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

GB 19079.29-2013

**Operation conditions and technical requirements for
gymnasium and playground-Part 29: Ice climbing place**

体育场所开放条件与技术要求 第29部分：攀冰场所

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Foreword

All technical content in this Part of GB 19079 is mandatory. GB 19079 "sports venues open conditions and technical requirements" is divided into the following sections.

- Part 1. swimming places;
- Part 2. Karting place;
- Part 3. Bungee place;
- Part 4. rock climbing places;
- Part 5. Skating place;
- Part 6. skiing;
- Part 7. figure skating place;
- Part 8. Shooting place;
- Part 9. Archery place;
- Part 10. Dive sites;
- Part 11. rafting place;
- Part 12. gliding wing place;
- Part 13. Balloon and Airship place;

1 Scope

GB 19079.29-2013 is the Chinese national standard on operation conditions and technical

requirements for gymnasium and playground-part 29: ice climbing place, in the field of domestic and commercial equipment, entertainment, sport. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 31 December 2013 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 December 2014. Classification: ICS 97.220, CCS Y55. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

GB 19079 of the provisions of this part of the climbing sports should have the basic conditions for open and basic technical requirements. This section applies to all types of sport climbing places open to the public.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 23268.1 sports protective equipment requirements - Part 1. Dynamic mountaineering rope

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Sport climbing iceclimbing On the ice wall formed naturally or artificially constructed for the climbing activities.

3.2 Ice climbing places iceclimbingplace A venue to meet people climbing sports training, competition, fitness and leisure activities. Including naturally formed ice waterfall, glacier ice Climbing wall and other natural breaks and artificially constructed ice climbing sites.

3.3 Ice climbing technical equipment techniquequipmentforiceclimbing Carry equipment when climbing sports use. Including ropes, belts, helmets, carabiners, slings, protection, ice ax, crampons, ice picks and so on.

3.4 Ice climbing technical guidance personnel iceclimbinginstructor Teach the theory and technical ice climbing, ice climbing instructors to carry out activities.

4 Qualifying

Ice climbing technical guidance personnel should hold the relevant national vocational

qualification certificate before taking. 5 places, facilities and conditions

5.1 Nature climbing places

5.1.1 shall meet the horizontal distance between the adjacent climbing not less than 3m.

5.1.2 complete freeze ice wall should be placed piton protection Equip.

5.1.3 Each top-set force protection system should not be less than 8kN.

5.2 Artificial climbing places

5.2.1 shall meet the horizontal distance between the adjacent climbing not less than 3m.

5.2.2 Each top protection system should be connected to the support structure, and the discontinuity of less than 8kN.

5.2.3 should be frozen ice wall complete, and has strong support structure.

5.3 Technical climbing equipment

5.3.1 The climbing rope should be used to protect Dynamic mountaineering ropes. Dynamic mountaineering rope technical indicators should be consistent with GB/T 23268.1 requirements.

5.3.2 crampons, ice axes, ice picks, helmets, seat belts, locks and other equipment should be climbing sling special products, with a quality product inspection Proof, and periodic inspection.

6 Security

6.1 should establish and improve the safe production responsibility system for posts, rescue and safety management system, equipment and facilities maintenance system, environmental management and health system.

6.2 should develop emergency response plans.

6.3 During the open should be provided with at least one technical climbing instructors.

6.4 should be equipped with "ice climbing event INSTRUCTIONS" prominently on matters related to safety and special requirements to make real clear instructions and warnings Shows, and safety tips.

6.5 induction climbing places employees should wear clearly marked.