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**Information technology - Big data - Guidelines of data
governance implementation**

信息技术 大数据 数据治理实施指南

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

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Zhiguang, Lü Jiangnan, Tao Ping, Wang Ling, Shouyang, Jin Ronghua, Li Bing, Pang Hui, Huang Haifeng, Yu Kai, Sun Lijuan, Xiao Rang, Zhang Yanning, Wang Peng, Liu Ting, Liu Chuanjie, Xiang Wei, Shi Guihua, Hu Peng, Fu Yan, Zhou Junlin, Tong Yao, Zhang Haotian, Weng Jian, Xia Zhihua, Lin Pengcheng, Guo Ning, Huang Mingfeng, Liu Jun, Yang Yuanyuan, Tian Yanxiang, Huang Yong, Lü Liang, Li Yonglu, E Mei, Yan Yuping, Huang Dehui, Li Zhiyu, Li Rui, Xiao Zheng, Yao Wei, Yang Xu, Zhang Liming, Wang Yujing, Wang Chengliang, Wang Wei, Liu Zhen, Yang Weiwei, and Guo Linyuan.

At present, the main data governance standards are.

---GB/T 34960.5-2018 Information technology service governance Part

5.Data governance specification;

---GB/T 36073-2018 Data management capability maturity assessment model. As one of the data governance standards, this document mainly draws on GB/T 34960.5-2018 for data governance implementation during its development. The data governance process in the data governance process includes four processes. planning, execution, evaluation and improvement, and further clarifies the implementation activities and content of each process. The governance activities carried out during the implementation process mainly draw on the capability domains in GB/T 36073-2018, further clarifying the various The implementation process and content of capability domains. The correspondence between the data governance implementation process is shown in Table 1. Table

1 Data governance implementation process correspondence table GB/T 34960.5-2018
GB/T 36073-2018 This document Coordination and planning Build and Run Data Strategy
Data Governance Data Architecture Data Standards Data quality Data Application Data
Security Data life cycle Current situation investigation and analysis confirm target Clarify
governance content Determine the implementation route Establishing a governance
organization Formulate institutional norms Conducting governance activities. Data
architecture design Conducting governance activities. Metadata management Conduct
governance activities. Data standards management Conduct governance activities. Data
quality management Conduct governance activities. Master data management Conduct
governance activities. Data application Conduct governance activities. Data security
management Conduct governance activities. Data life cycle management planning
implement Monitoring and evaluation - Clarify the evaluation objectives and scope - Design
indicator system - Evaluate governance performance evaluate Improvements and
Optimizations - Perform differential analysis - Develop improvement plans - Execute
improvement activities Improve Information Technology Big Data Data Governance
Implementation Guide

1 Scope

GB/T 44109-2024 is the Chinese implementation guide for data governance. Governance

frameworks are easy to write and hard to land: the organisation already has the data, already has owners of a sort, and what it lacks is a sequence of steps that turns a policy document into metadata that is actually maintained and standards that are actually applied. The standard sets the implementation process and then works through it. Planning covers the survey and analysis of the current situation, the setting of objectives, the definition of the governance content and the choice of implementation route. Execution covers the establishment of the governance organisation, the drafting of the rules and specifications, and the governance activities themselves - data architecture design, metadata management, data standard management, data quality, data security, data lifecycle and data sharing - followed by the checking and improvement of the result. It took effect on 1 December 2024.

This document provides a process guide for implementing data governance in a big data environment, including four processes: planning, execution, evaluation, and improvement. Related activities and content. This document is intended to guide organizations in implementing data governance.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 35295-2017 Information Technology Big Data Terminology

3 Terms and definitions

The terms and definitions defined in GB/T 35295-2017 and the following apply to this document.

3.1 Data Governance The set of activities (planning, monitoring and enforcement) that exercise authority and control over the management of data resources.

3.2 Data Management A collection of activities such as data resource acquisition, control, and value enhancement. [Source: GB/T 34960.5-2018, 3.2]

3.3 metadata Data about data or data elements (which may include their data descriptions), and information about data ownership, access paths, access rights and data According to the volatile data. [Source: GB/T 34960.5-2018, 3.6]

3.4 metamodel A data model that specifies one or more other data models. [Source: GB/T 36073-2018, 3.9]

3.5 Data life cycle data lifecycle The process of evolution of various forms of data