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NSAI Standards

Irish Standard
I.S. EN 1645-1:2012

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

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EUROPEAN STANDARD

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EUROPÄISCHE NORM

EN 1645-1

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ICS 43.100

Supersedes EN 1645-1:2004+A1:2008

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

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

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Foreword

This document (EN 1645-1:2012) 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of an identical text or by endorsement, at the latest by January 2013, and conflicting national standards shall be withdrawn at the latest by January 2013.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 1645-1:2004+A1:2008.

The main technical changes are:

a) Dimensions for locking systems of exterior doors added (see 5.6.1);

b) New clause on awning rail added (see 5.7);

c) Clear width of a bunk deleted (see 6.1.2);

d) Protection against falling out amended (see 6.1.3.1);

e) Informative annex on environmental aspects added (see Annex O);

f) Normative references updated.

EN 1645, *Leisure accommodation vehicles — 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 fourteen 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.

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Introduction

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

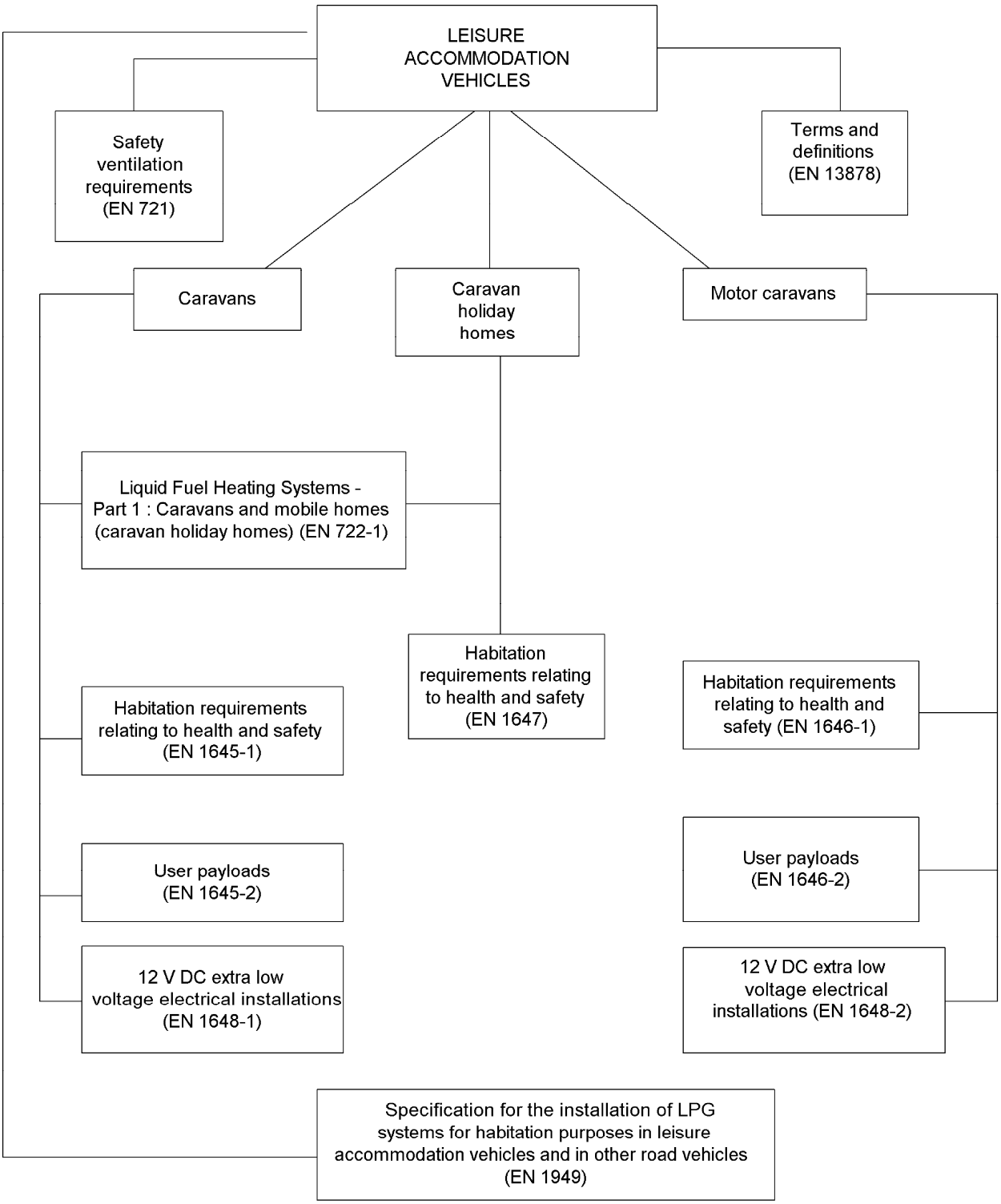

Figure 1 — Overview of relevant European Standards applying to leisure accommodation vehicles

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1 Scope

This European Standard specifies requirements intended to ensure the safety and health of people when they use caravans for temporary or seasonal habitation.

It also specifies the corresponding test methods.

EN 1645-2 gives requirements relating to user payloads for caravans.

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

This European Standard is applicable exclusively to rigid and rigid folding 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 722-1, *Leisure accommodation vehicles — Liquid fuel heating systems — Part 1: Caravans and caravan holiday homes*

EN 1645-2, *Leisure accommodation vehicles — Caravans — Part 2: User payload*

EN 1648-1, *Leisure accommodation vehicles — 12 V direct current extra low voltage electrical installations — Part 1: 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 Annex A to N are intended to verify that a 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 caravans based on established knowledge and within the respective technical possibilities (see also Annex O).

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