

American National Standard

INCITS/ISO/IEC 29136:2012[2012]

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*Information technology - User interfaces -
Accessibility of personal computer hardware*

Developed by



Where IT all begins



INCITS/ISO/IEC 29136:2012[2012]

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*Technologies de l'information — Interfaces utilisateur — Accessibilité
matérielle des ordinateurs personnels*

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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. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

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

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national 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 and IEC shall not be held responsible for identifying any or all such patent rights.

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Introduction

With the progress of the information society, personal computers have become a necessary tool for many people in their daily life. A wide range of people, regardless of their ages, physique, physical ability or disability, use personal computers throughout their life, i.e. at home, in school, in the workplace, and in public places. This International Standard provides guidance to improve information accessibility for older persons and persons with disabilities (including temporary disabilities) when they use personal computers.

The guidelines in this International Standard use the following approach.

- When planning, developing, designing, and distributing personal computers, this International Standard can be referenced to improve accessibility for older persons and persons with disabilities.
- If the required degree of accessibility cannot be provided by a default configuration of a personal computer, such accessibility might be attained by using the product in combination with additional software, optional equipment and/or assistive technology.

This International Standard elaborates on hardware-related guidance provided in ISO/IEC Guide 71:2001, *Guidelines for standards developers to address the needs of older persons and persons with disabilities*, ISO 9241-20:2008, *Ergonomics of human-system interaction — Part 20: Accessibility guidelines for information/communication technology (ICT) equipment and services*, and ISO/IEC TR 29138-1, *Information technology — Accessibility considerations for people with disabilities — Part 1: User needs summary*. The hardware guidance in this International Standard can be used in combination with ISO 9241-171:2008, *Ergonomics of human-system interaction — Part 171: Guidance on software accessibility*.