

Proposal for draft amendments to Regulation No. 13:

Wiring Requirements of ISO 7638

The text reproduced below was prepared by the expert from CLEPA to revise the requirements specified for trailers installed with an ISO 7638 connector to remove the current design restriction:

A. PROPOSAL

Paragraph 5.2.2.17., amend to read:

“5.2.2.17. Trailers equipped with an electric control line and O<sub>3</sub> and O<sub>4</sub> category trailers equipped with an anti-lock system, shall be fitted with a special electrical connector for the braking system and/or anti-lock system, conforming to ISO 7638:1997 15/ 16/. Failure warning signals required from the trailer by this Regulation shall be activated via the above connector. The requirement to be applied to trailers with respect to the transmission of failure warning signals shall be those, as appropriate, which are prescribed for motor vehicles in paragraphs 5.2.1.29.4., 5.2.1.29.5. and 5.2.1.29.6.

Trailers equipped with an ISO 7638:1997 connector as defined above shall be marked in indelible form to indicate the functionality of the braking system when the ISO 7638:1997 connector is connected and disconnected. The marking is to be positioned so that it is visible when connecting the pneumatic and electrical interface connections.

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16/ The ~~wiring specifications of~~ **conductor cross sections specified in ISO 7638:2003** for the trailer ~~not equipped with an electric control transmission~~ may be reduced if the trailer is installed with its own independent fuse. The rating of the fuse shall be such that the current rating of the conductors is not exceeded.  
**This derogation shall not apply to trailers equipped to tow another trailer.**

B. JUSTIFICATION

The current text within footnote 16 to paragraph 5.2.2.17. restricts the use of a fuse in conjunction to vehicles equipped ABS, whereas vehicles with electric control transmission (EBS) the option does not apply. Technically, there is no justification for this restriction as its removal would lead to a significant cost reduction while the practice has been well proven by its application on ABS equipped vehicles over many years.

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