



Economic and Social Council

Distr.: General
10 April 2025

Original: English

Economic Commission for Europe

Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

196th session

Geneva, 24–27 June 2025

Item 4.8.7 of the provisional agenda

1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRBP

Proposal for Supplement 21 to UN Regulation No. 75 (Tyres for Motorcycles/Mopeds)

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. 14). It is based on ECE/TRANS/WP.29/GRBP/2025/11 as amended by GRBP-81-07-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 2.1. (c), amend to read:

- "(c) Category of use (normal tyre, snow tyre, special-use tyre, moped tyre, all terrain (AT) tyre;"

Second occurrence of footnote 2, renumber as footnote 3.

Paragraphs 2.7., 2.8., 2.9., 2.10., 2.11., 2.12., 2.13., 2.15., 2.16., 2.17., 2.19. and 2.22., replace the reference to footnote 2 by a reference to footnote 3.

Paragraph 2.14., amend to read:

- "2.14. "Principal grooves" means the wide tread grooves of the tyre."

Paragraph 2.20.5., amend to read:

- "2.20.5. the nominal rim diameter;"

Paragraph 2.20.5.1., renumber as 2.21.1. and amend to read:

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

<i>Nominal rim diameter code ("d" symbol)</i>	<i>Value of the "d" symbol expressed in mm</i>
4	102
5	127
6	152
7	178
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
23	584

"

Paragraph 2.20.6., amend to read:

- "2.20.6. The suffix "M/C" after the nominal rim diameter for tyres intended to be fitted on rims designed for motorcycles as shown in the example in Annex 3; this suffix is mandatory for tyres having a nominal rim diameter equivalent to code 13 (330 mm) or above, and optional for tyres with nominal rim diameter equivalent to code 12 (305 mm) or below. Tyres not intended to be fitted on rims designed for motorcycles shall not be marked with M/C."

Paragraph 2.21., amend to read:

- "2.21. "Nominal rim diameter" means a conventional number denoting the diameter of the rim on which a tyre is designed to be mounted³; the diameter of the rim

is expressed either by code (numbers below 100) or in millimetres (numbers above 100) but not both;"

Paragraph 2.24., amend to read:

"2.24. *"Measuring rim"* means the rim on which a tyre is required to be fitted for the measurement of the tyre dimensions."

Paragraph 2.30., amend to read:

"2.30. *"Load-capacity index"* means a figure associated with the maximum load a tyre can carry at the speed corresponding to its speed-category symbol according to the operating conditions specified by the tyre manufacturer. A list of those indices and of the corresponding loads is given in Annex 4 to this Regulation."

Add new paragraphs 2.33. and 2.33.1., to read:

"2.33. Category of use:

2.33.1. *"Normal tyre"* means a tyre intended for normal, on-road use;"

Paragraph 2.33. (former), renumber as 2.33.2.

Paragraph 2.34. (former), delete.

Paragraph 2.35. (former), renumber as 2.33.4. and amend to read:

"2.33.4. *"Moped tyre"* means a tyre designed for the equipment of mopeds (vehicles of categories L₁ and L₂)."

Paragraph 2.36. (former), renumber as 2.34. and amend to read

"2.34. *"Motorcycle tyre"* means a tyre designed primarily for the equipment of motor cycles (vehicles of categories L₃, L₄ and L₅). However, they may also equip mopeds (vehicles of categories L₁ and L₂) and light trailers (vehicles of category O₁)."

Paragraphs 2.37. to 2.37.6. (former), renumber as 2.35. to 2.35.6., respectively.

Paragraph 2.38. (former), renumber as 2.33.5. and amend to read:

"2.33.5. *"All terrain (AT) tyre"* means a low-pressure tyre designed primarily for the equipment of vehicles of categories L₆ and L₇."

Paragraph 2.39. (former), renumber as 2.36. and amend to read:

"2.36. *"Service description"* means the association of the load-capacity index with a speed-category symbol (for example, 72H)."

Paragraph 2.40. (former), renumber as 2.33.3. and amend to read:

"2.33.3. *"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 control the vehicle motion in off-road conditions."

Paragraph 3.1.5.1., amend to read:

"3.1.5.1. For tyres suitable for speeds above 240 km/h but below 270 km/h and identified with the letter code "V" within the tyre-size designation, the service description shall be marked within parentheses and shall consist of the load-capacity index applicable at a speed of 210 km/h and the speed-category symbol."

Paragraph 3.1.5.2., amend to read:

"3.1.5.2. For tyres suitable for speeds above 270 km/h and identified with the letter code "Z" within the tyre-size designation, the service description shall be marked within parentheses and shall consist of the load-capacity index applicable at a speed of 240 km/h and the speed-category symbol."

Paragraph 3.1.9., amend to read:

- "3.1.9. The inscription of "M+S" or "M.S" or "M&S" if the tyre is classified in the category of use "snow tyre" or if the tyre is classified in the category of use "special-use tyre" when declared by the tyre manufacturer at paragraph 4.1.3. as complying also with the definition given in paragraph 2.33.2.; the inscription "DP" (i.e. Dual Purpose) is accepted as a permitted alternative;
- "M+S" or "M.S" or "M&S" means "Mud and Snow";"

Paragraph 3.1.10., amend to read:

- "3.1.10. The inscription "MST" in the case of special-use tyres; "MST" means "multiservice tyre"."

