



NSAI
Standards

Irish Standard
I.S. EN 1646-1:2018

Leisure accommodation vehicles - Motor caravans - Part 1: Habitation requirements relating to health and safety

I.S. EN 1646-1:2018

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

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EUROPEAN STANDARD

EN 1646-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2018

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Supersedes EN 1646-1:2012

English Version

Leisure accommodation vehicles - Motor caravans - Part 1: Habitation requirements relating to health and safety

Véhicules habitables de loisirs - Autocaravanes - Partie
1 : Exigences d'habitation relatives à la santé et à la
sécurité

Bewohnbare Freizeitfahrzeuge - Motorcaravans - Teil
1: Anforderungen an den Wohnbereich hinsichtlich
Gesundheit und Sicherheit

This European Standard was approved by CEN on 6 December 2017.

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 1646-1:2018) has been prepared by Technical Committee CEN/TC 245 “Leisure accommodation vehicles”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by August 2018, and conflicting national standards shall be withdrawn at the latest by August 2018.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 supersedes EN 1646-1:2012.

In relation to EN 1646-1:2012, the main technical changes are:

- a) reference to EN 1646-2 (withdrawn) deleted throughout the document;
- b) in 5.2.2 “Minimum tread dimensions”, requirements specified;
- c) new 5.3.4 added for dead-locking systems;
- d) 6.1.3 “Protection against falling out” simplified;
- e) in 7.4.2 “Outlets and couplings from toilet holding tanks”, requirements specified and extended;
- f) 12.1.2 “Escape path” and 12.1.3 “Sanitation compartment” clarified;
- g) 12.1.6 “Emergency windows and emergency panels” modified;
- h) 12.2 “Protection of flammable elements” specified;
- i) in Clause 14 “User’s handbook”, information added and new types of fire extinguisher covered;
- j) normative references updated;
- k) editorially modified.

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.

1 Scope

This document specifies requirements intended to ensure the safety and health of persons when they use motor caravans for temporary or seasonal habitation.

It also specifies the corresponding test methods.

Specific requirements of this document apply to motor caravans where the overall length multiplied by the overall width does not exceed 13,5 m² plan area.

Requirements applicable to road safety are not included in the scope of this document.

This document is applicable exclusively to motor caravans as defined in EN 13878.

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 3-7, *Portable fire extinguishers — Part 7: Characteristics, performance requirements and test methods*

EN 721, *Leisure accommodation vehicles — Safety ventilation requirements*

EN 1648-2, *Leisure accommodation vehicles — 12 V direct current extra low voltage electrical installations — Part 2: Motor caravans*

EN 1949, *Specification for the installation of LPG systems for habitation purposes in leisure accommodation vehicles and accommodation purposes in other vehicles*

EN 13878, *Leisure accommodation vehicles — Terms and definitions*

HD 60364-7-721, *Low-voltage electrical installations — Part 7-721: Requirements for special installations or locations — Electrical installations in caravans and motor caravans (IEC 60364-7-721)*

EN ISO 8936, *Awnings for leisure accommodation vehicles — Requirements and test methods (ISO 8936)*

ISO 4649:2017, *Rubber, vulcanized or thermoplastic — Determination of abrasion resistance using a rotating cylindrical drum device*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13878 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>

4 Testing

The tests described in Annexes A to K are intended to verify that a motor caravan representative of a given model, including its fixtures and fittings, meets the requirements of this document.

These tests are intended to simulate the most onerous conditions, for the relevant characteristics.

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