



Economic and Social Council

Distr.: General
18 January 2016

Original: English

Economic Commission for Europe

Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

Working Party on Lighting and Light-Signalling

Seventy-fifth session

Geneva, 5–8 April 2016

Item 6 (a) of the provisional agenda

Regulation No. 48 (Installation of lighting and light-signalling devices) –

Proposals for amendments to the 05 and 06 series of amendments

Proposal for amendments to the 03, 04, 05 and 06 series of amendments to Regulation No. 48 (Installation of lighting and light-signalling devices)

Submitted by the expert from the International Automotive Lighting and Light Signalling Expert Group (GTB)*

The text reproduced below was prepared by the expert from the GTB to further simplify the transitional provisions with a view to avoiding the need for several series of amendments to be concurrently in force. The modifications to the existing text of the Regulation are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2014–2018 (ECE/TRANS/240, para. 105 and ECE/TRANS/2014/26, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

I. Proposal

A. 03 series of amendments

Annex 1, insert a new item 10.9., to read:

- "10.9. In case of approval extensions, comments regarding installation of optional devices/systems/equipment allowed by the series of amendment:**
- 10.9.1. Name of the devices/systems/equipment installed**
.....
- 10.9.2. List of pertinent requirements, by paragraph number, of the series of amendments applied for its installation**
....."

B. 04 series of amendments

Annex 1, insert a new item 10.9., to read:

- "10.9. In case of approval extensions, comments regarding installation of optional devices/systems/equipment allowed by the series of amendment:**
- 10.9.1. Name of the devices/systems/equipment installed**
.....
- 10.9.2. List of pertinent requirements, by paragraph number, of the series of amendments applied for its installation**
....."

C. 05 series of amendments

Annex 1, insert a new item 10.9., to read:

- "10.9. In case of approval extensions, comments regarding installation of optional devices/systems/equipment allowed by the series of amendment:**
- 10.9.1. Name of the devices/systems/equipment installed**
.....
- 10.9.2. List of pertinent requirements, by paragraph number, of the series of amendments applied for its installation**
....."

D. 06 series of amendments

Paragraph 12.1.4., amend to read:

- "12.1.4. Existing approvals under this Regulation granted before the date of mandatory application of the most recent series of amendment shall remain

valid indefinitely and Contracting Parties applying this Regulation shall continue to recognize them and shall not refuse to grant:

- 12.1.4.1. extensions of approvals to them (except for that indicated in paragraph 12.1.5. below).
- 12.1.4.2. **extensions of existing approvals to a vehicle type, meeting any series of amendments still in force, on which devices, systems or equipment permitted under any later series of amendments are optionally fitted by the vehicle manufacturer, provided that all the pertinent requirements of any later series still in force at the time of vehicle type approval, are fulfilled."**

Annex 1, insert a new item 10.9., to read:

- "10.9. **In case of approval extensions, comments regarding installation of optional devices/systems/equipment allowed by the series of amendment:**
- 10.9.1. **Name of the devices/systems/equipment installed**
.....
- 10.9.2. **List of pertinent requirements, by paragraph number, of the series of amendments applied for its installation**
....."

II. Justification

1. The original GTB proposal to simplify and update the transitional provisions of Regulation No. 48 was introduced by Supplement 3 to the 06 series of amendments and entered into force on 10 June 2014. Its objective was to avoid the need to maintain, simultaneously in force, several series of the Regulation. This is necessary to reduce the administrative burden and to allow all of the preceding series to be "frozen" to become "versions of a Regulation" that can be referenced in Regulation No. 0 on International Whole Vehicle Type Approval.
2. The above objective was realized by the adoption of the simplified transitional provisions and this new approach meant that only the latest version (series of amendments of the Regulation) would need to be in force.
3. However, a further issue has been identified regarding the possibility of partial application of a series of amendments to install new optional devices/systems/equipment on a vehicle already approved to an earlier series, by means of an extension of the existing approval instead of requesting a new approval based on the latest series of amendment.
4. This issue on the installation of new technologies onto vehicles approved to an earlier series of amendments is associated with important principles that GTB would like to clarify. These can be summarized as:
 - (a) The prime purpose of the Regulation is to assure the adequate (minimum) levels of traffic safety; for example, provision of sufficient forward illumination by a headlamp to avoid collision with obstacles and pedestrians, maximum levels of glare to opposing drivers, adequate intensities and maximum levels of glare from signalling lamps to indicate the presence and manoeuvring intentions of vehicles, etc.;
 - (b) The installation of equipment that assures the adequate (minimum) levels of traffic safety, as described in (a) above, is mandated in Regulation No. 48. In these cases

the latest version of the Regulation clearly defines the requirements and the transitional provisions define from which date the vehicle shall conform;

- (c) Regulations also include minimum requirements for equipment that the manufacturer may optionally install. In many cases, vehicle manufacturers will elect to install optional devices that provide additional performance to augment safety or improved driver assistance. In these cases it is important that the optional equipment is type approved to assure compliance with the regulation in terms of performance and installation but this should not mean that only vehicles type approved to the latest series of amendments are allowed to use these beneficial technologies;
- (d) Consequently, regulation should not present barriers to the optional installation of new beneficial technologies on any type approved vehicle, whether it is a new type approval or an extension to an existing approval.

5. The proposed text, based on the above principles, has been formulated to respect, in the case of extensions to an existing approval:

- (a) the need to guarantee the correct installation of the "new" device/system/equipment;
- (b) the need to clearly indicate the details of this installation in the communication form of the extension to the existing approval;
- (c) the need to allow installation of "new" device/system/equipment only where all the "pertinent requirements" are fulfilled (the term "pertinent requirements" intends that all the definitions, general and specific requirements, requirements relating to the interaction with other devices/systems/functions present in the series of amendment that introduced the installation of the "new" device/system/equipment shall be fulfilled);
- (d) the need for a new paragraph and related subparagraphs in the Communication Form to be introduced into the text of all the remaining applicable series of amendments (03, 04, 05 and 06; the latter in prevision for further series of amendments). These additions to the information to be included in the communication form indicate:
 - (i) in case of approval extensions, the device/system/equipment is installed in application of a specific series of amendments (not being the one on which the extension of approval is requested);
 - (ii) the requirements applied for the installation of the device/system/equipment to provide, to the Type Approval Authorities, all the necessary references, even where the applied requirements are not present in the series of amendments on which the extension of approval is requested.