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Item 4.8.9 of the provisional agenda

1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRBP

Proposal for Supplement 1 to the 01 series of amendments to UN Regulation No. 109 (Retreaded tyres for commercial vehicles and their trailers)

Submitted by the Working Party on Noise and Tyres*

The text reproduced below was adopted by the Working Party on Noise and Tyres (GRBP) at its eighty-first session (ECE/TRANS/WP.29/GRBP/79, para. 15). It is based ECE/TRANS/WP.29/GRBP/2025/16 as amended by GRBP-81-12-Rev.1. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration at their June 2025 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2025 as outlined in proposed programme budget for 2025 (A/79/6 (Sect. 20), table 20.6), 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.



Paragraph 1.1., amend to read:

- "1.1. Retreaded tyres identified by nominal speed category below eighty (80) km/h (speed category symbol "F"); "

Paragraph 2.26.4., amend to read:

- "2.26.4. the nominal rim diameter"

Paragraph 2.27., amend to read:

- "2.27. "Nominal rim diameter" means a conventional number denoting the diameter of the rim on which a tyre is designed to be mounted; the diameter is expressed either by codes (numbers below 100) or in millimetres (numbers above 100) but not both."

Paragraph 2.26.4.1., renumber to 2.27.1. and amend to read:

- "2.27.1. When the nominal rim diameter ("d" symbol) is expressed by code, the values of the "d" symbols expressed in millimetres are as follows:

Nominal Rim Diameter Code – "d" symbol	Value of the "d" symbol expressed in mm
8	203
9	229
10	254
11	279
12	305
13	330
14	356
15	381
16	406
17	432
18	457
19	483
20	508
21	533
22	559
24	610
25	635
26	660
28	711
30	762
32	813
34	864
36	914
38	965
40	1016
42	1067
14.5	368
16.5	419
17.5	445
19.5	495
20.5	521
22.5	572
24.5	622

Nominal Rim Diameter Code – "d" symbol	Value of the "d" symbol expressed in mm
26.5	673
28.5	724
30.5	775

"

Paragraph 2.39., amend to read:

"2.39. "Additional service description" means a service description, marked within a circle, to identify a special type of service (load-capacity index or indices and speed category symbol) to which the retreaded tyre is also allowed to operate in addition to the applicable load variation with speed (see Annex 8)."

Paragraphs 2.53., 2.58., 3.4.1., 4.1.5.3.2.1., 4.1.5.3.2.2., 4.1.5.3.2.3., 6.4.4.1., 6.4.4.3., 6.4.4.4., replace 'No. [XXX]' with 'No. 172'.

Paragraph 2.56.1., renumber to 2.56. and amend to read:

"2.56. "Principal grooves" means the wide tread grooves positioned in the central zone of the tyre tread. The central zone is the area on the tread which comprises of 75 per cent of the width of the tread measured symmetrically from the centre line."

Paragraph 2.56. (former), renumber to 2.57.:

Paragraphs 2.57, 2.58. and 2.59. (former), renumber to 2.58., 2.59. and 2.60., respectively.

Add new paragraphs 2.61. and 2.61.1. to read:

"2.61. "Free Rolling Tyre" means a tyre, designed for the equipment of trailer axles and axles of motor vehicles other than front axles and drive axles.

2.61.1. "Front axle" means any axle, forward of the mid-point of the chassis, on which the wheels are controlled by the steering system."

Paragraph 3.2.16., amend to read:

"3.2.16. The inscription "FRT" **in case of a** Free Rolling Tyre."

Paragraphs 4.1.5.3.2.1., header of first column of the table, replace 'indexes' by 'indices'.

Paragraph 4.1.5.3.2.2., header of first column of the table, replace 'indexes' by 'indices'.

Paragraph 4.1.5.3.2.3., header of first column of the table, replace 'indexes' by 'indices'.

Paragraph 6.4.4.2., amend to read:

"6.4.4.2. For retreaded tyres produced by using either mould cure process or pre-cured tread with the same major features including tread pattern(s) as a new type of tyre approved pursuant to UN Regulation No. 117 having fulfilled the requirements about minimum snow performance in severe snow conditions and/or traction tyre classification, the retreader shall ensure that the manufacturer of the new tyre type provides to the Type Approval Authority (and the Technical Service) issuing the approval according to this UN Regulation and optionally to the retreader:

- (a) a copy of the Regulation No. 172 certificate(s), as issued by the relevant Type Approval Authority based on the UN Regulation No. 117 certificate(s);
- (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 4.1.5.3.2.3.;
- (c) The drawing(s) of the tread pattern(s) covered by the UN Regulation No 117 certificate(s) including the major features with respect to the snow performance;
- (d) A copy of the last report of the Conformity of Production as required in

UN Regulation No. 117."

Paragraph 7.3., amend to read:

- "7.3. In order to be classified as a 'professional off-road tyre', a special use tyre shall fulfil the following additional requirement:
- (a) For C2 tyres a maximum speed category less than or equal to 160 km/h (speed category symbol Q).
 - (b) For C3 tyres a maximum speed category less than or equal to 110 km/h (speed category symbol K)."
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