

**SLOVENSKI STANDARD
SIST EN ISO 9241-161:2026****01-marec-2026****Nadomešča:****SIST EN ISO 9241-161:2016**

Ergonomija medsebojnega vpliva človek-sistem - 161. del: Navodilo za vizualne elemente uporabniških vmesnikov (ISO 9241-161:2025)

Ergonomics of human-system interaction - Part 161: Guidance on visual user-interface elements (ISO 9241-161:2025)

Ergonomie der Mensch-System-Interaktion - Teil 161: Leitfaden zu visuellen User-Interface-Elementen (ISO 9241-161:2025)

Ergonomie de l'interaction homme-système - Partie 161: lignes directrices relatives aux éléments visuels de l'interface utilisateur (ISO 9241-161:2025)

Ta slovenski standard je istoveten z: EN ISO 9241-161:2025**ICS:**

13.180	Ergonomija	Ergonomics
35.180	Terminalska in druga periferna oprema IT	IT Terminal and other peripheral equipment

SIST EN ISO 9241-161:2026**en,fr,de**

Sample Document

get full document from standards.iteh.ai

EUROPEAN STANDARD

EN ISO 9241-161

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2025

ICS 35.180

Supersedes EN ISO 9241-161:2016

English Version

Ergonomics of human-system interaction - Part 161: Visual user-interface elements (ISO 9241-161:2025)

Ergonomie de l'interaction homme-système - Partie
161: Éléments visuels de l'interface utilisateur (ISO
9241-161:2025)

Ergonomie der Mensch-System-Interaktion - Teil 161:
Leitfaden zu visuellen User-Interface-Elementen (ISO
9241-161:2025)

This European Standard was approved by CEN on 14 December 2025.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

© 2025 CEN All rights of exploitation in any form and by any means reserved
worldwide for CEN national Members.

Ref. No. EN ISO 9241-161:2025 E

Contents	Page
European foreword.....	3

Sample Document

get full document from standards.iteh.ai

European foreword

This document (EN ISO 9241-161:2025) 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 June 2026, and conflicting national standards shall be withdrawn at the latest by June 2026.

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

This document supersedes EN ISO 9241-161:2016.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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

Endorsement notice

The text of ISO 9241-161:2025 has been approved by CEN as EN ISO 9241-161:2025 without any modification.

Sample Document

get full document from standards.iteh.ai



**International
Standard**

ISO 9241-161

**Ergonomics of human-system
interaction —**

**Part 161:
Visual user-interface elements**

Ergonomie de l'interaction homme-système —

Partie 161: Éléments visuels de l'interface utilisateur

**Second edition
2025-12**

Sample Document

get full document from standards.iteh.ai

ISO 9241-161:2025(en)

Sample Document

get full document from standards.iteh.ai



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

© ISO 2025 – All rights reserved

ISO 9241-161:2025(en)

Contents

	Page
Foreword	x
Introduction	xi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Accessibility	3
5 Compositions of visual user-interface elements	3
6 Relationship of input techniques and visual user-interface elements	4
7 States of visual user-interface elements	4
8 Describing visual user-interface elements	5
9 Visual user-interface elements	6
9.1 Accordion.....	6
9.1.1 Description.....	6
9.1.2 Components.....	6
9.1.3 States.....	7
9.1.4 When to use an accordion.....	7
9.1.5 How to use an accordion.....	8
9.2 Analogue form element or slider.....	8
9.2.1 Description.....	8
9.2.2 Components.....	8
9.2.3 States.....	8
9.2.4 When to use an analogue form element.....	8
9.2.5 How to use an analogue form element.....	9
9.3 Avatar.....	9
9.3.1 Description.....	9
9.3.2 Components.....	9
9.3.3 States.....	9
9.3.4 When to use an avatar.....	10
9.3.5 How to use an avatar.....	10
9.4 Badge.....	10
9.4.1 Description.....	10
9.4.2 Components.....	10
9.4.3 States.....	11
9.4.4 When to use a badge.....	11
9.4.5 How to use a badge.....	11
9.5 Breadcrumb.....	11
9.5.1 Description.....	11
9.5.2 Components.....	11
9.5.3 States.....	12
9.5.4 When to use a breadcrumb.....	12
9.5.5 How to use a breadcrumb.....	12
9.6 Button (push button, command button).....	12
9.6.1 Description.....	12
9.6.2 Components.....	13
9.6.3 States.....	13
9.6.4 When to use a button.....	13
9.6.5 How to use a button.....	13
9.7 Carousel and carrousel.....	13
9.7.1 Description.....	13
9.7.2 Components.....	14
9.7.3 States.....	14