Paragraphs 4.1.3. and 4.1.3.1., amend to read:

- "4.1.3. The category of use (normal, snow, special-use, moped, all terrain (AT);
- 4.1.3.1. For the tyres belonging to the category of use "special-use tyre", those which may bear the inscription "M+S" or "M.S" or "M&S"."

Paragraph 4.1.9., amend to read:

- "4.1.9. The ply-rating number of tyres for motorcycle derivatives (see table 5 of Annex 5 to this Regulation);⁴"

Footnote 2, renumber as footnote 4.

Paragraph 5.4.1., amend to read:

- "5.4.1. A circle surrounding the letter "E" followed by the distinguishing number of the country which has granted approval;⁵"

Footnote 3, renumber as footnote 5 and amend to read:

⁵ The distinguishing numbers of the Contracting Parties to the 1958 Agreement are reproduced in Annex 3 to the Consolidated Resolution on the Construction of Vehicles (R.E.3).

Paragraph 6.1.1.1., amend to read:

- "6.1.1.1. The section width S of a tyre fitted on the measuring rim shall be calculated by the following formula:
- $$S = S_1 + K \cdot (A - A_1),$$
- and rounded to the nearest millimetre,
- where:
- ..."

Paragraph 6.1.1.2., amend to read:

- "6.1.1.2. However, for types of tyres for which the tyre-size designation is shown in the first column of the tables in Annex 5 to this Regulation, the section width shall be that given opposite the tyre-size designation in the tables."

Paragraph 6.1.2.2., amend to read:

- "6.1.2.2. However, for types of tyres for which the tyre-size designation is shown in the first column of the tables in Annex 5 to this Regulation, the outer diameter shall be that given opposite the tyre-size designation in the tables."

Paragraph 6.1.4., amend to read:

- "6.1.4. Tyre overall width specifications"

Paragraph 6.1.4.2., amend to read:

- "6.1.4.2. It may exceed that value,

- (a) for sizes shown in Annex 5, up to the value specified for the respective tyre-size designation in the tables in Annex 5 and,
- (b) for sizes not included in Annex 5, by the following percentages, whereby the limits shall be rounded to the nearest millimetre (mm):

Category of use		
Normal tyres, snow tyres and moped tyres		
	Rim diameter code 12 and below	8 %
	Rim diameter code 13 and above	10 %
Special-use tyres		25 %

"

Paragraphs 6.1.4.2.1. and 6.1.4.2.2., delete.

Paragraph 6.1.5.1., amend to read:

"6.1.5.1. For sizes listed in Annex 5, the outer diameter of a tyre must not be outside the values D_{\min} and D_{\max} specified for the respective tyre-size designation in the tables in Annex 5."

Paragraph 6.1.5.2.1., amend to read:

"6.1.5.2.1.

Category of use		<i>a</i>
Normal tyres, snow tyres and moped tyres		
	Rim diameter code 12 and below	0.93
	Rim diameter code 13 and above	0.97
Special-use tyres		1.00

"

Paragraph 6.1.5.2.2., amend to read:

"6.1.5.2.2

Category of use		<i>b</i>
Normal tyres and moped tyres		
	Rim diameter code 12 and below	1.10
	Rim diameter code 13 and above	1.07
Snow tyres and special-use tyres		1.12

"

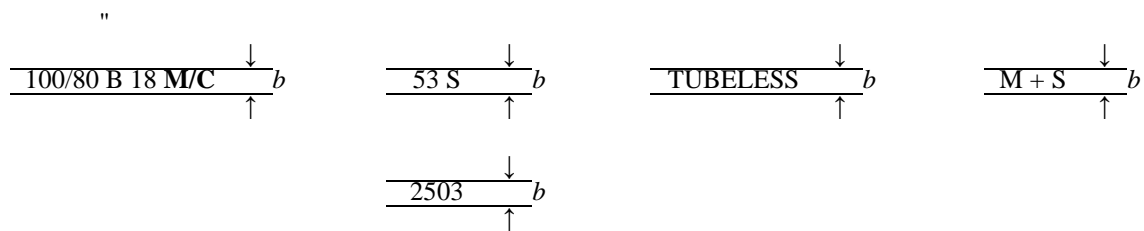
Paragraph 6.2.1.1., amend to read:

"6.2.1.1. Where application is made for tyres identified by means of letter code "V" within the tyre-size designation and suitable for speeds over 240 km/h or for tyres identified by means of letter code "Z" within the tyre-size designation and suitable for speeds over 270 km/h (see paragraph 4.1.15.), the above load/speed test is carried out on one tyre at the load and speed conditions marked within parenthesis on the tyre (see paragraphs 3.1.5.1. and 3.1.5.2.). Another load/speed test must be carried out on a second tyre of the same type at the load and speed conditions, if any, specified as maximum by the tyre manufacturer (see paragraph 4.1.15.). For tyres identified by means of letter code "V" within the tyre-size designation and suitable for speeds over 240 km/h, the maximum load specified by the manufacturer shall not exceed the maximum load rating indicated in paragraph 2.35.4. with reference to the maximum speed specified by the manufacturer."

