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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 18978.129-2026

**Ergonomics of human-system interaction - Part 129: Directives
on software individualization**

人-系统交互工效学 第129部分：软件个性化导则
(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is Part 129 of GB/T 18978. GB/T 18978 has the following parts published.

---Ergonomic Requirements for Using Visual Display Terminals (VDTs) in the Office - Part 1: Overview;

---Ergonomic Requirements for Using Visual Display Terminals (VDTs) in the Office, Part 2: Task Requirements Guidelines;

---Ergonomic Requirements for Using Visual Display Terminals (VDTs) in the Office - Part 10: The Principle of Dialogue;

---Ergonomic Requirements for Office Use with Visual Display Terminals (VDTs) Part 12: Information Presentation;

---Ergonomic Requirements for Using Visual Display Terminals (VDTs) in the Office - Part 13: User Guide;

---Ergonomic requirements for office use using visual display terminals (VDTs), Part 16: Direct operation dialogue;

---Human-System Interaction Ergonomics, Part 11: Usability. Definitions and Concepts;

---Human-System Interaction Ergonomics, Part 20: Ergonomic Approaches to Accessible Design;

---Human-System Interaction Ergonomics, Part 129: Guidelines for Software Personalization;

---Human-System Interaction Ergonomics, Part 143: Forms;

---Human-System Interaction Ergonomics, Part 151: A Guide to Internet User Interfaces;

---Human-System Interaction Ergonomics, Part 171: Guidelines for Accessible Software Design;

---Human-System Interaction Ergonomics, Part 210: Human-Centered Interactive System Design;

---Human-System Interaction Ergonomics Part 300: Overview of Electronic Vision Display Requirements;

---Human-System Interaction Ergonomics, Part 304: User Performance Testing Methods for Electronic Vision Displays;

---Human-System Interaction Ergonomics Part 307: Methods for Analysis and Conformity Testing of Electronic Vision Displays;

---Human-System Interaction Ergonomics, Part 400: Principles and Requirements of Physical Input Devices;

---Human-System Interaction Ergonomics Part 810: Robotics, Intelligence, and Autonomous Systems.

This document is modified to adopt ISO 9241-129:2010 "Human-system interaction ergonomics - Part 129: Software personalization guidelines".

The technical differences between this document and ISO 9241-129:2010, and the reasons therefor, are as follows.

---The reference to ISO/IEC 24786 in section 7.1 has been removed because ISO/IEC 24786 is obsolete.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Technical Committee on Ergonomics Standardization (SAC/TC7).

Introduction

GB/T 18978, the national standard series on ergonomics, corresponds to the ISO 9241 series of international standards. It initially consisted of 17 parts.

This series of standards specifies ergonomic requirements for office work using visual display terminals. During international standard review, the ISO 9241 series was...

It has undergone significant adjustments, expanding its scope and incorporating other relevant standards to make it easier to use. The general title of ISO 9241 is "Human-System Interaction Engineering".

"Ergonomics" reflects the adjusted changes, ISO 9241 and the International Organization for Standardization's Technical Committee on Ergonomics, Human-System Interaction Ergonomics Subcommittee the name and scope of the technical committee (ISO/TC159/SC4) remain consistent. The revised series of standards is numbered in the hundreds.

The 100 series focuses on software interfaces, the 200 series on human-centered design, the 300 series involves visual displays, and the 400 series involves physical input.

Equipment, etc. Other ISO 9241 series standards not included in the "Hundred" series will continue to use their old numbering, such as the equivalent ISO 9241-11.

The 2018 national standard still uses the number GB/T 18978.11. An overview of the GB/T 18978 series can be found in Appendix A.

Corresponding to the ISO 9241 series of standards, the GB/T 18978 "Hundred" series of standards is proposed to consist of the following series.

---Series 100. Software Ergonomics. Its purpose is to identify processes and methods related to software ergonomics.

---Series 200. Human-centered design. Its purpose is to establish human-centered design principles throughout the entire lifecycle of an interactive system.

Provide requirements and suggestions for the event.

---300 Series. Monitors and monitor-related hardware. The aim is to provide methods for the ergonomic design and evaluation of visual displays.

Laws, compliance measures and guidelines.

---400 Series. Physical Input Devices. The purpose is to provide ergonomic design guidelines, selection procedures, and testing methods for input and output devices.