

Proposal for amendments to Regulation No. 67 (Equipment for liquefied petroleum gas (LPG))

The text reproduced below was prepared by the expert from Germany. It supersedes working document ECE/TRANS/WP.29/GRSG/2011/26 prepared by Germany and distributed at the 101st session of the Working Party on General Safety Provisions (GRSG). The modifications to the current text of the Regulation are marked in **bold** for new or strikethrough for deleted characters.

I. Proposal

Insert a new paragraph 2.20., to read:

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

Modify paragraph 9.6., to read:

"9.6. **Per manufacturing batch, a randomly taken representative number of hose assemblies** ~~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.**"

Annex 8

Insert a new paragraph 1.7.1., to read:

"1.7.1. 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.]"

Renumber paragraphs 1.7.1., 1.7.2., 1.7.2.1., 1.7.2.2., 1.7.2.3., 1.7.3., 1.7.3.1. (former) as paragraphs 1.7.2, 1.7.3, 1.7.3.1, 1.7.3.2, 1.7.3.3, 1.7.4, 1.7.4.1.

New paragraph 1.7.4.1., amend to read:

~~"1.7.3.4.1.~~ **The hose assembly** ~~(hose with couplings)~~ has to withstand during five minutes a gas pressure of 3,000 kPa without any leakage."

Insert a new paragraph 1.7.4.2., to read:

"1.7.4.2. If the hose assembly is assembled by a company other than the approval holder it has to withstand during five minutes a gas pressure of 3,000 kPa without any leakage."

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.]"

Renumber paragraphs 2.7.1., 2.7.2., 2.7.2.1., 2.7.2.2., 2.7.2.3., 2.7.3., 2.7.3.1. (former) as paragraphs 2.7.2, 2.7.3, 2.7.3.1, 2.7.3.2, 2.7.3.3, 2.7.4, 2.7.4.1.

New paragraph 2.7.4.1., amend to read:

~~"2.7.3.4.1.~~ **The hose assembly** ~~(hose with couplings)~~ has to withstand during five minutes a gas pressure of 1,015 kPa without any leakage."

Insert a new paragraph 2.7.4.2., to read:

"2.7.4.2 If the hose assembly is assembled by a company other than the approval holder it has to withstand during five minutes a gas pressure of 1,015 kPa without any leakage."

Insert a new paragraph 3.7.1., to read:

"3.7.1 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.]"

Renumber paragraphs 3.7.1., 3.7.1.1., 3.7.1.2., 3.7.1.3, 3.7.2., 3.7.2.1 (former) as paragraphs 3.7.2, 3.7.2.1, 3.7.2.2, 3.7.2.3, 3.7.3, 3.7.3.1.

New paragraph 3.7.3.1., amend to read:

"3.7.3.1. The hose assembly (~~hose with couplings~~) has to withstand, during five minutes, a gas pressure of 3,000 kPa without any leakage."

Insert a new paragraph 3.7.3.2., to read:

"3.7.3.2 If the hose assembly is assembled by a company other than the approval holder it has to withstand during five minutes a gas pressure of 3,000 kPa without any leakage."

II. Justification

The current wording of Regulation No. 67 was discussed during several European Type Approval Authorities Meeting (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 - that is for the hose assembly.
- (b) A type-approval may as well be granted for the hose and the couplings belonging together but not assembled to a hose assembly.

With working document ECE/TRANS/WP.29/GRSG/2011/26 Germany suggested to deal with hoses of Class 2 according possibility (b) and with hoses of Class 1 according possibility (a). During the 101st session of GRSG AEGPL suggested to deal with hoses of Class 1 according possibility (b) as well.

1. For better convenience a definition for "hose assembly" is introduced.
2. By modification of the current paragraph 9.6 it is stated clearly that the approval holder is responsible for COP. This is also valid for hose assemblies assembled by a company other than the approval holder himself. It is up to the approval holder to carry out COP using
 - hose assemblies assembled by the approval holder or
 - hose assemblies assembled by other companies.It is deemed to be sufficient to carry out COP measures with a representative number of samples.
3. The working paper suggests for hoses of Class 1 and Class 2 the possibility to grant an approval for hose and coupling that may be assembled by a company other than the approval holder.
4. Following the proceeding of Regulation No. 115 the working document states that the assembly instruction is part of the approval. It is deemed to be necessary to state the requirements regarding language and contents of the assembly instruction.
5. Additional paragraphs make clear that a hose assembly assembled by a company other than the approval holder has to withstand the same gas pressure over the same period of time as the hose assembly assembled by the approval holder himself.
6. For each class there are two sup-paragraphs dealing with gas-tightness of the hose assembly. This shall emphasize that the same conditions regarding gas-tightness are valid for hose assemblies assembled by the approval holder and for hose assemblies assembled by other companies.