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Ergonomic requirements for office work with visual display terminals (VDTs) - Part 9: Requirements for non-keyboard input devices

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 9241-9:2000 sisaldab Euroopa standardi EN ISO 9241-9:2000 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 08.08.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 9241-9:2000 consists of the English text of the European standard EN ISO 9241-9:2000.</p> <p>This document is endorsed on 08.08.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This part of ISO 9241 applies to several types of non-keyboard input devices designed for stationary use. It gives guidance based on ergonomic factors for the following input devices: mice, pucks, joysticks, trackballs, tablets, overlays, touch sensitive screens, styli and light pens. It gives guidance on the design of these devices used for typical office tasks so that the limitations and capabilities of users are considered. This part of ISO 9241 specifies methods for determining conformance through observation and by measuring the physical attributes of the various devices.</p>	<p>Scope: This part of ISO 9241 applies to several types of non-keyboard input devices designed for stationary use. It gives guidance based on ergonomic factors for the following input devices: mice, pucks, joysticks, trackballs, tablets, overlays, touch sensitive screens, styli and light pens. It gives guidance on the design of these devices used for typical office tasks so that the limitations and capabilities of users are considered. This part of ISO 9241 specifies methods for determining conformance through observation and by measuring the physical attributes of the various devices.</p>
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ICS 13.180, 35.180

Võtmesõnad:

ICS 13.180; 35.180

English version

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

Part 9: Requirements for non-keyboard input devices
(ISO 9241-9 : 2000)

Exigences ergonomiques pour travail
de bureau avec terminaux à écrans
de visualisation (TEV) – Partie 9:
Exigences relatives aux dispositifs
d'entrée autres que les claviers
(ISO 9241-9 : 2000)

Ergonomische Anforderungen für
Bürotätigkeiten mit Bildschirmgeräten –
Teil 9: Anforderungen an Eingabemittel,
ausgenommen Tastaturen
(ISO 9241-9 : 2000)

This European Standard was approved by CEN on 2000-01-24.

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.

The European Standards exist 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, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

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

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

Foreword

International Standard

ISO 9241-9 : 2000 Ergonomic requirements for office work with visual display terminals (VDTs) – Part 9: Requirements for non-keyboard input devices,

which was prepared by ISO/TC 159 'Ergonomics' of the International Organization for Standardization, has been adopted by CEN/CMC as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by August 2000 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 9241-9 : 2000 was approved by CEN as a European Standard without any modification.

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Introduction

Non-keyboard input devices are commonly used by operators to perform tasks with interactive office computer systems. Input device design can have a significant impact on efficiency, effectiveness and satisfaction. The requirements and recommendations are based on ergonomic principles.

The design requirements and recommendations are intended to address the fifth to ninety-fifth percentile of the population. However, when possible, non-keyboard input devices should be designed to accommodate the anthropometric characteristics of the intended user population.

Annexes A to D are included to provide information on potential methods of testing input devices and to encourage institutions or individuals to conduct research on these methods such that further validation can be supplied.

1 Scope

This part of ISO 9241 provides requirements and recommendations for the design of non-keyboard input devices. It only includes devices for which there exists sufficient published ergonomic information.

This part of ISO 9241 applies to several types of non-keyboard input devices designed for stationary use. It provides guidance based on ergonomic factors for the following input devices: mice, pucks, joysticks, trackballs, tablets and overlays, touch-sensitive screens, styli, and light pens. It gives guidance on the design of these devices used for typical office tasks so that the limitations and capabilities of users are considered. This part of ISO 9241 specifies methods for determining conformance through observation, performance, and by measuring the physical attributes of the various devices.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 9241. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 9241 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 9241-3, *Ergonomic requirements for office work with visual display terminals (VDTs) — Part 3: Visual display requirements*.

ISO 9241-3:1992, Amendment 1:—¹⁾, Annex C (normative): *Visual performance and comfort test*.

ISO 9241-5, *Ergonomic requirements for office work with visual display terminals (VDTs) — Part 5: Workstation layout and postural requirements*.

ISO 9241-7, *Ergonomic requirements for office work with visual display terminals (VDTs) — Part 7: Requirements for display with reflections*.

ISO 9241-8, *Ergonomic requirements for office work with visual display terminals (VDTs) — Part 8: Requirements for displayed colours*.

ISO 13406-2, *Ergonomic requirements for work with visual displays based on flat panels — Part 2: Requirements for flat panel displays*.

1) To be published.