ISO 9241-161:2025(en)

9.7.4	When to use a carousel.....	14
9.7.5	How to use a carousel.....	15
9.8	Check box.....	15
9.8.1	Description.....	15
9.8.2	Components.....	15
9.8.3	States.....	15
9.8.4	When to use a check box.....	16
9.8.5	How to use a check box.....	16
9.9	Collapsible container.....	16
9.9.1	Description.....	16
9.9.2	Components.....	16
9.9.3	States.....	17
9.9.4	When to use a collapsible container.....	17
9.9.5	How to use a collapsible container.....	17
9.10	Colour picker.....	17
9.10.1	Description.....	17
9.10.2	Components.....	18
9.10.3	States.....	18
9.10.4	When to use a colour picker.....	18
9.10.5	How to use a colour picker.....	18
9.11	Combination box (combo box).....	18
9.11.1	Description.....	18
9.11.2	Components.....	18
9.11.3	States.....	19
9.11.4	When to use a combination box.....	19
9.11.5	How to use a combination box.....	20
9.12	Cursor.....	20
9.12.1	Description.....	20
9.12.2	Components.....	20
9.12.3	States.....	20
9.12.4	When to use a cursor.....	20
9.12.5	How to use a cursor.....	20
9.13	Date picker.....	20
9.13.1	Description.....	20
9.13.2	Components.....	21
9.13.3	States.....	21
9.13.4	When to use a date picker.....	22
9.13.5	How to use a date picker.....	22
9.14	Dialogue box.....	22
9.14.1	Description.....	22
9.14.2	Components.....	22
9.14.3	States.....	23
9.14.4	When to use a dialogue box.....	23
9.14.5	How to use a dialogue box.....	23
9.15	Disclosure.....	23
9.15.1	Description.....	23
9.15.2	Components.....	23
9.15.3	States.....	24
9.15.4	When to use a disclosure.....	24
9.15.5	How to use a disclosure.....	24
9.16	Dropdown list box and select.....	24
9.16.1	Description.....	24
9.16.2	Components.....	24
9.16.3	States.....	25
9.16.4	When to use a dropdown list box.....	25
9.16.5	How to use a dropdown list box.....	26
9.17	Entry field, input field and text box.....	26
9.17.1	Description.....	26
9.17.2	Components.....	26

ISO 9241-161:2025(en)

