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Working Party on Pollution and Energy (GRPE)  
(Forty-third session, 15-18 January 2002,  
agenda item 4.5.)

PROPOSAL FOR DRAFT AMENDMENTS (SUPPLEMENT 1) TO REGULATION No. 110  
(Specific components for CNG)

Transmitted by the Expert from the Russian Federation

Note: The text reproduced below was prepared by the expert from the Russian Federation in order to incorporate in the Regulation provisions allowing to distinguish components approved for moderate and cold temperatures. It is based on the text of the document distributed without a symbol (informal document No. 22) during the forty-second session of GRPE, modified after the consultation with an expert from ENGVA (TRANS/WP.29/GRPE/42, paras. 20 and 22).

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Note: This text is distributed to the experts of the Working Party on Pollution and Energy only.

GE.01-

**A. PROPOSAL**

Insert a new paragraph 2.1.4., to read:

"2.1.4. "Operating temperatures" means maximum values of the temperature ranges, indicated in Annex 50, at which safe and good functioning of the specific component is ensured and for which it has been designed and approved."

Paragraph 2.25., amend to read:

"2.25. "Type of components" as mentioned in paragraphs 2.6. to 2.23. above means components which do not differ in such essential respect as materials, working pressure and operating temperatures."

Paragraph 4.1., amend to read:

"4.1. The sample of specific component submitted for approval shall bear the trade name or mark of the manufacturer and the type, including one concerning designation regarding operating temperatures ("M" or "C" for moderate or cold temperatures as appropriate); and for flexible ....."

Paragraph 17.1.1., amend to read:

"17.1.1. The CNG system of the vehicle shall function in a good and safe manner at the working pressure and operating temperatures for which it has been designed and approved."

Annex 1A, insert new items 1.2.4.5.2.13., 1.2.4.5.3.8., 1.2.4.5.4.8., 1.2.4.5.5.7., 1.2.4.5.6.5., 1.2.4.5.8.1.6., 1.2.4.5.8.2.5., 1.2.4.5.8.3.5., 1.2.4.5.8.4.5., 1.2.4.5.8.5.5., 1.2.4.5.8.6.5., 1.2.4.5.9.6., 1.2.4.5.10.6., 1.2.4.5.11.6., 1.2.4.5.12.6., 1.2.4.5.13.6., 1.2.4.5.14.6., to read:

"Operating temperatures: 2/ ..... ?C"

Annex 1A, item 1.2.4.5.9.4., amend to read:

"Activation temperature: 2/ ..... ?C"

Annex 1B, insert new items 1.2.4.5.2.5., 1.2.4.5.3.6., 1.2.4.5.4.6., 1.2.4.5.5.5., 1.2.4.5.6.4., 1.2.4.5.8.1.5., 1.2.4.5.8.2.5., 1.2.4.5.8.3.5., 1.2.4.5.8.4.5., 1.2.4.5.8.5.5., 1.2.4.5.8.6.5., 1.2.4.5.9.5., 1.2.4.5.10.5., 1.2.4.5.11.5., 1.2.4.5.12.5., 1.2.4.5.13.5., 1.2.4.5.14.5., to read:

"Operating temperatures: 2/ ..... ?C"

Annex 1B, paragraph 1.2.4.5.9.3., amend to read:

"Activation temperature: 2/ ..... ?C"

**B. JUSTIFICATION**

Re. paras. 2.1.4. (new) and 2.25.:

The range of temperatures for which specific components are designed and approved is quite essential parameter. So it should type the specific components as well.

Re. Annex 1A and Annex 1B:

The term "Activation temperature" more precisely reflects temperature triggered characteristic of pressure relief device. Furthermore, the term "Operating temperatures" is suggested to designate some different notion (new paragraph 2.1.4.).

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