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Working Party on the Construction of Vehicles

Working Party on Brakes and Running Gear (GRRF)  
(Forty-sixth session, 13-15 September 1999,  
agenda item 5.3.)

**PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 54**  
(Pneumatic tyres for commercial vehicles)

Transmitted by the expert from the European Tyre and  
Rim Technical Organization (ETRTO)

Note: The text reproduced below was prepared by the expert from the European Tyre and Rim Technical Organization (ETRTO) in order to include a new category of tyres.

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

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**A. PROPOSAL**

Insert a new paragraph 2.10.1., to read:

"2.10.1. However, in case of tyres identified by the "tyre to rim fitment configuration" (see paragraph 3.1.11.) symbol "A", it means the area of the tyre which is seating on the rim."

Insert new paragraphs 2.17.2. to 2.17.2.5., to read:

"2.17.2. In case of tyres identified by the "tyre to rim fitment configuration" (see paragraph 3.1.11.) symbol "A", a designation showing the information as per the following example: 235-700 R 450A.

2.17.2.1. The nominal section width expressed in mm (e.g. 235).

2.17.2.2. The outer diameter expressed in mm (e.g. 700).

2.17.2.3. The indication of the structure as per paragraph 3.1.3. (e.g. R).

2.17.2.4. The nominal diameter of the rim expressed in mm (e.g. 450).

2.17.2.5. The "tyre to rim fitment configuration" (see paragraph 3.1.3.) symbol "A"."

Insert a new paragraph 3.4.1., to read:

"3.4.1. However, for tyres identified by the "tyre to rim fitment configuration" (see paragraph 3.1.11.) symbol "A", the markings may be placed anywhere on the sidewall of the tyre."

Paragraph 5.4.1., footnote 4/, amend to read:

".... 29 for Estonia, 30 (vacant), 31 for Bosnia and Herzegovina, 32 for Latvia, 33-36 (vacant), 37 for Turkey, 38-39 (vacant), 40 for The former Yugoslav Republic of Macedonia, 41 (vacant), 42 for the European Community (Approvals are granted by its Member States using their respective ECE symbol) and 43 for Japan. Subsequent numbers shall be assigned to other countries in the chronological order in which they ratify or accede to the Agreement Concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions, and the numbers thus assigned shall be communicated by the Secretary-General of the United Nations to the Contracting Parties to the Agreement."

Insert a new paragraph 6.1.1.3., to read:

"6.1.1.3. However, for tyres identified by the "tyre to rim fitment configuration" (see paragraph 3.1.11.) symbol "A", K shall be taken to equal 0.6."

Insert a new paragraph 6.1.2.3., to read:

"6.1.2.3. However, for tyres identified by the "tyre to rim fitment configuration" (see paragraph 3.1.11.) symbol "A", the outer diameter shall be that specified in the tyre size designation as shown on the sidewall of the tyre."

Insert a new paragraph 6.1.4.3., to read:

"6.1.4.3. However, for tyres identified by the "tyre to rim fitment configuration" (see paragraph 3.1.11.) symbol "A", the overall width of the tyre, in the lower area of the tyre, equals the nominal width of the rim on which the tyre is mounted, as shown by the manufacturer in the descriptive note, increased by 27 mm."

Paragraph 6.1.5.1., amend to read:

"6.1.5.1. For sizes listed in annex 5 and for tyres identified by the "tyre to rim fitment configuration" (see paragraph 3.1.11.) symbol "A", the nominal section height H is equal to:

$H = 0.5 (D-d)$  - for references see paragraph 6.1.2.1."

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## **B. JUSTIFICATION**

ETRTO is requesting to amend Regulation No. 54 in order to include a new category of tyre identified by the marking of symbol "A" representing an asymmetric tyre to rim fitment configuration.

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