# INTERNATIONAL STANDARD

ISO/IEC 20071-5

First edition 2022-05

# Information technology — User interface component accessibility —

Part 5:

Accessible user interfaces for accessibility settings on information devices

Technologies de l'information — Accessibilité du composant interface utilisateur —

Partie 5: Interfaces utilisateur accessibles pour le paramétrage de l'accessibilité d'appareils informatiques



#### ISO/IEC 20071-5:2022(E)



### **COPYRIGHT PROTECTED DOCUMENT**

© ISO/IEC 2022

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

| Con          | tent  | ts  | Page     |  |  |  |
|--------------|---|---|----------|--|--|--|
| Forev        | word  |   | iv       |  |  |  |
| Intro        | ductio  | on  | <b>v</b> |  |  |  |
| 1            | Scop  | pe  | 1        |  |  |  |
| 2            | Nor   | mative references   | 1        |  |  |  |
| 3            | Teri  | ms and definitions  | 1        |  |  |  |
| 4            | Requirements and recommendations 4.1 Accessibility setting mode |   |          |  |  |  |
|              | 4.0   | 4.1.1 Contents and interface of the accessibility setting mode 4.1.2 Accessibility setting mode before login.   | 11       |  |  |  |
|              | 4.2   | Items of accessibility setting  | 13       |  |  |  |
|              | 4.3   | Shortcuts to access the accessibility features  4.3.1 General   | 22<br>22 |  |  |  |
|              | 4.4   | <ul><li>4.3.2 Shortcuts to access accessibility settings</li><li>4.3.3 Shortcuts to activate accessibility features or preset usage modes</li><li>Saving accessibility parameters</li></ul> | 23       |  |  |  |
| Anne         |   | nformative) Examples of shortcut keys and voice commands  |          |  |  |  |
| Bibliography |   |   |          |  |  |  |

#### 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 <a href="www.iso.org/directives">www.iso.org/directives</a> or <a href="www.iso.org/directives">www.iso.org/directives<

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see <a href="https://patents.iec.ch"><u>www.iso.org/patents</u></a>) or the IEC list of patent declarations received (see <a href="https://patents.iec.ch"><u>https://patents.iec.ch</u></a>).

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 <a href="https://www.iso.org/iso/foreword.html">www.iso.org/iso/foreword.html</a>. In the IEC, see <a href="https://www.iso.org/iso/foreword.html">www.iso.org/iso/foreword.html</a>. In the IEC, see <a href="https://www.iso.org/iso/foreword.html">www.iso.org/iso/foreword.html</a>.

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

A list of all parts in the ISO/IEC 20071 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 <a href="https://www.iso.org/members.html">www.iso.org/members.html</a> and <a href="https://www.iso.org/members.html">www.iso.org/members.html</a> and <a href="https://www.iso.org/members.html">www.iso.org/members.html</a> and

### Introduction

People with disabilities (e.g. visual, hearing, physical) can experience difficulties in accessing information and communications technology (ICT) devices. Accessible user interfaces, as described in this document, can help them to operate devices.

To effectively operate accessible user interfaces, users need to be able to adjust accessibility settings first. If this is not possible, some people will not be able to access these devices without help from another party.

This document makes information technologies more accessible by ensuring that people with disabilities can adjust accessibility settings by themselves.

# Information technology — User interface component accessibility —

## Part 5:

# Accessible user interfaces for accessibility settings on information devices

### 1 Scope

This document specifies requirements and recommendations for making accessibility settings accessible and usable. It provides guidance on specific accessibility settings, saving settings and modifying settings. It specifies how to access and operate the accessibility setting mode, and how to directly activate specific accessibility features.

This document applies to all operating system user interfaces on all types of information and communications technologies (ICTs) from the point where the operating system is fully functional and waiting for the user to interact with it.

This document does not apply to:

- storing and retrieving information from a stored user profile, including personally identifiable information;
- accessibility of the closed functionality that does not support access by assistive technology;
- accessibility of boot mode.

#### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 9241-171:2008, Ergonomics of human-system interaction — Part 171: Guidance on software accessibility