

ICS 13.020.99
CCS Z04



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

GB/T 43903-2024

**Green manufacturing - Green supply chain management in
manufacturing enterprises - Requirements for information
tracing and disclosure**

绿色制造 制造企业绿色供应链管理 信息追溯及披露要求

Issued on: April 25, 2024

Implemented on: August 1, 2024

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

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Foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting: Please note that some of the contents of this document may involve patents: The issuing organization of this document does not assume the responsibility for identifying patents: This document was proposed and coordinated by the National Green Manufacturing Technology Standardization Technical Committee (SAC/TC337): This document was drafted by: China Machinery Productivity Promotion Center Co., Ltd., Shenzhen University, Guangdong Anda Intelligent Equipment Co., Ltd., Zhejiang Zhongju Materials Co., Ltd., Environmental Planning Institute of the Ministry of Ecology and Environment, Guangdong Brunp Recycling Technology Co., Ltd., Tianjin Green Supply Chain Association, China Electric Science Research Institute Co., Ltd., Chongqing University, China Environmental United (Beijing) Certification Center Co., Ltd., Quzhou Huayou Resource Recycling Technology Co., Ltd., Shandong Shenli Rigging Co., Ltd., Xiamen Hanyin Electronic Technology Co., Ltd., Hangzhou Aiweisi Electronics Co., Ltd., Zhongtian Guidance Control Technology Technology Co., Ltd., Tongyi (Quanzhou) Light Industry Co., Ltd., Hisense Home Appliances Group Co., Ltd., Kweichow Moutai Co., Ltd., Jin Lang Technology Co., Ltd., Guangdong Dongpeng Holdings Co., Ltd., Zhaoqing Dazheng Aluminum Co., Ltd., Guizhou Xijiu Co., Ltd., Feihe (Jilin) Dairy Co., Ltd., Jiangsu Meike Solar Technology Co., Ltd., Baotou Meike Silicon Energy Co., Ltd., Harbin Electric Power Equipment Co., Ltd., Hunan Jinkai Recycling Technology Co., Ltd., Zhejiang Keteng Precision Machinery Co., Ltd., China Southern Power Grid Wuzhou Branch of Ultra-High Voltage Transmission Company Limited, Jiangxi Ganfeng Lithium Industry Group Co., Ltd., Qingdao Aucma Biomedical Co., Ltd: Co., Ltd., Zhejiang Kaien New Materials Co., Ltd., People's Cable Group Co., Ltd., Ruifu Grease Co., Ltd., Meizhuo Lun Instrument (Changzhou) Co., Ltd: Company, Anhui Sanlian Wood Art Packaging Co., Ltd., Inspur Electronic Information Industry Co., Ltd., Zhejiang Zhengrun Machinery Co., Ltd., Harbin Electric Power Generation Equipment National Engineering Research Center Co., Ltd.,

Inner Mongolia Luwang Cashmere Co., Ltd., Hubei Huazhong Electric Power Technology Development Co., Ltd., Zhejiang Jianghaizheng Biomaterials Co., Ltd., Maiqi Chemical Co., Ltd., Shenzhen BAK Power Battery Co., Ltd., Shanghai Apollo Machinery Co., Ltd., Zhejiang Zhongguang Electric Appliance Group Co., Ltd., and Tubang Certification Co., Ltd.: The main drafters of this document are: Xi Daoyun, Dou Guowei, Sun Tingting, Liu Fei, Yu Yongmiao, Dong Zhanfeng, Liu Zhipeng, Mu Lingling, Hu Jiaqi, Wang Ling, Zhao Quanwu, Cai Shuyi, Chen Ting, Liang Yukeng, Du Daping, Lin Yang, Chen Guoxiang, Li Baoping, Li Zhenzhuo, Bie Qingfeng, Wang Li, Xu Po, Chen Shiqing, Xie Xintian, Jian Li, Gao Yanli, Wang Diqiang, Yang Weiwei, E Zhiqiang, Li Anna, Feng Yan, Wu Jiqing, Yu Yong, Yan Qunxuan, Chen Weipeng, Pan Qing, Wang Chaoqiang, Shan Bo, Zhou Zhenyu, Li Lizi, Xiao Hanjie, Cui Ruifu, Yu Hewei, Ding Zifeng, Wang Jianchang, Ma Zhiqiang, Di Heliang, Wang Dong, Wang Hui, Zhang Jiantong, Nie Wenshan, Wang Xinquan, Chen Jingjia, Chen Wei, Chen Zhiming, Tan Xuejun, Liu Fuyong, Lu Jinqi, Wu Chao, Yao Xueliang, Wang Lei, and Liu Yan:

