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## Economic Commission for Europe

### Inland Transport Committee

### World Forum for Harmonization of Vehicle Regulations

#### 154<sup>th</sup> session

Geneva, 21–24 June 2011

Item 4.8.1 of the provisional agenda

#### **1958 Agreement – Consideration of draft amendments to existing Regulations submitted by GRRF**

### **Proposal for Supplement 8 to the 11 series of amendments to Regulation No. 13 (Heavy vehicles braking)**

#### **Submitted by the Working Party on Brakes and Running Gear\***

The text reproduced below was adopted by the Working Party on Brakes and Running Gear (GRRF) at its sixty-ninth session to mandate electronic stability control (ESC) on N<sub>3</sub> vehicles with 4 axles, to align the ESC malfunction tell-tale requirement with those of Federal Motor Vehicles Safety Standards (FMVSS) No. 126, and to clarify the periodic technical inspection requirements. It is based on ECE/TRANS/WP.29/GRRF/2011/3, on ECE/TRANS/GRRF/2011/11, and on ECE/TRANS/WP.29/GRRF/2010/26/Rev.1, all not amended (ECE/TRANS/WP.29/GRRF/69, paras. 10, 11 and 16). It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration.

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\* 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.

*Paragraph 5.1.4.7.*, amend to read:

"5.1.4.7. It shall be possible to verify, in a frequent and simple way, the correct... available."

*Insert a new paragraph 5.1.4.7.1.*, to read:

"5.1.4.7.1. Where the operational status is indicated to the driver by warning signals, as specified in this regulation, it shall be possible at a periodic technical inspection to confirm the correct operational status by visual observation of the warning signals following a power-on."

*Paragraph 5.1.4.7.1. (former)*, renumber as paragraph 5.1.4.7.2.

*Paragraph 5.2.1.32.*, amend to read:

"5.2.1.32. Subject to the provisions of paragraph 12.4. of this Regulation, all vehicles of the following categories shall be equipped with a vehicle stability function:

- (a) M<sub>2</sub>, M<sub>3</sub>, N<sub>2</sub> 12/ ;
- (b) N<sub>3</sub> 12/ having no more than 3 axles;
- (c) N<sub>3</sub> 12/ with 4 axles, with a maximum mass not exceeding 25 t and a maximum wheel diameter code not exceeding 19.5.

The vehicle stability function shall include roll-over control and directional control and meet the technical requirements of Annex 21 to this Regulation."

*Annex 21, paragraph 2.1.4.*, amend to read:

"2.1.4. Interventions of the vehicle stability function... for this purpose.

Additionally, interventions by systems related to the vehicle stability function (including traction control, trailer stability assist, corner brake control, and other similar functions that use throttle and/or individual torque control to operate and share common components with vehicle stability function) may also be indicated to the driver by this flashing optical warning signal.

Interventions... leaving the driver's seat."

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