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Economic Commission for Europe**Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****Working Party on Noise****Sixty-ninth session**

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Item 7 (a) of the provisional agenda

Tyres: UN Regulation No. 30 (Tyres for passenger cars and their trailers)**Proposal for amendments to UN Regulation No. 30****Submitted by the experts from the European Tyre and Rim Technical Organisation***

The text reproduced below was prepared by the experts from the European Tyre and Rim Technical Organisation (ETRTO). The modifications to the existing text of the UN Regulation are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2018–2019 (ECE/TRANS/274, para. 123 and ECE/TRANS/2018/21/Add.1, Cluster 3), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.



I. Proposal

Paragraphs 2.8. to 2.8.3., renumber as 2.9. to 2.9.3. accordingly.

Paragraph 2.8.4., renumber as 2.10.

Paragraph 2.8.5., renumber as 2.8.

Paragraph 2.8.6., renumber as 2.8.1.

Paragraph 2.8.7., renumber as 2.9.4.

Add a new paragraph 2.11. to read:

"2.11. "P-type tyres" means a type of passenger car tyres that follow the design rules of The Tyre & Rim Association;"

Paragraphs 2.9. to 2.21., renumber as 2.12. to 2.24. accordingly.

Paragraph 2.22., renumber to 2.25. and amend to read:

"2.25. "Tyre-size designation" is a designation showing:"

Paragraph 2.22.1., delete

Paragraphs 2.22.1.1. and 2.22.1.2., renumber as 2.25.1. and 2.25.2.

Add new paragraphs 2.25.3. to 2.25.3.5. to read:

"2.25.3. An indication of the structure as follows:

2.25.3.1. on diagonal (bias-ply) tyres, no marking or the letter "D" placed in front of the rim diameter marking;

2.25.3.2. on radial-ply tyres, the letter "R" placed in front of the rim-diameter marking, and, optionally, the word "RADIAL";

2.25.3.3. on bias-belted tyres, the letter "B" placed in front of the rim-diameter marking, and in addition the words "BIAS-BELTED";

2.25.3.4. on radial ply tyres suitable for speeds in excess of 240 km/h but not exceeding 300 km/h (tyres marked with the speed symbol "W" or "Y" as part of the service description), the letter "R", placed before the rim diameter marking, may be replaced with the inscription "ZR"; on tyres suitable for speeds in excess of 300 km/h, the letter "R" placed in front of the rim diameter marking shall be replaced by the inscription "ZR";

2.25.3.5. on "run flat" or "self supporting" tyres the letter "F" placed in front of the rim diameter marking."

Paragraphs 2.22.1.3. and 2.22.1.4., renumber as 2.25.4. and 2.25.5.

Add a new paragraph 2.25.6. to read:

"2.25.6. the letter "P" in front of the nominal section width in case of P-type tyres;"

Paragraph 2.22.1.5., renumber as 2.25.7.

Paragraphs 2.23. to 2.40., renumber as 2.26. to 2.43. respectively.

Paragraph 2.41., renumber as 2.44. and amend to read:

"2.44. "Deflected section height" is the difference between the deflected radius, measured from the centre of the rim to the surface of the drum, and one half

of the nominal rim diameter as defined in **paragraph 2.23. of this Regulation ISO 4000-1.**"

Paragraphs 3.1.4. to 3.1.4.5., delete.

Paragraph 3.1.8., renumber to 3.1.4.

Paragraph 3.1.5.1., amend to read:

"3.1.5.1. On tyres suitable for speeds in excess of 300 km/h, ~~the letter "R" placed in front of the rim diameter code marking shall be replaced by the inscription "ZR" and~~ the tyre shall be marked with a service description consisting of the speed symbol "Y" and the corresponding load index. The service description shall be marked within brackets, for example, "(95Y)"."

Paragraphs 3.1.9. – 3.1.10., renumber to 3.1.8. – 3.1.9.

Paragraph 3.1.12., renumber to 3.1.11. and amend to read:

"3.1.11. In the case of tyres first approved after the entry into force of Supplement 13 to the 02 series of amendments to UN Regulation No. 30, the identification referred to in paragraph ~~2.22.1.5.2.25.7.~~ shall be placed immediately after the rim diameter marking referred to in paragraph ~~2.22.1.3.2.25.4.~~"

Paragraphs 3.1.13. to 3.1.14., renumber as 3.1.12. to 3.1.13.

Paragraph 3.4., amend to read:

"3.4. The markings referred to in paragraph 3.1. and the approval mark prescribed in paragraph 5.4. of this Regulation shall be moulded on to or into the tyres. They shall be clearly legible and situated in the lower area of the tyre on at least one of its side walls, except for the inscription mentioned in paragraphs 3.1.1., 3.1.2. and ~~3.1.13.~~**3.1.12.** above."

Paragraph 4.1.14., amend to read:

"4.1.15. The factor x referred to in paragraph 2.28. above."

Annex 3,

Paragraph 2., amend to read:

"2. ...
R is an indication of the structure of the tyre – see paragraph ~~3.1.3.2.25.3.~~ of this Regulation,
... ."

Paragraph 3.(a), amend to read:

"(a) ... in paragraph ~~2.17.2.25.~~ of this Regulation"

Paragraph 3.(b), amend to read:

"(b) ... in paragraph ~~2.17.2.25.~~ of this Regulation"

II. Justification

1. The current definition of the Tyre Size Designation does not contain an indication of the construction.
2. P-type tyres follow different design rules than tyres without the prefix "P". Therefore, it is necessary to ensure that these two types can be clearly distinguished.

3. The reference to ISO 4000-1 values is not needed anymore because the nominal rim diameter values for code-designated rims are now shown in paragraph 2.23.1.
 4. References to certain paragraphs need to be updated due to renumbering in the Regulation.
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