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

**GB/T 29863-2023**

Replacing GB/T 29863-2013

**Garment pattern drawing**

服装制图

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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 replaces GB/T 29863-2013 "Garment Drawing". Compared with GB/T 29863-2013, except for structural adjustments and editorial changes, In addition, the main technical changes are as follows:

- a) Changed the requirements for drawing scale (see 4.2, 3.4 of the 2013 version);
- b) Changed the legend of graphs and drawing methods, added the graph uses of "thick dotted line" and "thin dotted line", "dash-dotted line" and "dash-dotted line" Merged into dotted and dashed lines, deleted double dotted and dashed lines, changed the requirements for line width (see 4.4, 3.5 of the 2013 version);
- c) Added requirements for labeling units (see 5.1.2);
- d) The basic rules for marking dimension values and drawing marking content have been changed, and illustrations have been deleted (see 5.1.4, 5.1.5, 2013 version) 4.1, 4.2.2, Figure 7);
- e) Changed the "straight distance" and "horizontal distance" labeling methods to "linear labeling", changed the "slant distance" to "polyline labeling", and changed Corresponding legend (see 5.2, 5.4, 2013 version 4.2.3, 4.3);
- f) Added "arc dimension", "equal division dimension" and "angle dimension" labeling rules and corresponding legends (see 5.3, 5.5, 5.6);

g) The "special seam placement", "forward" and "strip installation position" drawing symbols are deleted (see Table 4 of the 2013 version);

h) Changed the "overlap", "one-way fold", "inverted fold", "meridian", "stop", "open dart", "folded dart", "separate dart" and "The symbol forms of the drafting symbols of "stop", "gather", "pull apart", "stretch", "shrink", "flat buttonhole" and "button" (see Table 3, 2013 edition Table 3);

i) Changed "condensation" to "shirring", and changed the symbol form and description (see Table 3, 2013 version of Table 3);

j) Changed the names of the "equivalent sign", "open dart", "folded dart", "separated dart" and "counterpoint mark" drafting symbols (see Table 3, 2013 Table 3 of the annual edition);

## 1 Scope

China's national standard for garment pattern drawing. It specifies the drawing scale, the line types and their uses, the dimensioning and the marking conventions used in the technical drawings from which garments are made. A garment pattern is an engineering drawing, and the industry that uses it treats it as one. A designer produces a specification, a pattern maker turns it into a set of pattern pieces with their seam allowances, notches, grain lines and internal construction marks, a grader produces the same pieces in every size, and a factory - frequently in another country, working from a file - cuts and sews from them. Everything in that chain depends on the drawing meaning the same thing to everyone who reads it. A line that one house uses for a fold line and another for a stitching line produces a garment made wrong, and the error is discovered on finished goods. So the standard fixes the conventions: the scale, the line types and widths and what each signifies, the units, the dimensioning rules, and the way particular features are marked. The 2023 revision is a working revision of exactly those conventions. It changes the drawing scale requirements and the line legend - adding uses for thick and thin dotted lines, merging the dash-dotted variants and deleting the double dash-dotted line, and revising the line widths. It adds a requirement to label the units, revises the basic rules for marking dimension values, and renames the dimensioning types: straight distance and horizontal distance become linear dimensioning, slant distance becomes polyline dimensioning, and arc dimensions and equal-division dimensions are added. Those changes look editorial and are not: a line type deleted from the standard is a line type that must no longer appear on a drawing. Issued on 6 August 2023 and in force since 1 March 2024, it replaces GB/T 29863-2013.

This document specifies the requirements for garment drawing, sizing rules and garment drawing symbols. This document is applicable to clothing drawing in the process of clothing design, production, technology, teaching and trade.

### 1.10 Magnification ratio 1.5.1 2.1

4.2.2 Drawings on the same drawing should use the same scale, and the scale should be filled in the title block; when using different scales, each zero should be The proportion is marked on the upper left corner of the component, such as. 1.1, 1.2, etc.

4.2.3 The proportions of clothing style drawings are not restricted by the above regulations.

## 2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document.

GB/T 10609.3 Folding method of technical drawing reproduction drawings

GB/T 14689 Technical drawing drawing format and format

GB/T 14691 Technical drawing fonts

GB/T 15557 Clothing terminology

GB/T 16160 Dimension definitions and methods for human body measurement for clothing

## 3 Terms and definitions

The terms and definitions defined in GB/T 15557 apply to this document.

## 4 Requirements

4.1 Basic requirements Drawings should comply with the provisions of GB/T 10609.3, GB/T 14689 and GB/T 14691.

### 4.2 Cartographic scale

4.2.1 The mapping scale classification should comply with the provisions of Table 1. Table