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

GB/T 4706.103-2024

Replacing GB 4706.103-2010

**Safety of household and similar electrical appliances - Part 103:
Particular requirements for electric fishing machines
(English Translation)**

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Reference

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.

This document is Part 103 of GB/T 4706 "Safety of Household and Similar Electrical Appliances". GB/T 4706 has been published as follows part.

- Part 1: General requirements;
- Part 2: Particular requirements for electric irons;
- Part 121: Particular requirements for professional ice cream machines.

This document replaces GB 4706.103-2010 "Particular requirements for safety of electric fish-catching devices for household and similar electrical appliances" and Compared with GB 4706.103-2010, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- Deleted the test conditions for battery-powered fish traps (see 5.8.1 of the 2010 edition);
- Deleted the waterproof level requirements for the battery compartment of portable electric fish-catching devices with a voltage exceeding 24V (see 6.2 of the 2010 edition);
- Deleted the warning content related to battery-powered fish traps (see 7.1 of the 2010 edition);
- Deleted the hazardous voltage, positive and negative pole markings (see 7.6 of the 2010 edition);
- Deleted the power terminal marking requirements (see 7.8 of the 2010 edition);
- Changed the voltage requirements in the heating test of the fish trap (see 11.5, 11.5 of the 2010 edition);
- Deleted the test conditions for leakage current and electrical strength of battery-powered

fish traps (see 16.1 and 16.101 of the 2010 edition);

--- Added the provision that "output terminal components of electric fishing devices are not applicable" (see 22.12);

--- Deleted the structural requirements for battery-powered fish traps (see 22.103 of the 2010 edition);

--- Changed the technical requirements for electric actuator tilt switches (see 22.102, 22.102 of the 2010 edition);

--- Delete the relevant cord connection requirements for battery-powered fish traps (see 25.5, 25.8, 25.20, 25.23 and 25.101 of the 2010 edition);

--- Deleted the wiring requirements for using X-type connection with external batteries or battery boxes (see 26.5 of the 2010 edition);

--- Added requirements for heat resistance and flame retardancy (see 30.2);

--- Deleted the safety requirements for electric fish-catching devices installed on board ships (see Appendix AA of the 2010 edition);

--- Added provisions for equipment powered by batteries that are not rechargeable or cannot be charged in the equipment (see Appendix S);

--- Added provisions for marine electric fish-catching devices (see Appendix AA).

This document is equivalent to IEC 60335-2-86:2018 "Safety of Household and Similar Electrical Appliances Part 2-86.Characteristics of Electric Fishing Devices" Special Requirements.

The following minimal editorial changes were made to this document.

--- In order to enhance the coordination of the standard system, the name of the standard is changed to "Safety of Household and Similar Electrical Appliances Part 103: Electric Capture Special requirements for fishing gear.

Introduction

GB/T 4706 "Safety of Household and Similar Electrical Appliances" adopts most of IEC 60335.On this basis, GB/T 4706 refers to the structure of IEC 60335 is divided into several parts, consisting of general requirements and special requirements. GB/T 4706 consists of several parts.

The first part is general requirements, and the other parts are special requirements. For products covered by special requirements, their safety requirements are the same as general requirements.

The special requirements are used in conjunction with the general requirements, which

include supplements and modifications to the corresponding clauses in the general requirements to provide Complete product requirements.

This document is the protection requirements for electrical, mechanical, thermal, fire and radiation risks that the appliance should have when used normally in accordance with the instructions for use.

This document also covers abnormal conditions that may occur during use and considers how electromagnetic interference may affect the safe operation of the equipment.

This document has taken into account the requirements specified in GB/T 16895 "Low Voltage Electrical Installations". The appliance is connected to the power supply in accordance with the electrical wiring rules.

requirements are coordinated.

If multiple functions of an appliance involve other parts of GB/T 4706, the other parts shall apply to the respective functions as long as it is reasonable.

For each function of the appliance, if applicable, the effect of one function on other functions shall be considered.

When no additional requirements are given in other parts for hazards already included in this document, GB/T 4706.1 applies.

GB/T 4706 is a standard covering appliance safety and takes precedence over general standards/horizontal standards covering the same subject.

This document is used in conjunction with GB/T 4706.1-2024 "Safety of Household and Similar Electrical Appliances Part 1: General Requirements".

The part marked "applicable" in the document indicates that the corresponding clauses in GB/T 4706.1-2024 are applicable to this document; the part marked "replaces" in this document indicates that the corresponding clauses in GB/T 4706.1-2024 are applicable to this document.

For the parts marked as "added" in this document, in addition to complying with GB/T 4706.1-2024, the provisions in this document shall prevail.

In addition to the corresponding clauses, the clauses added in the clauses of this document must also be complied with; the part of this document marked "modified" means that in GB/T 4706.1-the relevant provisions of 2024 will be modified.

Safety of household and similar electrical appliances Part 103: Particular requirements for electric fish traps