

ICS 21.020
CCS A 40



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

GB 10091.1-1988

Replacing GB/T 10091.1-1995

**Tabular layouts of article characteristic - Part 1: Definitions and
principles**
(English Translation)

Issued on: October 31, 2025

Implemented on: May 1, 2026

Issued by: State Administration for Market Regulation

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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 is Part 1 of GB/T 10091, "Tables of Characteristics of Things". GB/T 10091 has already published the following parts.

---Part 1: Definitions and Principles.

This document replaces GB/T 10091.1-1995 "Definitions and Principles of Tables of Characteristics of Things". Compared with GB/T 10091.1-1995, except for the conclusion...

Aside from structural adjustments and editorial changes, the main technical changes are as follows.

a) Added the terms "characteristic identifier", "characteristic value", "characteristic table", "image", "image identifier", "preferred symbol", "characteristic block", and "characteristic".

"Allocation" and its definition (see 3.5, 3.6, 3.8, 3.9, 3.10, 3.11, 3.12, 3.13);

b) The definitions of "Attributes," "Thing Attributes," "Related Attributes," "Attribute Codes," and "Object Groups" have been changed (see 3.1, 3.2, 3.3, 3.7, and 3.8).

(Sections 3.1, 3.1.1, 3.1.2, 3.2, and 3.6 of the 1995 edition)

c) The terms and definitions for "Table of Item Characteristics," "List of Item Characteristics," "Figure," and "Figure Number" have been deleted (see sections 3.4, 3.5, and 3.7 of the 1995 edition).

d) Added "Usage of Terminology" (see Chapter 4);

e) The following sections have been removed. "Information System for Transaction Characteristics," "Principles," "Description of Object Groups Associated with Images," and "Introduction of Transaction Characteristics Tables into the Standard." Five chapters and their contents, including "Revisions to the Original GB/T 10091 Series Standards" (see Chapters 4, 5, and 8 of the 1995 edition), are also included.

Chapters 9 and 10);

f) Change "Structure and Composition of Item Characteristic Table" to "Structure and Design of Item Characteristic Table", and modify the corresponding content (see section 5).

Chapter 6 (1995 edition);

g) The phrase "Example of the composition of the characteristic table of objects" has been changed to "Composition of the characteristic table of images objects," and the corresponding content has been modified (see Chapter 6).

Chapter 7 of the 1995 edition.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China Machinery Industry Federation.

This document is under the jurisdiction of the National Technical Committee on Standardization of Automation Systems and Integration (SAC/TC159).

Introduction

The Item Characteristic Table Standard is used to describe the characteristics of parts (including products, equipment, and non-material concepts) in order to build a database.

Plain text (ASCII) computer files. They define the decisive characteristics that characterize and distinguish objects from a group of objects, and also specify...

The format for representing characteristic data enables the exchange of part characteristic data between different systems; therefore, it is the data foundation for building a database.

GB/T 10091 "Table of Characteristics of Things" is proposed to be divided into the following parts.

---Part 1: Definitions and Principles. The purpose is to define the use of terminology in a table of characteristics, the structure and design of such tables, and the use of images.

Requirements related to the composition of the characteristic table of things.

Table of Item Characteristics

Part 1: Definitions and Principles

1 Scope

This document specifies the usage of terminology for the property characteristic table, the structure and design of the property characteristic table, and the composition of the image property characteristic table, among other related requirements.

This document applies to Computer-Aided Design (CAD), Computer-Aided Manufacturing (CAM), and enterprise management support, and is also applicable to other systems.

Information retrieval and processing.

2 Normative references

This document has no normative references.

3 Terms and Definitions

The following terms and definitions apply to this document.

characteristic

Attributes used to describe and distinguish objects.

Examples. "diameter", "length", "material".

A well-defined characteristic used to describe the differentiation of objects in a specific

product category.

Examples. "Minimum cutting diameter", "Total length", "Mounting diameter", "Mass", "Color".

Properties used to describe the relationship between an object and its environment.

Examples. "Related Costs", "Application Scope", "Order Quantity".

Characteristic code

A certain number of characters used for layout features.

Examples. "A12", "A820", "B4", "D5".

A unique identifier consisting of a standard number and a characteristic code, used only to identify characteristics in a series of standards for a thing's characteristic table.

Example. The characteristic code symbol consisting of the standard number GB/T 10091.1-202x and the A12 characteristic code is "GB/T 10091.1-202x-A12".

characteristic value Data used to describe a specific characteristic of a product or process.

Example. Values with units, such as "9.385" or attribute data, such as "Correct".