

ICS 13.020.01

CCS Z 04



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

GB/T 44443-2024

Green product assessment-Computers

绿色产品评价 计算机

Issued on: August 23, 2024

Implemented on: March 1, 2025

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

Table of Contents

Preface... III Introduction... IV 1 Scope	1
2 Normative references	1
3 Terms and Definitions	2
4 Evaluation requirements	3
5 Evaluation Methods	7
Appendix A (Normative) Calculation method for the proportion of post-consumer recycled plastics	8
Appendix B (Informative) Calculation method for annual carbon reduction of products	9
Appendix C (Informative) Polycyclic Aromatic Hydrocarbons (PAHs)	12
References	13

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 is required.

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 Technical Committee for Information Technology Standardization (SAC/TC 28).

This document was drafted by: China Electronics Technology Standardization Institute, China National Institute of Standardization, Beijing CESI Certification Co., Ltd., China Environmental United (Beijing) Certification Center Co., Ltd., China Quality Certification Center, China Customs Science and Technology Research Center, Beijing University of Technology Institute of Electrical Appliances, China Household Electrical Appliances Research Institute, Jiangsu Electronic Information Product Quality Supervision and Inspection Institute, TUV Rheinland Technical Supervision Services (Guangdong) Co., Ltd.

Company, Huawei Terminal Co., Ltd., Lenovo (Beijing) Co., Ltd., Sugon Information Industry Co., Ltd., Acer (Chongqing) Co., Ltd.

Co., Ltd., Hewlett-Packard Co., Ltd., Dell (China) Co., Ltd., Jiangsu Guoguang Information Industry Co., Ltd., Honor Terminal Co., Ltd.

Co., Ltd., Kingfa Technology Co., Ltd., Tongfang Computer Co., Ltd., Great Wall Information Co., Ltd., Huawei Technologies Co., Ltd., Sugon Information Industry (Beijing) Co., Ltd.,

Inspur Electronic Information Industry Co., Ltd., Super Fusion Digital Technology Co., Ltd., H3C Technologies Co., Ltd., BOE Technology Group Co., Ltd., TPV Display Technology (China) Co., Ltd., TPV Electronic Technology (Fujian) Co., Ltd.

Ltd., China Academy of Information and Communications Technology, the Fifth Electronic Research Institute of the Ministry of Industry and Information Technology, Shenzhen Institute of Standards and Technology, Beijing Zunguan Technology Co., Ltd., Beijing University of Science and Technology, Kunming University of Science and Technology, Newland Digital Technology Co., Ltd., Guangdong Quality Inspection Zhongcheng Certification Co., Ltd.

Co., Ltd., China Electronic Equipment Technology Development Association, Tongtaiyi Information Technology (Fujian) Co., Ltd., Beijing Lexun Technology Co., Ltd., Beijing Sheng Ecological Design and Green Manufacturing Promotion Association, China Electronics Quality Management Association.

The main drafters of this document are: Yang Yutao, Chen Hai, Zhao Lihua, Li Husheng, Zong Jianfang, Zhu Yi, Gao Feng, Han Shuoxiang, Zhang Gang, Liu Xiaofei, Zhang Zhanxin, Zhao Bingqing, Zhang Xin, Xia Yujuan, Peng Yanyan, Chen Jing, Gao Jian, Yin Meijuan, Cai Yi, Xu Qiuming, Fan Linxia, Tang Manyang, Hong Qi, Xing Aijing, Gong Xun, Xing Yuanna, Wu Kai, Zhang Yinghua, Han Xu, Wang Zhe, Xia Mengjun, Huang Xuan, Liu Xiao, Liu Fang, Jiang Tao, Zhou Li, Ye Nanbiao, Wang Zelong, Lu Chunyang, Xu Lijie, Zhang Huaqin, Bo Xia, Wang Jianjun, Pan Chongchao, Guo Fan, Tang Aijun, Meng Lingchao, Xia Hui, Wang Xiaodong, Liu Yunzhu, Chen Renwei, Qi Qi, Jin Jing, Liu Jingyu, Zhou Jingjing, Li Xinguo, Zhang Zhigang, Ouyang Xiaohui, Deng Bofu, Li Jin, Wang Jiangtao, Fu Maijin, Feng Donglai, Chen Zhou, Cai Chunshui, Zhong Liansheng, Li Wenfang, Gong Wei, Jiang Xuefeng, Zhao Yiling, Yuan Han, Song Wenxi, Bai Xinlu, Li Pei, Jie Huihui, Qin Lidong.

Introduction

This document is based on the overall framework of GB/T 33761 "Green Product Evaluation General Principles" and combines the characteristics of computer products to establish a green product evaluation system.

Green product evaluation index system. The selection of green product evaluation index is based on "life cycle concept", "representativeness" and "operability".

The principles of "compatibility" and "green high-end leadership" start from the life cycle stages of raw material acquisition, production, use, and waste disposal.

Focus on analyzing the resource and energy consumption, ecological environment impact and human health and safety factors of products at different stages, and select The main green and low-carbon characteristics of this type of product and the indicators that can be quantified and tested and verified constitute the green product evaluation index system,

which provides a reference for relevant parties.

Provide a basis for green product evaluation.

Green Product Evaluation Calculator

1 Scope

This document specifies the evaluation requirements and methods for computer green products.

This document is applicable to the green product evaluation of desktop microcomputers, portable microcomputers, servers and monitors.

For reference only for computer products.

2 Normative references

GB 4943.1

GB/T 9254.1

GB/T 9813.1

GB/T 9813.2

GB/T 9813.3

GB 17625.1

GB/T 18313

GB/T 18455

GB/T 19001

GB/T 20155

GB 20943

GB 21520

GB/T 24001

GB/T 24256

GB 28380

GB/T 29784

GB/T 29785

GB 31241

GB/T 31268

GB/T 32355.2

GB/T 32883

GB/T 33345

GB/T 33761

GB/T 39560

GB 43630

chinastandards.org - PREVIEW