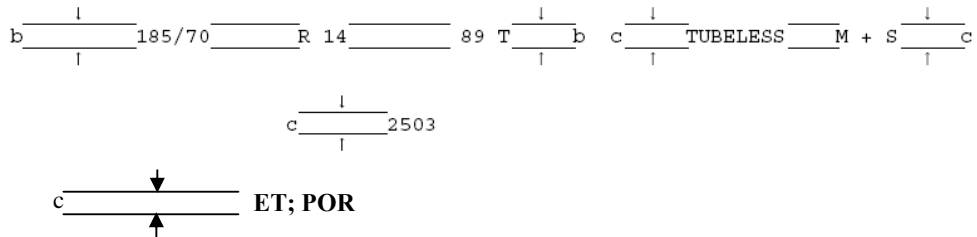
Annex 3, amend to read:

### "Annex 3

#### Arrangement of tyre markings

Paragraph 1, amend to read:

1. Example of the markings to be borne by type of tyres placed on the market after the entry into force of this Regulation



b = 6 mm (min.)

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Paragraph 3, amend to read:

- “3. (c) the symbols "~~tubeless~~TUBELESS", "~~reinforced~~REINFORCED", and "M + S"; and "ET" and "POR" may be at a distance from the size-designation.”

## II. Justification

The proposed amendments harmonize the definitions and marking requirements of this Regulation with the new 02 series of amendments to Regulation No. 117 and the latest proposal for amendment to Regulation N° 117 related to the snow tyre definitions as proposed by the informal group “snow tyre”.