

Brake Assist System Proposal for draft amendments to Regulation No. 13-H

A. PROPOSAL

Proposed modification to document ECE/TRANS/WP.29/GRRF/2008/15 submitted by the experts of the informal working group on Brake Assist Systems

Annex 6

TEST REQUIREMENTS FOR VEHICLES FITTED WITH ANTI-LOCK SYSTEMS

1. GENERAL

Insert a new paragraph, to read:

Vehicles fitted with anti-lock system permitted for fitment of Brake assist System (BAS). If BAS is fitted same shall meet the requirements of Annex 10 of this Regulation.

Annex 10

SPECIAL REQUIREMENTS TO BE APPLIED TO BRAKE ASSIST SYSTEMS, WHERE FITTED

1. GENERAL

This annex specifies test requirements for vehicles fitted with Brake Assist Systems (BAS) as defined in paragraph 2.23. of this Regulation and declared in the Communication of Annex 1, paragraph 22. of this Regulation.

In addition to the requirements of this annex, Brake Assist Systems shall also be subject to any relevant requirements contained elsewhere within this Regulation. **Vehicle shall meet all Annex 3, Type O test requirements of this Regulation, when BAS is not in Function also.**

In addition to the requirements of this annex, vehicles with BAS shall also be equipped with ABS in accordance with Annex 6.

B. JUSTIFICATION

1. BAS fitment on non-ABS vehicles will lead to stability issue in panic braking. For better clarity and avoiding misinterpretation a new clause 1.3 is proposed to be added in Annex 6.
2. Function of BAS will enhance the pedal effort and stopping distance in emergency brake situation. Due to this feature, basic performance of the brake system shall not deviate from original Annex 3 Type O test requirements, when BAS is not in function. For better clarity in the requirement, we suggested amendment in second paragraph of Annex 10.