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

GB/T 18978.143-2018

Ergonomics of human-system interaction -- Part 143: Forms

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Foreword

GB/T 18978 has released the following part 1).

- Part 1. Overview;
- Part 2. Mission Requirements Guide;
- Part 10. Dialogue principles;
- Part 11. Usability Guidelines;
- Part 12. Information presentation;
- Part 13. User Guide;
- Part 16. Direct operation dialogue;
- Part 143. Forms;
- Part 151. Internet User Interface Guide;
- Part 300. Overview of electronic visual display requirements;
- Part 307. Analysis and conformity test methods for electronic visual displays.

This part is part 143 of GB/T 18978.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This section uses the translation method equivalent to ISO 9241-143:2012 "Human-System Interaction Ergonomics Part 143. Forms".

The documents of our country that have a consistent correspondence with the international documents referenced in this part are as follows.

---GB/T 18978.16-2018 Ergonomic requirements for the use of visual display terminals (VDTs) - Part 16. Straight

Operational dialogue (ISO 9241-16.1999, IDT)

This section has made the following editorial changes.

--- In the scope, removed the scope of the ISO 9241-143.2012 "Note. Some of the requirements and recommendations in this section are based on the West

Language habits, for other languages, in order to achieve readability and/or for text input considerations, some of the requirements and construction

The discussion may need to be revised."

This part is proposed and managed by the National Human Ergonomics Standardization Technical Committee (SAC/TC7).

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Introduction

This section focuses on the ergonomic design of the form.

Forms also include dialog boxes for data entry tasks that require input or modification of multiple data items. Forms can be used in a variety of situations

Use below.

--- Fill out the form, such as filling out income tax returns, registration forms (schools, motor vehicles) and service orders;

--- Fill in the information received by phone;

--- Populate data when interacting with applications, such as database updates, consumer profiles, and e-commerce transactions;

---Set application options and parameters (complex data retrieval request, personalization, system settings, etc.);

--- Respond to adjustment requests for system information (for example, using dialog boxes).

The content and complexity of different forms will vary, and its complexity may range from simple one field to multiple records.

Complex data input. Forms are usually based on visual spatial metaphors, but can also be implemented in other forms (for example, when making a call)

Voice user interface).

Users of the form can fill in form fields, select input or modify data, and/or use forms to retrieve information from the system.

The target users of this section are as follows.

- a) User interface designers can be applied during the development process;
- b) a form designer who uses the printed form as a source file;
- c) The purchaser can refer to the product procurement process;
- d) an evaluator responsible for ensuring that the product meets its requirements and recommendations;
- e) designers who design development tools for interface designers;
- f) End users can also benefit from the potential benefits provided in this section.

This section provides requirements and recommendations related to forms, some of which are related to the use context of the form, such as specific

Type user, task, environment, or technology.

Designers can use this section to determine if the interface they are developing meets the requirements and recommendations, and the buyer

And the evaluator can have a way to determine the extent to which the product matches these applicable requirements and recommendations. The requirements and recommendations given in this section do not have to

All are used, just use the relevant chapters. Appendix B gives an example of assessing the applicability and compliance of requirements and recommendations.

Process.

The intended use of this section is to improve the overall quality of the form, but this section (similar to other standards) does not guarantee the boundary.

The quality of the face. The quality of the interface depends on the specific usability criteria set by the user, the purchaser, or other form users. These guidelines

It is possible to include specifications from this section.

This section gives the principles of dialogue related to form design. These principles provide additional ergonomics for designers and evaluators

Principles, this information is relevant to the various recommendations given in this section, thus helping designers and evaluators make trade-offs. But based on other considerations

It is often necessary to make tradeoffs.

Human-system interaction ergonomics Part 143. Forms

1 Scope

This part of GB/T 18978 gives the requirements and recommendations for the design and evaluation form, which the user can present in the "form" of the system or

Fill in the dialog box, select input or modify the label field. The system will create or update data related to the form. Formal

The input is mainly by typing (abbreviation or full name), and the user can also select from the list of available options.

This section applies to a variety of forms, regardless of their modality (visual, spatial, and phonological). But most of this part

The guides are based on visual and spatial relationship patterns.

This section specifies how to use non-text methods when entering forms (for example, list boxes), as well as dialogs based on form technology.

frame. This section gives guidelines for selecting and designing user interface elements related to forms.

This section contains a list of input form data, but a menu design similar to the list is outside the scope of this section.

ISO 9241-14. This section also does not apply to hardware related to forms.

The requirements and recommendations in this section apply to the entire development process and procurement process of the form. For example, as a guide for designers, as a guide

Guidelines for the basis of hair-based assessment and usability testing.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 18978.12-2009 Ergonomic requirements for the use of visual display terminals (VDTs) - Part 12. Information presentation

Present (ISO 9241-12.1998, IDT)

ISO 9241-16 Ergonomic requirements for the use of visual display terminals (VDTs) - Part 16. Direct operational dialogue [Er-

Gonomic requirements for office work with visual display terminals (VDTs) - Part 16. Direct manipu-