

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

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 1646-1:2012 sisaldab Euroopa standardi EN 1646-1:2012 ingliskeelset teksti.	This Estonian standard EVS-EN 1646-1:2012 consists of the English text of the European standard EN 1646-1:2012.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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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 16 June 2012.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Foreword

This document (EN 1646-1:2012) 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of an identical text or by endorsement, at the latest by January 2013, and conflicting national standards shall be withdrawn at the latest by January 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1646-1:2004+A1:2008.

The main technical changes are:

- a) Dimensions for locking systems of exterior doors for motor caravans above 13,5 m² plan area added (see 5.3.1.1);
- b) New clause on awning rail added (see new 5.4);
- c) Dimensions for the distance between the foothold and uppermost part of the bed structure in clause access to upper bunks added (see 6.1.6);
- d) Clause on cupboards revised (see 6.2);
- e) Reference to European Directive in clause materials for drinking water supply updated (see 7.2.2);
- f) Black marking for the drinking water filling points deleted (see 7.2.3);
- g) Reference to European Directive in clause liquefied petroleum gas (LPG) updated (see 10.2);
- h) Informative annex of Environmental aspects added (see Annex L).

EN 1646, *Leisure accommodation vehicles — Motor Caravans* contains the following parts:

- *Part 1: Habitation requirements relating to health and safety* (the present document);
- *Part 2: User payload*.

This European Standard is one of a series covering the habitation aspects of leisure accommodation vehicles. It includes eleven normative annexes and one informative annex.

According to the CEN/CENELEC Internal Regulations, the national standards organisations 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

Figure 1 gives an overview of the relevant European Standards for caravans, motor caravans and caravan holiday homes.

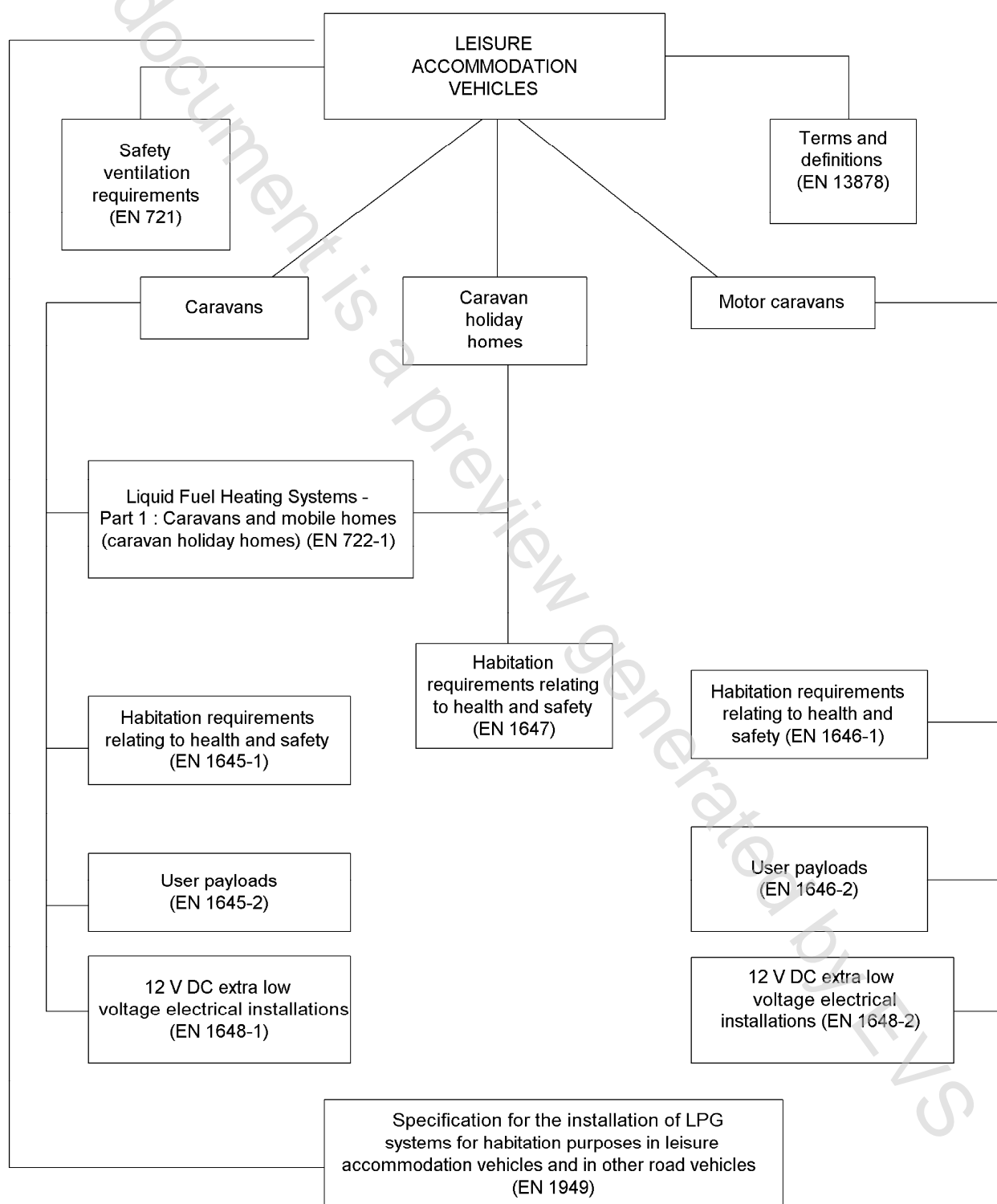


Figure 1 — Overview of relevant European Standards applying to leisure accommodation vehicles

1 Scope

This European Standard 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.

However, certain requirements of this European Standard do not apply to motor caravans where the overall length multiplied by the overall width does not exceed 13,5 m² plan area.

EN 1646-2 gives requirements relating to user payloads for motor caravans.

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

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

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

EN 1646-2, *Leisure accommodation vehicles — Caravans — Part 2: User payload*

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 13878:2003, *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 4649:2010, *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 13878:2003 apply.

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 European Standard.

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

NOTE It is recommended to take environmental aspects into account during development, production and disposal of motor caravans based on established knowledge and within the respective technical possibilities (see also Annex L).