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

GB/T 10091.1-2025

Replacing GB/T 10091.1-1995

**Tabular layouts of article characteristic - Part 1: Definitions and
principles**

事物特性表 第1部分：定义和原理

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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.

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). 3.8);

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). This document was drafted by: China National Institute of Standardization, Wuxi Lead Intelligent Equipment Co., Ltd., and Harbin Turbine Works Co., Ltd. The company, Shandong New Generation Standardization Research Institute Co., Ltd., Hebei University of Engineering, Shenzhen Zuantong Engineering Machinery Co., Ltd., and Beijing Riyang. Hongchuang Intelligent Equipment Co., Ltd., and Chengdu Mindray Medical Systems Engineering Technology Co., Ltd. The main drafters of this document are. Gao Liang, Ding Xiaolong, Liu Shouhua, Yue Gaofeng, Cui Dongliang, Du Jiguang, Xu Kaicheng, Yang Qinghai, Yang Yang, and Zhang Tingting. Zhu Benxing, Gan Keqin, Fang Mingzhe, Wan Li, Liu Hengyu, Wang Peng, Wang Hongsheng, Wang Junya, Yin Shurui, Wang Shumin, Wen Na, Zhang Ying, Xiao Baokun. The release history of this document and the document it replaces is as follows:

---First published in 1988 as GB/T 10091.1-1988, and revised for the first time in.1995;

---This is the second revision.

1 Scope

GB/T 10091.1-2025 is the Chinese national standard on tabular layouts of article characteristic - part 1: definitions and principles, in the field of mechanical systems and components. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 October 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 May 2026. Classification: ICS 21.020, CCS A40. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

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.

3.1 characteristic Attributes used to describe and distinguish objects. Examples. "diameter", "length", "material".

3.2 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".

3.3 Properties used to describe the relationship between an object and its environment. Examples. "Related Costs", "Application Scope", "Order Quantity".

3.4 Characteristic code A certain number of characters used for layout features. Examples. "A12", "A820", "B4", "D5".

3.5 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".

3.6 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".

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