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

**GB/T 38099.4-2026**

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**Treatment requirements for waste electrical and electronic  
products - Part 4: Medical service equipment**

废弃电器电子产品处理要求 第4部分：医疗服务设备

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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 4 of GB/T 38099, "Requirements for the Disposal of Waste Electrical and Electronic Equipment". GB/T 38099 has published the following... part.

1. Small IT Devices and Communication Products;

2. Appliances Containing Refrigerants;

4. Medical Service Equipment. 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 and is under the jurisdiction of the National Technical Committee on Environmental Standardization of Electrical and Electronic Products and Systems (SAC/TC297). This document was drafted by: China Quality Certification Center Co., Ltd., China National Resources Recycling Association, and Shenzhen Mindray Medical International Limited. The company, Langfang Jinye Environmental Protection Technology Co., Ltd., the Solid Waste and Chemicals Management Technology Center of the Ministry of Ecology and Environment, and the China Quality Certification Center have [relevant/relevant] relationships. Limited Company Shenzhen Branch, China Quality Certification Center Co., Ltd. Hangzhou Branch, Henan Provincial Ecological Environment Monitoring and Safety Center, Southwest Science and Technology Technical University. The main drafters of this document are. Liu Yunong, Luo Mingfei, Zhang Heran, Chen Yongqiang, Ye Jindi, Huang Xinyu, Wei Honglian, Tao Yuan, Wu Yi, and Yu Keli. Hou Guiguang, Ye Changqing, Deng Yi, Li Xin, Han Shuaishuai, Xue Peng, Chen Mengjun.

With the rapid advancement and intelligent upgrading of medical technology, medical service equipment is being updated and replaced at an unprecedented rate, resulting in... The number of discarded medical devices continues to grow. This type of waste presents both resource value and potential risks. It often contains precious metals and high-precision components. While recyclable resources such as recyclable materials can be disposed of,

they may also carry pathogens, chemical reagents, and other harmful substances. Improper disposal can easily lead to environmental pollution and endanger [the environment]. This also raises concerns about public health. Furthermore, the large amount of sensitive patient information stored in the devices necessitates the secure destruction of this data. GB/T 38099 "Requirements for the Treatment of Waste Electrical and Electronic Equipment" aims to provide systematic guidance for the treatment of waste electrical and electronic equipment, and is proposed to consist of four parts. constitute.

- 1.Small IT Equipment and Communication Products. The purpose is to guide the disassembly, record keeping, and disposal of these products. Standardize it.
  - 2.Electrical Appliances Containing Refrigerants. The purpose is to guide their dismantling, refrigerant handling, record keeping, and product disposal. The process should be standardized.
  - 3.Server. The purpose is to address its processes in disassembly, data erasure, data destruction, record keeping, and product disposal. The section is standardized.
  - 4.Medical Service Equipment. The purpose is to address the dismantling, recycling, storage, record keeping, and product disposal processes. The section is standardized.
- Requirements for the disposal of waste electrical and electronic products Part

## 1 Scope

GB/T 38099.4-2026 is the Chinese national standard covering scrapping medical equipment - the decontamination before anyone opens it, the radioactive sources in some imaging devices, the mercury, the batteries and the patient data held in the machine. Part 4, first edition, in force since 1 May 2026, with Part 3 on servers. It was issued on 28 January 2026 and has been in force since 1 May 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 2026 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 specifies the general requirements for the disposal of medical service equipment among waste electrical and electronic products, the requirements for documentation and record keeping, and the recycling and storage procedures. Storage, treatment, and pollution control requirements. This document applies to instruments, equipment, appliances, and in vitro diagnostic instruments that are used directly or indirectly on the human body and require electrical energy to function properly. The treatment of instruments and other similar medical service equipment. This document does not apply to medical service equipment containing radioactive sources.

## 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 8978 Integrated Wastewater Discharge Standard

GB 12348 Emission Standard for Environmental Noise at the Boundary of Industrial Enterprises

GB 16297 Integrated Emission Standard for Air Pollutants

GB 18597 Standard for Pollution Control of Hazardous Waste Storage

GB/T 29769 Terminology for the Recycling of Waste Electrical and Electronic Equipment

GB/T 44157 Requirements for the treatment and disposal of waste circuit boards

HJ2025 Technical Specifications for the Collection, Storage and Transportation of Hazardous Waste

## 3 Terms and Definitions

The terms and definitions defined in GB/T 29769 and the following terms and definitions apply to this document.

3.1 Processing enterprise recyclers Legal entities engaged in the disposal of waste electrical and electronic equipment such as medical service equipment must possess waste electrical and electronic equipment disposal qualifications and have the necessary licenses. There are corresponding processing facilities and sites. [Source: GB/T 29769-2013, 3.4, with modifications]

3.2 treatment Activities such as disinfection, decontamination, dismantling, and recycling of medical service equipment. [Source: GB/T 29769-2013, 3.3, with modifications]

## 4 General Requirements

4.1 The disposal of medical service equipment should follow the principles of harmlessness and maximizing resource utilization.