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Construction and approval of vehicles

5 October 2015

Endurance braking system on trailers and another suggested up-date of Annex 5 of ECE Regulation No. 13

Transmitted by the Government of the Netherlands

Annex 5 of ECE Regulation No. 13 (Regl.13) contains specific requirements for the braking system of ADR vehicles. Originally the requirements concerning braking systems were in part 9 of ADR but later also included in Annex 5 of Regl.13. To prevent repetition of requirements it was decided for ADR 2003 to delete the requirements in ADR in favor of the (identical) requirements in Annex 5 of Regl.13.

In subsection 9.2.3.3.2 (f) of ADR 2001 it was allowed to have an endurance braking system on a trailer to compensate for insufficient performance of the endurance braking system of the motor vehicles.

Since ADR 2003 this compensation is no longer allowed by the wording in the “comment” column in the table of subsection 9.2.1. This wording reads for endurance braking system “*Applicable to motor vehicles first registered after June 1993 having a mass exceeding 16 tonnes or authorized to tow a trailer with a maximum mass exceeding 10 tonnes*”. Also the proposed transitional measure in document TRANS/WP.15/2002/19 by OICA was not accepted so that even for existing vehicles this was no longer possible.

However, Annex 5 of Reg. 13 still contains the requirement for trailers in paragraph 2.3.2. Apparently this development was missed by WP.29. As a result two questions need to be answered for each application for a type approval of a braking system in the communication document of Annex 2 (14.11.2 and 14.11.3) of Regl.13.

Additionally to this the only requirement concerning ABS braking left in Annex 5 of Regl.13 is for trailers of the category O₄ in paragraph 2.2.1. Here ABS Type A is prescribed. However since many years type A is already mandatory for category O₄ trailers in the general paragraph 5.2.2.13 of Regl.13. This makes paragraph 2.2.1 superfluous.

It is proposed that the secretariat of WP.15 suggests WP.29 and its subsidiary GRRF to delete paragraph 2.2.1 and 2.3.2 in Annex 5 of Regl.13.

Deletion in Regl.13 will not lead to problems. It should also be reminded that the ECE Regulations of WP.29 deal with the approval of new vehicles. Enforcing requirements during the lifetime of the vehicles is regulated in the column “Comments” in the table of subsection 9.2.1 of ADR or transitional measures of section 1.6.5.