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PATSIENDI TRANSPORDIVAHENDID

Patient handling equipment used in road ambulances -
Part 1: General stretcher systems and patient handling
equipment

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Patient handling equipment used in road ambulances - Part 1: General stretcher systems and patient handling equipment

Spécifications d'équipements pour le transport de patient
dans les ambulances routières - Partie 1: Systèmes
généraux de brancards et équipement pour le transport de
patients

Krankentransportmittel im Krankenkraftwagen - Teil 1:
Allgemeine Krankentragesysteme und
Krankentransportmittel

This European Standard was approved by CEN on 2 July 2010 and includes Amendment 1 approved by CEN on 26 March 2015.

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Foreword

This document (EN 1865-1:2010+A1:2015) has been prepared by Technical Committee CEN/TC 239 "Rescue systems", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by November 2015, and conflicting national standards shall be withdrawn at the latest by November 2015.

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 includes Amendment 1, approved by CEN on 2015-03-26.

The start and finish of text introduced or altered by amendment is indicated in the text by tags $\boxed{A_1}$ $\triangleleft A_1$.

$\boxed{A_1}$ This document supersedes EN 1865-1:2010 $\triangleleft A_1$.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

$\boxed{A_1}$ This European Standard is a part of EN 1865, *Patient handling equipment used in road ambulances*, which consists of the following parts:

- *Part 1: General stretcher systems and patient handling equipment* [the present document];
- *Part 2: Power assisted stretcher;*
- *Part 3: Heavy duty stretcher;*
- *Part 4: Foldable patient transfer chair;*
- *Part 5: Stretcher support.* $\triangleleft A_1$

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

This European Standard incorporates specifications for:

- main stretcher – undercarriage;
- chair stretcher;
- transfer mattress;
- carrying sheet;
- pick up stretcher;
- vacuum mattress and pump;
- long spinal board;
- foldable carrying chair;
- non-foldable carrying chair.

Stretcher systems and patient handling equipment covered by this standard EN 1865-1 are for use in road ambulances.

In this standard reference is made to [A1](#) EN 1789:2007+A2:2014 [A1](#) which specifies design requirements and test methods for road ambulances, which are relevant for checking requirements for such handling equipment.

NOTE Standardisation work will continue with the aim of ensuring the safe transfer of patients and equipment without compromising continuity of patient care and the safety of staff.

1 Scope

This European Standard defines minimum requirements for the design and performance of stretchers and other patient handling equipment used in road ambulances for the handling and carrying of patients. It aims to ensure patient safety and minimize the physical effort required by staff operating the equipment.

2 Normative references

The following referenced documents are indispensable for the application 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 597-1:1994 A1, *Furniture - Assessment of the ignitability of mattresses and upholstered bed bases - Part 1: Ignition source: Smouldering cigarette*

A1 deleted text A1

EN 1021-1:2014 A1, *Furniture - Assessment of the ignitability of upholstered furniture - Part 1: Ignition source smouldering cigarette*

EN 1041:2008+A1:2013 A1, *Information supplied by the manufacturer of medical devices*

EN 1789:2007+A2:2014 A1, *Medical vehicles and their equipment - Road ambulances*

EN ISO 14971:2012 A1, *Medical devices - Application of risk management to medical devices (ISO 14971:2007, Corrected version 2007-10-01)*

EN ISO 15223-1:2012, *Medical devices - Symbols to be used with medical device labels, labelling and information to be supplied - Part 1: General requirements (ISO 15223-1:2012) A1*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

main stretcher

main device for the conveyance of a sick and/or injured person or those in labour with the purpose to transport patients in safety and in comfort whilst facilitating treatment

3.2

chair stretcher

device designed to handle and carry a patient in a sitting or lying position, including conveying a patient in the vehicle

3.3

transfer mattress

device intended to facilitate the transfer of the patient from one stretcher to another

3.4

carrying sheet

special sheet to handle and carry a patient in a lying or sitting position