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Natural gas vehicles - Requirements for liquefied natural gas vehicle (LNGV) workshops and the management of liquefied natural gas (LNG) vehicles

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/24

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English Version

Natural gas vehicles - Requirements for liquefied natural gas vehicle (LNGV) workshops and the management of liquefied natural gas (LNG) vehicles

Exploitation de véhicules fonctionnant au gaz naturel -
Exigences relatives aux ateliers pour véhicules gaz
naturel liquéfié (VGNL) et à la gestion des véhicules
fonctionnant au gaz naturel liquéfié (GNL)

Erdgasfahrzeuge - Anforderungen an Werkstätten und
das Management von mit LNG betriebenen Fahrzeugen

This European Standard was approved by CEN on 19 May 2024.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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EN 17932:2024 (E)**European foreword**

This document (EN 17932:2024) has been prepared by Technical Committee CEN/TC 326 “Natural gas vehicles - Fuelling and operation”, the secretariat of which is held by TSE.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2024, and conflicting national standards shall be withdrawn at the latest by December 2024.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Introduction

This document provides minimum requirements for professionals on how to safely operate vehicles that use liquefied natural gas (LNG) as a fuel for propulsion. This document also covers associated requirements for LNGV workshops. In addition, the scope of the document addresses the LNGV owner and user and other parties dealing with LNGVs.

This document addresses LNGV workshops and the management of liquefied natural gas (LNG) vehicles. This document can be a useful reference for:

- LNGV workshop architects;
- LNGV workshop owners;
- LNGV workshop staff;
- OEMs;
- system manufacturers;
- LNG trucks owners and users;
- LNG trucks dealers;
- local authorities.

EN 17932:2024 (E)**1 Scope**

This document provides requirements for operation of vehicles that use liquefied natural gas (LNG) as a fuel for propulsion, covering various aspects of LNGV workshops including activities, risk management, planning, personnel, layout, systems and operations. It provides requirements regarding the management of LNGV including use, parking, fuelling for commissioning, inspection, installation, repair and maintenance, disposal, transportation and documentation.

This document is applicable to the management of LNG vehicles.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 2, *Classification of fires*

EN 50402, *Electrical apparatus for the detection and measurement of combustible or toxic gases or vapours or of oxygen — Requirements on the functional safety of gas detection systems*

EN 60079-10-1, *Explosive atmospheres — Part 10-1: Classification of areas — Explosive gas atmospheres (IEC 60079-10-1)*

EN 60079-29-2, *Explosive atmospheres — Part 29-2: Gas detectors — Selection, installation, use and maintenance of detectors for flammable gases and oxygen (IEC 60079-29-2)*

EN ISO 10012, *Measurement management systems — Requirements for measurement processes and measuring equipment (ISO 10012)*

ISO 31000, *Risk management — Guidelines*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN