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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****Seventy-ninth session**

Geneva, 16-20 February 2015

Item 7(c) of the provisional agenda

**Tyres – Regulation No. 54****Proposal for an amendment to Regulation No. 54 (Tyres for commercial vehicles and their trailers)****Submitted by the experts from the European Tyre and Rim Technical Organisation\***

The text reproduced below was prepared by the experts from the European Tyre and Rim Technical Organisation (ETRTO) in order to add new tyres for light commercial vehicles (high flotation tyres) in Annex 5 of UN Regulation No. 54. The modifications to the existing text of the Regulation are marked in bold for new or strikethrough for deleted characters.

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\* In accordance with the programme of work of the Inland Transport Committee for 2012–2016 (ECE/TRANS/224, para. 94 and ECE/TRANS/2012/12, 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.

## I. Proposal

Annex 5, part II, table B, amend to read:

"Table B

Tyres for light commercial vehicles (high flotation tyres)

Diagonal and radial

Tyre-size designation <sup>1</sup>	Measuring rim width code	Nominal rim diameter <i>d</i> (mm)	Outer diameter <i>D</i> (mm) <sup>2</sup>		Section width <i>S</i> (mm) <sup>3</sup>
			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
<b>31x12.50R15LT</b>	<b>10.00</b>	<b>381</b>	<b>775</b>	<b>781</b>	<b>318</b>
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
<b>33x10.50R15LT</b>	<b>8.50</b>	<b>381</b>	<b>826</b>	<b>832</b>	<b>268</b>
<b>33x10.50R17LT</b>	<b>8.50</b>	<b>432</b>	<b>826</b>	<b>832</b>	<b>268</b>
<b>33x10.50R18LT</b>	<b>8.50</b>	<b>457</b>	<b>826</b>	<b>832</b>	<b>268</b>
<b>33x11.50R18LT</b>	<b>9.00</b>	<b>457</b>	<b>826</b>	<b>832</b>	<b>290</b>
33x12.50-15LT	10.00	381	826	832	318
<b>33x12.50R17LT</b>	<b>10.00</b>	<b>432</b>	<b>826</b>	<b>832</b>	<b>318</b>
<b>33x12.50R18LT</b>	<b>10.00</b>	<b>457</b>	<b>826</b>	<b>832</b>	<b>318</b>
<b>33x12.50R20LT</b>	<b>10.00</b>	<b>508</b>	<b>826</b>	<b>832</b>	<b>318</b>
<b>33x12.50R22LT</b>	<b>10.00</b>	<b>559</b>	<b>826</b>	<b>832</b>	<b>318</b>
<b>33x13.50R15LT</b>	<b>11.00</b>	<b>381</b>	<b>826</b>	<b>832</b>	<b>345</b>
<b>33x15.50R15LT</b>	<b>12.00</b>	<b>381</b>	<b>826</b>	<b>832</b>	<b>390</b>
<b>34x10.50R17LT</b>	<b>8.50</b>	<b>432</b>	<b>851</b>	<b>858</b>	<b>268</b>
<b>34x12.50R18LT</b>	<b>10.00</b>	<b>457</b>	<b>851</b>	<b>858</b>	<b>318</b>
35x12.50-15LT	10.00	381	877	883	318
<b>35x12.50R17LT</b>	<b>10.00</b>	<b>432</b>	<b>877</b>	<b>883</b>	<b>318</b>
<b>35x12.50R18LT</b>	<b>10.00</b>	<b>457</b>	<b>877</b>	<b>883</b>	<b>318</b>
<b>35x12.50R20LT</b>	<b>10.00</b>	<b>508</b>	<b>877</b>	<b>883</b>	<b>318</b>

Tyre-size designation <sup>1</sup>	Measuring rim width code	Nominal rim diameter <i>d</i> (mm)	Outer diameter <i>D</i> (mm) <sup>2</sup>		Section width <i>S</i> (mm) <sup>3</sup>
			Normal	Snow	
<b>35x12.50R22LT</b>	<b>10.00</b>	<b>559</b>	<b>877</b>	<b>883</b>	<b>318</b>
<b>35x13.50R15LT</b>	<b>11.00</b>	<b>381</b>	<b>877</b>	<b>883</b>	<b>345</b>
<b>35x13.50R18LT</b>	<b>11.00</b>	<b>457</b>	<b>877</b>	<b>883</b>	<b>345</b>
<b>35x13.50R20LT</b>	<b>11.00</b>	<b>508</b>	<b>877</b>	<b>883</b>	<b>345</b>
<b>35x14.50R15LT</b>	<b>12.00</b>	<b>381</b>	<b>877</b>	<b>883</b>	<b>372</b>
<b>36x13.50R18LT</b>	<b>11.00</b>	<b>457</b>	<b>902</b>	<b>908</b>	<b>345</b>
<b>36x14.50R15LT</b>	<b>12.00</b>	<b>381</b>	<b>902</b>	<b>908</b>	<b>372</b>
<b>36x14.50R17LT</b>	<b>12.00</b>	<b>432</b>	<b>902</b>	<b>908</b>	<b>372</b>
<b>36x14.50R18LT</b>	<b>12.00</b>	<b>457</b>	<b>902</b>	<b>908</b>	<b>372</b>
<b>36x15.50R15LT</b>	<b>12.00</b>	<b>381</b>	<b>902</b>	<b>908</b>	<b>390</b>
37x12.50-15LT	10.00	381	928	934	318
37x12.50 R17LT	10.00	432	928	934	318
<b>37x12.50R18LT</b>	<b>10.00</b>	<b>457</b>	<b>928</b>	<b>934</b>	<b>318</b>
<b>37x12.50R20LT</b>	<b>10.00</b>	<b>508</b>	<b>928</b>	<b>934</b>	<b>318</b>
<b>37x12.50R22LT</b>	<b>10.00</b>	<b>559</b>	<b>928</b>	<b>934</b>	<b>318</b>
<b>37x13.50R15LT</b>	<b>11.00</b>	<b>381</b>	<b>928</b>	<b>934</b>	<b>345</b>
<b>37x13.50R17LT</b>	<b>11.00</b>	<b>432</b>	<b>928</b>	<b>934</b>	<b>345</b>
<b>37x13.50R18LT</b>	<b>11.00</b>	<b>457</b>	<b>928</b>	<b>934</b>	<b>345</b>
<b>37x13.50R20LT</b>	<b>11.00</b>	<b>508</b>	<b>928</b>	<b>934</b>	<b>345</b>
<b>37x13.50R22LT</b>	<b>11.00</b>	<b>559</b>	<b>928</b>	<b>934</b>	<b>345</b>
<b>37x13.50R24LT</b>	<b>11.00</b>	<b>610</b>	<b>928</b>	<b>934</b>	<b>345</b>
37x14.50-15LT	12.00	381	928	934	372
<b>38x13.50R17LT</b>	<b>11.00</b>	<b>432</b>	<b>953</b>	<b>959</b>	<b>345</b>
<b>38x13.50R20LT</b>	<b>11.00</b>	<b>508</b>	<b>953</b>	<b>959</b>	<b>345</b>
<b>38x13.50R24LT</b>	<b>11.00</b>	<b>610</b>	<b>953</b>	<b>959</b>	<b>345</b>
<b>38x14.50R17LT</b>	<b>12.00</b>	<b>432</b>	<b>953</b>	<b>959</b>	<b>372</b>
<b>38x14.50R18LT</b>	<b>12.00</b>	<b>457</b>	<b>953</b>	<b>959</b>	<b>372</b>
<b>38x14.50R20LT</b>	<b>12.00</b>	<b>508</b>	<b>953</b>	<b>959</b>	<b>372</b>
<b>38x15.50R15LT</b>	<b>12.00</b>	<b>381</b>	<b>953</b>	<b>959</b>	<b>390</b>
<b>38x15.50R17LT</b>	<b>12.00</b>	<b>432</b>	<b>953</b>	<b>959</b>	<b>390</b>
<b>38x15.50R18LT</b>	<b>12.00</b>	<b>457</b>	<b>953</b>	<b>959</b>	<b>390</b>
<b>38x15.50R20LT</b>	<b>12.00</b>	<b>508</b>	<b>953</b>	<b>959</b>	<b>390</b>
<b>39x13.50R17LT</b>	<b>11.00</b>	<b>432</b>	<b>978</b>	<b>985</b>	<b>345</b>
<b>40x13.50R17LT</b>	<b>11.00</b>	<b>432</b>	<b>1004</b>	<b>1010</b>	<b>345</b>
<b>40x13.50R20LT</b>	<b>11.00</b>	<b>508</b>	<b>1004</b>	<b>1010</b>	<b>345</b>
<b>40x14.50R17LT</b>	<b>12.00</b>	<b>432</b>	<b>1004</b>	<b>1010</b>	<b>372</b>
<b>40x14.50R18LT</b>	<b>12.00</b>	<b>457</b>	<b>1004</b>	<b>1010</b>	<b>372</b>
<b>40x14.50R20LT</b>	<b>12.00</b>	<b>508</b>	<b>1004</b>	<b>1010</b>	<b>372</b>
<b>40x15.50R20LT</b>	<b>12.00</b>	<b>508</b>	<b>1004</b>	<b>1010</b>	<b>390</b>
<b>40x15.50R22LT</b>	<b>12.00</b>	<b>559</b>	<b>1004</b>	<b>1010</b>	<b>390</b>
<b>40x15.50R24LT</b>	<b>12.00</b>	<b>610</b>	<b>1004</b>	<b>1010</b>	<b>390</b>

Tyre-size designation <sup>1</sup>	Measuring rim width code	Nominal rim diameter <i>d</i> (mm)	Outer diameter <i>D</i> (mm) <sup>2</sup>		Section width <i>S</i> (mm) <sup>3</sup>
			Normal	Snow	
<b>42x14.50R17LT</b>	<b>12.00</b>	<b>432</b>	<b>1055</b>	<b>1061</b>	<b>372</b>
<b>42x14.50R20LT</b>	<b>12.00</b>	<b>508</b>	<b>1055</b>	<b>1061</b>	<b>372</b>
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

<sup>1</sup> Tyres in Radial construction are identified by the letter "R" in place of "-" (e.g. 24x7.50 R 13LT).

<sup>2</sup> Coefficient 'b' for the calculation of Dmax: 1.07.

<sup>3</sup> Overall width may exceed this value up to +7 per cent. "

## II. Justification

These tyres are commonly used in some of the countries covered by the 1958 Agreement.