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Software ergonomics for multimedia user interfaces - Part 2: Multimedia navigation and control (ISO 14915-2:2003)

Software-Ergonomie für Multimedia-Benutzerschnittstellen - Teil 2: Multimedia-Navigation und Steuerung (ISO 14915-2:2003)

Ergonomie des logiciels pour les interfaces utilisateur multimédias - Partie 2: Navigation et contrôle multimédias (ISO 14915-2:2003)

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**Ta slovenski standard je istoveten z: EN ISO 14915-2:2003**

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**ICS:**

13.180	Ergonomija	Ergonomics
35.200	Vmesniška in povezovalna oprema	Interface and interconnection equipment

**SIST EN ISO 14915-2:2004**

**en**

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NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 14915-2**

July 2003

ICS 13.180; 35.200

English version

## Software ergonomics for multimedia user interfaces - Part 2: Multimedia navigation and control (ISO 14915-2:2003)

Ergonomie des logiciels pour les interfaces utilisateur  
multimédias - Partie 2: Navigation et contrôle multimédias  
(ISO 14915-2:2003)

Software-Ergonomie für Multimedia-Benutzerschnittstellen  
- Teil 2: Multimedia-Navigation und Steuerung (ISO 14915-  
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This European Standard was approved by CEN on 10 July 2003.

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.

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**EN ISO 14915-2:2003 (E)**

<b>CORRECTED 2003-09-24</b>
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**Foreword**

This document (EN ISO 14915-2:2003) 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 2004, and conflicting national standards shall be withdrawn at the latest by January 2004.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

**Endorsement notice**

The text of ISO 14915-2:2003 has been approved by CEN as EN ISO 14915-2:2003 without any modifications.

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

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## Annex ZA (normative)

### Normative references to international publications with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 9241-12	1998	Ergonomic requirements for office work with visual display terminals (VDTs) - Part 12: Presentation of information	EN ISO 9241-12	1998
ISO 9241-13	1998	Ergonomic requirements for office work with visual display terminals (VDTs) - Part 13: User guidance	EN ISO 9241-13	1998
ISO 9241-15	1997	Ergonomic requirements for office work with visual display terminals (VDTs) - Part 15: Command dialogues	EN ISO 9241-15	1997
ISO 9241-16	1999	Ergonomic requirements for office work with visual display terminals (VDTs) - Part 16: Direct manipulation dialogues	EN ISO 9241-16	1999
ISO 14915-1	2002	Software ergonomics for multimedia user interfaces - Part 1: Design principles and framework	EN ISO 14915-1	2002

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**Software ergonomics for multimedia user  
interfaces —**

Part 2:  
**Multimedia navigation and control**

*Ergonomie des logiciels pour les interfaces utilisateur multimédias —*

*Partie 2: Navigation et contrôle multimédias*

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## ISO 14915-2:2003(E)

## 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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 14915-2 was prepared by Technical Committee ISO/TC 159, *Ergonomics*, Subcommittee SC 4, *Ergonomics of human-system interaction*.

ISO 14915 consists of the following parts, under the general title *Software ergonomics for multimedia user interfaces*:

- *Part 1: Design principles and framework* [SIST EN ISO 14915-2:2004](https://standards.iteh.ai/catalog/standards/sist/249c8f4-9b03-436c-8a01-425f14cb114a/sist-en-iso-14915-2-2004)
- *Part 2: Multimedia navigation and control* <https://standards.iteh.ai/catalog/standards/sist/249c8f4-9b03-436c-8a01-425f14cb114a/sist-en-iso-14915-2-2004>
- *Part 3: Media selection and combination*

## Introduction

This part of ISO 14915 applies to both the presentation of content and interaction techniques for user control of computer-based multimedia applications in general, including stand-alone and networked-delivered applications. These applications can vary in size and complexity (e.g. a single web page, a catalogue or an interactive simulation).

This part of ISO 14915 provides specific guidance related to multimedia navigation and control that relates to the three aspects inherent in designing multimedia user interfaces identified in ISO 14915-1:

- content design;
- interaction design;
- media design.

Content design is based on the cognitive needs of the various different users and the different tasks involved in an application. Content design also takes into account various approaches to organize the content to provide support for different methods of exploring the content.

Interaction design focuses on the presentation of this content to users and the methods that will be provided to users for them to interact with this content.

Media design focuses on making use of particular media objects to implement the content and interaction designs.

This part of ISO 14915 is concerned with the navigation between, and control of, various media objects, presentation segments, and content chunks. Specific guidance on media design is provided in ISO 14915-3.