

Ergonomic design of control centres —

Part 6: Environmental requirements for control centres

The European Standard EN ISO 11064-6:2005 has the status of a
British Standard

ICS 13.180

National foreword

This British Standard is the official English language version of EN ISO 11064-6:2005. It is identical with ISO 11064-6:2005.

The UK participation in its preparation was entrusted to Technical Committee PH/9, Applied ergonomics, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep UK interests informed;
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Summary of pages

This document comprises a front cover, an inside front cover, the EN ISO title page, the EN ISO foreword page, the ISO title page, pages ii to v, a blank page, pages 1 to 20, an inside back cover and a back cover.

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English Version

Ergonomic design of control centres - Part 6: Environmental
requirements for control centres (ISO 11064-6:2005)

Conception ergonomique des centres de commande -
Partie 6: Exigences relatives à l'environnement pour les
centres de commande (ISO 11064-6:2005)

Ergonomische Gestaltung von Leitzentralen - Teil 6:
Umgebungsbezogene Anforderungen an Leitzentralen (ISO
11064-6:2005)

This European Standard was approved by CEN on 9 May 2005.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Foreword

This document (EN ISO 11064-6:2005) has been prepared by Technical Committee ISO/TC 159 "Ergonomics" in collaboration with Technical Committee CEN/TC 122 "Ergonomics", 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of an identical text or by endorsement, at the latest by January 2006, and conflicting national standards shall be withdrawn at the latest by January 2006.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of ISO 11064-6:2005 has been approved by CEN as EN ISO 11064-6:2005 without any modifications.

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*Partie 6: Exigences relatives à l'environnement pour les centres de
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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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ISO 11064-6 was prepared by Technical Committee ISO/TC 159, *Ergonomics*, Subcommittee SC 4, *Ergonomics of human-system interaction*.

ISO 11064 consists of the following parts, under the general title *Ergonomic design of control centres*:

- *Part 1: Principles for the design of control centres*
- *Part 2: Principles for the arrangement of control suites*
- *Part 3: Control room layout*
- *Part 4: Layout and dimensions of workstations*
- *Part 6: Environmental requirements for control centres*
- *Part 7: Principles for the evaluation of control centres*

Introduction

The environmental aspects associated with the design of man–machine systems need to be addressed, since poor environments can seriously affect operator performance. In control rooms, these environmental factors include lighting, humidity, temperature, vibration and noise. These factors also need to take account of shift work, real-time operations under time pressure and the specialised equipment used in control rooms.

In this part of ISO 11064, environmental requirements are presented which optimize work conditions in such a way that safety is ensured, health is not impaired and the efficiency of control room operators is promoted.

The degree of specificity of this standard does not extend to national and local requirements, which can vary between countries and/or regions. In such cases, experts in the relevant areas (human factors and ergonomics, lighting, acoustics, thermal environment, etc.) will need to be consulted. For specific values on environmental variables, see Annex A and/or consult local and/or national standards for the relevant country or region.

