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Standards

Irish Standard  
I.S. EN 13976-1:2011

# Rescue systems - Transportation of incubators - Part 1: Interface conditions

## I.S. EN 13976-1:2011

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## Rescue systems - Transportation of incubators - Part 1: Interface conditions

Systèmes de sauvetage - Transport d'incubateurs - Partie  
1: Conditions d'interface

Rettungssysteme - Inkubatortransport - Teil 1:  
Anforderungen an Schnittstellen

This European Standard was approved by CEN on 14 April 2011.

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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 13976-1:2011) 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of an identical text or by endorsement, at the latest by November 2011, and conflicting national standards shall be withdrawn at the latest by November 2011.

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 13976-1:2003.

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.

EN 13976-1:2003 has been technically revised. The following points represent the most important changes in the revision:

- 1) clarified ambiguous and unclear issues between the two parts (requirements for the transport incubator system interface conditions and system requirements, respectively);
- 2) proposed items in order to improve fixation, interchangeability and interoperability of the transport incubator system when transported in hospitals and between hospitals using different ambulances and air crafts;
- 3) adapted the standard to developments in neonatal intensive care;
- 4) excluded proposals on standards for stretchers, vehicles or medical devices.

EN 13976 consists of the following parts, under the general title: *Rescue systems — Transportation of incubators*:

— *Part 1: Interface conditions*

— *Part 2: System requirements.*

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

## **Introduction**

This European Standard gives the requirements for the interfaces required in the transport of a transport incubator system. The standard include interfaces between the incubator and the ambulance as well as those between the various items of equipment used to make up the transport incubator system. They are essential in order to ensure interchangeability and a safe and effective function in different vehicles, allowing the uninterrupted care of patients. Requirements for interface conditions are given in this part 1 (EN 13976-1). Requirements for the system are given in part 2 (EN 13976-2).

Fixation, monitoring, supply of gas and electricity are maintained through the use of the same standard interfaces as defined in this document.

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