

Proposal to replace document GRBP/2026/12 (Proposal for Supplement 2 to the 01 series of amendments to UN Regulation No. 109)

The changes compared to document GRBP/2026/11 are marked in **bold** for added text and **strike through** for deleted text, all in red (or blue, Rev. 2) font.

I. Proposal

Paragraph 2.4., amend to read:

"2.4. "Material ~~manufacturer / material supplier~~" means ..."

Paragraph 2.59., delete.

Paragraphs 2.60., 2.61. and 2.61.1., renumber as paragraphs 2.59., 2.60. and 2.60.1., respectively.

Paragraph 3.2.8., amend to read:

"3.2.8. The inscription M+S ~~or MS or M.S. or M & S~~ M&S ... when declared by the ~~tyre manufacturer~~ **retreader** ..."

Paragraph 3.6., amend to read:

"3.6. As far as any of the original **tyre** manufacturer's specifications ..."

Paragraph 4.1.5.3.2., amend to read:

"4.1.5.3.2. The list of tyres classified as tyre for use in severe snow conditions and/or as traction tyre. **The list shall clearly identify the tyres in order to make the relevant link with the list(s) quoted in paragraph 6.4.4.1. b).**
The following table is an example:

<i>Tyre Size Designation, Load indices, Speed symbol</i>	<i>TPR1</i>	<i>TPR2</i>	<i>TPR3</i>
215/75 R 17.5 126/124 M	TA1	-	TA3
235/75 R 17.5 132/130 M	TA1	-	-
265/70 R 17.5 138/136 M	-	TA2	TA3
245/70 R 19.5 136/134 M	-	-	-
12 R 22.5 152/148 K	-	TA2	-

Notes:

TPR: Trade description/commercial name of the Tread Pattern by the Retreader

TA: Number of the approval granted according to UN Regulation No. 172 to the type of retreaded tyre."

Paragraphs 4.1.5.3.2.1., 4.1.5.3.2.2. and 4.1.5.3.2.3. , delete.

Paragraph 6.3.3., amend to read:

"6.3.3. ... the material ~~manufacturer~~ **supplier**."

Paragraph 6.3.7., amend to read:

"6.3.7. ... the material ~~manufacturer~~ **supplier** of that appropriate material."

Paragraph 6.4.1., amend to read:

"6.4.1. The retreader must ensure that ~~either the material manufacturer or the supplier~~ of repair materials, ..."

Paragraph 6.4.4., amend to read:

"6.4.4. The retreader shall ensure that either the material manufacturer or the supplier of tread and sidewall material ..."

Paragraph 6.4.4.1., amend to read:

"6.4.4.1. For retreaded tyres produced by using pre-cured tread or by using mould cure process with the same tread pattern not covered by paragraph 6.4.4.2 and type approved pursuant to UN Regulation No. 172, the retreader shall ensure that manufacturer(s) or the material supplier(s) of the tread(s) used for retreading process provides ...

(a) A copy of the UN Regulation No. 172 certificate(s), as issued by the relevant Type Approval Authority;

(b) The list(s) of tyre sizes annexed to the UN Regulation No. 172 certificate(s). The list(s) shall include at least the tyres defined in paragraph 4.1.5.3.2.1-;

..."

Paragraphs 6.4.4.2. and 6.4.4.3., delete.

Insert a new paragraph 6.4.4.2., to read:

"6.4.4.2. For retreaded tyres categorized as “special use tyres”, the retreader shall ensure that the supplier(s) of the tread(s) used for retreading process of such tyres provides the value of tread depth and void to fill ratio pertinent to each tread."

Paragraph 6.4.4.4., renumber as paragraphs 6.4.4.3.

Paragraphs 6.4.5. and 6.4.6., amend to read:

"6.4.5. ... compound is documented in a manufacturer's or material supplier's certificate.

6.4.6. ... according to the material manufacturer's supplier's specifications."

Paragraph 6.5.4., amend to read:

"6.5.4. ... given in ~~Annex 5~~ **Annex 5** to this Regulation. ~~Note that:~~

~~(a) the maximum outer diameter of a retreaded tyre may be up to 1.5 per cent greater than the maximum outer diameter of the same tyre size designation permitted by Regulation No. 54;~~

~~(b) and the maximum section width of a radial retreaded tyre may be up to 1.5 per cent greater than the maximum section width of the same tyre size designation permitted by Regulation No. 54.~~

"

Paragraph 7.1.4., amend to read:

"7.1.4. ~~Section Tyre overall~~ width specifications:"

Paragraph 7.1.4.2., amend to read:

"7.1.4.2. **Except for the cases defined in paragraphs 7.1.4.3. and 7.1.4.4.,** it ~~it~~ may exceed the value by 5.5 per cent ..."