9.17.3	States.....	26
9.17.4	When to use an entry field.....	26
9.17.5	How to use an entry field.....	26
9.18	Entry field with dialogue button.....	27
9.18.1	Description.....	27
9.18.2	Components.....	27
9.18.3	States.....	27
9.18.4	When to use an entry field with dialogue button.....	27
9.18.5	How to use an entry field with dialogue button.....	27
9.19	Geographical map.....	27
9.19.1	Description.....	27
9.19.2	Components.....	27
9.19.3	States.....	28
9.19.4	When to use a geographical map.....	28
9.19.5	How to use a geographical map.....	28
9.20	Group.....	28
9.20.1	Description.....	28
9.20.2	Components.....	29
9.20.3	States.....	29
9.20.4	When to use a group.....	29
9.20.5	How to use a group.....	29
9.21	Handle.....	30
9.21.1	Description.....	30
9.21.2	Components.....	30
9.21.3	States.....	30
9.21.4	When to use a handle.....	30
9.21.5	How to use a handle.....	30
9.22	Hierarchical list, tree view and tree list.....	31
9.22.1	Description.....	31
9.22.2	Components.....	31
9.22.3	States.....	31
9.22.4	When to use a hierarchical list.....	32
9.22.5	How to use a hierarchical list.....	32
9.23	Implicit designator.....	32
9.23.1	Description.....	32
9.23.2	Components.....	32
9.23.3	States.....	32
9.23.4	When to use an implicit designator.....	32
9.23.5	How to use an implicit designator.....	32
9.24	Instructive Information.....	33
9.24.1	Description.....	33
9.24.2	Components.....	33
9.24.3	States.....	33
9.24.4	When to use instructive information.....	33
9.24.5	How to use instructive information.....	33
9.25	Input tokenizer.....	34
9.25.1	Description.....	34
9.25.2	Components.....	34
9.25.3	States.....	34
9.25.4	When to use an input tokenizer.....	34
9.25.5	How to use an input tokenizer.....	35
9.26	Label.....	35
9.26.1	Description.....	35
9.26.2	Components.....	35
9.26.3	States.....	35
9.26.4	When to use a label.....	35
9.26.5	How to use a label.....	35
9.27	Legend and chart key.....	36
9.27.1	Description.....	36

ISO 9241-161:2025(en)

9.27.2	Components	36
9.27.3	States	36
9.27.4	When to use a legend	36
9.27.5	How to use a legend	36
9.28	Link and hyperlink	36
9.28.1	Description	36
9.28.2	Components	37
9.28.3	States	37
9.28.4	When to use a link	37
9.28.5	How to use a link	37
9.29	List box	38
9.29.1	Description	38
9.29.2	Components	38
9.29.3	States	38
9.29.4	When to use a list box	39
9.29.5	How to use a list box	39
9.30	List and menu button	39
9.30.1	Description	39
9.30.2	Components	39
9.30.3	States	40
9.30.4	When to use a list button	40
9.30.5	How to use a list button	40
9.31	Menu and menu bar	41
9.31.1	Description	41
9.31.2	Components	41
9.31.3	States	41
9.31.4	When to use a menu	42
9.31.5	How to use a menu	42
9.32	Meter	42
9.32.1	Description	42
9.32.2	Components	42
9.32.3	States	43
9.32.4	When to use a meter	43
9.32.5	How to use a meter	43
9.33	Output pane	43
9.33.1	Description	43
9.33.2	Components	43
9.33.3	States	44
9.33.4	When to use an output pane	44
9.33.5	How to use an output pane	44
9.34	Pointer	44
9.34.1	Description	44
9.34.2	Components	44
9.34.3	States	44
9.34.4	When to use a pointer	44
9.34.5	How to use a pointer	45
9.35	Pop-up menu and contextual menu	45
9.35.1	Description	45
9.35.2	Components	45
9.35.3	States	45
9.35.4	When to use a pop-up menu	46
9.35.5	How to use a pop-up menu	46
9.36	Progress indicator	46
9.36.1	Description	46
9.36.2	Components	46
9.36.3	States	46
9.36.4	When to use a progress indicator	46
9.36.5	How to use a progress indicator	46
9.37	Prompt	47

ISO 9241-161:2025(en)

