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

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**Ski area-Safety requirements and test methods for protective
mats**

滑雪场地 防护垫的安全要求和试验方法

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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.

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.

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Safety requirements and test methods for ski resort protective mats

1 Scope

This document defines the terms and definitions of protective pads, specifies the classification, requirements, marking and product instructions, and describes the test methods.

This document applies to the safety performance testing during the design, production and sales of protective mats used in ski resorts.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

HG/T 2580-2022 Determination of tensile strength and elongation at break of rubber or plastic coated fabrics

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Protective pad protective pad

A cushion used to protect skiers and to wrap or isolate objects that pose a risk of collision during skiing.

Note. Protective pads generally consist of surface coverings (jackets), energy absorbing materials and connectors.

4 Categories

According to the use position or impact force, protective pads are divided into Class I and

Class II.

- Type I protective pads are placed at locations with faster sliding speeds or greater impact forces, such as obstacles on ski slopes;
- Type II protective pads are placed at locations where the sliding speed is slow or the impact force is small, such as the end of the stop zone.

5.1 Basic requirements

- 5.1.1 The color of the protective mat should be a single color of blue, orange or red.
- 5.1.2 The surface of the protective pad should be flat, clean, and free of cracks or damage.
- 5.1.3 Suture stitches should be uniform and consistent, without missed stitches, skipped stitches or sharp corners.
- 5.1.4 During normal use, there should be no odor that can be detected by the senses.

5.2.1 Shock absorption

The impact absorption performance of the protective pad shall meet the following requirements.