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**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations****Working Party on General Safety Provisions****104<sup>th</sup> session**

Geneva, 15–19 April 2013

Item 7 of the provisional agenda

**Regulation No. 67 (Equipment for liquefied petroleum gases (LPG))****Proposal for amendments to Regulation No. 67  
(Equipment for liquefied petroleum gases (LPG))****Submitted by the expert from Germany \***

The text reproduced below was prepared by the expert from Germany clarifying the provisions of UN Regulation No. 67 with respect to hose assemblies. It supersedes ECE/TRANS/WP.29/GRSG/2012/18 distributed during the 103rd session of the Working Party on General Safety Provisions (GRSG). The modifications to the existing text of the Regulation are marked in bold characters.

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\* In accordance with the programme of work of the Inland Transport Committee for 2010–2014 (ECE/TRANS/208, para. 106 and ECE/TRANS/2010/8, 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

*Insert a new paragraph 2.20., to read:*

**"2.20. "Hose assembly" means an assembly of a flexible hose and couplings;"**

*Paragraphs 9.6. and 9.6.1., amend to read:*

"9.6. Every hose assembly which is applied in the high pressure class (Class 1) according to the classification as prescribed in paragraph 2. of this Regulation, shall, during half a minute, be subjected to a test with gas under a pressure of 3,000 kPa **by the approval holder.**

9.6.1. Every hose assembly which is applied in the high pressure class (Class 0) according to the classification as prescribed in paragraph 2. of this Regulation, shall, during half a minute, be subjected to a test with gas under a pressure of the declared WP **by the approval holder."**

### Annex 8

*Insert a new paragraph 2.7.1., to read:*

**"2.7.1. If hose and couplings are not assembled by the approval holder, the approval shall consist of:**

- (a) **hose;**
- (b) **couplings; and**
- (c) **assembly instruction.**

**[The assembly instruction shall be written in the language of the country to which the type will be delivered, or at least in English. It shall include detailed characteristics of equipment used for the assembling operation.]"**

*Paragraphs 2.7.1. to 2.7.3.1. (former), renumber as paragraphs 2.7.2. to 2.7.4.1.*

## II. Justification

1. A definition for "hose assembly" is introduced for greater convenience.
2. The current wording of Regulation No. 67 was discussed during several European Type Approval Authorities Meetings (TAAM) on the question of what exactly constitutes a type-approval granted. There are two possibilities:
  - (a) A type-approval may only be granted for the hose assembled with couplings, i.e. for the hose assembly.
  - (b) A type-approval may be granted as well for the hose and the couplings that belong together, but not assembled as a hose assembly.
3. Deviating from what was suggested in ECE/TRANS/WP.29/GRSG/2012/18, this document proposes to deal with possibility (b) only for hoses of Class 2.
4. For hoses of Class 2, this proposal offers the possibility to grant an approval for a hose and coupling that may be assembled by a company other than the approval holder. Following the proceedings of Regulation No. 115, this proposal stipulates for that case that the assembly instruction is a part of the type-approval. In that case, it is deemed necessary to consider the requirements regarding language and contents of the assembly instruction.

5. By modifying the current paragraphs 9.6. and 9.6.1., each individual hose assembly of Class 1 and Class 0 has to be tested by the approval holder and hence the assembly of the parts can only be performed by the approval holder.
6. For assemblies of Class 2, the approval holder has to fulfil the provisions for the conformity of production using either:
  - (a) hose assemblies assembled by the approval holder; or
  - (b) hose assemblies assembled by other companies.

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