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agenda item 2.1.)

REVISED PROPOSAL FOR DRAFT AMENDMENT TO REGULATION No. 18

(Protection against unauthorized use)

Transmitted by the representative from the International Organization of
Motor Vehicle Manufacturers (OICA)

Note: The text reproduced below was prepared by the representative from Germany in order to amend Regulation No. 18 in order to establish the alternative systems.

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., amend to read:

"6.2. Devices to prevent unauthorized use acting on the transmission **or the wheels**"

Paragraph 6.2.1., amend to read:

"6.2.1. A device to prevent unauthorized use acting on the transmission **or the wheels** shall prevent the ~~rotation of the vehicle's driving wheels~~ **vehicle from being driven away under its own power.**"

Paragraph 6.2.3., amend to read:

"6.2.3. It shall not be possible for the transmission **or the wheels** 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).**"

Paragraph 6.2.5., amend to read:

"6.2.5. If the device in which the transmission is **or the wheels** are locked....

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.**"

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 becomes common more and more 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 a 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.
