

ENGLISH  
Original: RUSSIAN

PROPOSAL FOR DRAFT SUPPLEMENT  
TO 01 SERIES OF AMENDMENTS TO REGULATION No. 117  
REGARDING MANUFACTURER'S INFORMATION  
ON ROLLING RESISTANCE COEFFICIENT

Note: This document contains proposals concerning declaration by the manufacturer of the value of the tyre rolling resistance coefficient at the time of type approval. Recently those proposals had been introduced for consideration at GRRF (document ECE/TRANS/WP.29/GRRF/2008/12). In accordance with the decision of GRRF (ECE/TRANS/WP.29/GRRF/64, paras. 35-38), endorsed by WP.29 (ECE/TRANS/WP.29/1070, para. 34), those proposals have been revised by the Russian Federation expert for inclusion into Regulation No. 117 as a supplement to the 01 series of amendments. For determination of the rolling resistance coefficient it is proposed to apply a harmonized method developed by ISO and ETRTO in conjunction with the Russian Federation, which is established in the standard ISO 28580. The proposed amendments in the text of the Regulation **are typed in bold and underlined.**

A. PROPOSAL

Insert a new paragraph 3.1.11., to read:

**"3.1.11. A value of the rolling resistance coefficient determined according to ISO 28580 for each tyre size indicated in paragraph 3.1.10.**

Paragraph 5.1., amend to read:

"5.1. If the representative tyre size of the type of tyre submitted for approval pursuant to this Regulation meets the requirements of paragraphs 6. and 7. below, **and the data on the rolling resistance coefficient submitted as required by the paragraph 3.1.11. above,** approval of that type of tyre shall be granted".

Add a new paragraph 12.4., to read:

**"12.4. As from [12] months after the date of entry into force of the supplement [X] to the 01 series of amendments, Contracting Parties applying this Regulation shall grant approvals only if for the tyre type to be approved the data on rolling resistance coefficient(s) is submitted in accordance with the provisions of this Regulation including Supplement [X] to the 01 series of amendments."**

Paragraph 12.4. (former), renumber as paragraph 12.5.

In Annex 1 (Communication), insert the new item 15.3., to read:

**"15.3. A value of the rolling resistance coefficient determined according to ISO 28580 for each tyre size included into the approved tyre type"**.

## B. JUSTIFICATION

At 2007 G8 Summit in Heiligendamm, Germany, the decision was made to take forward the concrete recommendations on energy efficiency presented by the International Energy Agency (IEA). The said recommendations on transport sector include implementing measures for deployment of fuel efficient tyres. Respectively, Governments should adopt new international test procedures for measuring the rolling resistance of tyres to set maximum rolling resistance limits and for road-vehicle tyre labeling. (References: WP.29-142-18, [http://www.iea.org/G8/docs/recommendations\\_heiligendamm.pdf](http://www.iea.org/G8/docs/recommendations_heiligendamm.pdf)). The World Forum for Harmonization of Vehicle Regulations (WP.29) shall make necessary steps in realization of IEA recommendations.

The present proposal refers to the ETRTO Reference method for tyre rolling resistance measurement set in the ISO 28580 and to the recent proposals of the Russian Federation (initially introduced in the informal document No. GRRF-56-14) concerning rolling resistance declaration. The proposed amendments can be applied right after publishing ISO 28580 standard. In the paragraph 3.1.11., it is taken into account that in the general case the range of tires referred to the representative size with indicated rolling resistance can differ from the range, indicated in the paragraph 3.1.10., connected to the sound level and wet grip performance.

Besides that it is also proposed to include the data on the rolling resistance coefficient into the type approval communication.

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