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**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations**

**Working Party on Brakes and Running Gear**

**Eighty-first session**

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Item 7(c) of the provisional agenda

**Tyres – Regulation No. 54**

Proposal for amendment to Regulation No. 54 (Tyres for commercial vehicles and their trailers)

Submitted by the experts from the European Tyre and Rim Technical Organisation[[1]](#footnote-2)\*

The text reproduced below was prepared by the experts from the European Tyre and Rim Technical Organisation (ETRTO) in order to amend Annex 5 of Regulation No. 54 to include new sizes. The modifications to the existing text of the Regulation are marked in bold for new or struck through for deleted characters.

1. Proposal

*Annex 5, part II, table B,* add the following entries:

"Table B

Tyres for light commercial vehicles (high flotation tyres)

Diagonal and radial

| *Tyre-size designation1* | *Measuring rim width code* | *Nominal rim diameter*  *d (mm)* | *Outer diameter D (mm)2* | | *Section width S (mm)3* |
| --- | --- | --- | --- | --- | --- |
| *Normal* | *Snow* |
| 9-15LT | 8.00 | 381 | 744 | 755 | 254 |
| 10-15LT | 8.00 | 381 | 773 | 783 | 264 |
| 11-15LT | 8.00 | 381 | 777 | 788 | 279 |
|  |  |  |  |  |  |
| 24x7.50-13LT | 6.00 | 330 | 597 | 604 | 191 |
| 27x8.50-14LT | 7.00 | 356 | 674 | 680 | 218 |
| 28x8.50-15LT | 7.00 | 381 | 699 | 705 | 218 |
| 29x9.50-15LT | 7.50 | 381 | 724 | 731 | 240 |
| 30x9.50-15LT | 7.50 | 381 | 750 | 756 | 240 |
| 31x10.50-15LT | 8.50 | 381 | 775 | 781 | 268 |
| 31x11.50-15LT | 9.00 | 381 | 775 | 781 | 290 |
| 31x12.50R15LT | 10.00 | 381 | 775 | 781 | 318 |
| 31x13.50-15LT | 11.00 | 381 | 775 | 781 | 345 |
| 31x15.50-15LT | 12.00 | 381 | 775 | 781 | 390 |
| 32x11.50-15LT | 9.00 | 381 | 801 | 807 | 290 |
| 33x9.50 R15LT | 7.50 | 381 | 826 | 832 | 240 |
| 33x10.50R15LT | 8.50 | 381 | 826 | 832 | 268 |
| 33x10.50R17LT | 8.50 | 432 | 826 | 832 | 268 |
| 33x10.50R18LT | 8.50 | 457 | 826 | 832 | 268 |
| 33x11.50R18LT | 9.00 | 457 | 826 | 832 | 290 |
| 33x12.50-15LT | 10.00 | 381 | 826 | 832 | 318 |
| 33x12.50R17LT | 10.00 | 432 | 826 | 832 | 318 |
| 33x12.50R18LT | 10.00 | 457 | 826 | 832 | 318 |
| 33x12.50R20LT | 10.00 | 508 | 826 | 832 | 318 |
| 33x12.50R22LT | 10.00 | 559 | 826 | 832 | 318 |
| 33x13.50R15LT | 11.00 | 381 | 826 | 832 | 345 |
| 33x15.50R15LT | 12.00 | 381 | 826 | 832 | 390 |
| 34x10.50R17LT | 8.50 | 432 | 851 | 858 | 268 |
| 34x12.50R18LT | 10.00 | 457 | 851 | 858 | 318 |
| **35x11.50R18LT** | **9.00** | **457** | **877** | **883** | **290** |
| **35x11.50R20LT** | **9.00** | **508** | **877** | **883** | **290** |
| 35x12.50-15LT | 10.00 | 381 | 877 | 883 | 318 |
| 35x12.50R17LT | 10.00 | 432 | 877 | 883 | 318 |
| 35x12.50R18LT | 10.00 | 457 | 877 | 883 | 318 |
| 35x12.50R20LT | 10.00 | 508 | 877 | 883 | 318 |
| 35x12.50R22LT | 10.00 | 559 | 877 | 883 | 318 |
| 35x13.50R15LT | 11.00 | 381 | 877 | 883 | 345 |
| 35x13.50R18LT | 11.00 | 457 | 877 | 883 | 345 |
| 35x13.50R20LT | 11.00 | 508 | 877 | 883 | 345 |
| 35x14.50R15LT | 12.00 | 381 | 877 | 883 | 372 |
| 36x13.50R18LT | 11.00 | 457 | 902 | 908 | 345 |