Annex 1, item 4.2, amend to read:

"4.2. Category of use: normal/snow/special-use/moped/all terrain (AT)²"

Annex 3, Example of the markings, amend to read:



$b = 4 \text{ mm min.}$ "

Annex 3, amend to read:

"...

- Having a load capacity of 206 kg, corresponding to load-capacity index 53 in Annex 4 to this Regulation;
- Having a speed category of 180 km/h (expressed by the speed-category symbol S);

...

- The tyre-size designation shall be grouped as shown in the above example: 100/80 B 18 M/C;
- The load-capacity index and the speed-category symbol shall be placed together near the tyre-size designation; they may either follow it or be placed above or below it;
- The markings "TUBELESS" and "REINFORCED" or "REINF" and "M + S" and "MST" and/or "MOPED" (or "CYCLOMOTEUR" or "CICLOMOTORE") may be at a distance from the tyre-size designation;

..."

Annex 5,

Table 1(a), footnote 1, amend to read:

"¹ Normal tyres."

Table 2, footnotes 1 and 2, amend to read:

"¹ Normal tyres.

² Special-use tyres and snow tyres."

Table 3 and Table 4, footnotes 1 to 5, amend to read:

- ¹ Normal tyres.
- ² Special-use tyres and snow tyres.
- ³ Normal tyres with a speed category less than or equal to 150 km/h (speed-category symbol "P").
- ⁴ Normal tyres with a speed category greater than or equal to 160 km/h (speed-category symbol "Q") and snow tyres.
- ⁵ Special-use tyres."

Table 7, amend to read:

"Table 7

Motor-cycle tyres

Sizes and dimensions of American tyres

Tyre-size designation*	Measuring rim width Code	Overall diameter (mm)			Section width (mm)	Maximum overall width (mm)
		D_{min}	D	D_{max}		
MH90 - 21	1.85	682	686	700	80	89
MJ90 - 18	2.15	620	625	640	89	99
MJ90 - 19	2.15	645	650	665		

ML90	-	18	2.15	629	634	650	93	103
ML90	-	19	2.15	654	659	675		
MM90	-	19	2.15	663	669	685	95	106
MN90	-	18	2.15	656	662	681	104	116
MP90	-	18	2.15	667	673	692	108	120
MR90	-	18	2.15	680	687	708	114	127
MS90	-	17	2.50	660	667	688	121	134
MT90	-	16	3.00	642	650	672	130	144
MT90	-	17	3.00	668	675	697		
MU90	-	15M/C	3.50	634	642	665	142	158
MU90	-	16	3.50	659	667	690		
MV90	-	15M/C	3.50	643	651	675	150	172
MP85	-	18	2.15	654	660	679	108	120
MR85	-	16	2.15	617	623	643	114	127
MS85	-	18	2.50	675	682	702	121	134
MT85	-	18	3.00	681	688	709	130	144
MU85	-	16M/C	3.50	650	658	681	142	158
MV85	-	15M/C	3.50	627	635	658	150	172

* The suffix "M/C" may be added optionally as part of the tyre-size designation (e.g. MH90 - 21 M/C); this is recommended for tyres having a nominal rim diameter equivalent to code 13 (330 mm) or above. Tyres in bias-belted construction shall be identified by the letter "B" in place of "-" (e.g. MM90 B 19 M/C)."

Table 8, headings, replace "Tyres for all terrain vehicles (AT)" and "Tyres for all terrain vehicles (AT tyres)" by "All terrain (AT) tyres".

Annex 7, paragraphs 2.2.1. to 2.2.3., amend to read:

- "2.2.1. The maximum load rating corresponding to the load-capacity index for tyres with a speed category less than or equal to 210 km/h (speed-category symbol "H");
- 2.2.2. The maximum load rating associated with a maximum operating speed of 240 km/h for tyres with speed-category symbol "V" (see paragraph 2.35.3. of this Regulation);
- 2.2.3. The maximum load rating associated with a maximum operating speed of 270 km/h for tyres with speed-category symbol "W" (see paragraph 2.35.5. of this Regulation);"

Annex 8,

Table "Table load capacities at various speeds", replace "Speed Symbol" by "Speed-Category Symbol".

"Table for all terrain tyres (AT) with speed symbol "F"", rename to "Table for all terrain (AT) tyres with speed-category symbol "F"". "

Annex 9, paragraph 4.1, table, amend to read:

"

Speed-Category Symbol	H_{dyn} (mm)	
	Category of Use: Normal	Category of Use: Snow and special-use
P/Q/R/S	$H \times 1.10$	$H \times 1.15$

T/U/H	$H \times 1.13$	$H \times 1.18$
V/W	$H \times 1.16$	$H \times 1.21$

"
