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World Forum for Harmonization of Vehicle Regulations**Working Party on Brakes and Running Gear****Eighty-third session**

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Item 7(e) of the provisional agenda

Tyres: Regulation No. 106**Proposal for amendments to Regulation No. 106 (Uniform provisions concerning the approval of pneumatic tyres for agricultural vehicles and their trailers)****Submitted by the experts from the European Tyre and Rim Technical Organisation***

The text reproduced below was prepared by the experts from the European Tyre and Rim Technical Organisation (ETRTO) proposing to add future code designated sizes in a new Resolution on Tyre Sizes proposed in ECE/TRANS/WP.29/GRRF/2017/6. The modifications to the existing text of the Regulation are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2016–2017 (ECE/TRANS/254, para. 159 and ECE/TRANS/2016/28/Add.1, cluster 3.1), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

GE.16-20064(E)



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I. Proposal

Paragraph 2.15.7., amend to read:

"2.15.7. However for tyres listed in Annex 5 **and/or in [ECE/... (Resolution on Tyre sizes)]** the "tyre size designation" is that shown in the first column of those tables."

Paragraph 2.18., amend to read:

"2.18. "Theoretical rim" means the notional rim whose width would be equal to X times the nominal section width of a tyre; the value "X" must be specified by the tyre manufacturer or the reference rim width is that mentioned in Annex 5 **and/or [ECE/... (Resolution on Tyre sizes)]** for the relevant "tyre size designation";"

Paragraph 3.1.8.2., amend to read:

"3.1.8.2. The inscription 'I-3' for implement tyres with traction tread as identified in Annex 5, Tables 5 and 6 **and/or in [ECE/... (Resolution on Tyre sizes)]**."

Paragraph 4.1.13., amend to read:

"4.1.13. The factor X referred to in paragraph 2.18. or the applicable table of Annex 5 **and/or of [ECE/... (Resolution on Tyre sizes)]**."

Paragraph 6.1.2., amend to read:

"6.1.2. However, for the types of tyre for which the size designation is given in the first column of the tables in Annex 5 **and/or [ECE/... (Resolution on Tyre sizes)]**, the theoretical rim width (A1) and the nominal section width (S1) are given opposite the tyre size designation in those tables."

Paragraph 6.2.2., amend to read:

"6.2.2. However, for the types of tyres for which the size designation is given in the first column of the tables of Annex 5 **and/or in [ECE/... (Resolution on Tyre sizes)]** the outer diameter (D) and the nominal rim diameter (d) expressed in mm are given opposite the tyre size designation in those tables."

Paragraph 6.3.1., amend to read:

"6.3.1. The overall width of a tyre may be less than the section width determined pursuant to paragraph 6.1., or shown in Annex 5 **and/or in [ECE/... (Resolution on Tyre sizes)]**;"

Paragraph 6.3.3., amend to read:

"6.3.3. However, for the types of tyre for which the size designation is given in the first column of the tables in Annex 5 **and/or in [ECE/... (Resolution on Tyre sizes)]**, the allowed percentages are those given in the relevant tables, if any."

Paragraph 6.4.1.1., amend to read:

"6.4.1.1. For sizes listed in Annex 5 **and/or in [ECE/... (Resolution on Tyre sizes)]**: $H = 0,5 (D - d)$
(for references see paragraph 6.2. above)."

Paragraph 6.4.3., amend to read:

"6.4.3. However, for the types of tyre for which the size designation is given in the first column of the tables in Annex 5 **and/or in [ECE/... (Resolution on Tyre sizes)]**, the allowed percentages are those given in the relevant tables, if any."

Annex 5, add the following sentence before Table 1:

"In case of Tyre Size designations not included in this Annex, refer to [ECE/...(Resolution on Tyre sizes)]."

II. Justification

Regulation No. 106 contains standardized tyre sizes, which often need to be updated, following the technical progress. In order to accelerate the update process of the Regulation and limit the number of amendments, it is proposed to insert in a new Resolution the standardized sizes and to refer to this Resolution in Annex 5. As a temporary solution to assess the effectiveness of such proposal, the Annex 5 of Regulation No. 106 will be kept as it is with no further updates. After a trial period of approximately two years and upon confirmation of effectiveness, the complete Annex 5 of Regulation No. 106 would be transferred to this Resolution on Tyre Sizes.
