

Draft Proposal for Amendment of Regulation No.13

Extension of Scope of Annex 20 with Respect to Trailer ABS

A. PROPOSAL

Annex 20 add a new paragraph 7.1.3.5., to read:

7.1.3.5. Trailers with more than 3 axles may utilise the Annex 19 ABS test report provided the following conditions are fulfilled:

- **Each axle group controlled by one or two pressure modulators shall not exceed 3 axles.**
- **The maximum delivery volume controlled by each pressure modulator shall not be exceeded**
- **The minimum number of directly controlled wheels installed on the trailer shall be four.**
- **Each axle group shall be equipped with its own independent anti-lock braking system. An anti-lock braking system which utilises 3 pressure modulators and one controller is considered to be two independent anti-lock braking systems with respect to this application.**
- **The location of wheel speed sensors within an axle group shall be the same as defined within the manufacturers Information Document. However in the case of a single pressure modulator controlling both left and right wheels the location of the wheel speed sensors shall be agreed with the Technical Service.**
- **All other limitations defined within the information Document and Test Report shall be ensured.**

B. JUSTIFICATION

The current scope of the Annex 19 and 20 procedures with respect to anti-lock braking is limited to trailers with a maximum of three axles. As a result trailers with more than 3 axles cannot utilise this procedure and therefore must be approved by practical test. This increases the approval costs significantly due to the relatively low volume of these trailers, which are often special. As a matter of principle, trailers with more than 3 axles tend to be more stable due to the number of axles on the ground. Therefore, the extension of the scope of Annex 20 to such trailers will not decrease vehicle safety because the number of directly controlled wheels is at least four.

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