

## **Proposal for amendments to ECE/TRANS/WP.29/GRRF/2014/11 (Draft BAS Regulation)**

This amends document ECE/TRANS/WP.29/GRRF/2014/11. The changes to the current text of the draft regulation are marked in **bold** and ~~strike through~~ characters.

### **I. Proposal**

*Contents, delete the reference to Annex 5, to read:*

"Annexes

1      Communication

...

~~5      Special requirements to be applied to the safety aspects of complex  
electronic vehicle control systems"~~

*Paragraph 5.4., amend to read:*

"5.4.      The effectiveness of the ~~ESC~~ **BAS** shall not be adversely affected by magnetic or electrical fields. This shall be demonstrated by fulfilling the technical requirements and **respecting the** transitional provisions of Regulation No. 10 by applying..."

*Paragraph 5.5., amend to read:*

~~"5.5.      The requirements of Annex 6 shall be applied to the safety aspects of  
electronic brake assist systems."~~

**The assessment of the safety aspects of BAS, ~~with respect to its direct effect on the braking system~~, shall be included in the overall safety assessment of the braking system as specified in Regulation No. 13H requirements associated with complex electronic control systems. This is deemed to be fulfilled on the presentation of a Regulation No. 13H certificate which includes the BAS to be approved."**

*Paragraph 5.6., amend to read:*

"5.6.      Provisions for the periodic technical inspection of **electronic** brake assist systems"

*Annex 6 (Special requirements to be applied to the safety aspects of complex electronic vehicle control systems), delete*

### **II. Justification**

1. This document amends ECE/TRANS/WP.29/GRRF/2014/11 and addresses the new regulation on BAS necessary when splitting UN Regulation No. 13-H in the frame IWVTA.
2. Amendment to paragraph 5.4. is necessary following document GRRF-76-33.

3. According to the comments received at the 76<sup>th</sup> GRRF meeting by a majority of Contracting Parties, Industry amended the proposals related to UN Regulation No. 13-H split to switch them to "option 2" as described in document GRRF-76-40, Slide 3. This item was further discussed at the 78<sup>th</sup> GRRF meeting and GRRF adopted the text as proposed in document GRRF-78-50, introducing a link toward the braking regulation (UN R13H) in the independent regulations (BAS and ESC).

This in turn provokes the deletion of Annex 6 (CEL Annex) from the draft regulation, as well as the relevant numbering.

4. Amendment to paragraph 5.6. is necessary following document GRRF-76-14:

- (a) Some vehicles are equipped with mechanical brake assist system.
  - (b) In this case, no warning signal is provided by the system, thus the requirements of paragraph 5.6.1. do not apply.
  - (c) This periodic technical inspection requirement is derived from the requirement of UN Regulation No. 13-H, paragraph 5.1.4.2., prescribed to be applied for complex electronic control systems. Therefore, this is not applicable to a purely mechanical system.
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