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

GB/T 43814-2024

General technical requirements for intelligent furniture

智能家具通用技术要求

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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 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 by China Light Industry Federation. This document is under the jurisdiction of the National Furniture Standardization Technical Committee (SAC/TC480). This document was drafted by: Gujia Home Furnishing Co., Ltd., Shanghai Quality Supervision and Inspection Technology Research Institute, Hunan Gaosheng Hongfu Furniture Ltd., Qisheng Technology Co., Ltd., Beijing Product Quality Supervision and Inspection Institute (National Furniture and Indoor Environment Quality Inspection and Testing Institute Center), Hangzhou Junyue Technology Co., Ltd., Huizhou Chengye Furniture Co., Ltd., De Rucci Healthy Sleep Co., Ltd., Shenzhen Yuanchao Wisdom Life Co., Ltd., Shenzhen Golden Phoenix Furniture Group Co., Ltd., Guangdong Guojing Furniture Group Co., Ltd., Qingdao Haier Whole House Home Co., Ltd., OPPEIN Home Furnishing Group Co., Ltd., Hangzhou Hengfeng Furniture Co., Ltd., Huida Sanitary Ware Co., Ltd., Mingzhu Furniture Co., Ltd. Li Zhongjun, Zhang Youquan, Zeng Wen, Zhang Qiang, Liang Jiaxin, Fan Zhen, Huang Jiaxin, Luo Hailong, Wang Qingyan, Bai Weichao, Yang Bingheng, Hu Jie, Tu Qixu, Shi Yacheng. General technical requirements for smart furniture

1 Scope

GB/T 43814-2024 is the Chinese general technical standard for intelligent furniture, the category that appears when a wardrobe, a bed, a desk or a sofa acquires motors, sensors, a controller and a network connection. It is a genuinely awkward product to standardise, because it has to satisfy the furniture requirements and the electrical, electromagnetic and information requirements at once, and until this document existed nobody was clear which applied. The standard sets the requirements on the furniture itself and on its intelligent

functions, on electrical safety and on electromagnetic compatibility both emission and immunity, on the control and interaction, on noise, on durability and on the safety of moving parts, and it describes the corresponding test methods; it then sets the inspection rules, the marking, the instructions for use, and the packaging, storage and transport. It applies to indoor intelligent furniture products. It takes effect on 1 October 2024, and for a maker or a retailer it is the text a product has to be shown against.

2 Immunity requirements

GB/T 14531 Office furniture - reading tables, chairs and stools

GB/T 14532 Office furniture - wooden cabinets and shelves

GB 17625.1 Electromagnetic compatibility limits Part

GB/T 3324 General technical requirements for wooden furniture

GB/T 3325 General technical requirements for metal furniture

GB/T 3785.1-2023 Electroacoustic sound level meter Part

6 Furniture

GB 7000.1 (all parts) Luminaires

GB/T 9254.1 Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers Part

11 Test dummies

GB 18584 Limits of harmful substances in wooden furniture for interior decoration and renovation

GB/T 18595 Electromagnetic compatibility immunity requirements for general lighting equipment

GB/T 22793 Test methods for safety performance of children's high chairs

GB 22793.1 Furniture Children's high chairs Part