

**Proposal for draft amendments to Regulation No. 48 (Installation of lights)**  
**(Amendment of document TRANS/WP29/GRE/2007/4)**

A – **Proposal 1**

**NO CHANGES** in respect to the present text of ECE Regulation No. 48.

**Proposal 2**

Paragraph 3.2.5 shall read:

- 3.2.5. the application shall include a statement of the method used for the definition of the apparent surface (see paragraph 2.10.) **and of the method used to made not operative the lamp(s), if any (see paragraph 5.22).**

Paragraph 5.22 shall read:

- 5.22 With the exception of retro-reflectors, a lamp or function even bearing an approval mark is deemed not to be present when it cannot be made to operate, **even with the use of mechanical tools, notwithstanding that the light source(s) is (are) present in the lamp.**

In Annex 1 add a new paragraph 10.[5] as follows:

- 10.[5]. Method used **to made not operative the lamp(s), if any.**

B - **Justification 1**

During 57<sup>th</sup> GRE session, when Italy presented its proposal (see document TRANS/WP29/GRE/2007/4), some Experts judged the proposal not necessary since the present text of paragraph 5.22, following their statement, already allows the deactivation of a function/lamp by whatever mean even if the light source/s remains in the lamp.

In the case where a majority of GRE Experts share the above interpretation, it should be made official by mentioning it in the official report of the 58<sup>th</sup> Session (consequently this statement will be ratified during the following WP29 session as part of the report).

In this case Italy withdraws its proposal.

However, in the case where the majority of GRE Experts deem that a clarification/updating of paragraph 5.22 is necessary, Italy presents the text of "Proposal 2" (see related justification below).

**Justification 2**

This proposal aims to update the conditions for determining the presence of a lamp (or, better saying "function") on the vehicle, taking into consideration the new technologies applied to the lamp construction (multi light sources, double voltage, light-emitting diode (LED)) and to the electrical connections (possibility of allowing or not the activation of a certain function/device by electronic means).

The text of the proposal above has been modified, in respect to the original one, to take into account the comments made by some experts during the 57<sup>th</sup> GRE Session and in particular:

- the common interpretation of the present requirements, applicable to evaluate whether a lamp is present or not on the vehicle, is such that they cannot be applied to a lamp incorporating or combining

more than one function and applying one of the technologies described above (since “not present” is intended as “without light source”, but the deletion of the light source is in contrast with the presence of other function(s) performed by the lamp).

Consequently, it is useful to include different conditions to define such function as "not present" even if the light source remains in the lamp;

- the modern technologies applied to the electrical connections of lamps are such that electronic means, not accessible to the driver but only to the manufacturer and providing a very high level of protection against inappropriate manipulation, can be used to allow or not the activation of the lighting and light-signalling functions of the vehicle adapting them to different destination Countries or different vehicle versions.

Normally to activate/deactivate a function by electronic means a computer or similar electronic device shall be used. Since the computer could be intended as a “tool” by some Expert, it is necessary to clarify which kind of tool is allowed or not, to avoid that the requirement could result practically inapplicable. As an alternative the sentence “**even with the use of tools**” previously proposed could be deleted.

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