

ICS 93.080
CCS A 91



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

GB/T 26718-2024

Replacing GB/T 26718-2011

Technical requirements for safety system of urban mass transit

城市轨道交通安全防范系统技术要求

Issued on: December 31, 2024

Implemented on: July 1, 2025

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

Table of Contents

Preface... III 1 Scope	1
2 Normative references	1
3 Terms and definitions	3
4 General Requirements	4
5 Technical requirements for video surveillance systems.....	5
5.1 General Principles	5
5.2 Front-end acquisition equipment	5
5.3 Network transmission switching equipment	6
5.4 Video Storage Devices	6
5.5 Display Devices	6
5.6 Application Management Platform	6
5.7 Image recognition and intelligent analysis applications based on video surveillance systems	7
6 Technical requirements for intrusion and emergency alarm systems	7
6.1 General Principles	7
6.2 Emergency Alarm System	8
6.3 Perimeter Intrusion Alarm System	8
7 Technical requirements for access control systems.....	8
7.1 General Principles	8
7.2 Reading Equipment	9
7.3 Execution Device	9
7.4 Management/Control Equipment	9
8 Technical requirements for intercom systems.....	10
8.1 General Principles	10
8.2 Intercom System	10
9 Technical requirements for electronic inspection system.....	10
10 Technical requirements for safety inspection and detection systems.....	10
10.1 General Principles	10
10.2 Explosives Detection Equipment	11
10.3 Toxic and harmful gas detection equipment.....	11
10.4 Radioactive Material Detection Equipment	11
10.5 Liquid Dangerous Goods Detection Equipment	11

10.6 X-ray inspection equipment	12
10.7 Human body safety inspection equipment	12
10.8 Dangerous Biological Factor Detection Equipment	13
11 Technical requirements for security integration platform	13
12 Technical requirements for temperature screening equipment	14
13 Physical Defense System Technical Requirements	14
14 Inspection and Acceptance	15
14.1 Test methods	15
14.2 Inspection Rules	15
14.3 Acceptance Rules	15
15 Maintenance	16
Appendix A (Normative) Equipment Detection Requirements	17
Appendix B (Normative) Inspection Methods	19

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting is required.

This document replaces GB/T 26718-2011 "Technical requirements for urban rail transit safety and prevention systems" and is compatible with GB/T 26718- Compared with 2011, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

The "Basic Requirements" for security systems have been changed (see Chapter 4, Chapter 4 of the 2011 edition); a) Include "safety, reliability, environmental adaptability and electromagnetic compatibility of rail transit safety and prevention systems" in the "overall requirements" (See Chapter 4, Chapter 16 of the 2011 edition);

b) Change "video security monitoring system" to "technical requirements for video monitoring system" (see Chapter 5, Chapter 5 of the 2011 edition); c) Added technical regulations on the functions and performance of various equipment in the "video surveillance system" (see 5.2 to 5.6), and deleted the "various areas" Camera shooting requirements" (see 5.3 of the 2011 edition);

d) Changed the content related to "Face recognition system based on video security monitoring system" (see 5.7, 5.4 of the 2011 edition); e) Added "Video Intelligent Analysis Application" (see 5.7.2); f) Change "intrusion alarm system" to "technical requirements for intrusion and emergency alarm systems" (see Chapter 6, 2011 edition,

6);

g) Change "manual emergency alarm function of the intrusion alarm system" to "emergency alarm system" (see 6.2, 2011 edition) 6.3);

h) Change "Requirements for high-voltage electronic pulse fence perimeter intrusion detection system" to "Perimeter intrusion alarm system" (see 6.3, 6.4 of the 2011 edition);

i) Added technical regulations on the functions and performance of various equipment of "access control system" (see 7.2~7.4); j) Added the chapter "Technical Requirements for Intercom Systems" (see Chapter 8); k) Changed the provisions of "Technical requirements for electronic inspection systems" (see Chapter 9, Chapter 8 of the 2011 edition); l) Added a chapter on "Technical requirements for safety inspection and detection systems" and revised the 2011 edition of "Portable explosive detection equipment" and "Drug detection equipment".

