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(Fifty-sixth session, 20-22 September 2004,
agenda item 6.5.)

PROPOSAL FOR DRAFT AMENDMENT TO
REGULATION No. 109

(Retreaded pneumatic tyres for commercial vehicles)

Transmitted by the expert from the United Kingdom

Note: The text reproduced below was prepared by the experts from the United Kingdom. It is based on informal document GRRF-55-12 (TRANS/WP.29/GRRF/55, para. 46). The aim of the proposal is to align Regulation No. 109 with the text of Regulation No. 54 (pneumatic tyres for commercial vehicles), amended by the series of amendments 3 and 4, Supplement 15 and document TRANS/WP.29/GRRF/2004/2.

Note: This document is distributed to the Experts on Brakes and Running Gear only.

A. PROPOSAL

Paragraph 2.21.2., amend to read:

" in annex 5 to this Regulation or, depending on the tyre design type, for example, tyres identified by the tyre to rim fitment configuration symbol "A" (see paragraph 2.21.4.), the nominal outer diameter expressed in mm."

Insert new paragraphs 3.2.13. to 3.2.15., to read:

- "3.2.13. The suffix "C" or "LT" following the rim diameter marking referred to in paragraph 2.21.3., and, if applicable, after the tyre to rim fitment configuration symbol referred to in paragraph 2.21.4.
- 3.2.13.1. this marking is optional in the case of tyres fitted on 5⁰ drop centre rims, suitable for single and dual fitment, having a load capacity index in single fitment equal to or less than 121 and intended for the equipment of motor vehicles;
- 3.2.13.2. this marking is mandatory in the case of tyres fitted on 5⁰ drop centre rims, suitable for single fitment only, having a load capacity index equal to or greater than 122 and intended for the equipment of motor vehicles.
- 3.2.14. The suffix "CP" following the rim diameter marking referred to in paragraph 2.21.3. and, if applicable, after the tyre to rim configuration symbol referred to in paragraph 2.21.4. This marking is mandatory in the case of tyres fitted on 5⁰ drop centre rims, having a load capacity index in single fitment equal to or less than 121 and specifically designed for the equipment of motor caravans.
- 3.2.15. The inscription "FRT" (free rolling tyre) in the case of tyres designed for the equipment of trailer axles and axles of motor vehicles other than front steer or non-drive axles."

Insert new paragraph 7.1.1.1.1., to read:

- "7.1.1.1.1 In the case of tyres identified by the tyre to rim fitment configuration symbol "A" (see paragraph 2.21.4.) the factor "K" shall be 0.6."

Insert new paragraph 7.1.2.3., to read:

- "7.1.2.3. In the case of tyres identified by the tyre to rim fitment configuration symbol "A" (see paragraph 2.21.4.), the outer diameter shall be that specified in the tyre size designation shown on the sidewall of the tyre."

Insert new paragraph 7.1.4.3., to read:

- "7.1.4.3. In the case of tyres identified by the tyre to rim fitment configuration symbol "A" (see paragraph 2.21.4.), the overall width of the tyre, in the lower area of the tyre, equals the nominal width of the measuring rim (see paragraph 2.24.), plus 27 mm."

Paragraph 7.1.5.1.2., amend to read:

"7.1.5.1.2 For sizes referred to in paragraph 7.1.2.2. and for tyres identified by the tyre to rim fitment configuration symbol "A" (see paragraph 2.21.4.), the nominal section height "H" is equal to:

$$H = 0.5(D - d)$$

where "D" and "d" are as defined in paragraph 7.1.2.1."

Annex 7

Paragraph 2.1.1., amend to read:

"2.2.1. In the case of tyres with a speed capability greater than 150km/h (speed category symbol "Q" and above, plus "H") the test procedure shall be as given in paragraph 3 of this annex."

Paragraphs 3., amend to read:

"3. Load/speed test programme for tyres having a speed capability greater than 150km/h (speed category symbol "Q" and above, plus "H");"

Insert paragraphs 3.1. to 3.1.2., to read:

"3.1. This programme applies to:

3.1.1. all tyres having a load capacity index in single fitment equal to or less than 121;

3.1.2. tyres having a load capacity index in single fitment equal to or greater than 122 and having the additional marking "C" or "LT" referred to in paragraph 3.2.13. of this annex."

Paragraphs 3.1. to 3.5. (former), renumber as paragraphs 3.2. to 3.6.

Insert a new Note (2) to Annex 7, Appendix 1, to read:

"(2) Tyres having a load capacity index equal to or greater than 121, 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. 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."

B. JUSTIFICATION

Re. paragraph 2.21.2.:

This relates to paragraph 2.17.1.2. of the Supplement 15.

Re. paragraphs 3.2.13. to 3.2.15.:

This relates to paragraphs 3.1.13. to 3.1.14. of the Supplement 15 and to paragraph 3.1.15. of TRANS/WP.29/GRRF/2004/2.

Re. paragraph 7.1.1.1.1.:

This relates to paragraph 6.1.1.3. of the series of amendments 3.

Re. paragraph 7.1.2.3.:

This relates to paragraph 6.1.2.3. of the series of amendments 3.

Re. paragraph 7.1.4.3.:

This relates to to paragraph 6.1.4.3. of the series of amendments 3.

Re. paragraph 7.1.5.1.2.:

This relates to paragraph 6.1.5.1. of the series of amendments 3.

Re. Annex 7:

This relates to, Annex 7, Appendix 1, Note (2) of the series of amendments 4 and Annex 7, Appendix 1, Note (2) of the Supplement 15.
