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agenda item 10.9.)

PROPOSAL FOR DRAFT AMENDMENT TO REGULATION No. 18
(Protection against unauthorized use)

Transmitted by the expert from Germany

Note: The text reproduced below was prepared by the expert from Germany in order to establish the use of the parking brake in Regulation No. 18. The modifications to the existing text are marked in **bold** characters.

Note: This document is distributed to the Experts on General Safety Provisions only.

A. PROPOSAL

Paragraph 5.13., amend to read:

"5.13. Devices to prevent unauthorized use preventing release of the brakes of the vehicle shall **only be permitted when the brakes are held in a locked position by a purely mechanical device.**"

Paragraph 6.2.1., amend to read:

"6.2.1. A device to prevent unauthorized use acting on the transmission shall prevent the ~~rotation of the vehicle's driving~~ **vehicle to be driven away on its wheels.**"

Paragraph 6.2.3., amend to read:

"6.2.3. It shall not be possible for the transmission to be blocked inadvertently when the key is in the lock of the device to prevent unauthorized use, even if the device preventing starting of the engine has come into action or been set to act. **This does not apply wherever the requirements of paragraph 6.2. of this Regulation are met by devices used for another purpose, in addition, and the lock under the conditions above is necessary for this additional function (e.g. electrical parking brake).**"

Insert new paragraphs 6.4. and 6.4.1., to read:

"6.4. **Alternative devices**

6.4.1. **Alternative devices are permissible in accordance with the approval authority. Thereby at least an equivalent protection comparable to that required in paragraphs 6.1., 6.2. and 6.3. of this Regulation shall be achieved.**"

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B. JUSTIFICATION

Electrical systems show increased rates in the construction of a vehicle. Former purely mechanical systems will be assembled or replaced by electrical systems, e.g. the electrical steering systems which will be type approvable (TRANS/WP.29/GRRF/2002/5/Rev.1 and /Rev.1/Add.1). The electrical parking brake is becoming more and more common for new vehicles. This system is safe and reliable. The use of vehicle brakes has been prohibited till now by paragraph 5.13. of ECE Regulation No. 18. Prohibition was justified as vehicle brakes are normally actuated via compressible fluids and a brake once actuated could, after some, time be released due to leakage. With the introduction of electromechanical brakes and electric parking brakes, objections against usage of vehicle brakes as means to prevent unauthorized use of vehicles are no longer justified. Therefore, the paragraphs being opposed to that should be amended. The aim of the proposal is to establish alternative systems regarding protection of unauthorized use.
