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**TEXTILE INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

FZ/T 80015-2022

**Specification for garment CAD technology
(English Translation)**

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Foreword

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

This document replaces FZ/T 80015-2012 "Technical Specifications for Garment CAD". Compared with FZ/T 80015-2012, except for editorial changes in addition, the main technical changes are as follows.

a) Modified the scope of application of the document (see Chapter 1, Chapter 1 of the 2012 edition);

b) The definition of "garment CAD drawing", "garment CAD grading" and "garment CAD layout" has been modified, and the "garment CAD cutting piece" has been deleted.

- Revise "CAD Drawing of Clothing" and supplement the terms and definitions of "sample" (see Chapter 3, Chapter 3 of the 2012 edition);

c) Added system requirements (see 4.1);

d) Modify and supplement the plate making function, grading function and nesting function (see 4.2, 4.3 and 4.4, 4.1, 4.2 and 4.4 of the 2012 edition);

e) Supplemented the requirements for CAD drawing files in input/output (see 4.5.1, 4.4.1 of the 2012 edition);

f) Added the requirements for the format of the output cutting bed file (see 4.5.2);

g) Added general rules for drawing (see 5.1);

h) The type requirements for the outer V-notch, II-type notch, outer BOX-shaped notch and U-shaped notch are added (see 5.2);

i) The type requirements for stealing corners and seven-character corners are added (see 5.8);

j) Adjusted the structure of Chapter 6, and updated the standard number according to the update of the standard (see Chapter 6, Chapter 6 of the 2012 edition);

k) Update the standard number according to the update of the standard (see Chapter 7, Chapter 7 of the 2012 edition).

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

1 Scope

This document specifies the terms and definitions, functional requirements, drafting rules, software testing requirements, quality requirements, and product requirements for apparel CAD software.

Data technical requirements and product documentation management and archiving requirements.

This document is applicable to the application of CAD technology in garment CAD software development and product design.

2 Normative references

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

GB/T 8566-2007 Information Technology Software Life Cycle Process GB/T 9386 Computer software testing documentation specification GB/T 15532 Computer Software Testing Specification GB/T 15557 Garment Terminology GB/T 17304 CAD general technical specification GB/T 17678 (all parts) CD-ROM storage, filing and file management requirements for CAD electronic files GB/T 17679 Consistency Test for CD-ROM Storage and Archiving of CAD Electronic Files GB/T 17825 (all parts) CAD file management GB/T 18905.6 Software Engineering Product Evaluation Part 6: Documentation of Evaluation Module GB/Z 18914 Guidelines for the adoption of CASE tools for information technology software engineering GB/T 20917 Software Engineering Software Measurement Process GB/T 25000.1 System and software engineering System and software quality requirements and evaluation (SQuaRE) Part 1: SQuaRE guide GB/T 25000.10 System and software engineering System and software quality requirements and evaluation (SQuaRE) Part 10: System and software Software Quality Model GB/T 25000.22 System and software engineering System and software quality requirements and evaluation (SQuaRE) Part 22: Quality in use Quantity measurement GB/T 25000.23 System and software engineering System and software quality requirements and evaluation (SQuaRE) Part 23: System and software Software Product Quality Measurement GB/T 25000.40 System and software engineering System and software quality requirements and evaluation (SQuaRE) Part 40:

Evaluation process GB/T 25000.41 System and software engineering System and software quality requirements and evaluation (SQuaRE) Part 41: Developer, Evaluation Guidelines for Demanders and Independent Evaluators GB/T 29863 Garment Drawing FZ/T 80011 (all parts) Garment CAD Electronic Data Interchange Format