

ICS 13.020.10

CCS Z 04



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

GB/T 46808-2025

**Guidelines for the digital management of greenhouse gas
emission data of logistics enterprises**

物流企业温室气体排放数据的数字化管理指南

Issued on: December 2, 2025

Implemented on: July 1, 2026

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

Table of Contents

1.Scope	1
2 Normative References	1
3.Terms and Definitions	1
4 General Principles	1
5.Greenhouse Gas Emission Sources and Data	2
6.Digital Management Process	3
4 References	6

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 by the National Technical Committee on Standardization of Logistics Information Management (SAC/TC267). This document was prepared by the National Technical Committee on Standardization of Logistics Information Management (SAC/TC267) and the National Technical Committee on Standardization of Carbon Emission Management. They are jointly managed by SAC/TC548. This document was drafted by: Qingdao Ririshun Supply Chain Development Co., Ltd., Tianjin University, Huzhou Branch of Zhejiang Tobacco Company, and Shenzhen Shun. Fengtaisen Holdings (Group) Co., Ltd., Materials Energy Conservation Center, COSCO Shipping (Tianjin) Co., Ltd., Prologis (Shanghai) Co., Ltd. Anshan Iron & Steel Group Co., Ltd., China Post Express & Logistics Co., Ltd., COSCO Shipping Engineering Logistics Co., Ltd., Beijing JD Qianshi Technology Co., Ltd., FAW Logistics Co., Ltd., Shandong Port Land-Sea International Logistics Group Development Co., Ltd., Liaoning Port Group Co., Ltd. Shunxinhui (Beijing) Supply Chain Management Co., Ltd., Chongqing Chang'an Minsheng Logistics Co., Ltd., Qinling Digital Technology Co., Ltd. Sichuan Anji Logistics Group Co., Ltd., Sinotrans Limited, Tangshan Port Group Co., Ltd., Inner Mongolia Yili Industrial Group Joint-stock company, Inner Mongolia National Dairy Technology Innovation Center Co., Ltd., Inner Mongolia Institute of Metrology and Testing, China Southern Power Grid Internet Service Co., Ltd., Zhongdu Digital Technology Supply Chain Management Co., Ltd., Guangdong Chuangbo Smart Energy Technology Co., Ltd., Zhongbao Smart Transportation Technology Co., Ltd. Limited Liability Company, Zhongbao IoT Technology (Beijing) Co., Ltd., Chongqing Environmental Sanitation Group

Co., Ltd., YTO Express Co., Ltd., Zhejiang Yigangtong E-commerce company, Jiangsu Linghao Network Technology Co., Ltd., Qingdao CIMC Cold Refrigeration Technology Co., Ltd. The main drafters of this document are. Wang Zhenggang, Liu Weihua, Ju Yanliang, Qiao Xianling, Duan Hongjie, Sun Xiaofeng, Gao Guoqing, Yang Huiming, and Jiang Tao. Yang Liguang, Shi Wei, Zhao Jieyu, Luo Yin, Wu Juntao, Zhang Jianfeng, Hou Haiyun, Wu Renjie, Chen Songhuan, Chen Jian, Hu Tianyong, Li Xu, Chen Wei, Qiao Xiaoqiang Wang Siyu, Hou Jiahe, Gao Yongzheng, He Yang, Yuan Chaolun, Lan Rui, Wang Yingzhuo, Cui Dandan, Zhang Qinghuan, Yang Huiyun, Xu Luqiang, Han Jun, Wang Ruiqing Wan Nianrong, Liu Chenhui, Shi Xudong, Zhang Yingying, Wang Yafeng, Dong Dong, Ma Li, You Yun, Wang Siwei, Wang Wei, Shi Qingjie, Gong Mingqiang, Meng Yi, An Yunshu He Jian, Leng Houxi, Wang Pengyue, Sun Pan, Wang Yifei, Liu Yingjun, Xie Shiru, Cao Min, Bai Yan, Liu Bixin, Ma Liang, Xing Shengnan, Tu Wei, Shu Haidong Zheng Baiping, Hong Yiwei, Zhang Haixia, Lin Kelong, Zheng Chenglong, Jiang Minghui, Liu Haibo. Greenhouse gas emissions data from logistics companies Digital Management Guide

1 Scope

GB/T 46808-2025 is the Chinese national standard covering collecting emissions data across a logistics operation - the fuel and electricity of vehicles, warehouses and handling equipment, gathered from telematics and meters rather than from invoices at year end, and the quality controls on it. First edition, with the green logistics indicators GB/T 37099-2026. It was issued on 2 December 2025 and has been in force since 1 July 2026, 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 establishes the general principles for the digital management of greenhouse gas emission data of logistics enterprises, and provides information on greenhouse gas emission sources and data for logistics enterprises. Guidance on data, digital management processes, and digital management assurance. This document applies to logistics companies implementing digital management of greenhouse gas emission data.

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 32150 General Rules for Greenhouse Gas Emission Accounting and Reporting by Industrial Enterprises

GB/T 44854-2024 Requirements for the Configuration and Management of Energy Measuring Instruments in Logistics Enterprises
WB/T 1135-2023 Requirements for Greenhouse Gas Emission Accounting and Reporting of Logistics Enterprises

3 Terms and Definitions

The terms and definitions defined in GB/T 32150 and WB/T 1135-2023, as well as the following terms and definitions, apply to this document.

3.1 Greenhouse gases Naturally occurring and human-generated elements in the atmosphere that can absorb and disperse pollutants produced by the Earth's surface, atmosphere, and clouds. Gaseous components of radiation with wavelengths in the infrared spectrum.

Note. Unless otherwise specified, greenhouse gases in this document include carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O) and hydrofluorocarbons (HFCs).
[Source: WB/T 1135-2023, 3.2]

3.2 Enterprises, based on next-generation information technology and modern management concepts and methods, conduct extensive data aggregation, integration optimization, and value mining. The process of connecting data chains enables data sharing, business collaboration, and management optimization. [Source: GB/T 23031.2-2023, 3.1.1, with modifications]

4 General Principles

4.1 Logistics companies should develop a digital management strategy for greenhouse gas emission data.

4.2 The purpose of digital management of greenhouse gas emission data is to help logistics companies accurately and quickly collect, correct, transmit, apply, and display greenhouse gas emission data. Gas emission data.

4.3 Logistics companies should adhere to the principles of data integrity, availability, security, and traceability when digitally managing greenhouse gas emission data.

4.4 Logistics companies should establish greenhouse gas emission data management systems based on the greenhouse gas emission data management needs of various operational scenarios and management units.