

ICS 35.240.01
CCS L77



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

GB/T 44229-2024

**Basic requirements of community service system based on
cloud computing in major public health emergency**

基于云计算的重大突发公共卫生事件中社区服务系统基本要求

Issued on: August 23, 2024

Implemented on: August 23, 2024

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

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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. 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 and coordinated by the National Technical Committee for Information Technology Standardization (SAC/TC 28). This document was drafted by: Tencent Cloud Computing (Beijing) Co., Ltd., China Electronics Technology Standardization Institute, Sangfor Technologies Co., Ltd. Co., Ltd., Beijing Teamsun Technology Co., Ltd., Beijing Baidu Netcom Technology Co., Ltd., Neusoft Group Co., Ltd., Puyuan Information Technology Co., Ltd., Yunhong Information Technology Co., Ltd., Inspur Electronic Information Industry Co., Ltd., China Science Automation Research Institute of the Academy of Sciences, China

Mobile System Integration Co., Ltd., Inspur Cloud Information Technology Co., Ltd., National Application Software Product Quality Inspection and Testing Co., Ltd. center. The main drafters of this document are. Yang Liyun, Chen Xing, Wang Yongxia, Dai Wei, Liu Chen, Hu Haibin, Liang Gang, Tian Xiaoli, Zha Li, Zhao He, Liu Feng, Liu Xiang, Meng Qingyu, Liu Qiao, Zhang Bailin, Di Heliang, Lü Yisheng, Wang Jing, Yang Jiali, Cai Weiwei, Zhang Min, Ren Fengli. Cloud computing-based major public health emergencies Basic requirements of community service system

1 Scope

GB/T 44229-2024 specifies the community-level service system used during a major public health emergency, and it was written out of recent and direct experience. When an emergency reaches the neighbourhood, the community becomes the operational unit: registering residents, arranging testing, distributing supplies, managing access, and tracking who needs help. During the pandemic these systems were built in days, by whoever was available, and they failed in ways that were consistent across the country - they collapsed under load exactly when they were needed, they could not exchange data with the health authority above them, and they collected personal information with no defined boundary on its use or its retention. Cloud deployment addresses the load problem but not the others by itself. This document establishes a reference framework for cloud computing-based community service systems in major public health emergencies, defining the user layer, the application layer and the data layer and the functional requirements of each. Under ICS 35.240.01 and CCS L77, it is written for local government and community organisations, for the platform vendors who build these systems, and for public health authorities.

This document establishes a reference framework for cloud computing-based community service systems in major public health emergencies, defining the user layer, application Functional requirements of the user layer and data layer, as well as requirements for personal information and privacy protection. This document applies to the design, implementation, operation, maintenance and application of community service systems in major public health emergencies based on cloud computing.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies. in this document.

GB 18030-2022 Information technology Chinese coded character set

GB/T 32400-2015 Information technology - Cloud computing - Overview and vocabulary

3 Terms and definitions

The terms and definitions defined in GB/T 32400-2015 and the following apply to this document.

3.1 Community A living community with various social relations composed of people living in a certain area. [Source: GB/T 20647.1-2006, 3.1]

3.2 major public health emergency Sudden outbreaks of major infectious diseases, group diseases of unknown causes, serious Major food and occupational poisoning and other incidents that seriously affect public health.

Note. This covers major events that occur suddenly and cause serious damage to the health of the public, such as the COVID-19 epidemic, plague, cholera, food poisoning, etc.

3.3 community service systemcommunity service system Integrate community management and services through information and communication technology to optimize and reorganize community management and service model processes, and make full use of A system that uses various information resources to provide management and services to community residents. [Source: GB/T 31490.1-2015 2.4, modified]

4 Abbreviations

The following abbreviations apply to this document. APP: Application API. Application Program Interface CSRF. Cross-site Request Forgery