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GB/T 46844-2025

Asset management - Digitalization maturity model

资产管理 数字化成熟度模型

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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. 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 and is under the jurisdiction of the National Technical Committee on Standardization of Asset Management (SAC/TC583). This document was drafted by: China National Institute of Standardization, Hubei Provincial Institute of Standardization and Quality, State Power Investment Corporation Nuclear Energy Co., Ltd., and Nanjing Municipal Special Equipment Factory. Equipment Safety Supervision and Inspection Institute, China Southern Power Grid Digital Platform Technology (Guangdong) Co., Ltd., Changzhou Metro Group Co., Ltd., China Southern Power Netcom Energy Storage Co., Ltd., Digital China Group Co., Ltd., Lightspeed China Partners (Beijing) Co., Ltd., China Jiliang University, Huaqin Group Technology Co., Ltd., Shenzhen Runpeng Huatong Innovation Technology Co., Ltd., Zhejiang Sanfeng Industrial Co., Ltd., Beijing Puluo Digital Technology Co., Ltd. Technology Limited Liability Company, China Electronics Jinxin Digital Technology Group Co., Ltd., Hunan Shengding Technology Development Co., Ltd., Peking University, China Tower Corporation Hubei Branch and Hangzhou Hanzheng Standard Technical Service Co., Ltd. The main drafters of this document are. Wang Shuang, Liu Xingheng, Ding Shuqing, Cheng

Yue, Wu Fang, Ding Fan, Shang Chao, Gao Ang, Tang Kai, Zhang Ying, and Zhang Shenru. Xu Kaicheng, Tu Guilin, Wu Hao, Qiu Junjiang, Mao Haijun, Liu Yuwei, Yu Junzhi, Zhong Jianxu, Li Yingnan, Wang Peng, Zhang Xiaosong, Xi Lingzhi, Qian Xuetao Ying Xinsen, Du Xiaozheng, Wan Li, Wang Huacai, Lin Yun, Xiang Xuexin, Min Shan. Asset Management Digitalization Maturity Model

1 Scope

GB/T 46844-2025 is the Chinese national standard covering the levels an organisation passes through in managing its assets digitally - from paper and spreadsheets to a live register, to condition monitoring, to prediction, with the evidence required to claim each. First edition, with the reference architecture GB/T 46841-2025. It was issued on 2 December 2025 and has been in force since 2 December 2025, as a first edition. The document is under the responsibility of the Standardization Administration of China. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the model structure, maturity levels, and maturity requirements for digital asset management maturity, and provides... Maturity assessment form. This document is applicable to stakeholders and third parties involved in asset management digitization activities for identifying and assessing the maturity of asset management digitization.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 33172 Overview, Principles and Terminology of Asset Management

GB/T 33173 Asset Management System Requirements

GB/T 46841 Digital Reference Architecture for Asset Management

3 Terms and Definitions

The terms and definitions defined in GB/T 33172 and the following terms and definitions apply to this document.

3.1 The process of leveraging next-generation information technology and using data as a driving force to promote the optimization and innovative development of asset management business.

3.2 Measurement of the development stage and level of digitalization of organizational asset management (3.1).

4.Model Composition Based on the elements and relationships given in GB/T 46841, the asset management digital maturity model consists of strategic elements, business elements, and so on. It consists of five capability elements. basic elements, data elements, technical elements, and support elements, as well as 17 capability domains (as shown in Figure 1).

---Strategic elements. These include four capability domains. overall planning, management system, stakeholders, and performance evaluation;

---Business elements. including two capability domains. business implementation and business capabilities;

---Data elements. including four capability domains. data perception, data governance, data modeling, and data services;

---Technological elements. including two capability domains. application of digital technologies and innovation of technological achievements;

---Safeguard elements include five capability domains. equipment and facilities, standardized work, maintenance and management, human resources, and information security. Organizations can supplement or tailor their capability domains based on the characteristics of their own business activities.