Gas Detection System", "Radioactive Material Detection System", "Flammable Liquid Detection System" and "X-ray Security Inspection Equipment" Incorporated after revision (see Chapter 10, Chapters 9 to 13 of the 2011 edition);

m) Added technical regulations for "human safety inspection equipment" (see 10.7); n) Added technical regulations for "hazardous biological agent detection equipment" (see 10.8); o) Added a chapter on "Technical Requirements for Security Integration Platform" (see Chapter 11); p) Added a chapter on "Technical requirements for temperature screening equipment" (see Chapter 12); q) The provisions of "Technical requirements for physical defense systems" have been changed (see Chapter 13, Chapter 14 of the 2011 edition); r) Deleted "Security Control Room Requirements" (see Chapter 15 of the 2011 edition); s) Change "inspection, acceptance and operation and maintenance of rail transit safety and prevention systems" to "inspection and acceptance" and "maintenance and Maintenance", added product inspection requirements, and changed the acceptance and maintenance regulations (see Chapter 14 and Chapter 15, 2011 Edition Chapter 16 of);

t) Added the normative appendix "Equipment detection requirements" (see Appendix A); u) Added the normative appendix "Test methods" (see Appendix B). v) Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the 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/TC 290).

This document was drafted by: The Third Research Institute of the Ministry of Public Security, Shanghai Urban Public Security Research Center, China Academy of Urban Planning and Design, Shanghai Shentong Metro Group Co., Ltd., China Railway Shanghai

Design Institute Group Co., Ltd., Fuzhou Metro Group Co., Ltd., Tianjin Metro Group Co., Ltd., Shanghai Public Security Bureau, Tianjin Public Security Bureau Public Transportation Security Branch (Tianjin Public Security Bureau Public Transportation Security Administration Team), Chongqing Public Security Bureau Rail Transit Branch, Hangzhou Public Security Bureau Subway Public Security Branch, CRRC Zhuzhou Electric Locomotive Co., Ltd., Shanghai Big Data Co., Ltd., Shanghai International Technology and Trade Union Co., Ltd., Shanghai Dokenqi Technology Co., Ltd., Beijing Collaborative Innovation Rail Transit Research Institute Co., Ltd., Shanghai Tunnel Engineering Rail Transit Design Institute, Hangzhou Hikvision Digital Technology Co., Ltd., Zhejiang University Huawei Technologies Co., Ltd., Shanghai SilverStone High-Tech Development Co., Ltd., Guangzhou Mylon Information Technology Co., Ltd., Hangzhou Xinying Technology Technology Co., Ltd., Weisi Technology (Beijing) Co., Ltd., Huawei Technologies Co., Ltd., ZTE System Technology Co., Ltd., Beijing Zhihui Yunzhou Technology Co., Ltd., Guoke Zhonghe Innovation Group Co., Ltd., Zhongbao Huaan (Shanghai) Security Service Co., Ltd., Shanghai Guangtuo Information Technology Co., Ltd., Anhui Zhongke Terahertz Technology Co., Ltd., Shanghai Yingweiya Security Technology Co., Ltd., Yonglong Intelligent Technology (Shanghai) Co., Ltd.

Company, Shanghai Center for Disease Control and Prevention, Shanghai Tongji Hospital.

The main drafters of this document are: Zhou Zuoying, Ren Hai, Fu Yuanlei, Chang Qingqing, Chen Yanshen, Gu Zhengyi, Zhang Lidong, Li Weijiao, He Wei, Zhang Ming, Hu Zhiyi, Xu Xiao, Wang Weihua, Chen Jiamin, Cheng Yunfei, Li Ang, Zhang Jin, Zhou Ming, Huang Wenqi, Chang Yuan, Jin Jie, Gong Lu, Shen Tianming, Ren Shengxiang, Lin Xiaobo, Zheng Ziwu, Hou Ankang, Chen Kangzhi, Lan Tao, Zeng Lin, Chen Zongjia, He Jie, Wu Chunfeng, Huang Xiaoyan, Zhou Genhua, Lin Xinwei, Xie Weihua, Yang Yun, Bai Xin, Yue Wei, Zhang Yanlin, Cheng Dong, Wang Yi, Yao Ying, Wang Yanping, Wu Hao, Chen Nan, Shan Xiaoqiang, Song Youcai, Zheng Huarong, Du Shuying, Zhang Ze, Wang Qiaoxue, Zhang Xueqian, Cui Fengke, Xie Qinglu, Yang Minghui, Qian Rong, Xie Baoxun, Peng Zhichao, Zhao Yibin, Tang Hui, Xiao Jianhua, Yu Tao, Chen Hongxu, Yin Wei, Zhou Zaifu, Chen Jiafu, Huang Ying, Wang Lei, Wang Yong, Liu Haiqing, Zhang Xuemei, Sui Guodong, Miao Jungang, and Yu Yong.

This document was first published in 2011 and this is the first revision.

Technical requirements for urban rail transit safety and prevention systems

1 Scope

This document specifies the overall requirements for urban rail transit security systems, video surveillance systems, intrusion and emergency alarm systems, access Entrance control system, intercom system, electronic patrol system, safety inspection and detection system, security integration platform, temperature screening equipment, physical defense Technical requirements, inspection and acceptance, and maintenance requirements.