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

Táto technická normalizačná informácia obsahuje anglickú verziu CEN/TR 17452:2020.
This Technical standard information includes the English version of CEN/TR 17452:2020.

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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.

CEN/TR 17452:2020 (E)**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.

1 Scope

This document provides guidance to support organizations with the implementation of the European standards on CNG and LNG stations for fuelling vehicles (i.e. EN ISO 16923:2018 and EN ISO 16924:2018, respectively).

This document cross-references European standards to the international standards listed in EN ISO 16923:2018 and EN ISO 16924:2018 and links these standards to relevant European Directives, where applicable.

This document provides clarifications of certain requirements and recommendations described in EN ISO 16923:2018 and EN ISO 16924:2018.

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 ISO 16923:2018, *Natural gas fuelling stations - CNG stations for fuelling vehicles (ISO 16923:2016)*

EN ISO 16924:2018, *Natural gas fuelling stations - LNG stations for fuelling vehicles (ISO 16924:2016)*

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