Green supply chain is based on the traditional supply chain, integrating green manufacturing, product life cycle and extended producer responsibility into the business A supply chain system that comprehensively considers the economic benefits of enterprises, resource conservation, environmental protection, and human health and safety requirements: Supply chain management is one of the effective ways to enhance corporate competitiveness and achieve green and sustainable development: Green information traceability and disclosure is an important part of green supply chain management and an important basis for green procurement and consumption by buyers and consumers: It is also an effective way for the government and social groups to conduct green supervision: Establish a systematic, standardized and transparent green information traceability and disclosure standard: It can build a bridge between manufacturers, buyers and consumers, solve the problem of asymmetric and opaque production and marketing information, and effectively solve the problem of manufacturing enterprises The bottleneck problem is the lack of momentum for green development in the industry: This document is based on the principles and framework established in GB/T 33635-2017 "Green Supply Chain Management Guidelines for Green Manufacturing Enterprises": Framework, and GB/T 39256-2020 "Green Manufacturing Manufacturing Enterprise Green Supply Chain Management Information Management Platform Specification" and other standards The requirements for green supply chain management of manufacturing enterprises are determined, and the information traceability and disclosure requirements are stipulated, which can be used for green manufacturing of manufacturing enterprises (such as Green products, green factories, green supply chains, etc.) and consumers, and can also be used for green information inquiries by management departments and other relevant parties: and supervision: The benefits that enterprises may bring from implementing green information traceability and disclosure management include:

--- Improve the management level and efficiency of green manufacturing in enterprises;

- Meet the requirements of green trade and corporate social responsibility;
- Facilitate green information query and supervision by stakeholders;
- Promote green, low-carbon and sustainable development of enterprises: Green Manufacturing Green Supply Chain Management of Manufacturing Enterprises Information tracing and disclosure requirements

1 Scope

GB/T 43903-2024 deals with the evidence behind a green supply chain claim. A manufacturer's environmental footprint is mostly not its own: it sits in the materials and components it buys, from suppliers it does not control, who buy in turn from suppliers it cannot see. Claims about that footprint are therefore assertions about other people's operations, and they are made routinely - in customer requirements, in procurement conditions, and increasingly in disclosures that carry legal weight. What is usually missing is the traceability underneath: which supplier, which batch, what was actually measured rather than estimated from an industry average, and how far up the chain the information genuinely reaches. This document specifies the overall requirements for green information traceability and disclosure in the green supply chain management of manufacturing enterprises, together with the specific traceability requirements and the disclosure requirements. Separating the two is the useful part: what a company can trace and what it chooses to publish are different questions, and a disclosure is only as good as the traceability behind it. Under ICS 13.020.99 and CCS Z04, it is written for manufacturers, their procurement functions, and the auditors and customers assessing the claims.

This document specifies the overall requirements for green information traceability and disclosure in the green supply chain management process of manufacturing enterprises, green information traceability requirements and green information disclosure requirements: This document applies to the green supply chain information traceability and disclosure of manufacturing enterprises (hereinafter referred to as "enterprises"), upstream and downstream enterprises in the supply chain and their Other relevant parties may refer to this for implementation:

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 28612 Green Manufacturing Terminology

GB/T 33635 Green Manufacturing Guidelines for Green Supply Chain Management of

Manufacturing Enterprises

GB/T 38158 Important product traceability Basic requirements for product traceability systems

GB/T 39256 Green Manufacturing Manufacturing Enterprise Green Supply Chain Management Information Management Platform Specification

GB/T 43914 Green Manufacturing Evaluation Indicators

3 Terms and definitions

The terms and definitions defined in GB/T 28612 and GB/T 33635 and the following apply to this document: 3:

1 Green supply chain greensupplychain Integrate the concept of environmental protection and resource conservation into the entire enterprise from product design to raw material procurement, production, transportation, storage, sales, and use: The entire process of waste disposal and scrapping enables the upstream and downstream supply relationship of enterprises to be coordinated with each other's economic activities and environmental protection: [Source: GB/T 33635-2017, 3:3] 3:

2 The resource, energy, ecological environment, and health and safety characteristics of organizations, processes, products and materials: [Source: GB/T 28612-2023, 3:4] 3:3 green information Data and knowledge about green properties: [Source: GB/T 39256-2020, 3:2]