International Standard

ISO/IEC 11581-7

First edition
2024-09

Information technology — User interface icons —

Part 7: Icons for setting interaction modes

Technologies de l'information — Icônes d'interface utilisateur — Partie 7: Icônes utilisées pour régler les modes d'interaction

Reference number
ISO/IEC 11581-7:2024(en)

© ISO/IEC 2024



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2024

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

Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Conformance **2**
5 Icons to indicate that accessibility is taken into account **2**
5.1 Accessibility icon 2
5.2 Icons for system generic optimizations 3
5.2.1 Generic icons 3
5.2.2 Common rules for generic icon design 3
5.2.3 Visual or audio perception optimizations 4
5.2.4 Manipulation or tactile optimization, or both 5
5.2.5 Understanding optimizations 6
5.2.6 Speech optimization 6
5.3 Icons for system preset usage modes and settings 7
5.3.1 Specific icons 7
5.3.2 Common rules for specific icon design 7
5.3.3 Specific icons for usage modes 7
5.3.4 Specific icons for system output settings (display, vibration and vocalization) 12
5.3.5 Specific icons for system input settings 14
5.3.6 Specific icons for specific content settings 16
5.3.7 Specific icons for communication modes 17
Bibliography **19**

© ISO/IEC 2024 – All rights reserved

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives or www.iec.ch/members_experts/refdocs).

ISO and IEC draw attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO and IEC take no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO and IEC had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents and https://patents.iec.ch. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html. In the IEC, see www.iec.ch/understanding-standards..

This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 35, *User interfaces*.

A list of all parts in the ISO/IEC 11581 series can be found on the ISO and IEC websites.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html and www.iec.ch/national-committees.

© ISO/IEC 2024 – All rights reserved

Introduction

Many different user needs exist and many interaction modes have to respond to those needs. There is a need to represent these interaction modes with icons. They can be used to indicate to a user which modes are available to access the system and even which kind of adapted parameters a user can find inside the system.

© ISO/IEC 2024 – All rights reserved

Information technology — User interface icons —

Part 7:
Icons for setting interaction modes

1 Scope

This document provides requirements for the icons that are suitable for setting up interaction modes in all kinds of devices. It gives guidance about their purpose, their function, and how they are designed in order to be usable.

This document specifies two sets of icons:

a) icons that deal with global constraints that are taken into account by the product or service;

b) icons that are oriented to more specific functions.

Each icon is illustrated through a glyph, name, description and function.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
accessibility
extent to which products, systems, services, environments and facilities can be used by people from a population with the widest range of characteristics and capabilities to achieve a specified goal in a specified context of use

Note 1 to entry: Context of use includes direct use or use supported by assistive technologies.

[SOURCE: ISO 9241-112:2017, 3.15]

3.2
icon
visual icon
user interface visual symbol representing either an object or a function, or both, of the computer system

Note 1 to entry: Within this part of ISO/IEC 11581, "icon" is also used to refer to the function or object represented by the user interface symbol. An icon, which is generally rendered using an identifiable user interface symbol, is much more than just a user interface symbol, it also includes functionality (either as the object it represents or as the function that it represents).

© ISO/IEC 2024 – All rights reserved