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**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**[[1]](#footnote-2)\*

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.

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

Dmax,snow = 1.01 • Dmax rounded to the nearest mm

where Dmax 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  G  J  K  L  M | 32  40  48  56  64  72 | 32  32  40  48  -  - | 66 % | 84 % | 101 % |
| 121 or less | F  G  J  K | 32  40  48  56 | 32  40  48  56 |  |  |  |
|  | L  M  N  P | 64  80  88  96 | 56  64  -  - | 70 %  *4 h*.  75 %  75 %  75 % | 88 %  *6 h.*  97 %  97 %  97 % | 106 %  114 %  114 %  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  35x11.50R17LT  37x13.50R26LT  36x15.50R20LT  40x15.50R26LT  … | 9.00  9.00  11.00  12.50  12.50 | 508  432  660  508  660 | 826  877  928  902  1004 | 832  883  934  908  1010 | 290  290  345  395  395 |

"

1. \* 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. [↑](#footnote-ref-2)