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

GB/T 46739-2025

**Baseline for information system security of urban rail transit
networks**

城市轨道交通网络信息系统安全基本要求

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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: the Third Research Institute of the Ministry of Public Security, the China Academy of Urban Planning and Design, the Shanghai Urban Public Security Research Center, and Shanghai... International Technology & Trade Joint Co., Ltd., Shanghai Shentong Metro Group Co., Ltd., Shanghai Saibaobao Information Technology Service Co., Ltd., China Railway Shanghai Design Co., Ltd. Design Institute Group Co., Ltd., Shanghai Daukentech Technology Co., Ltd., Shanghai Municipal Public Security Bureau Urban Rail and Public Transport Corps, Shanghai Jiaerdao Standardization Technical Service Co., Ltd., Shanghai Lianmai Information Technology Co., Ltd., Chongqing Municipal Public Security Bureau Rail Transit Branch, Sangfor Technologies Co., Ltd. Company, Shanghai Heyin Intelligent Digital Technology Co., Ltd., Zhejiang Haining Rail Transit Operation Management Co., Ltd., Qingdao Metro Group Co., Ltd., North Beijing QiMingXingChen Information Security Technology Co., Ltd., National High-Speed Train Qingdao Technology Innovation Center, CRRC Qingdao Sifang Locomotive & Rolling Stock Co., Ltd. The company, Shanghai Shentie Investment Co., Ltd., Shenzhou High-speed Railway Rail Transit Operation Management Co., Ltd., and Xi'an Rail Transit Group Co., Ltd. Branch offices, Nanjing

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This document provides general guidelines for the safe and compliant planning, design, construction, operation, and maintenance of urban rail transit network information systems. Requesting the file. This document, based on a summary of the number, types, network architecture, and functional characteristics of urban rail transit network information systems, takes as its core... Based on GB/T 22239 as a principle, and taking into account the characteristics of the urban rail transit industry, the relevant technical requirements for special systems are refined and strengthened. From both technical and managerial perspectives, this provides a framework for establishing a security protection system, ensuring the availability of information systems, and guaranteeing the integrity and confidentiality of data. in accordance with. Urban rail transit network information system Basic safety requirements

1 Scope

GB/T 46739-2025 is the Chinese national standard covering the security floor for a metro's systems - the separation of the signalling network from everything else, the access control and logging, the patching of equipment that cannot be taken out of service, and the response when an incident touches trains carrying passengers. First edition, under the Ministry of Housing and Urban-Rural Development, in force from 1 April 2026. It was issued on 2 December 2025 and has been in force since 1 April 2026, as a first edition. The document is under the responsibility of the Ministry of Housing and Urban-Rural Development. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the general requirements for the security of urban rail transit

network information systems, physical environment security requirements, and network and communication security requirements. Requirements include. security management center, computing environment security requirements, application and data security requirements, security extension requirements, and security management requirements. This document applies to the planning, design, construction, operation and maintenance, and network security of information systems in the construction and reconstruction of urban rail transit lines. Safety reinforcement and safety assessment work.

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 4208 Degrees of protection provided by enclosures (IP code)

GB/T 5271.8 Information Technology Vocabulary Part

3 Terms and Definitions

GB/T 5271.8, GB/T 20279, GB/T 22239, GB/T 22240, GB/T 25069, GB/T 31167, GB/T 31168, The terms and definitions defined in GB/T 37973, GB/T 39786 and GB 50157, as well as the following terms and definitions, apply to this document.

4 Emissions and immunity of signaling and communication equipment

GB/T 24338.6 Electromagnetic compatibility of rail transit - Part

5 Emissions and immunity of ground power supply equipment and systems

GB/T 25069 Information Security Technical Terminology

GB/T 31167 Information Security Technology - Cloud Computing Service Security Guidelines

GB/T 31168 Information Security Technology - Security Capability Requirements for Cloud Computing Services

GB/T 37973 Information Security Technology - Big Data Security Management Guidelines

GB/T 39786 Information Security Technology. Basic Requirements for Cryptographic

Applications in Information Systems

GB 50157 Metro Design Code

GB 50174 Data Center Design Specification

8 Security

GB 16807 Fire-resistant expansion seals

GB/T 20279 Network Security Technology - Technical Specification for Network and Terminal Isolation Products

GB/T 22239 Information Security Technology - Basic Requirements for Network Security Level Protection

GB/T 22240 Information Security Technology - Guidelines for Classification of Network Security Level Protection

GB 23864 Fireproof Sealing Materials

GB/T 24338.4 Electromagnetic compatibility of rail transit - Part 3-