



BSI Standards Publication

Natural gas fuelling stations — Guidance for implementation of European standards on CNG and LNG stations for fuelling vehicles

National foreword

This Published Document is the UK implementation of CEN/TR 17452:2020.

The UK participation in its preparation was entrusted to Technical Committee GSE/40, Gas supply equipment for natural gas vehicles.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Published by BSI Standards Limited 2020

ISBN 978 0 539 06064 5

ICS 75.200

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This Published Document was published under the authority of the Standards Policy and Strategy Committee on 29 February 2020.

Amendments/corrigenda issued since publication

Date	Text affected
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English Version

**Natural gas fuelling stations - Guidance for
implementation of European standards on CNG and LNG
stations for fuelling vehicles**

Erdgastankstellen - Leitlinien für die Umsetzung
europäischer Normen für CNG- und LNG-Anlagen zur
Betankung von Fahrzeugen

This Technical Report was approved by CEN on 8 December 2019. It has been drawn up by the Technical Committee CEN/TC 326.

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European foreword

This document (CEN/TR 17452:2020) has been prepared by Technical Committee CEN/TC 326 “Natural gas vehicles – Fuelling and operation”, the secretariat of which is held by NEN and TSE.

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.

Introduction

Under standardization request M/533, CEN/TC 326 has adopted ISO 16923 and ISO 16924 as European standards to support the deployment of infrastructure for vehicles operating on natural gas, either compressed (CNG) or liquefied (LNG). In addition to interoperability aspects, as the objective of M/533, the international standards concerned also address minimum safety requirements and describe up-to-date technology.

ISO 16923 and ISO 16924 have been developed by experts of relevant industry sectors across different parts of the world, including Europe. The intent of ISO 16923 and ISO 16924 is that they are worldwide applicable. For this reason, they cannot specifically address European standards as well as European Directives and other European regulations.

Requirements in European legislation prevails over requirements in (European) standards, which are designed for voluntary use. As part of the European adoption process of ISO 16923 and ISO 16924 it was concluded that these international standards do not conflict with European legislation. It was also considered useful to link the referenced international standards to equivalent European standards and, if applicable, to European Directives.

After the publication of ISO 16923 and ISO 16924, some issues were identified in these international standards that can be further clarified. It was considered useful to include these clarifications in this document as well. When revising ISO 16923 and ISO 16924, these clarifications can be considered to be incorporated in the second edition of those international standards.

Since the similarities between EN ISO 16923 and EN ISO 16924 and because several organizations provide products and/or services for both CNG and LNG fuelling stations at the European market, this document provides guidance for the implementation of both EN ISO 16923 and EN ISO 16924.