



# Economic and Social Council

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## Economic Commission for Europe

### Inland Transport Committee

### World Forum for Harmonization of Vehicle Regulations

#### 194th session

Geneva, 12–15 November 2024

Item 4.7.12 of the provisional agenda

#### 1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRSG

## Proposal for Supplement 1 to the 06 Series of Amendments to UN Regulation No. 110 (Compressed Natural Gas and Liquefied Natural Gas Vehicle)

### Submitted by the Working Party on General Safety Provisions\*

The text reproduced below was adopted by the Working Party on General Safety Provisions (GRSG) at its 127<sup>th</sup> session (ECE/TRANS/WP.29/GRSG/106, paras. 28 and 29). It is based on ECE/TRANS/WP.29/GRSG/2024/15 not amended, GRSG-127-03 and GRSG-127-21 as reproduced in annex VI to the report. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration at their November 2024 sessions.

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\* In accordance with the programme of work of the Inland Transport Committee for 2024 as outlined in proposed programme budget for 2024 (A/78/6 (Sect. 20), table 20.5), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.



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."

Insert new paragraph 7.4.3., to read:

"7.4.3. If the component conforms to a component type approved under one or more other UN Regulations, and if the country which has granted the different approvals is the same, the symbol prescribed in paragraph 7.4.1. above need not be repeated for that specific country; in such a case, the Regulation and approval numbers and the additional symbols of all the Regulations under which approval has been granted by the same country shall be placed in rows to the right of the symbol prescribed in paragraph 7.4.1. above."

Paragraph 18.6.3.1., amend to read:

"18.6.3.1. The primary relief valve shall have a set pressure of at least 1.5 MPa. 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."

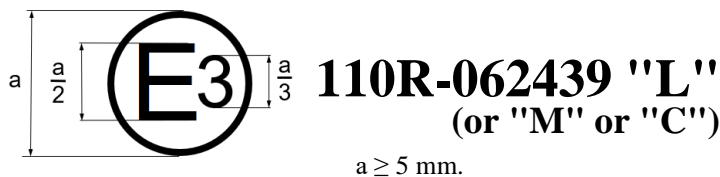
Annex 2A, amend to read:

## "Annex 2A

### Arrangement of the CNG/LNG Component Type Approval Mark

#### Example 1

(See paragraph 7.2. of this Regulation)



The above approval mark affixed to the CNG and or LNG component shows that this component has been approved in Italy (E 3), pursuant to UN Regulation No. 110 under approval number 062439. The first two digits of the approval number indicate that the approval was granted in accordance with the requirements of UN Regulation No. 110 as amended by the 06 series of amendments.

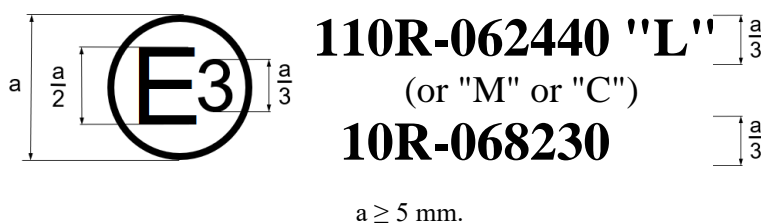
The letter "L" indicates that the product is suitable for use with LNG.

The letter "M" indicates that the product is suitable in moderate temperatures.

The letter "C" indicates that the product is suitable in cold temperatures.

#### Example 2

(See paragraph 7.4.3. of this Regulation)



This approval mark when affixed to the CNG and or LNG component shows that the component has been approved in Italy (E 3), pursuant to UN Regulation No. 110 under

approval number 062440 and pursuant to UN Regulation No. 10<sup>1</sup> under approval number 068230. The first two digits of the first approval number indicate that the approval was granted in accordance with the requirements of UN Regulation No. 110 as amended by the 06 series of amendments.

The letter "L" indicates that the product is suitable for use with LNG.

The letter "M" indicates that the product is suitable in moderate temperatures.

The letter "C" indicates that the product is suitable in cold temperatures.

The first two digits of the second approval number indicate that the approval was granted in accordance with the requirements of UN Regulation No. 10 as amended by the 06 series of amendments."

*Annex 5R, paragraph 1.5.*, amend to read:

"1.5. Acceptable results

PRDs (temperature triggered) that have been tested according to the tests outlined in paragraph 1.3.2., shall activate within two minutes of the recorded base line activation time of the samples listed in paragraph 1.3.1."

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<sup>1</sup> This number is given merely as an example.