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PEOPLE'S REPUBLIC OF CHINA**

GB/T 23020-2023

Replacing GB/T 23020-2013

**Assessment specification on integration of informatization and
industrialization for industrial enterprises**

工业企业信息化和工业化融合评估规范

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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 replaces GB/T 23020-2013 "Industrial Enterprise Informatization and Industrialization Integration Assessment Standards" and is consistent with GB/T 23020-2013 In comparison, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

- a) Added abbreviations (see Chapter 4);
- b) Changed the expression of the principle (see 5:3, 4:3 of the:2013 version);
- c) Changed the description of the assessment content (see Chapter 6, Chapter 5 of the:2013 edition);
- d) Added the content of "Industrial Internet Platform Empowerment" (see 6:4:5);
- e) Added relevant content of "Verification Method" (see Chapter 8): Please note that some content in this document may be subject to patents: The publisher of this document assumes no responsibility for identifying patents: This document is proposed by the Ministry of Industry and Information Technology of the People's Republic of China: This document is under the jurisdiction of the National Informationization and Industrialization Integration Management Standardization Technical Committee (SAC/TC573): This document was drafted by: National Industrial Information Security Development Research Center, Tsinghua University, Institute of Statistical Science of the National Bureau of Statistics, China Steel Iron Industry Association, China Textile Industry Federation, China Machinery Industry Federation, China Automobile Industry Association, China Light Industry Information Center, China Petroleum and Chemical Industry Federation, China Food Industry Association, China Nonferrous Metals Industry Association, China Shipbuilding

Industry Association, Construction Material Industry Information Center, China Explosive Equipment Industry Association, China Instrument Industry Association, China Chemical and Pharmaceutical Industry Association, China Packaging Federation, China Electronics Enterprises Association, China Communications Industry Association, China Construction Machinery Industry Association, Shanghai Baoxin Software Co., Ltd., China National Petroleum Corporation, China State Shipbuilding Corporation, Beijing Institute of Machinery Industry Automation Co., Ltd., UFIDA Network Technology Co., Ltd., Zhejiang Enterprise Informatization Promotion Association, Zhejiang Turing Internet Research Institute, Industrial Cloud Manufacturing (Sichuan) Innovation Center Xinxin Co., Ltd., Sinopec Lubricant Co., Ltd., Tianjin Cement Industry Design and Research Institute Co., Ltd., Hebei Xinmusi Network Technology Co., Ltd. Company, Shanghai Liantai Technology Co., Ltd., Anhui Maili Information Technology Co., Ltd., Dongying Haike Ruilin Chemical Co., Ltd., Hanweiguang Park (Guangzhou) Machinery Equipment Co., Ltd., Xi'an Xidian High Voltage Switch Operating Mechanism Co., Ltd., Tai'an Aerospace Special Vehicle Co., Ltd., Jin Butterfly Software (China) Co., Ltd., Rainbow Display Device Co., Ltd., Shanxi Yangmei Chemical Machinery (Group) Co., Ltd., Aerospace Cloud Network Technology Technology Development Co., Ltd., China Innovation Aviation Technology Co., Ltd., Beijing Korongda Aviation Technology Co., Ltd., Shanxi Meiyuan Dental Equipment Co., Ltd., Fuzhou Huahong Intelligent Technology Co., Ltd., Yuanxu Semiconductor Technology Co., Ltd., Hangzhou Avis Electronics Co., Ltd., Taicang Tongwei Electronics Co., Ltd., Nanya New Material Technology Co., Ltd., Hunan Walter Jinzhao Technology Co., Ltd., Tangshan Baichuan Intelligent Machine Co., Ltd., Qingdao Jerry Industrial Control Technology Co., Ltd., Shenzhen Yipu Technology Co., Ltd., Chengdu Guoying Jin Jiang Machinery Factory, Qingdao Yucheng Consulting Co., Ltd., Longnan Junya Electronic Technology Co., Ltd., Shenzhen Yongda Electronic Information Co., Ltd., Shenzhen Ketong Technology Co., Ltd., Tianjin Optoelectronic Concentrated Energy Communications Co., Ltd., Shenzhen Baode Software Development Co., Ltd., Shenzhen City Shiruida Automation Equipment Co., Ltd., Kaifeng Deere Air Separation Industrial Co., Ltd., Guizhou Jianyang Power Heavy Industry Co., Ltd. The main drafters of this document: Liu Jiuru, Zhou Jian, Chen Jie, Liu Yu, Tian Jie, Shen Bo, Zhu Kongyuan, Guo Hesheng, Fan Min, Ma Xiaoxiong, Gao Minghui, Jiang Yuan, Yang Qiying, Xia Liangsheng, Li Qing, Yang Jingying, Liu Xijian, Yang Zuyi, Zheng Hong, Long Guojian, Zheng Chaosong, Wang Li, Yin Danyun, Sun Feng, Lin Han, Guo Li, Chen Xi, Wang Tao, Tian Yupeng, Xiao Linlin, Ma Dongyan, Hu Bo, Zhou Peng, Yang Panpan, Xing Tengfei, Li Jun, Wei Yibin, Fu Yuhan, Liu Yang, Yuan Bing, Wang Qingyu, Wang Yang, He Xiaolong, Li Jian, Ma Jinsong, Sun Haowei, Guo Yang, Chen Lei, Zhang Hui, Ji Shuxia, Ji Xiaojun, Yang Baogang, Fu Zheng, Liu Botao, Yang Jing, Hu Yadong, Zhu Meng, Zuo Xuan, Luo Haipeng, Li Miao, Zhao Rui, Li Yapeng, Xu Shan, Zheng Xiang, Lan Jianhua, Zhang Jinling, Wang Benxiong, Xi Guangyi, Chen Guoxiang, Wang Biao, Hu Guangming, Song Yungui, Dong Wulin, Zhao Kui, Zhang Xincheng, Chen Hainiu, Wang Yu, He Lifa, Qi Jianhuai, Ren Fuping, Li Dequan, Zhang Yunxia, Luo Zujin, Li Guanxiong, Yao Yanli: The previous versions of this document and the documents it replaces are as follows:

This document was first published as GB/T 23020-2013 in:2013, and this is the first revision:

Accelerating the integration of informatization and industrialization (hereinafter referred to as the integration of informatization and industrialization) is a major strategic decision made by the Party Central Committee and the State Council in the new era: Department: Since the 18th National Congress of the Communist Party of China, our country has explored and long-term adhered to a Chinese characteristic characterized by the deep integration of informatization and industrialization: It has established a new industrialization path, promoted the manufacturing industry to achieve a historic leap from small to large, and achieved a series of achievements and progress: The 20th National Congress of the Communist Party of China The report pointed out that promoting new industrialization, accelerating the construction of a manufacturing power and a network power, and accelerating the development of the digital economy, promoting the digital economy and the physical Deep economic integration: The integration of informatization and informatization is the only way for my country's new industrialization, and it is also the way for my country to improve the digitalization, networking and intelligence of manufacturing industry: Horizontal strong grip: Facing the complex and ever-changing economic situation at home and abroad, accelerating the integration of informatization and informatization is a strategic measure to cope with the adjustment of the international competitive landscape: An important way for industrial transformation and upgrading: In order to implement the spirit of the 20th National Congress of the Party, continue to unswervingly promote new industrialization, promote informatization and Industrialization has achieved integrated development in a wider scope, deeper degree and higher level: The Ministry of Industry and Information Technology has combined efforts with more than 230,000 enterprises to integrate industrialization and informatization: Assessment practice, promote and standardize the integration assessment work of industrial enterprises from a more comprehensive, scientific, systematic and pragmatic perspective, and jointly conduct relevant research Institutions, industry associations and enterprises guide the revision of this document: This document focuses on the core connotation of the integration of informatization and industrialization, follows the development direction of deep integration of informatization and industrialization, and guides industrial enterprises to integrate information As an intrinsic element of enterprise development, realizing the coordination, interaction and integrated development of the two is an important step for enterprises to achieve information technology around strategic goals: It is a framework and normative guide formulated by comprehensively integrating technology and the entire process of R&D, production, operation and management: It is a comprehensive guideline in infrastructure, business links and business flow: In terms of process, comprehensive integration, collaboration and innovation, we will continue to promote and deepen the optimization and optimization of enterprise R&D, production and operation management in the environment of integration of informatization and informatization: Change and innovation, a set of ideas to comprehensively promote the

innovative development, intelligent development and green development of industrial enterprises and help them continue to gain competitive advantages. Methods and framework systems can effectively improve corporate innovation capabilities, optimal allocation of energy resources and utilization efficiency, and promote industrial transformation and upgrading: level to promote the deep integration of my country's digital economy and real economy: This document gives a general assessment requirement that can guide industrial industry assessment, industry standard formulation, regional industrial enterprise assessment, industrial Enterprise self-assessment and IT service enterprise consultation guide and promote the integration of industrial enterprises and their continuous improvement: The process of staged leaps in the integration of informatization and industrialization described in this document is also the process of enterprises achieving deep integration of informatization and industrialization: In order to guide the application of this document, Appendix A provides detailed guidelines for the evaluation content of the integration of industrial enterprises and industrial enterprises, and Appendix B provides the detailed guidance for industrial enterprises: Construction of evaluation index system and evaluation analysis method for industrial and enterprise integration of informatization and industrialization: Standards for assessment of integration of informatization and industrialization in industrial enterprises

1 Scope

GB/T 23020-2023 is the Chinese national standard on assessment specification on integration of informatization and industrialization for industrial enterprises, in the field of information technology. 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 28 December 2023 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 April 2024. Classification: ICS 35.240.50, CCS L67. 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 stipulates the basic principles, framework and assessment content for the integration of informatization and informatization, and gives specific requirements for assessment content: This document is suitable for industrial enterprises, industry organizations, industry and information technology departments at all levels, etc: to carry out industrial enterprise integration assessment: Work:

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document