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

GB/T 39078.1-2020

**Safety requirements for escalators and moving walks - Part 1:
Essential safety requirements**

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Foreword

GB/T 39078 "Safety Requirements for Escalators and Moving Walks" is divided into the following two parts.

---Part 1. Basic safety requirements;

---Part 2. Safety parameters that meet basic safety requirements.

This part is Part 1 of GB/T 39078.

This section was drafted in accordance with the rules given in GB/T 1.1-2009.

This part uses the redrafting law to amend and adopt ISO /T S25740-1.2011 "Safety requirements for escalators and moving walks-Part 1.

Global Basic Safety Requirements (GESR).

Compared with ISO /T S25740-1.2011, this part has made the following structural adjustments.

---The introduction and scope are numbered for ease of application.

The technical differences between this part and ISO /T S25740-1.2011 and the reasons are as follows.

---Regarding normative reference documents, this section has made adjustments with technical differences to adapt to my country's technical conditions and adjustments.

The situation is collectively reflected in Chapter 2 "Normative Reference Documents", and the specific adjustments are as follows.

* Replace ISO /IEC Guide51.2014 with the modified GB/T 20002.4-2015 which adopts international standards (see 4.2.1,

4.3, 5.3.1);

* Replace ISO /T S14798.2006 with GB/T 20900-2007 equivalent to the international standard (see 4.2.3, 4.3,

5.2.1, 5.2.2.2, 5.2.3, 5.2.4.1, 5.2.5, 5.3.3.1, 5.3.3.2.2).

This section has made the following editorial changes.

---In the source label defined in 3.8, 3.9, 3.10, 3.11, 3.24, 3.25 and 3.26, GB/T 20900-2007 is replaced

ISO /IEC Guide51.1999; In 3.4, 3.5 and 3.28, the source of the definition is marked; in 3.7, a note is added.

---ISO /T S25740-1.2011 Chapter 4 is about the background, approach and method of the formulation of this international standard, which is suitable for listing in the introduction

In order to facilitate the application, this section still retains the chapter. However, the content that is not suitable for my country's national conditions has been deleted.

---The informative Appendix B has been deleted.

---Some references have been deleted.

This part was proposed and managed by the National Elevator Standardization Technical Committee (SAC/TC196).

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Group Co., Ltd., Shanghai Modern Elevator Manufacturing Co., Ltd., Xizi Elevator Technology Co., Ltd., Hangzhou Theo Elevator Co., Ltd., Giant Tong

Elevator Co., Ltd., Guangzhou Guangri Elevator Industry Co., Ltd., Suzhou Inovance Technology Co., Ltd., Kunshan Tongyou Elevator Co., Ltd., Shenlong Electric

Elevator Co., Ltd., Guangdong Suzuki Elevator Co., Ltd.

0.1 In the process of formulating GB/T 39078, GB/T 20900 is the basic tool.

The purpose of 0.2 GB/T 39078 is.

- a) For people who use escalators and moving walks or related to escalators and moving walks, a general safety level is specified.
- b) In order to promote the innovation of escalator and moving walk technology not covered by the current national standards, while ensuring that the same safety is maintained Level. If such innovations become applied technologies, they may be included in relevant safety standards in the future.
- c) In order to eliminate trade barriers.

0.3 Chapter 4 of this part of GB/T 39078 explains the ways and methods to formulate this part; Chapter 5 gives the use of basic safety requirements

Guidance for use and implementation; Chapter 6 is the basic safety requirements. Each basic safety requirement specifies a safety goal, namely. what to achieve without

How to do it. This allows future technological innovation and development; Appendix A gives

basic information related to the escalator and moving walk subsystem

Overview of safety requirements.

0.4 This part is the product safety standard in GB/T 20002.4-2015.

Safety requirements for escalators and moving walks

Part 1. Basic safety requirements

1.1 This part of GB/T 39078.

---Specifies the basic safety requirements for escalators and moving walks and their components and functions;

---Established a system and provided methods to reduce the safety that may occur during the use or operation of escalators and moving walks.

Full risk.

Note. See Chapter 5, which gives the understanding and implementation of this section.

1.2 This section applies to escalators and moving walks that carry people. These escalators and moving walks can.

a) Install in any permanent and fixed structure or building.

b) Has any.

1) Rated load, speed and carrier size; and

2) Lifting height.

c) Affected by fire in the carrier and weather conditions.

d) Misuse.

1.3 This section does not specifically consider.

a) All needs of disabled users 1). or

1) Although the basic safety requirements specified in this part of the risk assessment have been identified and assessed, it is not necessary to consider all the disability of the user

Or a combination of disability.

b) The following situations.

1) Installation, transformation and dismantling of escalators and moving walks;

2) Vandalism; and

3) A fire occurred in the external environment of the carrier.