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(Fifty-fourth session, 6-8 October 2003,
agenda item 1.1.)

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 13

(Braking)

Transmitted by the Expert from the European Association of Automobile Suppliers (CLEPA)

Note: The text reproduced below was prepared by the expert from CLEPA in order to allow the towing vehicle to automatically apply the trailer brakes to enhance vehicle stability and the automatic application of the trailer brakes alone based on the evaluation of on-board generated information. It is based on a document distributed without a symbol (informal document No. 6) during the fifty-third session (TRANS/WP.29/GRRF/53, para.8).

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

A. PROPOSAL

Paragraph 5.2.1.21., amend to read:

"5.2.1.21. In the case of a power driven vehicle authorized to tow a trailer of category O3 or O4, the service braking system of the trailer may only be operated in conjunction with the service, secondary or parking braking system of the towing vehicle. However, application of the trailer brakes alone is permitted where the operation of the trailer brakes is initiated automatically by the towing vehicle for the sole purpose of vehicle stabilization."

Add a new paragraph 5.2.2.21., to read:

"5.2.2.21. In addition to the requirements of paragraphs 5.2.1.18.4.2. and 5.2.1.21. above, the brakes of the trailer may also be applied automatically when this is initiated by the trailer braking system itself following the evaluation of on-board generated information."

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B. JUSTIFICATION

In Supplement 5 to the 09 Series of amendments to Regulation No. 13, changes to the text of paragraph 5.2.1.21. were introduced to permit the application of the trailer brakes alone, this deviation from the existing requirements being necessary to enable the development and subsequent approval of stability control systems. As always, development into the application of new functions that require automatic application of the trailer brakes by the trailer continues, to the extent that the current text has become restrictive. This proposal firstly seeks to continue to permit the towing vehicle to automatically apply the trailer brakes for the purposes of enhancing vehicle stability and, secondly, for the trailer to be able to apply automatically the trailer brakes alone based on the evaluation of on-board generated information e.g. stability enhancement, rear obstacle detection, etc.
