

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

CJ/T 174-2003

**Technological classification of community intellectualization
system**

居住区智能化系统配置与技术要求

(English Translation)

Issued on: July 21, 2003

Implemented on: December 1, 2003

**Issued by: Ministry of Housing and Urban-Rural Development of the
People's Republic of China**

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Foreword

The construction of intelligent system in residential areas should adopt modern information technology and network on the basis of reasonable control of cost and implementation of national construction standards.

Network technology and control technology. Meet the needs of households and property management. The construction of the intelligent system of residential areas should carry out the overall design and distribution.

The principle of step implementation. Energy, ecology and environmental protection in residential areas should be considered. Especially related to building structures, such as pipelines, equipment and electronics Design and construction of product installations should meet the needs of future development.

This standard proposes the basic configuration and optional configuration of the intelligent system construction of residential areas, which is the basis for developers to select intelligent systems.

Appendix A and Appendix B are informative annexes.

This standard was proposed by the Institute of Standards and Ratings of the Ministry of Construction.

This standard technology is under the jurisdiction of Shanghai Real Estate Science Research Institute, the real estate standard technology of the Ministry of Construction.

This standard is mainly drafted by. Ministry of Construction Housing Industry Promotion Center, China Academy of Building Research.

1 Scope

This standard specifies the intelligent system configuration and technical requirements of residential areas. Mainly includes definition, technical classification, construction requirements, technology Requirements, security subsystems, management and monitoring subsystems, and communication network subsystems.

This standard is applicable to the intelligent system of residential areas, and can be used as a real estate developer to construct intelligent residential area selection systems and subsystems.

According to the basis.

This standard is applicable to the construction of a new residential area intelligent system. The existing residential area is only used as an intelligent system.

reference.

Fire safety and flammable gas leakage, etc., shall comply with the relevant national regulations and standards.

2 Reference standard

The terms in the following documents become the terms of this standard by reference to this standard. All dated references, followed by Some amendments (not including errata content) or revisions do not apply to this standard. However, parties to agreements based on this standard are encouraged to Whether the latest version of these files can be used. For undated references, the latest edition applies to this standard.

GB 50198 Civilian closed-circuit surveillance television system engineering technical specification

3.1 Intelligent residential area

It refers to a residential area equipped with an intelligent system, which achieves an organic combination of building structure and intelligent system, and can pass effective management and service.

To provide residents with a safe, comfortable and convenient living environment.

3.2 Residential area intelligent system

It is a system that integrates products and technologies in modern high-tech fields into residential areas. Security subsystem, management and monitoring the subsystem and the

communication network subsystem are composed.

3.3 System Integration

Is to integrate the subsystems in the intelligent system of the residential area, or the functional modules in the subsystem, physically, logically and functionally together Realize the sharing of information and resources.

3.4 Broadband Access Network

Provide access network for broadband services in residential areas. Generally divided into LAN broadband access network, HFC broadband access network and ADSL wide and narrow band Three types of integrated access networks.

3.5 LAN Broadband Access Network

Utilize traditional LAN technology to provide broadband access for residential areas with exclusive bandwidth of 10M or more. At the same time with user management, User authentication and billing management, user security management, and business management.

3.6 HFC Broadband Access

Utilize fiber-optic coaxial network to transmit broadband data over a two-way HFC network by means of modem technology and data communication technology Broadband access in residential areas.

3.7 DSL broadband access (VDSL, ADSL, etc.) Using ordinary telephone lines to achieve broadband Internet access and providing local area networking capabilities is a better solution for providing broadband access to residential areas.

4 Abbreviations

CE (CircuitEmulation). Circuit simulation.