Irish Standard
I.S. EN 1789:2007+A2:2014

Medical vehicles and their equipment - Road ambulances

I.S. EN 1789:2007+A2:2014

Incorporating amendments/corrigenda/National Annexes issued since publication:

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EUROPEAN STANDARD

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English Version

Medical vehicles and their equipment - Road ambulances

Véhicules de transport sanitaire et leurs équipements - Ambulances routières

Rettungsdienstfahrzeuge und deren Ausrüstung - Krankenkraftwagen

This European Standard was approved by CEN on 24 February 2007 and includes Amendment 1 approved by CEN on 6 March 2010 and Amendment 2 approved by CEN on 14 July 2014.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 1789:2007+A2:2014) 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of an identical text or by endorsement, at the latest by March 2015, and conflicting national standards shall be withdrawn at the latest by March 2015.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 2010-03-06 and Amendment 2, approved by CEN on 2014-07-14.

This document supersedes [A2] EN 1789:2007+A1:2010 [/A2].

The start and finish of text introduced or altered by amendment is indicated in the text by tags [A1] [/A1] and [A2] [/A2].

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.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

〈A2〉 Introduction

In the development of the European standard EN during the 90's, Directive 70/156/EEC has been considered.

In October 2009, CEN/TC 239 appointed an ad-hoc group to evaluate the impact of the Directive 2007/46/EC which replaces Directive 70/156/EEC, on EN 1789:2007 and to assess its application in different member countries of CEN.

Moreover the definition of ambulance of the COMMISSION REGULATION (EU) No 678/2011 (14 July 2011 replacing Annex II and amending Annexes IV, IX and XI to Directive 2007/46/EC) refers to EN 1789:2007.

The appointed ad-hoc group reported its findings as follows:

— EN 1789:2007 has not been applied consistently by notified bodies since the text for verifying compliance is open to interpretation and may cause difficulties to Technical Services (TS) as defined in Directive 2007/46/EC, EN 1789:2007 or local authorities;

— these differences can lead to declarations that the same ambulance complies or does not comply with EN 1789:2007;

— manufacturers of ambulances may have the same problems of interpretation in the design of their ambulances;

— users of ambulances may have the same problems of interpretation that affects their responsibility.

This second amendment[1)] gives an answer to questions concerning the application of EN 1789:2007 and avoids differences in interpretation between such notified bodies to check compliance of vehicles specially adapted to medical transportation (Road ambulances).

NOTE Such as the demonstration of compliance to the requirements of 4.5.9 or 4.3. 〈A2〉

1) 〈A2〉 The first amendment published in 2010 only updates Table ZA.1 to consider the revision of Directive 93/42/EEC. 〈A2〉

1 Scope

This European Standard specifies requirements for the design, testing, performance and equipping of road ambulances used for the transport and care of patients. It contains requirements for the patient's compartment.

This European Standard does not cover the requirements for approval and registration of the vehicle and the training of the staff which is the responsibility of the authority/authorities in the country where the ambulance is to be registered.

This European Standard is applicable to road ambulances capable of transporting at least one person on a stretcher.

Requirements are specified for categories of road ambulances based in increasing order of the level of treatment that can be carried out. These are the patient transport ambulance (types A_1 A_2), the emergency ambulance (type B) and the mobile intensive care unit (type C).

This European Standard gives general requirements for medical devices carried in road ambulances and used therein and outside hospitals and clinics in situations where the ambient conditions can differ from normal indoor conditions.

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.

[A2] EN 3-7:2004+A1:2007 [A2], *Portable fire extinguishers — Part 7: Characteristics, performance requirements and test methods*

[A2] EN 420:2003+A1:2009 [A2], *Protective gloves — General requirements and test methods*

[A2] EN 455-1:2000 [A2], *Medical gloves for single use — Part 1: Requirements and testing for freedom from holes*

[A2] EN 455-2:2009+A2:2013 [A2], *Medical gloves for single use — Part 2: Requirements and testing for physical properties*

[A2] *deleted text* [A2]

EN 737-1:1998, *Medical gas pipeline systems — Part 1: Terminal units for compressed medical gases and vacuum*

EN 737-3:1998, *Medical gas pipeline systems — Part 3: Pipelines for compressed medical gases and vacuum*

[A2] *deleted text* [A2]

[A2] EN 794-3:1998+A2:2009 [A2], *Lung ventilators — Part 3: Particular requirements for emergency and transport ventilators*

[A2] *deleted text* [A2]

[A2] EN 1041:2008+A1:2013, *Information supplied by the manufacturer of medical devices* [A2]