

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

सड़क वाहन - संपीडित गैसीय हाइड्रोजन (सीजीएच 2) और
हाइड्रोजन/प्राकृतिक गैस मिश्रित ईंधन प्रणाली
भाग 2 परीक्षण विधियाँ

Draft Indian Standard

**ROAD VEHICLES — COMPRESSED GASEOUS HYDROGEN (CGH₂) AND
HYDROGEN/NATURAL GAS BLENDS FUEL SYSTEMS
PART 2 TEST METHODS**

ICS: 43.060.40

Automotive Vehicles Running on Non Conventional Energy Sources Sectional Committee, TED 26	Last Date for Comments: 29/11/2024
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Automotive Vehicles Running on Non Conventional Energy Sources Sectional Committee,
TED 26

NATIONAL FOREWORD

This draft Indian Standard (Part 2) which is identical with ISO 21266-2: 2018 ‘Road vehicles — Compressed gaseous hydrogen (CGH₂) and hydrogen/natural gas blends fuel systems — Part 2: Test methods’ issued by International Organization for Standardization (ISO), will be adopted by the Bureau of Indian Standards on the recommendations of Automotive Vehicles Running on Non Conventional Energy Sources Sectional Committee and after approval of the Transport Engineering Division Council (TEDC).

The text of ISO standard has been approved for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

All matters relating to the skills of installers and converters have been excluded from this document.

The text of ISO standard is proposed for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standard for which Indian Standard also exist. The corresponding Indian Standard, which is to be substituted in their respective places, is listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 12619 (all parts) Road vehicles — Compressed gaseous hydrogen (CGH ₂) and hydrogen/natural gas blends fuel system components	IS/ISO 12619 : (Part 1 to 16)	Identical under single numbering

ISO 21266-1:2018 Road vehicles — Compressed gaseous hydrogen (CGH2) and hydrogen/natural gas blends fuel systems — Part 1: Safety requirements	Doc No-TED26(26637) Road vehicles Compressed gaseous hydrogen CGH2 and hydrogen/natural gas blends fuel systems Part 1: Safety requirements	Document under Development
ISO 6487: 2015 Road vehicles — Measurement techniques in impact tests — Instrumentation	Doc No-TED29(25910) Road Vehicles Measurement Techniques in Impact Tests Instrumentation	Document under Development

Attention is drawn to the possibility that some of the elements of this standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

Annex A and B forms *informative/normative* part of this standard.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test or analysis, shall be rounded off in accordance with IS 2: 2022 ‘Rules for rounding off numerical values (second revision)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Scope

This document specifies the test methods for checking the minimum safety requirements specified in ISO 21266-1. It is applicable to the functionality of the fuel systems designed to operate on compressed gaseous hydrogen and hydrogen/natural gas blends of motor vehicles as defined in ISO 3833.

For tests of individual components, refer to the parts of ISO 12619, ISO 16380, ISO 17268, ISO 198811 and ISO/TS 15869 as applicable

**FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 21266-2: 2018
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