| 36x14.50R15LT | 12.00 | 381 | 902 | 908 | 372 |
| 36x14.50R17LT | 12.00 | 432 | 902 | 908 | 372 |
| 36x14.50R18LT | 12.00 | 457 | 902 | 908 | 372 |
| 36x15.50R15LT | 12.00 | 381 | 902 | 908 | 390 |
| **37x11.50R20LT** | **9.00** | **508** | **928** | **934** | **290** |
| 37x12.50-15LT | 10.00 | 381 | 928 | 934 | 318 |
| 37x12.50 R17LT | 10.00 | 432 | 928 | 934 | 318 |
| 37x12.50R18LT | 10.00 | 457 | 928 | 934 | 318 |
| 37x12.50R20LT | 10.00 | 508 | 928 | 934 | 318 |
| 37x12.50R22LT | 10.00 | 559 | 928 | 934 | 318 |
| 37x13.50R15LT | 11.00 | 381 | 928 | 934 | 345 |
| 37x13.50R17LT | 11.00 | 432 | 928 | 934 | 345 |
| 37x13.50R18LT | 11.00 | 457 | 928 | 934 | 345 |
| 37x13.50R20LT | 11.00 | 508 | 928 | 934 | 345 |
| 37x13.50R22LT | 11.00 | 559 | 928 | 934 | 345 |
| 37x13.50R24LT | 11.00 | 610 | 928 | 934 | 345 |
| 37x14.50-15LT | 12.00 | 381 | 928 | 934 | 372 |
| 38x13.50R17LT | 11.00 | 432 | 953 | 959 | 345 |
| 38x13.50R20LT | 11.00 | 508 | 953 | 959 | 345 |
| **38x13.50R22LT** | **11.00** | **559** | **953** | **959** | **345** |
| 38x13.50R24LT | 11.00 | 610 | 953 | 959 | 345 |
| 38x14.50R17LT | 12.00 | 432 | 953 | 959 | 372 |
| 38x14.50R18LT | 12.00 | 457 | 953 | 959 | 372 |
| 38x14.50R20LT | 12.00 | 508 | 953 | 959 | 372 |
| 38x15.50R15LT | 12.00 | 381 | 953 | 959 | 390 |
| 38x15.50R17LT | 12.00 | 432 | 953 | 959 | 390 |
| 38x15.50R18LT | 12.00 | 457 | 953 | 959 | 390 |
| 38x15.50R20LT | 12.00 | 508 | 953 | 959 | 390 |
| 39x13.50R17LT | 11.00 | 432 | 978 | 985 | 345 |
| 40x13.50R17LT | 11.00 | 432 | 1004 | 1010 | 345 |
| 40x13.50R20LT | 11.00 | 508 | 1004 | 1010 | 345 |
| 40x14.50R17LT | 12.00 | 432 | 1004 | 1010 | 372 |
| 40x14.50R18LT | 12.00 | 457 | 1004 | 1010 | 372 |
| 40x14.50R20LT | 12.00 | 508 | 1004 | 1010 | 372 |
| 40x15.50R20LT | 12.00 | 508 | 1004 | 1010 | 390 |
| 40x15.50R22LT | 12.00 | 559 | 1004 | 1010 | 390 |
| 40x15.50R24LT | 12.00 | 610 | 1004 | 1010 | 390 |
| 42x14.50R17LT | 12.00 | 432 | 1055 | 1061 | 372 |
| 42x14.50R20LT | 12.00 | 508 | 1055 | 1061 | 372 |
|  | | | | | |
| 8.00-16.5LT | 6.00 | 419 | 720 | 730 | 203 |
| 8.75-16.5LT | 6.75 | 419 | 748 | 759 | 222 |
| 9.50-16.5LT | 6.75 | 419 | 776 | 787 | 241 |
| 10-16.5LT | 8.25 | 419 | 762 | 773 | 264 |
| 12-16.5LT | 9.75 | 419 | 818 | 831 | 307 |
|  | | | | | |
| 30x9.50-16.5LT | 7.50 | 419 | 750 | 761 | 240 |
| 31x10.50-16.5LT | 8.25 | 419 | 775 | 787 | 266 |
| 33x12.50-16.5LT | 9.75 | 419 | 826 | 838 | 315 |
| 35x12.50 R16.5LT | 10.00 | 419 | 877 | 883 | 318 |
| 37x12.50-16.5LT | 9.75 | 419 | 928 | 939 | 315 |
| 37x14.50-16.5LT | 11.25 | 419 | 928 | 939 | 365 |
| 1 Tyres in Radial construction are identified by the letter "R" in place of "-" (e.g. 24x7.50 R 13LT).  2 Coefficient 'b' for the calculation of Dmax: 1.07.  3 Overall width may exceed this value up to +7 per cent." | | | | | |

II. Justification

It is proposed to add these sizes as they are to be sold in countries requiring Type Approval according to UN Regulation No. 54.

1. \* In accordance with the programme of work of the Inland Transport Committee for 2014–2018 (ECE/TRANS/240, para. 105 and ECE/TRANS/2014/26, programme activity 02.4), 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)