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

GB/T 18978.307-2015

**Ergonomics of human-system interaction -- Part 307: Analysis
and compliance test methods for electronic visual displays**

人-系统交互工效学 第307部分：电子视觉显示器的分析和符合性试验方法
(English Translation)

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References

Foreword

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.

Since the GB/T 18978 corresponding to the international standards ISO 9241 has been adjusted and expanded standard name is displayed by the "use of visual terminal (VDTs) Ergonomic requirements for office "with" human - system interaction Ergonomics ", in order to harmonize with the ISO 9241, GB/T 18978 standard Quasi name to "human - system interaction ergonomics", section numbers and names also will work with some of the latest ISO 9241 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;
- Part 302. Terminology for electronic visual displays;
- Part 303. Requirements for electronic visual displays;

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

- Section 306. Electronic visual display field evaluation method;

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

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

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

GB/T 18978 "human - system interaction ergonomics" and "300" sub-series has been released GB/T 18978 Part 300. Electronic depends Overview display sleep requirement.

This part of GB/T 18978 Part 307.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method identical with ISO 9241-307:2008 "human - system interaction - Part 307 Ergonomics. electronic visual display the analysis and compliance test methods. " Consistency correspondence between this part of international documents and normative references of our files are as follows.

--- GB/T 18978.300-2012 human - system interaction Ergonomics Part 300. Requirements for electronic visual displays an overview (ISO 9241-300:2008, IDT) this part of the National Standardization Technical Committee learned Ergonomics (SAC/TC7) and focal points.

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1 Scope

GB/T 18978 provisions of this section a variety of visual display technology, analysis and compliance test methods for tasks, and the use of environmental display.

This part of ISO 9241-305 predetermined measurement procedures and basic requirements of ISO 9241-303 provisions apply to different display together Expected technology usage scenarios provide compliance testing process.

2 Normative references

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

ISO 9241-300 human - system interaction Ergonomics Part 300. Requirements for electronic visual displays Overview (Ergonomicsofhuman-systeminteraction-Part 300. Introductiontoelectronicvisualsegmentrequirements) ISO 9241-302 human - system interaction Ergonomics Part 302. Terminology for electronic visual displays (Ergonomicsofhuman-systeminteraction-Part 302. Terminologyforelectronicvisualsegments) ISO 9241-303 human - system interaction Ergonomics Part 303. Requirements for electronic visual displays (Ergonomicsofhuman-systeminteraction-Part 303. Requirementsforelectronicvisualsegments) ISO 9241-305 Man - Part 305 system interaction ergonomics. the electronic visual displays Optical laboratory test methods (Ergo-nomicsofhuman-systeminteraction-Part 305. Opticallaboratorytestmethodsforelectronicvisualsegments) ISO/IEC 17025 General requirements for testing and calibration laboratories

(General requirements for the competence of testing and calibration laboratories)

3 Terms and Definitions

Terms and definitions ISO 9241-302 defined apply to this document.

4 Guiding Principles

Human - system interaction system of conformity assessment procedures and methods require that its framework should be able to resolve the situation with regard to the intended use of the relevant Physical technical problems.

This section will be specified in ISO 9241-303 Ergonomics requirements and ISO 9241-304, ISO 9241-305, ISO 9241-306 Measuring method prescribed together.

Therefore, the provisions of Section 5 of compliance testing include the following conformity assessment content.

- ISO 9241-303 requirements (properties);
- Based on eligibility requirements and the intended use of these situational/fail criteria;
- Measurement methods;
- Assessment and reporting.

Appendix C provides a common information framework for compliance testing.