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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 18978.300-2012

Ergonomics of human-system interaction -- Part 300: Introduction to electronic visual display requirements

人-系统交互工效学 第300部分：电子视觉显示要求概述

(English Translation)

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Foreword

Rules in this section in accordance with GB/T 1.1-2009 given draft.

GB/T 18978 "use of visual display terminals (VDTs) Ergonomic requirements for office" has been published in the following sections.

--- Part 1. General;

--- Part 2. Guide to mission requirements;

--- Part 10. Dialogue principles;

--- Part 11. Usability Guidelines;

--- Part 12. information presentation;

--- Part 13. User's Guide.

As part of the international standard of ISO 9241 GB/T 18978 corresponding adjusted and expanded standard name from "significant use of visual Display terminals (VDTs) Ergonomic requirements for office "with" human - system interaction Ergonomics ", in order to harmonize with the ISO 9241, GB/T 18978 standard name changed to "human - system interaction ergonomics", each part number and name of each part and also the latest ISO 9241 the number and name (see Appendix A) consistent.

GB/T 18978 "human - system interaction ergonomics" and "300" sub-series program includes the following sections.

--- Part 300. Requirements for electronic visual displays an overview;

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--- Part 302. Terminology for electronic visual displays;

--- Part 303. Requirements for electronic visual displays;

User performance test methods for electronic visual displays;. Part --- 304 Optical laboratory test methods for electronic visual displays;. --- Part 305

--- Part 306. Field assessment methods for electronic visual displays;

Analysis and compliance test methods for electronic visual displays;. Part --- 307

--- Part 308. Surface-conduction electron-emitter display (SED) [national standardization technical guidance documents];

--- Part 309. Organic light emitting diode (OLED) display [national standardization technical guidance documents].

This section is the first part of 300 GB/T 18978 in.

This section uses the translation method is equivalent to using ISO 9241-300:2008 "people - Ergonomics system interaction - Part 300. the electronic visual display Requirements Overview. " this part of the National Standardization Technical Committee learned Ergonomics (SAC/TC7) and focal points.

This section drafted by. China National Institute of Standardization, Shenzhen City, measuring Detection Technology Co., Ltd., CQM Group, Dongguan Golden Industry Co., Ltd., Beijing University of Posts and Telecommunications, Shanghai Intertek Testing Technology Co., Ltd.

1 Scope

This section GB/T 18978 a brief description of the GB/T 18978 "300" sub-series of the other part, and this explains the daughter Column standard modular structure. GB/T 18978 "300" sub-series of criteria to determine the electronic visual display Ergonomic design requirements. These requirements as a performance specification for electronic visual displays, designed to ensure that normal vision or corrected vision has an effective and comfortable visual conditions, it provides for the design and evaluation of test methods and measurement methods and measuring conformance guidelines.

GB/T 18978 the "300" sub-series of standards applicable to electronic visual variety of work environments under a variety of tasks displayed Ergonomic design.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated edition applies to this article Member. For undated references, the latest edition (including any amendments) applies to this document.

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ISO 9241-302 human - system interaction Ergonomics Part 302. Terminology for electronic visual displays (Ergonomicsofhuman-systeminteraction-Part 302. Terminologyforelectronicvisualdisplays) ISO 9241-303 human - system interaction Ergonomics Part 303. Requirements for electronic visual displays (Ergonomicsofhuman-systeminteraction-Part 303. Requirementsforelectronicvisualdisplays) ISO 9241-304 human - system interaction Ergonomics 304. Electronic visual display user performance test methods (Ergonomics ofhuman-systeminteraction-Part 304. Userperformancetestmethodsforelectronicvisualdisplays) ISO 9241-305 human - system interaction Ergonomics Part 305. Optical laboratory test methods for electronic visual displays (Ergonomicsofhuman-systeminteraction-Part 305. Opticallaboratorytestmethodsforelectronic visualdisplays) ISO 9241-306 human - system interaction Ergonomics 306. Electronic visual display field evaluation method (Ergonomicsof human-systeminteraction-Part 306. Fieldassessmentmethodsforelectronicvisualdisplays) ISO 9241-307 human - system interaction - Part 307 Ergonomics. electronic visual analysis and compliance test methods for display (Ergonomicsofhuman-systeminteraction-Part 307. Analysisandcompliancetestmethodsfor electronicvisualdisplays)

3 Terms and definitions

ISO 9241-302 the terms and definitions apply to this document.

4 Consistency

Consistency should use appropriate means of compliance ISO 9241-307 specified, taking into account ISO 9241-304, ISO 9241-305, relevant test methods specified in ISO 9241-306. If you can not establish a method of compliance, the relevant design issues, ISO 9241-303 should use as ISO 9241-304, ISO 9241-305 or ISO 9241-306 design guidelines.

GB/T 18978.300-2012/ISO 9241-300:2008

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