

ICS 13.220.10
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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 21976.1-2008

Escape apparatus for building fire -- Part 1: Equipping guide

建筑火灾逃生避难器材 第1部分：配备指南

(English Translation)

Issued on: June 4, 2008

Implemented on: June 1, 2009

Issued by: Standardization Administration of China

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Foreword

This section 5.6,6,7,9 mandatory provisions, the rest are recommended provisions.

GB 21976 "building fire escape evacuation equipment" is divided into the following sections.

- Part 1. with a guide;
- Part 2. escape ease down;
- Part 3. escape ladder;
- Part 4. escape slide;
- Part 5. emergency escape device;
- Part 6. escape justice;

--- Part 7. Fire filter self contained breathing apparatus;

--- Part 8. Chemical Oxygen fire self contained breathing apparatus;

This section GB Part of 121,976.

Appendix A of this section is an informative annex.

This section presents the People's Republic of China Ministry of Public Security.

This part of the National Standardization Technical Committee of the Fifth Fire Technical Committee (SAC/TC113/SC5) centralized.

This section is responsible for drafting unit. Shanghai Fire Research Institute of Ministry of Public Security.

Participated in the drafting of this section. Zhejiang Fire Brigade, Fire Brigade in Jilin Province.

1 Scope

This section GB 21976 specifies the building with fire escape evacuation equipment, installation, inspection, replacement, retirement and other requirements.

This section applies to all types have been built, new construction, expansion, renovation of crowded public buildings, such as hotels, restaurants, shopping malls, halls and other places.

All types of residential buildings may be performed with reference to this section.

2 Normative references

The following documents contain provisions which, through reference in this Part of GB 21976, constitute provisions of this part. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB 50016 architectural design code for fire protection GB 50045 Code for fire protection design of tall buildings GA654 crowded places fire safety management

3 Terms and Definitions

The following terms and definitions apply to this section.

In the case of building fire, auxiliary equipment escape fire escape of persons in distress when used (such as escape ease down, escape ladders, Escape chute, etc.).

Also known as life-saving relief to drop, a user automatically drop by its own weight at a certain speed and can be used to escape the reciprocating equipment.

Fixed type escape ladders and escape ladders hanging collectively.

3.3.1

And buildings fixedly connected user by gravity down automatically at a certain speed and can be recycled for use of a metal ladder.

3.3.2

Expanded suspended facades altar user's own ladder to climb one kind of escape.

User by weight at a certain rate of decline escape a flexible channel.

User by gravity drop at a constant speed and has a braking function of single-use escape equipment.

For the user to grip downhill escape fiber ropes.

For the fire filter self contained breathing apparatus and chemical oxygen fire self contained breathing apparatus collectively.

4 Equipment Category

4.1

Press equipment structure can be divided into.

- a) cord. as escape ease down, emergency escape devices, escape justice;
- b) slide. such escape slide;
- c) Ladder. such as fixed escape ladder, escape ladders suspended;
- d) Respirator. such as fire filter self contained breathing apparatus, fire chemical oxygen self contained breathing apparatus.

4.2

by work equipment can be divided into.

- a) a single person escape. such escape ease down, emergency escape devices, escape rope, hanging escape ladders, fire filter self contained breathing apparatus, chemical Oxygen self contained breathing apparatus and other fire;
- b) people escape. such as escape chute, escape ladders and other stationary.

5 with

5.1 Applications

5.1.1

cord, slide type, or escape ladder etc. evacuation equipment is suitable for two-story and two-story buildings crowded public floors above.

5.1.2

refuge escape respirator class equipment is suitable for floor and second floor crowded public buildings above ground floors and public buildings.

5.2 Applicable floor (height)

5.2.1

escape chute, fixed escape ladders should be equipped with not more than 60m in the floor; the escape ease down shall be provided with not more than 30m in in the floor; hanging escape ladders, emergency escape shall be equipped with not more than 15m in the floor; the escape rope shall be equipped with not more than 6m floor Inside. Protection should be equipped with a lot of time in the ground floor can be equipped with filter self contained breathing apparatus or chemical oxygen self-contained breathing apparatus, the floor above 30m in 20min of self contained breathing apparatus. Underground construction should be equipped with chemical oxygen self-contained breathing apparatus. Escape evacuation equipment is equipped with floor (height) in Table 1.

5.2.2

Additional escape evacuation equipment with floor (height) specify the reference to national quality inspection test report issued by the agency determined.

Table 1 apply to equipment escape evacuation floor (height)

equipment

Stationary

Escape ladder

Escape chute

escape

Ease down

hanging

Escape ladder

Emergency

Escape device