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**ECONOMIC COMMISSION FOR EUROPE**

**INLAND TRANSPORT COMMITTEE**

World Forum for Harmonization of Vehicle Regulations

Working Party on Brakes and Running Gear

Sixty-sixth session

Geneva, 15-17 September 2009

Item 3(c) of the provisional agenda

REGULATIONS Nos. 13 AND 13-H  
(Braking)

Trailer braking

Proposal for amendments to Regulation No. 13

Submitted by the expert from Germany \*/

The text reproduced below was prepared by the expert from Germany to allow O<sub>3</sub> trailers to be type-approved using successful Type-III test results. The modifications to the existing text of the Regulation are marked in bold and strikethrough characters.

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\*/ In accordance with the programme of work of the Inland Transport Committee for 2006-2010 (ECE/TRANS/166/Add.1, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance performance of vehicles. The present document is submitted in conformity with that mandate.

A. PROPOSAL

Annex 4, items 3.1.2.4. and 3.1.2.5., amend to read:

"3.1.2.4. In addition, the vehicles shall undergo the Type-I test **or alternatively a Type-III test in the case of an O<sub>3</sub> trailer.**

3.1.2.5. In the Type-I **or the Type-III** test of a semi-trailer, the mass braked by the latter's axle(s) must correspond to the maximum axle load(s) (not including the king pin load)."

Annex 11, Appendix 3, item 2.3.2., amend to read:

"2.3.2. In the case of vehicles of **categories O<sub>3</sub> and O<sub>4</sub>...**"

B JUSTIFICATION

The proposal provides a simplified procedure for the type approval for O<sub>3</sub> trailer fitted with an axle type approved according to Type III tests.

Currently, if the same axle is used in both O<sub>3</sub> and O<sub>4</sub> trailers (depending on the number of axles used), it will be tested to both the Type-I (O<sub>3</sub> trailer) and the Type-III (O<sub>4</sub> trailer) requirements. The Type-III test is the more stringent test and a braking system meeting this requirement will also meet the Type-I test requirement. Therefore, it is proposed to allow that Type-III test results be also used for the type approval of a O<sub>3</sub> trailer.

The use of O<sub>4</sub> test results for O<sub>3</sub> trailers is already used in Regulation No. 13 (Annex 19, paragraph 5.1.2.).

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