

**Economic and Social Council**Distr.: General
11 April 2017

Original: English

Economic Commission for Europe**Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****172nd session**

Geneva, 20-23 June 2017

Item 4.8.1 of the provisional agenda

**1958 Agreement: Consideration of draft amendments
to existing Regulations submitted by GRRF****Proposal for Supplement 22 to Regulation No. 54 (Tyres for
commercial vehicles and their trailers)****Submitted by the Working Party on Brakes and Running Gear***

The text reproduced below was adopted by the Working Party on Brakes and Running Gear (GRRF) at its eighty-third session (ECE/TRANS/WP.29/GRRF/83, para. 33). It is based on ECE/TRANS/WP.29/GRRF/2016/35 as amended by Annex VII to the report, ECE/TRANS/WP.29/GRRF/2016/36 and ECE/TRANS/WP.29/GRRF/2017/4. 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 2017 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2016–2017 (ECE/TRANS/254, para. 159 and ECE/TRANS/2016/28/Add.1, cluster 3.1), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

GE.17-05896(E)



* 1 7 0 5 8 9 6 *

Please recycle The recycling symbol, consisting of three chasing arrows forming a triangle.



Supplement 22 to Regulation No. 54 (Tyres for commercial vehicles and their trailers)

Paragraph number 2.17.1.3.1., correct to read 2.20.1.3.1.

Paragraph 3.1.5., amend to read:

"3.1.5. The inscription 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 2.5.2."

Paragraph 3.1.10., amend to read (delete the reference to footnote 5):

"3.1.10. An indication, by the "PSI" index, of the inflation pressure to be adopted for the load/speed endurance tests, as explained in Annex 7, Appendix 2. However, this indication, which it is permissible to restrict to one sidewall, shall not be mandatory, on any tyre submitted for approval, until two years after the date of entry into force of this Regulation"

Paragraph 6.1.5.3.3., amend to read:

"6.1.5.3.3. For snow tyres of the category of use "snow tyre" the outer diameter shall not exceed the following value

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

where D_{\max} is the maximum outer diameter established in conformity with the above."

Paragraph 11., amend to read

"11. Names and addresses of Technical Services responsible for conducting approval tests, of test laboratories, and of Type Approval Authorities"

Appendix 1, note 1, amend to read:

"Endurance-test programme

Load index	Tyre speed category symbol	Test-drum speed		Load placed on the wheel as a percentage of the load corresponding to the load index		
		Radial-ply km/h ⁻¹	Diagonal (bias-ply) km/h ⁻¹	7 h.	16 h.	24 h.
122 or more	F	32	32			
	G	40	32			
	J	48	40			
	K	56	48			
	L	64	-			
	M	72	-	66 %	84 %	101 %

Load index	Tyre speed category symbol	Test-drum speed		Load placed on the wheel as a percentage of the load corresponding to the load index		
		Radial-ply km/h ¹	Diagonal (bias-ply) km/h ¹	7 h.	16 h.	24 h.
121 or less	F	32	32			
	G	40	40			
	J	48	48			
	K	56	56			
	L	64	56	70 % <u>4 h.</u>	88 % <u>6 h.</u>	106 %
	M	80	64	75 %	97 %	114 %
	N	88	-	75 %	97 %	114 %
	P	96	-	75 %	97 %	114 %

Notes:

- (1) "Special-use" tyres (see paragraph 2.1.3. of this Regulation) should be tested at a speed equal to 85 per cent of the speed prescribed for equivalent normal tyres.

Annex 3,

The table, amend to read:

"

	Minimum heights of markings (mm)
b	6
c	4
d	6

"

Annex 5,

Part II, Table B, add the following entries:

"

Tyre-size designation (+)	Measuring rim width code	Nominal rim diameter d (mm)	Outer diameter D (mm)		Section width S (mm)
			Normal	Snow	
...					
33x11.50R20LT	9.00	508	826	832	290
35x11.50R17LT	9.00	432	877	883	290
37x13.50R26LT	11.00	660	928	934	345
36x15.50R20LT	12.50	508	902	908	395
40x15.50R26LT	12.50	660	1004	1010	395
...					

"