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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**

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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 expert from Slovakia***

The text reproduced below was prepared by the expert from Slovakia Republic amending the table with the endurance test programme in Regulation No. 54. The modifications to the existing text of the Regulation are marked in bold for new or strikethrough for deleted characters.

* 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 | 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 $\text{min}^{-1} \text{ km.h}^{-1}$ | Diagonal (bias-ply) $\text{min}^{-1} \text{ km.h}^{-1}$ | 7 h. | 16 h. | 24 h. |
| 122 or more | F | 100 32 | 100 32 | 66 % | 84 % | 101 % |
| | G | 125 40 | 100 32 | | | |
| | J | 150 48 | 125 40 | | | |
| | K | 175 56 | 150 48 | | | |
| | L | 200 64 | - | | | |
| | M | 225 72 | - | | | |
| 121 or less | F | 100 32 | 100 32 | <u>70 %</u> | <u>88 %</u> | 106 % |
| | G | 125 40 | 125 40 | | | |
| | J | 150 48 | 150 48 | <u>4 h.</u> | <u>6 h.</u> | 114 % |
| | K | 175 56 | 175 56 | | | |
| | L | 200 64 | 175 56 | 75 % | 97 % | 114 % |
| | M | 250 80 | 200 64 | 75 % | 97 % | 114 % |
| | N | 275 88 | - | 75 % | 97 % | 114 % |
| | P | 300 96 | - | 75 % | 97 % | 114 % |

Notes:

- (1) "Special-use" tyres (see paragraph 2.1.3. of the Regulation) should be tested at a speed equal to 85 per cent of the speed prescribed for equivalent normal tyres.
- (2) Tyres with load index 122 or more, speed categories **category symbols** N or P and the additional marking "LT", or "C", referred to in paragraph 3.1.13. of this Regulation, shall be tested with the same programme as specified in the above table for tyres with load index 121 or less.

II. Justification

It is proposed to change the measurement units for drum speed from min^{-1} to km.h^{-1} to align the requirements with other tyre regulations. The proposed text also aligns wording in Annex 7, Appendix 1 with the text of the Regulation.