

Submitted by the expert from ETRTO

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agenda item 4 (b))

Proposal for Supplement 25 to the 00 series of amendments to UN Regulation No. 54

The changes compared to documents ECE/TRANS/WP.29/GRBP/2021/13 and ECE/TRANS/WP.29/GRBP/2022/06 are marked in **bold** for added text and **strike through** for deleted text, all in red font.

I. Proposal

Paragraph 2.13.1., amend to read:

"2.13.1. However, in case of tyres identified by the "tyre to rim fitment configuration" (see paragraph ~~3.1.12.2.20.5.~~) symbol "A", it means the area of the tyre which is seating on the rim;"

Paragraph 2.30., amend to read:

"2.30. "Load-capacity index" means ~~one or two numbers~~ **a number** which ~~indicate~~ **indicates** the load the tyre can carry ~~in single or in single and dual operation~~ at the speed corresponding to the associated speed category and when operated in conformity with the requirements governing utilization specified by the manufacturer. ~~A type of tyre can have either one or two sets of load capacity indices depending on whether or not the provisions of paragraph 6.2.5. are applied.~~ The list of these indices and their corresponding loads is given in Annex 4;"

Paragraph 2.32., amend to read:

"2.32. "Table load-capacity variation with speed" means:

The table, in Annex 8, showing as a function of the load-capacity indices and nominal-speed-category symbols the load variations which a tyre can withstand when used at speeds different from that conforming to its nominal-speed-category symbol. The load variations do not apply in the case of the additional ~~load capacity symbol and speed category service description~~ obtained when the provisions of paragraph 6.2.5. are applied;"

Paragraphs 3.1.5. and *its subparagraphs* ~~3.1.5.1.~~, amend to read:

"3.1.5. The ~~speed category symbol (or symbols)~~ **service description as defined in paragraph 2.35.;**


3.1.5.1. ~~An indication of the tyre's nominal speed category in the form of the symbol prescribed in paragraph 2.31.2. above~~ **One additional service description surrounded by a circle in case the provisions of paragraph 6.2.5. are applied;**

~~3.1.5.2. An indication of a second speed category in cases where paragraph 6.2.5. below is applied; "~~

Paragraph 3.1.7., amend to read:

"3.1.7. (omitted)"

Paragraph 3.1.10., amend to read:

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

Paragraph 3.4.1., amend to read:

"3.4.1. The markings shall be situated in the lower area of the tyre on at least one of its sidewalls, except for the inscriptions mentioned in paragraphs 3.1.1. and 3.1.2.

However, for tyres identified by the "tyre to rim fitment configuration" (see paragraph ~~3.1.12.2.20.5.~~) symbol "A", the markings may be placed anywhere on the sidewall of the tyre."

Paragraphs 4.1.5. and 4.1.6., amend to read:

"4.1.5. The ~~speed category service description;~~

- 4.1.6. The ~~load capacity indexes~~ **additional service description in case the provisions of paragraph 6.2.5 are applied;**"

Paragraph 6.1.1.2., amend to read:

- "6.1.1.2. ~~However,~~ **Notwithstanding paragraph 6.1.1.1.,** for the types of tyres whose designation is given in the first column of the tables in Annex 5 to this Regulation, the section width shall be deemed to be that given opposite the tyre designation in those tables.

However, if a measuring rim whose width code differs from the measuring rim width code listed in the table is used, the section width is calculated using the formula from paragraph 6.1.1.1., where

S1 is the section width in millimetres listed in the table;

A1 is the measuring rim width code from the table multiplied by 25.4; and

the other quantities are as defined in paragraph 6.1.1.1."

Paragraph 6.1.1.3., amend to read:

- "6.1.1.3. However, for tyres identified by the "tyre to rim fitment configuration" (see paragraph ~~3.1.12.2.20.5.~~) symbol "A", K shall be taken to equal 0.6."

Paragraph 6.1.2.3., amend to read:

- "6.1.2.3. However, for tyres identified by the "tyre to rim fitment configuration" (see paragraph ~~3.1.12.2.20.5.~~) symbol "A", the outer diameter shall be that specified in the tyre-size designation as shown on the sidewall of the tyre."

Paragraph 6.1.4.3., amend to read:

- "6.1.4.3. However, for tyres identified by the "tyre to rim fitment configuration" (see paragraph ~~3.1.12.2.20.5.~~) symbol "A", the overall width of the tyre, in the lower area of the tyre, equals the nominal width of the rim on which the tyre is mounted, as shown by the manufacturer in the descriptive note, increased by 27 mm."

Paragraph 6.1.5.1., amend to read:

- "6.1.5.1. For sizes listed in Annex 5 and for tyres identified by the "tyre to rim fitment configuration" (see paragraph ~~3.1.12.2.20.5.~~) symbol "A", the nominal section height H is equal to:

$H = 0.5 (D - d)$, rounded to the nearest mm - for references see paragraph 6.1.2.1."

Annex 7, paragraph 3.1.2., amend to read:

- "3.1.2. Tyres marked with load capacity index in single 122 and above and with the additional marking "C", or "LT", referred to in ~~paragraph 3.1.14.~~ **paragraphs 2.20.6. and 3.1.14.** of this Regulation."

II. Justification

Document ECE/TRANS/WP.29/GRBP/2021/13 proposes to amend Regulation No. 54 with the aim to clarify that for one type of tyre not more than one additional service description may be declared and marked on the tyre. The purpose of this proposal is to avoid placing requirements in the Definitions section and to facilitate the text by making use of the definition of "service description" that was introduced by Supplement 24.

Furthermore, it is proposed to correct certain references to paragraphs that were omitted or changed by Supplement 24.

Finally, for the ease of the discussion, the proposals made in document ECE/TRANS/WP.29/GRBP/2022/6 were included in this document.

