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**ECONOMIC COMMISSION FOR EUROPE**

**INLAND TRANSPORT COMMITTEE**

World Forum for Harmonization of Vehicle Regulations

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Geneva, 13-16 March 2007  
Item 4.2.14. of the provisional agenda

**PROPOSAL FOR SUPPLEMENT 5 TO REGULATION No. 106**

(Pneumatic tyres for agricultural vehicles)

Submitted by Working Party on Brakes and Running Gear (GRRF)

Note: The text reproduced below was adopted by GRRF at its sixtieth session. It is based on ECE/TRANS/WP.29/GRRF/2006/25, not amended. It is transmitted to World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration (see ECE/TRANS/WP.29/GRRF/60, para. 33).

Annex 9Paragraph 3.1., amend to read:

"3.1. Mount the tyre and wheel assembly on the test axle and press it against the outer face of a smooth power-driven test drum of at least 1700 mm  $\pm$  1 per cent in diameter having a surface at least as wide as the tyre tread."

Insert a new paragraph 3.4.1., to read:

"3.4.1. In case of a test drum diameter larger than 1700 mm  $\pm$  1 per cent, the above "percentage of test load" shall be increased as follows:

$F_1 = K \cdot F_2$  where:

$$K = \sqrt{\frac{(R_1/R_2) \cdot (R_2 + r_T)}{(R_1 + r_T)}}$$

$R_1$  is the diameter of test drum, in millimeter

$R_2$  is the diameter of the reference test drum of 1700 mm

$r_T$  is the tyre outer diameter (see paragraph 6.2. of this Regulation), in millimeter

$F_1$  is the percentage of load to be applied for the test drum

$F_2$  is the percentage of load, as per above table, to be applied for reference test drum of 1700 mm

Example:  $K = 1$  for a test drum diameter of 1700 mm;

In case of a test drum diameter of 3000 mm and a tyre diameter of 1500 mm:

$$K = \sqrt{\frac{(3000/1700) \cdot (1700 + 1500)}{(3000 + 1500)}} = 1.12 "$$

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