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

GB/T 46749-2025

Urban rail transit platform screen door systems

城市轨道交通站台屏蔽门系统

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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. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the Ministry of Housing and Urban-Rural Development of the People's Republic of China. This document is under the jurisdiction of the National Technical Committee on Standardization of Urban Rail Transit (SAC/TC290). This document was drafted by: Fangda Zhiyuan Technology Co., Ltd., and the Electronic Computing Technology Research Institute of China Academy of Railway Sciences Group Co., Ltd. Research Institute, Beijing Jingwei Information Technology Co., Ltd., Guangzhou Metro Design & Research Institute Co., Ltd., China Railway Fourth Survey and Design Institute Group Co., Ltd. The company, Beijing Urban Construction Design & Development Group Co., Ltd., China Railway Design Group Co., Ltd., and Guangzhou Jiedu Science & Technology Group Co., Ltd. China Railway Electrification Survey and Design Institute Co., Ltd., Shenzhen Huiyeda Communication Technology Co., Ltd., Beijing Subway Operation Co., Ltd. Guangzhou Construction Engineering Quality and Safety Testing Center Co., Ltd. The main drafters of this document are. Cui Xingmin, Li Fan, Xiao Xugang, Wang Zhifei, Xiong Dongping, Luo Wei, Zhu

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1 Scope

GB/T 46749-2025 is the Chinese national standard covering the platform screen door - the alignment with the train and the tolerance the door has to absorb, the interlocking with the signalling that must not release until the train is stopped and correctly berthed, the obstacle detection, and the manual release for evacuation. First edition, under the Ministry of Housing and Urban-Rural Development. In force from 1 May 2026. Issued on 31 October 2025, it has been in force since 1 May 2026.

This document specifies the usage conditions, system composition, structural requirements, functional requirements, and performance requirements of platform screen door systems for urban rail transit stations. Requirements, safety requirements, interface requirements, test methods, inspection rules, marking and accompanying documents, as well as packaging, transportation and storage. This document applies to the design, manufacture, testing, and acceptance of platform screen door systems for urban rail transit stations.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 191 Packaging and Storage Graphic Symbols

GB/T 2828.1 Sampling Procedures for Inspection by Attributes - Part

1.Sampling Schemes Retrieved by Acceptable Quality Limit (AQL) for Lot-by-Lot Inspection

GB/T 6388 Shipping and receiving marks for transport packaging

GB/T 9254.1 Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers - Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Platform screen door; PSD Located at the edge of the platform, it isolates the

passenger waiting area from the track area and corresponds to the side door of the train passenger compartment, allowing for multi-level control of opening and closing. A continuous barrier to close the sliding door.

Note. Platform screen doors are classified into full-height platform screen doors and half-height platform screen doors according to their structural form. Full-height platform screen doors include both enclosed and non-enclosed structures. form. [Source: GB/T 50833-2012, 8.9.1, with modifications]