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

GB/T 46484.1-2025

**Technical specification of age-friendly technology for
household electrical appliances - Part 1: General requirements**

家用电器的适老化技术规范 第1部分：通用要求

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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 is Part 1 of GB/T 46484 "Technical Specifications for Aging-Friendly Use of Household Appliances". GB/T 46484 has the following published specifications. part.

1.General Requirements. 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 China National Light Industry Council. This document is under the jurisdiction of the National Technical Committee on Standardization of Household Appliances (SAC/TC46). This document was drafted by: China Household Electric Appliance Research Institute, Hefei Hualing Co., Ltd., and Qingdao Hisense Hitachi Air Conditioning Systems Co., Ltd. Hisense Refrigerator Co., Ltd., Xiaomi Smart Home Appliances (Wuhan) Co., Ltd., Guangdong Midea Refrigeration Equipment Co., Ltd., and BSH Home Appliances Investment (China) Co., Ltd., China Electronics Engineering Design Institute Co., Ltd., Panasonic Home Appliances (China) Co., Ltd., Qingdao Aucma Home Appliances Limited Liability Company, Changhong Meiling Co., Ltd., TCL Air Conditioner

(Zhongshan) Co., Ltd., Tibet Oxygen Supply Technology Co., Ltd., Chengdu Tianyou Jingchuang Technology Co., Ltd., Haozhonghao Health Technology Co., Ltd., Anhui Zhongren Beijia Technology Co., Ltd., and China Household Electric Appliance Research Institute (Beijing) Testing and Certification Co., Ltd. Limited Company. The main drafters of this document are. Yan Ling, Chen Xiantong, Li Hongwei, Ren Zhaoting, Zhang Xinlu, Tang Xuejin, Zhang Pengge, Shan Lianyu, and Hu Niya. Yuan Haiyan, Han Han, Zheng Guowei, Wei Yubin, Li Tao, Han Dong, Ma Fenxian, Yan Wei, He Xiuqiong, Li Jiaming, Qi Xin, Yan Zhongying, Li Yang, Zhou Mingda.

With the increasing aging of the population and the continuous advancement of technology, society's demand for age-friendly home appliances is becoming more and more urgent. GB/T 46484 "Technical Specifications for Aging-Friendly Household Appliances" is divided into several parts. This document is Part

1. Subsequent parts will be based on different... More detailed and specific standards will be developed for different home appliances or specific needs. Each part is related to Part 1 and together constitutes the standards for home appliances. A standard system for aging-friendly electrical appliance technical specifications. GB/T 46484 "Technical Specifications for Aging-Friendly Household Appliances" is proposed to consist of the following three parts.

1. General Requirements. The purpose is to specify general requirements for the aging-friendly design of household appliances.

2. Special Requirements for Washing Machines. The purpose is to specify special requirements for the aging-appropriate design of washing machines.

3. Special Requirements for Refrigerators. The purpose is to specify special requirements for the aging-appropriate properties of refrigerators. Aging-friendly technical specifications for household appliances Part

1 Scope

GB/T 46484.1-2025 is the Chinese national standard covering designing appliances for older users - the control size, contrast and labelling, the audible feedback and its frequency range, the forces required to open and operate, the error tolerance and the recovery from a wrong press, and the instructions. Part 1 of the series, first edition, under the China National Light Industry Council. In force from 1 May 2026. Issued on 5 October 2025, it has been in force since 1 May 2026.

This document specifies the aging-friendly technical requirements for household and similar appliances and describes the corresponding test methods. This document applies to the age-friendly design, testing, and evaluation of household and similar electrical appliances (hereinafter referred to as "household appliances").

Note. The elderly people referred to in this document are those who are able to live independently but experience certain difficulties using household appliances that meet standard technical requirements due to aging. The elderly. Some elderly people lose the ability to use household appliances due to physical disabilities or mental disorders, and their needs may exceed those of the elderly mentioned in this article. The scope of the items.

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 4706 (all parts) Safety of household and similar electrical appliances

GB/T 28219 General Technical Requirements for Intelligent Home Appliances

GB/T 36934 Design Guidelines for Household Appliances for the Elderly

GB/T 36947 User Interface Design Specification for Home Appliances Designed for the Elderly

GB/T 40443-2021 General Technical Requirements for Household Appliances Applicable to the Elderly

GB/T 40979 Requirements and Evaluation Methods for Personal Information Protection of Smart Home Appliances

GB/T 41529-2022 General Safety Requirements for Intelligent Home Appliance Systems for Assisting the Living Lives of the Elderly

GB/T 41789 General safety technical requirements for intelligent household appliances

GB 44246 Safety Technical Specifications for Electrical Components of Household and Similar Electrical Appliances, Sporting Goods and Electric Toys

GB 44498 Health Technical Specifications for Household and Similar Electrical Appliances

3 Terms and Definitions

The terms and definitions defined in GB/T 28219, GB/T 36934, GB/T 36947, and GB 44246, as well as the following terms and definitions, apply to this document.

3.1 Single-phase AC powered appliances used by non-professionals in homes, residences, and similar settings (e.g., shops, light industry, and farms). Electrical appliances with a rated voltage not exceeding 250V, and other appliances with a rated voltage not exceeding

480V. [Source: GB 44246-2024, 3.1]

3.2 Age-friendly Suitable for the elderly Improve or upgrade products, services, facilities, and the environment to enhance their age-friendliness, adapting to older adults' needs for reduced safety risks and improved living standards.

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