

**PROPOSAL TO AMEND REGULATION No. 109**

Transmitted by the expert from the United Kingdom

**Proposal from the United Kingdom for amendments to Regulation No.109 to align the Regulation with agreed amendments to Regulation No.54 – Amendment 3, Amendment 4, Draft Supplement 15 (TRANS/WP.29/916) and TRANS/WP.29/GRRF/2004/3.**

The basis of this proposal has been highlighting by the proposal from France, TRANS/WP.29/GRRF/2004/3. It highlighted the difficulties in having separate Regulations for what are essentially the same products or systems and has indicated the need to further align Regulation No.109 (Retreaded Tyres for Commercial Vehicles) with other recent and relevant amendments to Regulation No.54 (New Tyres for Commercial Vehicles).

*(The references in italics relate to Regulation 54).*

***The above proposals aim to address the present non-alignment of the two Regulations.***

**A - PROPOSAL**

Paragraph 2.21.2 amend to read:

- 2.21.2 “ ..... 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.

*Note: This relates to Draft Supplement 15, paragraph 2.17.1.2*

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 5<sup>0</sup> 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 5<sup>0</sup> 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 5<sup>0</sup> 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.

*Note: This relates to Draft Supplement 15, paragraphs 3.1.13 to 3.1.14 and to TRANS/WP.29/GRRF/2004/2, paragraph 3.1.15*

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.

*Note: This relates to Amendment 3, paragraph 6.1.1.3*

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.

*Note: This relates to Amendment 3, paragraph 6.1.2.3*

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 27mm.

*Note: This relates to Amendment 3, paragraph 6.1.4.3*

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.

*Note: This relates to Amendment 3, paragraph 6.1.5.1*

## **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.

Paragraph 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”);
- 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 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.

*Note: This relates to Amendment 4, Annex 7, Appendix 1, Note (2) and to Draft Supplement 15, Annex 7, Appendix 1, Note (2)*

---