

ICS 25.020

CCS J 32



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

GB/T 32151.51-2025

**Requirements of the greenhouse gas emissions accounting
and reporting - Part 51: Stamping enterprises**

温室气体排放核算与报告要求 第51部分：冲压企业

Issued on: August 1, 2025

Implemented on: February 1, 2026

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

Table of Contents

Preface	III
Introduction	V
1 Scope	1
2 Normative references	1
3 Terms and Definitions	1
4 Accounting Boundary	2
4.1 General Principles	2
4.2 Accounting and reporting scope	3
5 Measurement and monitoring/testing requirements	3
5.1 Parameter Identification	3
5.2 Fossil Fuel Combustion Emissions Measurement and Monitoring/Detection Requirements	3
5.3 Metering and monitoring/testing requirements for purchased electricity and heat	4
5.4 Measurement and monitoring/testing management requirements	4
6 Calculation steps and methods	4
6.1 Calculation Step	4
6.2 Calculation Method	5
7 Data Quality Management	7
8 Report content and format	8
8.1 General	8
8.2 Basic information of the reporting entity	8
8.3 Greenhouse gas emissions	8
8.4 Activity data and their sources	8
8.5 Emission factors and their sources	8
8.6 Declaration of Authenticity	8
Appendix A (Informative) Stamping Enterprise Greenhouse Gas Emissions Accounting Boundary Diagram	9
Appendix B (Informative) Stamping Enterprise Greenhouse Gas Emissions Reporting Format Template	10
Appendix C (Informative) Default values of relevant parameters	15
Appendix D (Normative) Principles for Determining Emission Factors for Non-fossil Energy Electricity and Supporting Documents	18
D.1 Principles for selecting electricity emission factors documents	18
D.2 Relevant supporting documents	18

Appendix E (Informative) Data Quality Control Plan Template	19
Reference	23

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.

This document is Part 51 of GB/T 32151 Greenhouse Gas Emissions Accounting and Reporting Requirements. Lower part.

- Part 1: Power generation enterprises;
- Part 2: Grid enterprises;
- Part 3: Magnesium smelting enterprises;
- Part 4: Aluminum smelting enterprises;
- Part 5: Iron and steel production enterprises;
- Part 6: Civil aviation enterprises;
- Part 7: Flat glass production enterprises;
- Part 8: Cement production enterprises;
- Part 9: Ceramic production enterprises;
- Part 10: Chemical production enterprises;
- Part 11: Coal production enterprises;
- Part 12: Textile and clothing enterprises;
- Part 13: Independent coking enterprises;
- Part 14: Other non-ferrous metal smelting and rolling processing enterprises;
- Part 15: Petrochemical enterprises;
- Part 16: Oil and gas production enterprises;
- Part 17: Fluorine chemical enterprises;
- Part 18: Forging enterprises;
- Part 19: Heat treatment enterprises;
- Part 20: Furniture manufacturing enterprises;

- Part 21. Foundry;
- Part 22. Livestock and poultry breeding enterprises;
- Part 23. Planting industry institutions;
- Part 24. Electronic equipment manufacturing enterprises;
- Part 25. Food, tobacco, wine, beverage and refined tea enterprises;
- Part 27. Land transportation enterprises;
- Part 28. Mining enterprises;
- Part 29. Machinery and equipment manufacturing enterprises;
- Part 30. Water transport enterprises;
- Part 31. Wood processing enterprises;
- Part 32. Coatings manufacturers;
- Part 34. Carbon material production enterprises;
- Part 35. Glass fiber product manufacturers;
- Part 36. Thermal insulation material manufacturers;
- Part 37. Manufacturers of sintered building materials for walls, roofs and roads;
- Part 38. Cement product manufacturers;
- Part 39. Building gypsum production enterprises;
- Part 40. Manufacturers of building waterproof materials;
- Part 41. Industrial silicon production enterprises;
- Part 42. Copper smelting enterprises;
- Part 43. Lead smelting enterprises;
- Part 44. Zinc smelting enterprises;
- Part 45. Phosphoric acid and phosphate enterprises;
- Part 46. Waste battery treatment and disposal enterprises;
- Part 47. Chemical fiber production enterprises;
- Part 51. Stamping enterprises.

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 jointly proposed by the Ministry of Ecology and Environment of the

People's Republic of China and the National Technical Committee for Forging Standardization (SAC/TC74).

This document was jointly issued by the National Technical Committee on Forging Standardization (SAC/TC74) and the National Technical Committee on Carbon Emission Management Standardization (SAC/TC548) jointly under the jurisdiction of the Commission.

This document was drafted by: SAIC General Motors Co., Ltd., China Machinery Engineering Academy Group Beijing Electromechanical Research Institute Co., Ltd., Shanxi Tianbao Group Co., Ltd., Northern Engineering Design and Research Institute Co., Ltd., Machinery Industry Ninth Design and Research Institute Co., Ltd., Baoshan Iron and Steel Co., Ltd.

Co., Ltd., Jiangsu Pengde Industrial Technology Co., Ltd., Wuhan University of Technology, Anhui Jianghuai Automobile Group Co., Ltd., Zhejiang Ruitai Suspension System Technology Co., Ltd. and Ningbo Jingle Auto Parts Co., Ltd.

The main drafters of this document are: Luo Renping, He Liang, Zhang Yanling, Wei Wei, Xue Hongyan, Han Xianfeng, Du Qinghui, Lian Changwei, Tan Zhengguang, Hua Lin, Chen Shitao, Yu Minghu, Zhou Lin, Hu Dawei, Wang Limiao, Lu Zhendong, Han Fei, Tan Tianning, Hu Zhili, Zhou Fuqiang, Liu Cheng, Huang Feng, Zheng Wei, Xiang Yang, Zhang Qijiang.

Introduction

Climate change caused by human activities has been recognized as one of the greatest challenges facing the world and will continue to Climate change will have an impact on human and natural systems and will have an impact on resource availability, economic activities and human In response, relevant international organizations, countries and regions are developing and implementing international, regional, national and local greenhouse gas (GHG) emissions management programs to reduce greenhouse gas (GHG) concentrations in the Earth's atmosphere and help humanity adapt to climate change.

Greenhouse gas emission management plans need to be based on the best scientific knowledge and take effective and progressive measures to address the impacts of climate change.

Standards help transform this scientific knowledge into tools to address climate change. Greenhouse gas emission management programs rely on Relies on the quantification, monitoring and reporting of greenhouse gases.

GB/T 32151 "Greenhouse Gas Emissions Accounting and Reporting Requirements" stipulates the greenhouse gas emissions accounting and reporting requirements at different enterprise levels.

The purpose is to specify the greenhouse gas emission boundaries, measurement and