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

GB/T 45070-2024

**Specification of take-back on waste electrical and electronic
product**

废弃电器电子产品回收规范

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1 Scope

GB/T 45070-2024 specifies the take-back of waste electrical and electronic products. China generates more e-waste than any other country and has built a formal recycling system funded by a levy on producers, but most discarded appliances still leave the household through informal collectors, and what happens between the door and the licensed dismantler determines whether the refrigerant is vented, the CRT broken and the residue burned. This standard addresses that stage. It sets the basic requirements, the take-back requirements covering collection, handling, transport and delivery to a licensed processor, the information management, the production safety requirements and the environmental protection requirements. It takes effect on 1 June 2025.

This document specifies the basic requirements, recycling requirements, information management, production safety and environmental protection requirements for the take-back of waste electrical and electronic products. This document is applicable to the take-back of waste electrical and electronic products included in the Waste Electrical and Electronic Products Recycling Directory. It is a reference for the recycling of other waste electrical and electronic products. This document does not apply to waste electrical and electronic products with hazardous characteristics listed in the Directory of National Hazardous Wastes.

2 Normative references

The provisions of the following documents constitute the essential clauses of this document through normative references in this text. Among them, for referenced documents with dates, only the versions corresponding to the dates are applicable to this document; for referenced documents without dates, the latest versions (including all amendments) are applicable to this document.

GB 2894 Safety signs and guideline for the use

GB 18597 Standard for pollution control on hazardous waste storage

GB 18599 Standard for pollution control on the non-hazardous industrial solid waste storage and landfill

GB 50140 Code for design of extinguisher distribution in buildings

GB 50974 Technical code for fire protection water supply and hydrant systems

GB 39800.1 Specification of the provision of personal protective equipment - Part 1: General requirement

4.2.2 A training system shall be established to ensure that necessary knowledge training is provided to personnel and training records are kept.

4.2.3 Personnel engaged in special operations for the take-back of waste electrical and electronic products, including but not limited to operating cranes, drilling holes in special walls (such as marble, wooden walls, etc.) and disassembling and installing anti-theft windows, shall hold a certificate for special operations and comply with relevant management regulations.

4.3 Site requirements

4.3.1 Waste electrical and electronic products may be stored at recycling stations for renewable resources or at special sites.

4.3.2 The storage site shall have a roof, be well-ventilated, and be hardened to prevent seepage.

4.3.3 The storage site shall be divided into zones according to the categories of waste electrical and electronic products, and signs shall be placed in prominent locations in each zone.

4.4 Equipment and facility requirements

4.4.1 The collectors shall be equipped with necessary recycling facilities and equipment and ensure that they are qualified, including but not limited to:

a) Transportation equipment: freight vehicles for collection and external transfer of waste electrical and electronic products;

- b) On-site transfer equipment: forklifts and trailers for transfer within the storage sites (applicable to enterprises);
- c) Storage equipment: storage cages and pallets for waste electrical and electronic products;
- d) Weighing equipment: electronic scales and floor scales for weighing and statistical weight;
- e) Information management facilities: hardware and supporting software shall be included to enable information entry, query and traceability.

4.4.2 Necessary protective equipment shall be provided according to the characteristics of personnel's positions.

4.4.3 The entrances and exits of storage sites, key risk locations and recycling sites shall be equipped with networked video surveillance systems. The surveillance system shall cover the entire process of waste electrical and electronic products from entry to exit. measures shall be taken to prevent leakage.

5.3.3 Waste electrical and electronic products that are flammable, explosive or contain corrosive substances shall be loaded separately.

5.4 Transportation

5.4.1 The transport vehicle shall be rainproof and scatter-proof, preferably a van, and comply with relevant road transport requirements.

5.4.2 The safety of transport vehicles shall be checked regularly to prevent safety risks during transportation.

5.4.3 When transporting waste electrical and electronic products that are flammable, explosive or contain corrosive substances, labels indicating flammable and dangerous goods shall be provided.

5.4.4 Waste electrical and electronic products shall not be discarded at will during transportation.

5.4.5 Transport-related information shall be recorded and retained.

5.5 Storage

5.5.1 Waste electrical and electronic products shall be stored in classified areas, and classification areas shall be labeled with the category, quantity, source, time, etc.

5.5.2 Waste electrical and electronic products should be stored in layers using fixed steel frames, brackets, retaining piles and pallets, and there should be passages of appropriate width between each area.

5.5.3 Safety and environmental protection inspections shall be carried out regularly on storage sites.

5.5.4 The information related to warehousing, storage and delivery shall be recorded and retained.

5.5.5 General industrial solid waste generated during the take-back process shall be collected separately, and the storage and disposal sites shall comply with the relevant requirements of GB 18599.

6 Information management

6.1 The collectors shall establish a traceability system to record the source, loading and unloading, transportation and storage of waste electrical and electronic products to ensure product traceability.

6.2 The collectors should assign traceability codes to each batch of waste electrical and electronic products.

6.3 The record-keeping period of the information traceability system shall not be less than 3 years.

7 Safety production requirements

7.1 A production safety system shall be established, including but not limited to: an organizational management system, employee production safety training system, production safety inspection system, fire drills and emergency response plans for emergencies, and safety management personnel shall be assigned.

7.2 Safety signs at storage sites shall comply with the requirements of GB 2894.

7.3 Waste electrical and electronic products containing flammable and explosive properties, corrosive substances or damaged products shall be stored separately in designated areas and physically isolated from other storage areas.

7.4 A site safety production inspection system shall be established in accordance with GB 39800.1 and inspection records shall be kept.

7.5 Safe evacuation passages, fire truck passages and fire hydrant systems shall be set up in accordance with the requirements of GB 50974.

7.6 Fire-fighting equipment shall be provided in accordance with the requirements of GB 50140.

7.7 There shall be a special equipment usage registration certificate and inspection certificate, and a ledger shall be established and managed by a dedicated person.

7.8 The security of personal information during the entire collection process of waste