

Ergonomic requirements for office work with visual display terminals (VDTs) —

Part 1: General introduction

The European Standard EN ISO 9241-1:1997, with the incorporation of amendment A1:2001, has the status of a British Standard

ICS 13.180; 35.180

National foreword

This British Standard is the English language version of EN ISO 9241-1:1997, including amendment A1:2001. It is identical with ISO 9241-1:1997, including amendment 1:2001. It supersedes BS EN 29241-1:1993 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee PH/9, Applied ergonomics, to Subcommittee PH/9/6, User system interface, 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 the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, the EN foreword page, the ISO title page, pages ii to iv, pages 1 to 16, an inside back cover and a back cover.

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Ergonomic requirements for office work with visual display terminals (VDTs) — Part 1: General introduction

(includes amendment A1:2001)

(ISO 9241-1:1:1997 + A1:2001)

Exigences ergonomiques pour travail de bureau avec
terminaux à écrans de visualisation (TEV) —
Partie 1: Introduction générale
(inclut l'amendement A1:2001)
(ISO 9241-1:1997 + A1:2001)

Ergonomische Anforderungen für Bürotätigkeiten
mit Bildschirmgeräten —
Teil 1: Allgemeine Einführung
(enthält Änderung A1:2001)
(ISO 9241-1:1997 + A1:2001)

This European Standard was approved by CEN on 1997-05-10. Amendment A1 was approved by CEN on 2001-03-01. 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 Central Secretariat or to any CEN member.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Ref. No. EN ISO 9241-1:1997 + A1:2001 E



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Foreword

The text of the International Standard ISO 9241-1:1997 has been prepared by Technical Committee ISO/TC 159 “Ergonomics” in collaboration with CEN/CS.

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 December 1997, and conflicting national standards shall be withdrawn at the latest by December 1997.

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

This European Standard supersedes EN 29241-1:1993.

Endorsement notice

The text of the International Standard ISO 9241-1:1997 has been approved by CEN as a European Standard without any modifications.

NOTE Normative references to International Standards are listed in Annex ZA (normative).

Foreword to amendment A1

The text of the amendment EN ISO 9241-1:1997/A1:2001 to the EN ISO 9241-1:1997 from Technical Committee ISO/TC 159, Ergonomics, of the International Organization for Standardization (ISO) has been taken over as an amendment to the European Standard by CMC.

This amendment to the European Standard EN ISO 9241-1:1997 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2001, and conflicting national standards shall be withdrawn at the latest by September 2001.

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

NOTE FROM CMC The foreword is susceptible to be amended on reception of the German language version. The confirmed or amended foreword, and when appropriate, the normative Annex ZA for the references to international publications with their relevant European publications will be circulated with the German version.

Endorsement notice

The text of the amendment to the International Standard ISO 9241-1:1997/AM 1:2001 has been approved by CEN as an amendment to the European Standard without any modification.

INTERNATIONAL STANDARD

**ISO
9241-1**

Second edition
1997-06-01

Ergonomic requirements for office work with visual display terminals (VDTs) —

Part 1: General introduction

*Exigences ergonomiques pour travail de bureau avec terminaux à écrans
de visualisation (TEV) —*

Partie 1: Introduction générale



Reference number
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Descriptors: Ergonomics, office machines, computer peripheral equipment, text processing, data terminal equipment, display devices, specifications, generalities.

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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 9241-1 was prepared by Technical Committee ISO/TC 159, *Ergonomics*, Subcommittee SC 4, *Ergonomics of human system interaction*.

This second edition cancels and replaces the first edition (ISO 9241-1:1992), which has been technically revised.

ISO 9241 consists of the following parts, under the general title *Ergonomic requirements for office work with visual display terminals (VDTs)*:

- *Part 1: General introduction;*
- *Part 2: Guidance on task requirements;*
- *Part 3: Visual display requirements;*
- *Part 4: Keyboard requirements;*
- *Part 5: Workstation layout and postural requirements;*
- *Part 6: Environmental requirements;*
- *Part 7: Requirements for display with reflection;*
- *Part 8: Requirements for displayed colours;*
- *Part 9: Requirements for nonkeyboard input devices;*
- *Part 10: Dialogue principles;*
- *Part 11: Guidance on usability;*
- *Part 12: Presentation of information;*
- *Part 13: User guidance;*
- *Part 14: Menu dialogues;*
- *Part 15: Command dialogues;*
- *Part 16: Direct manipulation dialogues;*
- *Part 17: Form-filling dialogues.*

Annex A of this part of ISO 9241 is for information only.

