



National Standards Authority of Ireland

IRISH STANDARD

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ICS 91.140.10

**HEATING SYSTEMS IN BUILDINGS -
PROCEDURE FOR THE PREPARATION OF
DOCUMENTS FOR OPERATION,
MAINTENANCE AND USE - HEATING
SYSTEMS REQUIRING A TRAINED
OPERATOR**

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EUROPEAN STANDARD
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English version

**Heating systems in buildings - Procedure for the preparation of
documents for operation, maintenance and use - Heating
systems requiring a trained operator**

Systèmes de chauffage dans les bâtiments - Instructions
de conduite, maintenance et utilisation - Systèmes de
chauffage exigeant un opérateur professionnel

Heizungsanlagen in Gebäuden - Betriebs-, Wartungs- und
Bedienungsanleitungen - Heizungsanlagen, die
qualifiziertes Bedienungspersonal erfordern

This European Standard was approved by CEN on 11 April 2002.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document EN 12170:2002 has been prepared by Technical Committee CEN/TC 228 "Heating systems in buildings", the secretariat of which is held by DS.

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of an identical text or by endorsement, at the latest by January 2003, and conflicting national standards shall be withdrawn at the latest by January 2003.

This document includes two informative annexes A and B, and no normative annexes.

The subjects covered by CEN/TC 228 are the following:

- design of heating systems (water based, electrical, etc.);
- installation of heating systems;
- commissioning of heating systems;
- instructions for operation, maintenance and use of heating systems;
- methods for calculation of the design heat loss and heat loads;
- methods for calculation of the energy performance of heating systems.

Heating systems also include the effect of attached systems such as hot water production systems.

All these standards are system standards, i.e. they are based on requirements addressed to the system as a whole and not dealing with requirements to the products within the system.

Where possible, reference is made to other CEN or ISO standards, a.o. product standards. However, use of products complying with relevant product standards is no guarantee of compliance with the system requirements.

The requirements are mainly expressed as functional requirements, i.e. requirements dealing with the function of the system and not specifying shape, material, dimensions or the like.

The guidelines describe ways to meet the requirements, but other ways to fulfil the functional requirements might be used if fulfilment can be proved.

Heating systems differ among the member countries due to climate, traditions and national regulations. In some cases requirements are given as classes so national or individual needs may be accommodated.

In cases where the standards contradict with national regulations, the latter should be followed.

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