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Road vehicles — Compressed natural gas (CNG) fuel systems

Part 2: Test methods

bsi.

National foreword

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Contents

Page

Foreword ..... **iv**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Test methods **2**
4.1 Cylinder mounting strength tests 2
4.1.1 General 2
4.1.2 Inertia test 2
4.1.3 Static test 2
4.1.4 Alternative method 3
4.1.5 Acceptance criteria 3
4.2 Leak test 3
4.3 Functional test 4
4.3.1 Main shut-off valve test 4
4.3.2 Receptacle clearance test 4
4.4 Receptacle mounting tests 4
Annex A (informative) **Engineering experience for the mounting of steel cylinders** **5**
Bibliography **9**

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 22, *Road vehicles*, Subcommittee SC 41, *Specific aspects for gaseous fuels*.

This second edition cancels and replaces the first edition (ISO 15501-2:2001), which has been technically revised.

A list of all parts in the ISO 15501 series can be found on the ISO website.

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INTERNATIONAL STANDARD ISO 15501-2:2016(E)

Road vehicles — Compressed natural gas (CNG) fuel systems —

Part 2: Test methods

1 Scope

This document specifies the test methods for checking the minimum safety requirements specified in ISO 15501-1. It is applicable to the functionality of the fuel systems designed to operate on compressed natural gas of motor vehicles as defined in ISO 3833.

NOTE For tests of individual components, refer to the parts of ISO 15500, ISO 14469 and ISO 11439.

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 indicated applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6487, *Road vehicles — Measurement techniques in impact tests — Instrumentation*

ISO 11439, *Gas cylinders — High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles*

ISO 15501-1:—[1)], *Road vehicles — Compressed natural gas (CNG) fuel systems — Part 1: Safety requirements*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 15500-1, ISO 15501-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— IEC Electropedia: available at http://www.electropedia.org/

— ISO Online browsing platform: available at http://www.iso.org/obp

3.1
notified body
government appointed body mandated to approve or disapprove

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