

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 109
(To increase section width tolerances for retreaded tyres)

Note : The text reproduced below was prepared by the expert from ETRTO and BLIC. It aims to regularize an existing but unrecognized condition. The modifications to the existing text of the Regulation concerned are marked in **bold** characters.

A. PROPOSAL

Amend paragraph 6.5.4. to read:

"6.5.4. After retreading, the dimensions of the retreaded tyre, when measured in accordance with annex 6 to this Regulation, must conform either to dimensions calculated according to the procedures in paragraph 7 or to those given in annex 5 to this Regulation. Note that:

- the maximum outer diameter of a retreaded tyre may be up to 1.5 per cent greater than the maximum outer diameter of a new, original tyre permitted by Regulation No. 54
- **and the maximum section width of a radial retreaded tyre may be up to 1.5 per cent greater than the maximum section width of a new, original, radial tyre permitted by Regulation No. 54.**"

Amend paragraph 7.1.4.2. to read:

"7.1.4.2. It may exceed the value by **5.5** per cent in the case of radial-ply tyres and 8 per cent in the case of diagonal (bias-ply) tyres. However, for tyres with nominal section width exceeding 305 mm intended for dual mounting (twinning), the value determined pursuant to paragraph 7.1.1. above shall not be exceeded by more than **3.5** per cent for radial-ply tyres with nominal aspect ratio higher than 60 or 4 per cent for diagonal (bias-ply) tyres."

Amend Annex 5, to read:

"Note that with reference to paragraph 6.5.4. of this Regulation, the outer diameter of a retreaded tyre, **and the section width of a radial retreaded tyre**, may in all cases be greater than that shown in the tables in Annex 5 to Regulation No. 54 but by no more than **1.5** per cent."

B. JUSTIFICATIONS

When Regulation No. 109 was created, tolerances for outside diameter were increased over those given in Regulation No. 54 due to the known increase in diameter when a tyre is used. The inevitable growth of the section width during tyre use, was not considered. Consequently, a new tyre that is at the maximum width allowed by Regulation No. 54 would not be retreadable today because the section width tolerances for the Regulation 109 are identical to those of Regulation No. 54.

To correct this incoherence, it is proposed to amend Regulation No. 109, in order to allow radial retreaded tyres to be 1.5% wider than the maximum authorised for the same new tyre size in Regulation No. 54. This corresponds to the same increase allowed for the diameter of retreaded tyres with respect to the new tyre.

Logic imposes that Regulation No. 109 be modified to take into account this increase in section width with the use of the tyre, so that the retreading industry will not be penalized. It should be noted that this modification will not actually change the width of retreaded tyres on the market. It simply regularises a pre-existing but unrecognized condition.