

Proposal for amendment to Regulation No. 54

(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/2011/14 from ETRTO

I. Proposal

Paragraph 2.1.3., amend to read:

"2.1.3. Category of use (**normal tyre, snow tyre, special use tyre**);"

Paragraph 2.1.3., amend to read:

"2.2.1. "Normal tyre" means a tyre intended for normal, ~~everyday~~, on-road use;"

Paragraph 2.2.2., amend to read:

"2.2.2. "**Snow tyre**" means a tyre whose tread pattern, tread compound or structure ~~are~~**is** primarily designed to achieve in snow conditions a performance better than that of a normal tyre with regard to its ability to initiate or maintain vehicle motion."

Paragraph 2.2.3., amend to read:

"2.2.3. "**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.**"

Add paragraph 2.2.3.1, to read:

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

Add paragraph 2.30 and 2.31, to read:

"2.30. "**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.

2.31. "**Tyre Class**" means one of the following groupings:

2.31.1. **Class C2 tyres:** Tyres identified by a load capacity index in single formation lower or equal to 121 and a speed category symbol higher or equal to "N";

2.31.2. **Class C3 tyres:** Tyres identified by:

(a) A load capacity index in single formation higher or equal to 122;
or

- (b) A load capacity index in single formation lower or equal to 121 and a speed category symbol lower or equal to "M".**"

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~~ **if the tyre is classified in the category of use "snow tyre".**"

Paragraph 3.1.9., amend to read:

- "3.1.9. In the case of tyres which can be regrooved, the symbol "Ω" at least 20 mm in diameter, or the word "REGROOVABLE", moulded into or on to each sidewall;" *

Paragraph 3.1.12., amend to read:

- "3.1.12. The inscription ~~"ET"~~ "MPT" (or alternatively "ML" or ~~"MPT"~~ for ~~"SpecialET"~~) and /or "POR" if the tyre is classified in the category of use ~~tyres.~~ "special".

ET means Extra Tread, ML stands for Mining and Logging, MPT means Multi-Purpose Truck and POR means Professional Off Road; 4/"

Add paragraph 6.3 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:

For C2 tyres: a tread depth \geq 11 mm and void to fill ratio \geq 35 per cent

For C3 tyres: a tread depth \geq 16 mm and 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:

(a) For C2 tyres:

- 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.**

(b) For C3 tyres:

- i) A tread depth \geq 16 mm;**
- ii) A void-to-fill ratio \geq 35 per cent;**
- iii) A maximum speed rating of \leq K."**

* *Note by the secretariat* :In Corrigendum 2 to Revision 2 of the Regulation, the symbol used is 

Annex 1, paragraph 5.2., amend to read:

"5.2. Category of use: normal/~~sn~~ow/special/~~sn~~ow 2"

Annex 1, insert a new paragraph 5.4, to read:

"5.4. Tyre class: C2 / C3 2"

Annex 1, renumber former paragraphs 5.4 to 5.5 to read 5.5 to 5.6

Annex 3, arrangement of tyre markings, insert a new marking to read:

"

↓
c _____ **ET; ML; MPT; POR**
↑

....."

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".
