

Proposal for Supplement 02 to the 06 Series of Amendments to UN Regulation No. 110 (CNG and LNG vehicles)

Submitted by the experts of Eurogas

The text reproduced below was prepared by the experts from Eurogas to clarify the provision of the primary LNG relief valve. This provision was introduced by the 06 series of amendments in paragraph 18.6.3.1. The modifications to the current text of the regulation are marked in bold characters and strikethrough for deleted characters.

I. Proposal

Insert a new paragraph 4.23.1, to read:

“**4.23.1. ‘Set pressure’ means the predetermined pressure at which a safety valve under operating conditions commences to open.**”

Paragraph 18.6.3.1., amend to read:

“18.6.3.1. The primary relief valve shall have a ~~minimum opening~~ set pressure of **at least** 1.5MPa. ~~This value~~**The set pressure** shall take into account all applicable tolerances declared by the manufacturer **to avoid that the valve commences to open below 1.5 MPa.**”

II. Justification

The purpose of paragraph 18.6.3.1. is to avoid any unexpected opening of the primary relief valve below 1.5MPa. For this reason, it’s important to clarify and define the meaning of ‘set pressure’, which is the relevant parameter that guarantee the above-mentioned target. The proposed definition of ‘set pressure’ is in compliance with ISO 4126-1:2013/Amd.1:2016 (Safety devices for protection against excessive pressure — Part 1: Safety valves).

Par 18.6.3.1. is additionally corrected, by removing the combined reference to ‘opening’ and ‘set’ pressures, which might lead to wrong interpretations.
