

ICS 35.240.01

CCS L 70



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

**GB/T 43581-2023**

---

**Smart city-General requirements for public health emergency  
management platform**

智慧城市 突发公共卫生事件应急管理平台通用要求

**Issued on: December 28, 2023**

**Implemented on: July 1, 2024**

---

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

## Table of Contents

|                                              |    |
|----------------------------------------------|----|
| Preface                                      | 1  |
| 1 Scope                                      | 1  |
| 2 Normative references                       | 1  |
| 3 Terms and Definitions                      | 1  |
| 4 Overview                                   | 2  |
| 5 Basic functional framework of the platform | 2  |
| 6 data                                       | 3  |
| 6:1 Data collection                          | 3  |
| 6:2 Data processing and transmission         | 4  |
| 6:3 Data Analysis                            | 4  |
| 6:4 Data usage                               | 4  |
| 6:5 Data Governance                          | 5  |
| 7 Service requirements                       | 5  |
| 7:1 Basic requirements                       | 5  |
| 7:2 Emergency plan handling                  | 6  |
| 7:3 Prevention and emergency preparedness    | 6  |
| 7:4 Reporting and information release        | 6  |
| 7:5 Emergency treatment                      | 6  |
| 7:6 Restoration of order                     | 8  |
| 8 Interface requirements                     | 8  |
| 9 Operation and maintenance requirements     | 9  |
| 10 Safety requirements                       | 9  |
| Reference                                    | 11 |

## 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 be subject to patents: The publisher of this document assumes no responsibility for identifying patents:

This document is proposed and coordinated by the National Information Technology Standardization Technical Committee (SAC/TC28):

This document was drafted by: Tencent Cloud Computing (Beijing) Co., Ltd., Beijing Telecom Planning and Design Institute Co., Ltd., China Electronics Technology Standardization Research Institute, Huawei Technologies Co., Ltd., Shenzhen Institute of Standards and Technology, Shandong Inspur New Infrastructure Technology Co., Ltd., China Electronics Technology Co., Ltd:

Smart City Research Institute Co., Ltd., Shenzhen Longhua District Government Service Data Management Bureau, China Mobile Xiongan Information and Communications Technology Co., Ltd., Chengdu Qinchuan Internet of Things Technology Co., Ltd., Shenzhen Huaao Data Technology Co., Ltd., Shanghai Digital Industry Development Co., Ltd., Beijing Communications University, Hangzhou Hikvision Digital Technology Co., Ltd., Construction Comprehensive Survey Research and Design Institute Co., Ltd., Shanghai SenseTime Intelligent Technology Co., Ltd:

Co., Ltd., Renhe Urban Management Group Co., Ltd., Hubei Institute of Standardization and Quality, Shandong New Generation Standardization Research Institute Co., Ltd., Renmin University of China, Zhongruixin Digital Technology Co., Ltd., Sino-foreign Construction Information Co., Ltd., China Unicom Smart City Research Institute, Beijing Enterprises Urban Environmental Services Group Co., Ltd., Chongqing Xinke Design Co., Ltd., Shanxi Cloud Times Smart City Technology Development Co., Ltd:

The main drafters of this document: Zhang Qun, Huang Chao, Peng Gefei, Xiang Lei, Wang Xuehui, Liu Wen, Cui Hao, Wang Yiqun, Wang Jue, Zhang Hongwei, Yuan Yaowen, Sun Jinlu, Zhu Runsu, Wang Qianyi, Zheng Qingguo, Shao Zehua, He Xuheng, Xiong Ziwei, Wang Wei, Chen Wu, Su Ying, Jiang Hui, He Huan, Zhang Guodong, Li Yun, Li Linlu, Li Wenyu, Gao Wanli, An Xiaomi, Zhou Bo, Wang Huafeng, Zeng Xinke, Lian Yihang, Zhang Guoqiang, Shang Zhiyu, Li Wendong, Zhang Jianhua, Mao industry advances, yin nourishes yang:

Smart city public health emergencies emergency management General platform requirements

## 1 Scope

This document establishes the basic functional framework of the public health emergency emergency management platform, including data, services, interfaces, operation and maintenance, and security and other basic functions, stipulates the general requirements for these basic functions:

This document is suitable for guiding the design, construction, operation and maintenance of the emergency management platform for public health emergencies:

## 2 Normative reference documents

GB/T 22239-2019

GB/T 28827

GB/T 31722-2015

GB/T 35273-2020

GB/T 36344-2018

GB/T 39786-2021

GB/T 41479-2022

### 3 Terms and definitions

The following terms and definitions apply to this document: 3:1 A major infectious disease epidemic, a mass disease of unknown origin, or a serious epidemic that occurs suddenly and causes or may cause serious damage to public health:

Large food and occupational poisonings and other events that seriously impact public health:

Examples: respiratory infectious diseases, plague, cholera, food poisoning, etc: 3:2 emergency management emergency management A series of organized and planned management activities carried out by the government and relevant departments to prevent and respond to emergencies:

Note: Including dynamic processes such as prevention, early warning, disposal, and recovery of health emergencies: 3:3 platformplatform The combination of software systems and hardware that make up the operating environment in which programs run:

[Source: ISO /IEC /IEEE26513:2017,3:30, modified]