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

GB 26875.5-2011

Replacing GB/T 26875.5-2011

**Remote-monitoring system of urban fire protection - Part 5:
Functional requirements for receiving software**

城市消防远程监控系统 第5部分：受理软件功能要求

(English Translation)

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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.

This document is Part 5 of GB (T) 26875 "Urban Fire Remote Monitoring Systems". GB (T) 26875 has the following published...

part.

---Part 1: General Technical Requirements;

---Part 2: Functional Requirements for Communication Service Software;

---Part 3: Alarm Transmission Network Communication Protocol;

---Part 4: Basic Data Items;

---Part 5: Software Functional Requirements;

---Part 6: Functional Requirements for Information Management Software;

---Part 7: Functional Requirements for Fire Protection Facility Maintenance and Management Software;

---Part 8: Monitoring Center External Data Exchange Protocol;

---Part 9: User Information Transmission Device;

---Part 10: Requirements for fire protection facility information collection devices and interfaces.

This document replaces GB/T 26875.5-2011 "Urban Fire Remote Monitoring System Part 5: Functional Requirements for Acceptance Software", and is consistent with...

Compared with GB/T 26875.5-2011, apart from structural adjustments and editorial

changes, the main technical changes are as follows.

- a) The scope has been changed (see Chapter 1, Chapter 1 of the 2011 edition);
 - b) The term "fire alarm information terminal" has been removed, as has the "functional requirements for the fire alarm information terminal receiving software" (see the 2011 version).
- 3.1, 5.3);
- c) Delete the "Basic Requirements" section and incorporate its content into Chapters 4 and 5 (see 4.3, 4.5, 5.2, Chapter 4 in the 2011 edition);
 - d) The confirmation prompt function for the processing software has been modified (see 4.2, 5.1.5 of the 2011 version);
 - e) Requirements for the video information display interface and the associated operations between different interfaces have been added (see 4.3 and 4.6);
 - f) The software now includes functions for managing seat allocation for unaccepted information, accepting information on behalf of others, and transferring and pushing information (see 4.4);
 - g) Requirements for the display, query, monitoring, and processing of fire safety management information of networked units have been added (see 4.10);
 - h) Increased requirements for the display, querying, and processing of video surveillance information [see 4.11, 4.14c)];
 - i) Additional requirements have been added for information that requires manual processing by personnel (see 4.12);
 - j) The acceptance requirements for different types of received information have been changed (see 4.14~4.17, 5.2.4~5.2.7 of the 2011 version);
 - k) The requirements for information confirmation and record archiving have been changed, and the function of linking information records and audio/video records during the acceptance process has been added (see...).
- 4.15 (5.2.5 in the 2011 version);
- l) The requirement to support manually sent commands has been changed (see 4.18, 5.2.8 of the 2011 version);
 - m) Added the ability to query information on fire protection facility inspections, emergency plans, fire protection facility maintenance, fire drills, and fire safety training.
- Display and alarm requirements (see 4.19~4.21);
- n) Added query, statistical, and analysis functions for multi-dimensional combinations of

acceptance information (see 4.22);

o) Added functions for entering, editing, querying, and distributing notification messages (see 4.23);

p) The word "Test Methods" was changed to "Conformity Assessment" and the content was changed (see Chapter 5, Chapter 6 of the 2011 edition).

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 National Fire and Rescue Administration.

This document is under the jurisdiction of the National Fire Protection Standardization Technical Committee (SAC/TC113).

Introduction

Urban fire remote monitoring systems, as an important component of "smart city" and "smart fire protection" construction, play a crucial role in improving the completeness of building fire protection facilities.

It has played a positive role in improving the fire safety rate, enabling timely identification and rapid response to initial fires, and enhancing the fire safety management level of social units.

With the deepening of a new round of technological revolution and industrial transformation, a large number of new technologies, systems, and business models with higher security are emerging, and the Internet of Things (IoT) is becoming increasingly important.

High-tech technologies such as the Internet, cloud computing, big data, and artificial intelligence have been deeply integrated and applied in the fire protection field, and urban fire remote monitoring systems are keeping pace with the times.

The demand, through technological iteration, plays a vital role in reducing fire safety risks, and empowers the transformation and upgrading of fire protection work. In order to adapt to the information age...

The development of information technology will promote the implementation of the main responsibilities of social entities, enhance the social fire safety governance capabilities and urban risk monitoring and early warning capabilities, and improve the system.

GB (T) 26875 "Urban Fire Remote Monitoring System" is ordered. GB (T) 26875 is planned to consist of ten parts.

---Part 1: General Technical Requirements. The purpose is to specify the architecture and composition of urban fire remote monitoring systems and to clarify system functions.

Requirements related to energy, performance, and safety.

---Part 2: Functional Requirements for Communication Service Software. The purpose is to specify the functional requirements of the application support platform in the urban fire remote monitoring system.

The functions implemented by the messaging service software.

---Part 3: Communication Protocol between User Information Transmission Device and Application Support Platform. The purpose is to specify the communication protocol between the user information transmission device and the application support platform.

Transmission protocols between application support platforms.

---Part 4: Basic Data Items. The purpose is to define the basic data items included in an urban fire remote monitoring system.

---Part 5: Software Functional Requirements. The purpose is to specify the manual requirements for the support platform used in urban fire remote monitoring systems.

The functions implemented by the agent handling software.

---Part 6: Functional Requirements for Information Management Software. The purpose is to specify the functional requirements of the supporting platform used in urban fire remote monitoring systems.

The functions implemented by information management software.

---Part 7: Functional Requirements for the Maintenance Unit's Application Platform. The purpose is to specify the maintenance requirements for the urban fire remote monitoring system.

The functions implemented by the application platform of the nursing unit.

---Part 8: System External Data Exchange Protocol. The purpose is to define the data exchange protocol between the urban fire remote monitoring system and external information systems.

Data exchange protocol between them.

---Part 9: User Information Transmission Devices. The purpose is to specify the user information transmission devices in urban fire remote monitoring systems.

Functional and performance technical requirements.

---Part 10: Requirements for Fire Protection Facility Information Acquisition Devices and Interfaces. The purpose is to specify the requirements for fire protection facilities in urban fire remote monitoring systems.

Requirements for facility information collection devices and interfaces.

Urban fire remote monitoring system Part 5: Software Functional Requirements