

## **Kuvaritega kontoritöö ergonoomianõuded. Osa 3: Kuvatava kujutise kvaliteedile esitatavad nõuded**

Ergonomic requirements for office work with visual display terminals (VDTs) - Part 3: Visual display requirements

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

|  |   |
|--|---|
| <p>Käesolev Eesti standard EVS-EN 29241-3:2000 sisaldab Euroopa standardi EN 29241-3:1993 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 10.05.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p> | <p>This Estonian standard EVS-EN 29241-3:2000 consists of the English text of the European standard EN 29241-3:1993.</p> <p>This document is endorsed on 10.05.2000 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><b>Käsitlusala:</b></p> <p>Standard kehtestab must-valgete ja värvikuarite konstrueerimisel ja hindamisel rakendatavad kujutise kvaliteedi nõuded. Nõuded on esitatud töötamisomaduste tehniliste andmete kujul. Hinnangute alusel saadakse katsetusmeetodid ja vastavusmõõtmised. Standard kehtib kontoris kasutatavate elektrooniliste kuvarite ergonoomilise disaini kohta.</p> | <p><b>Scope:</b></p> |
|---|----------------------|

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**Võtmesõnad:** andmeterminal, andmetöötlusseadmed, ekraanid, ergonoomiline masinaehitus, kontoriseadmed, kuvarid, spetsifikatsioon

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English version

**Ergonomic requirements for office work with  
visual display terminals (VDTs) - Part 3: Visual  
display requirements (ISO 9241-3:1992)**

Exigences ergonomiques pour travail de bureau  
avec terminaux à écrans de visualisation (TEV)  
- Partie 3: Exigences relatives aux écrans de  
visualisation (ISO 9241-3:1992)

Ergonomische Anforderungen für Bürotätigkeiten  
mit Bildschirmgeräten - Teil 3: Anforderungen  
an visuelle Anzeigen (ISO 9241-3:1992)

This European Standard was approved by CEN on 1992-12-20. 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.

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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

### Foreword

On the proposal of the CEN Central Secretariat, the Technical Board has decided to submit the International Standard:

ISO 9241-3:1992 "Ergonomic requirements for office work with visual display terminals (VDTs) - Part 3: Visual display requirements"

to the formal vote.

The result of the formal vote was positive.

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 October 1993, and conflicting national standards shall be withdrawn at the latest by October 1993.

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

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

### Endorsement notice

The text of this European Standard is identical to the text of the International Standard ISO 9241-3:1992 without any modification.

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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.

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 9241-3 was prepared by Technical Committee ISO/TC 159, *Ergonomics*, Sub-Committee SC 4, *Signals and controls*.

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: Display requirements with reflections*
- *Part 8: Requirements for displayed colours*
- *Part 9: Requirements for non-keyboard input devices*
- *Part 10: Dialogue principles*
- *Part 11: Usability statements*
- *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*

Annexes A, B, C and D of this part of ISO 9241 are for information only.

## **Introduction**

Task performance as well as the comfort of people in office work systems is affected by the presentation of information on the visual display terminal (VDT) and by the visual conditions at the workplace.

The satisfaction of individual human requirements is highly application-dependent. The recommendations and requirements defined here are based on established ergonomics principles, as described in ISO 6385.