

## **Amendment to ECE/TRANS/WP29/GRRF/2011/23, 24, and 25**

### **A. Proposal**

5.1.1 of GRRF/2011/23 amend to read:

5.1.1. Any vehicle with full pneumatic brakes and pneumatic rear suspension fitted with an AEBS-A complying with the definition of paragraph 2.1.2. shall meet the performance requirements contained in paragraphs 5.1 to 5.6.2. of this Regulation and shall be equipped with an anti-lock braking function in accordance with **the performance requirements of Annex 13** of Regulation No. 13 and a Vehicle Stability Function in accordance with **the performance requirements of Annex 21** of Regulation No. 13.

5.1.1 of GRRF/2011/24,

5.1.1. Any vehicle with full pneumatic brakes and pneumatic rear suspension fitted with an AEBS-M complying with the definition of paragraph 2.1.1. shall meet the performance requirements contained in paragraphs 5.1. to 5.6.2. of this Regulation and shall be equipped with an anti-lock braking function in accordance with **the performance requirements of Annex 13** of Regulation No.13 and a Vehicle Stability Function in accordance with **the performance requirements of Annex 21** of Regulation No.13.

5.1.1 of GRRF/2011/ 25, amend to read

5.1.1. Any vehicle with full pneumatic brakes and pneumatic rear suspension fitted with an AEBS-M complying with the definition of paragraph 2.1.1. shall meet the performance requirements contained in paragraphs 5.1. to 5.6.2. of this Regulation and shall be equipped with an anti-lock braking function in accordance with **the performance requirements of Annex 13** of Regulation No.13 and a Vehicle Stability Function in accordance with **the performance requirements of Annex 21** of Regulation No.13.

of GRRF/2011/23, 24 und 25

**Insert new paragraph 5.1.1.1**

5.1.1.1

If the vehicles fitted with other braking systems and suspension systems then it might also be granted type approval if manufacturers can show technical services in accordance with type approval authorities that relevant requirements in this regulation are met.

In this case the manufacturer shall provide in accordance with type approval authorities and the contracting party a proposal for the approximation of this Regulation.

**JUSTIFICATION**

We do not want to exclude entire categories from having the possibility to be type approved. Inserting paragraph 5.1.1.1 will make it possible for manufacture, who wishes to start developing systems also for vehicles with e.c. hydraulic brakes and steel suspension, to get a type approval for their vehicles.

With the mandatory provision for a proposal for the approximation of the regulation it is reached that the development of the technology also takes place in the regulation and the state of the art will find very quickly in the regulation.

With this way are exemptions not necessary.