Economic Commission for Europe
Inland Transport Committee
World Forum for Harmonization of Vehicle Regulations
Working Party on Brakes and Running Gear

Seventy-fifth session
Geneva, 17-19 September 2013
Item 7(b) of the provisional agenda
Tyres – Regulation No. 117

Proposal for corrigendum to Regulation No. 117 (Tyres, rolling resistance, rolling noise and wet grip)

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) in order to correct ECE/TRANS/WP.29/2012/54. 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 2010–2014 (ECE/TRANS/208, para. 106 and ECE/TRANS/2010/8, programme activity 02.4), 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.
I. Proposal

Annex 7

Paragraph 3.1.1., amend to read:

"3.1.1. Test course

The braking tests shall be done on a flat test surface of sufficient length and width, with a maximum 2 per cent gradient, covered with packed snow.

The snow surface shall be composed of a hard packed snow base at least 3 cm thick and a surface layer of medium packed and prepared snow about 2 cm thick.

The air temperature, measured about one meter above the ground, shall be between -2 °C and -15 °C; the snow temperature, measured at a depth of about one centimetre, shall be between -4 °C and -15 °C."

Appendix 2

Paragraph 2.1., amend the table to read:

<table>
<thead>
<tr>
<th></th>
<th>At start of tests</th>
<th>At end of tests</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>weather</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ambient temperature</td>
<td></td>
<td>-2 °C to -15 °C</td>
<td></td>
</tr>
<tr>
<td>snow temperature</td>
<td></td>
<td>-4 °C to -15 °C</td>
<td></td>
</tr>
<tr>
<td>CTI index</td>
<td></td>
<td></td>
<td>75 to 85</td>
</tr>
<tr>
<td>other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

II. Justification

The snow temperature range for the snow grip test in the document ECE/TRANS/WP.29/2012/54 e is prescribed as 4°C to -15°C. This is not the correct range.

As a reference, in ASTM 1805-06 (Standard Test Method for Single Wheel Driving Traction in a Straight Line on Snow- and Ice-Covered Surfaces) the range is -4°C to -15°C.

Amendments as shown in documents ECE-TRANS-WP29-GRRF-2011-29 are correct:

Annex 7, paragraph 3.1.1., amend to read (footnote 1 remains unchanged):

"3.1.1. Test course

The braking tests shall be done on a flat test surface of sufficient length and width, with a maximum 2 per cent gradient, covered with packed snow."
The snow surface shall be composed of a hard packed snow base at least 3 cm thick and a surface layer of medium packed and prepared snow about 2 cm thick.

The air temperature, measured about one meter above the ground, shall be between -2°C and -15°C; and the snow temperature, measured at a depth of about one centimetre, shall be between -4°C and -15°C.

It is recommended to avoid direct sunlight, large variations of sunlight or humidity, as well as wind.

The snow compaction index measured with a CTI penetrometer shall be between 75 and 85.

See appendix of ASTM standard F1805-06 for details.

Annex 7, Appendix, the title, amend to read: "Test Reports and Test Data for C1 and C2 tyres"

Paragraph 2.1., amend the table to read:

<table>
<thead>
<tr>
<th></th>
<th>At start of tests</th>
<th>At end of tests</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>weather</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ambient temperature</td>
<td></td>
<td>-2 °C to -15 °C</td>
<td></td>
</tr>
<tr>
<td>snow temperature</td>
<td></td>
<td>-4 °C to -15 °C</td>
<td></td>
</tr>
<tr>
<td>CTI index</td>
<td></td>
<td></td>
<td>75 to 85</td>
</tr>
<tr>
<td>other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>