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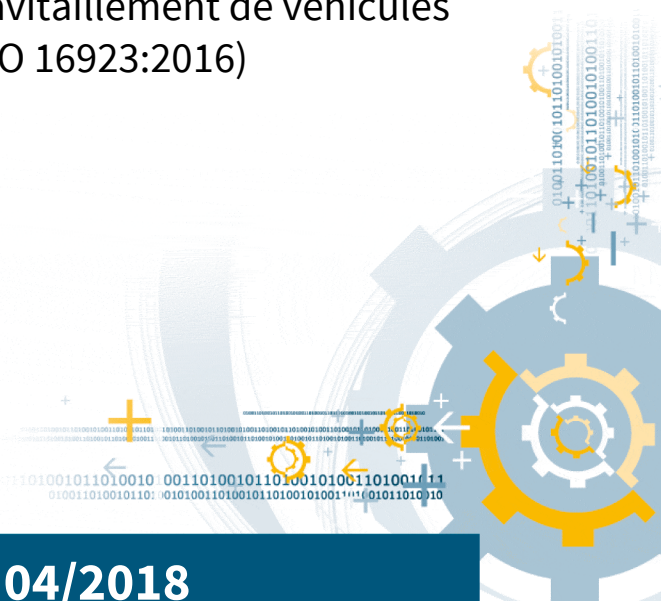
ILNAS-EN ISO 16923:2018

Natural gas fuelling stations - CNG stations for fuelling vehicles (ISO 16923:2016)

Erdgastankstellen - CNG-Tankstellen zur
Betankung von Fahrzeugen (ISO
16923:2016)

Stations-service de gaz naturel - Stations
GNC pour le ravitaillement de véhicules
(ISO 16923:2016)

04/2018



National Foreword

This European Standard EN ISO 16923:2018 was adopted as Luxembourgish Standard ILNAS-EN ISO 16923:2018.

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ILNAS-EN ISO 16923:2018

EUROPEAN STANDARD **EN ISO 16923**
NORME EUROPÉENNE
EUROPÄISCHE NORM

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ICS 75.200

English Version

**Natural gas fuelling stations - CNG stations for fuelling
vehicles (ISO 16923:2016)**

Stations-service de gaz naturel - Stations GNC pour le
ravitaillement de véhicules (ISO 16923:2016)

Erdgastankstellen - CNG-Tankstellen zur Betankung
von Fahrzeugen (ISO 16923:2016)

This European Standard was approved by CEN on 26 January 2018.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

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European foreword

The text of ISO 16923:2016 has been prepared by ISO/TMBG "Technical Management Board - groups" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 16923:2018 by Technical Committee CEN/TC 326 "Natural Gas Vehicles - Fuelling and Operation" the secretariat of which is held by NEN.

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 October 2018, and conflicting national standards shall be withdrawn at the latest by October 2018.

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.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

This document has been prepared under the standardization request M/533 given to CEN by the European Commission and the European Free Trade Association in the framework of Directive 2014/94/EU on the deployment of alternative fuels infrastructure.

The standardization request M/533 focuses on interoperability aspects of the alternative fuels infrastructure, which for CNG fuelling stations are covered in this document by the following items:

- Fuelling pressure (service pressure): This document applies a fuelling pressure of 20,0 MPa gauge (200 bar) at 15 °C. This document allows possible higher fuelling pressures if the necessary requirements as provided are met accordingly. When adopting the fuelling pressure of 20,0 MPa at 15 °C, the maximum fuelling pressure can be 26,0 MPa with "temperature compensation".
- Connector profile: The harmonized connector profile is described in EN ISO 14469:2017, that specifies CNG refuelling nozzles and receptacles constructed entirely of new and unused parts and materials, for road vehicles powered by CNG, and which is referenced in this document as well as included in UN/ECE Regulation N° 110. EN ISO 14469:2017 refers to fuelling pressures of 20 MPa and 25 MPa for both "size 1" (B200 and B250) and "size 2" (C200 and C250).

In addition to interoperability aspects, the following aspects are relevant for applying this document in Europe:

- Fuel quality: The quality of CNG for use as automotive fuel is covered in EN 16723-2:2017, that specifies the requirements and test methods for natural gas, biomethane and blends of both.
- Fuel labelling: The fuel label for CNG at dispensers is covered by EN 16942:2016, that lays down harmonized identifiers for marketed liquid and gaseous fuels, and which has also been developed to support Directive 2014/94/EU.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 16923:2016 has been approved by CEN as EN ISO 16923:2018 without any modification.

Annex A (informative)

A-deviation

A-deviation: National deviation due to regulations, the alteration of which is for the time being outside the competence of the CEN-CENELEC national member.

This European Standard does not fall under any Directive of the EU.

In the relevant CEN-CENELEC countries these A-deviations are valid instead of the provisions of the European Standard until they have been removed.

Country	Clause	Deviation
ITALY	Annex B (normative) Separation distances B.3 Internal Separation distances, Table B.1 – Internal separation distances	According to Italian legislation concerning rules of fire prevention for the design, construction and operation of stations for fuelling compressed natural gas (CNG) to vehicles, the internal safety distances are higher than those prescribed in the standard Ministerial Decree of 24 th May 2002 (published on the Official Journal of the Italian Republic n.131 of 6 th June 2002), as amended by Ministerial Decree of 28 th June 2002 (published on the Official Journal of the Italian Republic n. 161 of 11 th July 2002)

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*Stations-service de gaz naturel — Stations GNC pour le ravitaillement
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