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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***

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.

* 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.



I. 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 designation ¹	Measuring rim width code	Nominal rim diameter <i>d</i> (mm)	Outer diameter <i>D</i> (mm) ²		Section width <i>S</i> (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

Tyre-size designation ¹	Measuring rim width code	Nominal rim diameter <i>d</i> (mm)	Outer diameter <i>D</i> (mm) ²		Section width <i>S</i> (mm) ³
			Normal	Snow	
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

Tyre-size designation ¹	Measuring rim width code	Nominal rim diameter <i>d</i> (mm)	Outer diameter <i>D</i> (mm) ²		Section width <i>S</i> (mm) ³
			Normal	Snow	
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	
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 D_{max} : 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.