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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****Eightieth session**

Geneva, 15-18 September 2015

Item 7(f) of the provisional agenda

**Tyres – Regulation No. 109****Proposal for an amendment to Regulation No. 109  
(Retreaded tyres for commercial vehicles and their trailers)****Submitted by the expert from the Slovakia\***

The text reproduced below was prepared by the expert from the Slovakia amending the table containing the endurance test programme in UN Regulation No. 109. 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 7, Appendix 1, amend to read:

### Endurance-test programme

Load index	Speed symbol	Test-drum speed [ <del>min</del> <sup>-1</sup> km.h <sup>-1</sup> ]		Load placed on the wheel as a percentage of the load corresponding to the load index		
		Radial-ply	Diagonal (bias ply) and bias belted	7 h.	16 h.	24 h.
122 or more	F	<del>100</del> <b>32</b>	<del>100</del> <b>32</b>	66%	84%	101%
	G	<del>125</del> <b>40</b>	<del>100</del> <b>32</b>			
	J	<del>150</del> <b>48</b>	<del>125</del> <b>40</b>			
	K	<del>175</del> <b>56</b>	<del>150</del> <b>48</b>			
	L	<del>200</del> <b>64</b>	-			
	M	<del>225</del> <b>72</b>	-			
121 or less	F	<del>100</del> <b>32</b>	<del>100</del> <b>32</b>	70%	88%	106%
	G	<del>125</del> <b>40</b>	<del>125</del> <b>40</b>			
	J	<del>150</del> <b>48</b>	<del>150</del> <b>48</b>			
	K	<del>175</del> <b>56</b>	<del>175</del> <b>56</b>			
	L	<del>200</del> <b>64</b>	<del>175</del> <b>56</b>	4 h.	6 h.	
	M	<del>250</del> <b>80</b>	<del>200</del> <b>64</b>	75%	97%	114%
	N	<del>275</del> <b>88</b>	-	75%	97%	114%
	P	<del>300</del> <b>96</b>	-	75%	97%	114%

Notes:

(1) "Special-use" tyres (see paragraph 2.3.2. of this Regulation) shall be tested at a speed equal to 85 per cent of the speed prescribed for equivalent normal tyres.

(2) Tyres having a load capacity index equal to or greater than ~~121~~ **122**, a speed category symbol "N" or "P" and the additional markings "C" or "LT" included in the tyre size designation (referred to in paragraph ~~3.2.13.~~ **3.2.14.** of this Regulation), shall be tested with the same programme as specified in the above table for tyres having a load capacity index equal to or less than 121.

## II. Justification

It is proposed to change measurement units for drum speed from min<sup>-1</sup> to km.h<sup>-1</sup> to align the requirements with other tyre regulations. The proposed text also amends an incorrect reference to para. 3.2.13. of the Regulation and an incorrect boundary value of load index.