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Working Party on Brakes and Running Gear (GRRF)

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agenda item 1.1.)

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 13
(Braking)

Transmitted by the Expert from Germany

Note: The text reproduced below was prepared by the expert from Germany in order to clarify the use of the ISO 7638 connector.

Note: This document is distributed to the Experts on Brakes and Running Gear only.

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A. PROPOSAL

Paragraph 5.1.3.6., amend to read:

"... not delay the braking functions: the power supply, provided by the ISO 7638 connector, shall be used exclusively for braking and running gear functions and that required for the transfer of trailer related information, however, in all cases the provisions of paragraph 5.2.2.18. of this Regulation shall apply. The power supply for all other functions shall use other measures."

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B. JUSTIFICATION

Supplement 5 to the 09 Series of amendments introduced new requirements into paragraph 5.1.3.6., with respect to the use of the electrical energy by the trailer, available through the ISO 7638 connector as follows:

The brakes and running gear functions shall be exclusively powered via the ISO 7638 connector.

This meant that it was not possible to provide back-up powering from other power sources in the event of a failure within the ISO 7638 connector. In addition it did not prohibit the use of the electrical energy to power non-brakes and running gear functions. These requirements are in contradiction to other requirements within the same paragraph and paragraph 5.2.2.18.

Official document TRANS/WP.29/GRRF/2000/18, introduced by the United Kingdom and accepted at the forty-eighth GRRF session, corrected the above by requiring that electrical energy available from the ISO 7638 connector may only be used for brakes and running gear functions.

Availability of vehicle related information is becoming an important part of the fleet maintenance and their use should be encouraged. However, the current text could be interpreted that the use of the electrical energy from the ISO 7638 connector for purpose of transferring trailer related information, i.e. diagnostics, does not fall within the scope of brakes and running gear functions, particularly when some of the information transmitted may relate to non-brake and running gear functions.

This proposal is intended to make clear that electrical energy available via the ISO 7638 connector may be used to power a trailer information system for the purpose of transmitting information. However, in all cases the braking system would have priority, as the system must fulfil the requirements of paragraph 5.2.2.18. of the Regulation.