9.37.1	Description	47
9.37.2	Components	47
9.37.3	States	47
9.37.4	When to use a prompt	47
9.37.5	How to use a prompt	47
9.38	Radio and option buttons	47
9.38.1	Description	47
9.38.2	Components	48
9.38.3	States	48
9.38.4	When to use a radio button	48
9.38.5	How to use a radio button	49
9.39	Read only field and protected field	49
9.39.1	Description	49
9.39.2	Components	49
9.39.3	States	49
9.39.4	When to use a read only field	49
9.39.5	How to use a read only field	50
9.40	Scroll bar	50
9.40.1	Description	50
9.40.2	Components	50
9.40.3	States	50
9.40.4	When to use a scroll bar	51
9.40.5	How to use a scroll bar	51
9.41	Scroll handle, elevator, scroll box and thumb	51
9.41.1	Description	51
9.41.2	Components	51
9.41.3	States	51
9.41.4	When to use scroll handle	51
9.41.5	How to use scroll handle	51
9.42	Selection cursor	52
9.42.1	Description	52
9.42.2	Components	52
9.42.3	States	52
9.42.4	When to use a selection cursor	52
9.42.5	How to use a selection cursor	52
9.43	Selection indication	52
9.43.1	Description	52
9.43.2	Components	53
9.43.3	States	53
9.43.4	When to use a selection indication	53
9.43.5	How to use a selection indication	53
9.44	Selection list and choice list	53
9.44.1	Description	53
9.44.2	Components	53
9.44.3	States	54
9.44.4	When to use a selection list	54
9.44.5	How to use a selection list	54
9.45	Status information	54
9.45.1	Description	54
9.45.2	Components	54
9.45.3	States	55
9.45.4	When to use status information	55
9.45.5	How to use status information	55
9.46	Stepper and spin button	55
9.46.1	Description	55
9.46.2	Components	55
9.46.3	States	56
9.46.4	When to use a stepper	56
9.46.5	How to use a stepper	56

ISO 9241-161:2025(en)

9.47	System message.....	56
	9.47.1 Description.....	56
	9.47.2 Components.....	56
	9.47.3 States.....	57
	9.47.4 When to use a system message.....	57
	9.47.5 How to use system message.....	57
9.48	Tab set.....	57
	9.48.1 Description.....	57
	9.48.2 Components.....	57
	9.48.3 States.....	58
	9.48.4 When to use a tab set.....	58
	9.48.5 How to use a tab set.....	58
9.49	Table.....	59
	9.49.1 Description.....	59
	9.49.2 Components.....	59
	9.49.3 States.....	59
	9.49.4 When to use a table.....	59
	9.49.5 How to use a table.....	60
9.50	Text field.....	60
	9.50.1 Description.....	60
	9.50.2 Components.....	60
	9.50.3 States.....	60
	9.50.4 When to use a text field.....	60
	9.50.5 How to use a text field.....	61
9.51	Time picker.....	61
	9.51.1 Description.....	61
	9.51.2 Components.....	61
	9.51.3 States.....	61
	9.51.4 When to use a time picker.....	62
	9.51.5 How to use a time picker.....	62
9.52	Title and heading.....	62
	9.52.1 Description.....	62
	9.52.2 Components.....	62
	9.52.3 States.....	62
	9.52.4 When to use a title.....	63
	9.52.5 How to use title.....	63
9.53	Toggle button and switch.....	63
	9.53.1 Description.....	63
	9.53.2 Components.....	63
	9.53.3 States.....	63
	9.53.4 When to use a toggle button.....	63
	9.53.5 How to use a toggle button.....	64
9.54	Tool bar.....	64
	9.54.1 Description.....	64
	9.54.2 Components.....	64
	9.54.3 States.....	64
	9.54.4 When to use a tool bar.....	64
	9.54.5 How to use a tool bar.....	65
9.55	Tool tip.....	65
	9.55.1 Description.....	65
	9.55.2 Components.....	65
	9.55.3 States.....	65
	9.55.4 When to use a tool tip.....	65
	9.55.5 How to use a tool tip.....	65
9.56	Window.....	66
	9.56.1 Description.....	66
	9.56.2 Components.....	66
	9.56.3 States.....	66
	9.56.4 When to use a window.....	66

ISO 9241-161:2025(en)

9.56.5 How to use window..... 66

Bibliography..... 67

Sample Document

get full document from standards.iteh.ai