Paragraph 7.1.5.2., amend to read:

"7.1.5.2. ~~For snow tyres the maximum outer diameter (D_{max}) calculated in paragraph 7.1.5.1. may be exceeded by not more than 1 per cent.~~

For tyres of the category of use “snow tyre” the outer diameter shall not exceed the following value

$D_{\max, \text{snow}} = 1.01 \cdot D_{\max}$ rounded to the nearest mm

where D_{max} is the maximum outer diameter established for normal use tyres in conformity with the above."

Paragraph 9., amend to read:

"9. Conformity of production

The conformity of production procedures shall comply with those set out in the Agreement, ~~Appendix 2~~ **Schedule 1** (E/ECE/324-E/ECE/TRANS/505/Rev.3), with the following requirements:"

Annex 1, amend to read:

"Communication

...

of a retreading production unit pursuant to UN Regulation No. 109.

Approval No.:

~~Extension No.:~~

1. Retreader's name and address:

..."

Annex 5, amend to read:

"[...]"

Note that with reference to paragraph ~~6.5.4-7.1.~~ of this Regulation [...]"

Notwithstanding the above, the overall section width of a retreaded radial tyre with an ASP may in all cases be greater than that shown in the tables of Annex 5 to Regulation No. 54, but by no more than 8 mm."

Annex 6, Paragraph 5., amend to read:

"5. The outer diameter shall be ~~calculated from a measurement of~~ **determined by measuring the maximum circumference of the inflated tyre and dividing the value so obtained by π (rounded to 3.1416).**"

Annex 7, paragraph 2.3.4., amend to read:

"2.3.2. [...] maintained at [...] the ~~tyre manufacturer or retreader~~ [...]"

II. Justification

1. It is proposed to delete paragraph 2.59. based on the following reasons:

(a) the definition of "Supplier of the tread used for retreading process" given in paragraph 2.59. is too restrictive because not all the retreaded tyres produced by retreading units type-approved pursuant to this regulation are type-approved pursuant to UN Regulation No. 172, and

(b) the definition of material supplier given in paragraph 2.4. of this Regulation covers also the supplier of tread used for producing retreaded tyres type-approved pursuant to UN Regulation No 172.

2. It is proposed to amend the paragraph 2.4. by referring to the material supplier only because the definition given in this paragraph describe this market operator and not the material manufacturer. Consequently, it is also proposed to cancel the reference to the

material manufacturer in all the paragraphs in which this market operator is referred as an alternative to the material supplier.

3. It is proposed to simplify the list of tyres classified as tyre for use in severe snow conditions and/or as traction tyre to be submitted at the application for approval, because they are redundant. In fact, the various cases currently specified in paragraphs 4.1.5.3.2.1., 4.1.5.3.2.2. and 4.1.5.3.2.3. are already handled in UN Regulation No. 172. Therefore, a simple list reporting just the type approval number of UN Regulation No. 172 associated to the size and the trade description/commercial name given by the retreader to the retreaded tyre cover all the needed information.

4. It is proposed to introduce a paragraph clarifying that the supplier of tread material dedicated to the retreading of tyres categorized as special use tyres shall provide to the retreader the void to fill ratio pertinent to such tread material.

5. Paragraph 7.1.5.2. is aligned to paragraph 6.1.5.4. of UN Regulation No. 54.

6. The first paragraph of section 9 refers to Appendix 2 of the 1958 Agreement. However, the Conformity of production procedures are contained in Schedule 1 of that Agreement.

7. Based on Revision 3 of the Agreement, the extension number is already included in the approval number.

8. The notes (a) and (b) in paragraph 6.5.4. are not correct and misleading. Therefore, it is proposed to delete them.

9. The wording of paragraph 7.1.4. is amended in line with UN R54.

10. The provisions reported in paragraph 7.1.4.2. are only applicable to tyres without ASP.

11. In Annex 5, a wrong reference to paragraph 6.5.4. is corrected. In addition, the last paragraph specifies different requirements than the previous paragraph. Therefore, it needs to be indicated that for tyres with ASP, the previous paragraph is not valid.

12. Annex 6, paragraph 5. is reworded to clarify how the outer diameter shall be calculated. In line with recent changes in UN Regulation 30, it is proposed to specify the value of pi.
