

Type-Approval Procedure

Information System of the German Type-Approval Authority

Directives 2007/46/EC and 71/320/EEC and ECE regulation 13;

- Breaking system functioning in case of separation of O₁ and O₂ class braked trailers

Presentation of the problem:

O₁ and O₂ class braked trailers must be constructed in a way that the trailer is automatically braked if the coupling is separated during the drive (ECE regulation 13, no. 5.2.2.9 and/or Directive 71/320/EEC Annex I no. 2.2.2.9).

The question is, however, for how long the braking action must be maintained.

Results:

If the trailer is separated, the braking action must be continuously maintained until the trailer is finally stopped. Such braking action must not be temporarily suspended because of parts of the control or transmission unit touching the ground. Adequate construction measures must ensure that, as long as all four wheels touch the ground, no component of the brake control or transmission unit touches the ground in the case that the draw gear touches the ground.

This requirement must be considered for the conformity examination on the basis of Annex V of the 2007/46/EC Directive. If this is not clearly expressed through existing drawings, it must be confirmed in the technical report.

This regulation shall apply to all application procedures from 1 January 2015. For this reason, existing vehicle type-approvals must only be extended, as far as it cannot be guaranteed without a doubt that the construction which has been approved up to this point fulfils this requirement.

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