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

GB/T 34272-2017

Replacing GB/T 34272-2017

**Specification for safety of small amusement device
(English Translation)**

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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 replaces GB/T 34272-2017 "Safety Specifications for Small Amusement Facilities". Compared with GB/T 34272-2017, the main differences are in the structural

design.

Aside from integration and editorial changes, the main technical changes are as follows.

---The scope has been changed, and the scope of non-applicability of the standard has been expanded (see Chapter 1, Chapter 1 of the 2017 edition);

---The definition of small amusement facilities has been changed, and the definitions of handrails, guardrails, fences, easy access, and difficult access have been removed (see section 3).

(Chapters 3.1, 3.2, 3.3, 3.4, 3.5, and 3.6 of the 2017 edition)

---The requirements for flood prevention design have been changed (see 4.1.3, 5.1.4 in the 2017 version);

---The environmental requirements have been changed (see 4.1.4, 5.1.5 in the 2017 version);

---A definition of visibility has been added (see 4.1.5), and the requirement for invisible sections of straight slides and spiral slides has been removed (see the 2017 version).

5.1.6);

---The platforms, walkways, and other components of small amusement rides should have anti-slip measures (see 4.1.6);

---The requirement has been added that there should be no dark areas in the play area of small amusement facilities during use (see 4.1.7);

---Added requirement that small amusement facilities with climbing and fall hazards should have anti-climb design (see 4.1.8);

---The basic requirements for materials have been revised, incorporating clauses from the original standard's general principles (see 4.2.1, Chapter 4 of the 2017 edition);

---The limits for hazardous substances have been changed; the lead content in coatings has been changed to total lead content, and the phthalate content has been changed (see 4.2.3).

The 2017 version (4.3) added requirements for formaldehyde emission from engineered wood products (see 4.2.3);

---The structural integrity of small amusement facilities with a platform height not exceeding 3000mm should be determined using design calculations and physical measurements.

The requirement for verification using a trial-and-error method or a combination of both (see 4.3.1, 5.2.2 of the 2017 edition);

---The structural integrity of small amusement facilities with a platform height greater than

3000mm should be determined using design calculations (see 4.3.2);

---The load values for small amusement rides have been changed (see 4.3.3, 5.2.1 in the 2017 version);

---Design calculation requirements have been added (see 4.3.4);

---The fatigue testing requirements have been changed (see 4.3.6, 5.2.5 in the 2017 version);

---Changed "Adult Accessibility" to "Emergency Evacuation" (see 4.4, 5.3 in the 2017 version), adding requirements for emergency evacuation (see...).

4.4.3, 4.4.4, 4.4.5, 4.4.6, 4.4.7);

---The requirements for fall protection have been changed (see 4.5.1, 5.4.1 in the 2017 version);

---Standing surfaces with a drop height greater than 3000mm should be designed as enclosed structures with good visibility.

(See 4.5.4.7);

---Changed "pinch hazard" to "pinch protection", and modified the "basic requirements" in "pinch protection" (see 4.8.1, 5.7.1 in the 2017 version);

---The requirement for "pinch protection of the head and neck" has been changed (see 4.8.2, 5.7.2 in the 2017 version);

---The requirement for "body crush protection" has been changed (see 4.8.3, 5.7.3 in the 2017 version);

---The requirement for "finger pinch protection" has been changed (see 4.8.5, 5.7.5 in the 2017 version);

---Changed "Entanglement Hazard" to "Entanglement Protection" to address hazards that could lead to clothing or hair entanglement (see 4.9.1, 2017).

Version 5.8.1);

---The detection requirements for the entanglement hazard of accessible surface protrusions during non-voluntary movement have been changed (see 4.9.3, 2017 version).

5.8.3);

---Added a definition for involuntary motion (see 4.11.2.3); modified the examples of the slide's fall space and free space (see 4.11.2.3).

(Version 5.10.2.3 from 2017)

---The extent of the collision avoidance zone has been changed (see 4.11.2.4, version