

ICS 13.220.20

CCS C81



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

GB 25506-2010

General technical requirements for fire control center

消防控制室通用技术要求

Issued on: January 10, 2011

Implemented on: July 1, 2011

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative references
- 3 General requirements
- 4 Data and management requirements
- 4.2 Fire control room management and emergency procedures
- Appendix A

Foreword

The standard Chapter 4, Section 5, Chapter 6 and Chapter 7 are mandatory, the rest are recommended. The Standard Annexes A and B are normative appendix. The standard proposed by the People's Republic of China Ministry of Public Security. This standard by the National Standardization Technical Committee on Fire fire detection and alarm Technical Committee (SAC/TC113/SC6) centralized. This standard is drafted by: Ministry of Public Security Shenyang Fire Research Institute. Participated in the drafting of this standard. Liaoning Province Public Security Fire Department, Zhejiang Province Public Security Fire Department, Xi'an System Sensor Electronics Co., Ltd., the Gulf Security Technology Co., Ltd., Shanghai Songjiang Electronic Instrument Factory, Beijing Leader Huaxin Electronics Co., Ltd., Beijing Lion Island Fire Electronics Co., Hebei Beida Jade Bird Universal Fire Equipment Co., Ltd., Nanjing Fire Equipment Co., Ltd., China and Angola Fire Safety Engineering Limited, Beijing Lihua Fire Engineering Company. The main drafters of this standard. Ding Hongjun, Ma Hang, Pan Gang, Shen Wen, Qu Li, Zhang Ying Cong, Liu Fang, Zhaoqing Ping, Ma Xin, Yu Ping. General technical requirements for the fire control room

1 Scope

GB 25506-2010 is the Chinese national standard on general technical requirements for fire control center, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 10 January 2011 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 July 2011. Classification: ICS 13.220.20, CCS C81. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the

issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the general requirements for fire control room, information and management requirements, control and display requirements, graphic display device information in mind Record request information transfer requirements. This standard applies to GB 50116 stipulated centralized fire alarm system, alarm system control center or in the fire control room fire Control center; also applies to the control room but not set fire to set this standard involves building automatic fire control system.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 25201 building fire protection facilities maintenance and management

GB 50116 automatic fire alarm system design specifications

3 General requirements

3.1 Fire control room set up fire-fighting equipment should include fire alarm controller, fire linkage controller, fire control room graphical display device Home, fire telephone switchboard, fire emergency broadcast control apparatus, fire emergency lighting and evacuation system control device monitors and other fire power Device or combination of devices having the corresponding functions.

3.2 Fire control indoor fire-fighting equipment should be provided to monitor and display the running status of building fire protection facilities, and should have the city fire Remote monitoring center (hereinafter referred to as the control center) transfer function of this information. Building fire protection facilities operating status information in Appendix A.

3.3 Fire control room shall be maintained with

4.1 of fire safety management and information specified in appendix B, and may have to the monitoring center Transfer function of fire safety management information.

3.4 having two or more fire control room, fire control room should identify the main points and the fire control room. Fire main fire control room Response System in the device controlling share of fire-fighting equipment, and its status information; the main fire control room fire fighting equipment should be able to display all Minute fire control room fire fighting equipment status information, and to divide the fire control room fire fighting equipment and fire control systems and equipment Control; fire-fighting equipment can be

transferred between each sub fire control room between display status information, but not control each other.

3.5 Fire control room fire fighting equipment should be provided to meet the national market access system products. Fire control room design, construction and operation Line should be consistent with existing national standards.

3.6 system consisting of fire-fighting equipment, the system should meet the requirements for compatibility between devices.

4 Data and management requirements

4.1 Fire control room data Fire control room should keep the following paper and electronic archives.

- a) total floorplan construction (structures) after completion, building fire floorplan building fire safety facilities and the system of FIG. Port layout, and other key parts of the map;
- b) fire safety management rules and regulations, emergency plans for fire fighting, emergency evacuation, etc;
- c) fire safety organization chart, including fire safety responsibilities, administrator, full-time duty firefighters and other content;
- d) Fire safety training records, records fire drills and emergency evacuation of;
- e) on duty, fire safety inspection and inspection records of the case;
- f) a list of fire-fighting facilities, fire facilities including the type, number, status, and so on;
- g) fire control system logic instructions manual of the equipment, system procedures, systems and equipment maintenance system, etc;
- h) equipment operating conditions, then alarm recording, handling of fire, equipment maintenance, inspection reports and other information, which should be able to guarantee a regular basis Store and archive.

4.2 Fire control room management and emergency procedures

4.2.1 fire control management should meet the following requirements.

- a) should be implemented daily 24h staff on duty system, the class should not be less than 2, the duty officer should hold the fire control room operating capital occupation Georgia certificate;
- b) the daily fire-fighting facilities maintenance and management should be consistent with the requirements of GB 25201;
- c) shall ensure that the automatic fire alarm system, fire fighting system and other control

equipment in proper working condition, should not be in the self Actuated state based in manual mode;

d) shall ensure that sufficient high fire water tank, fire water tank, pressure tank and other fire-fighting water storage facilities to ensure that the fire pump outlet pipe valve Doors, sprinkler pipe valve normally open on fire-extinguishing system; ensure fire pumps, smoke fans, fire shutter fire power, etc. Distribution cabinet equipment start switch in the automatic position (energized).

4.2.2 fire control room duty emergency procedures shall meet the following requirements.

a) after receiving the fire alarm, the duty officer should be recognized immediately the fastest way; B) After the fire confirmed that the duty officer shall immediately confirm the fire alarm linkage control switch is in automatic mode, while dial "119" newspaper Police, fire alarm shall be given work location, the fire site, the fire was kind, size of the fire, alarm name and telephone number;

c) duty personnel should immediately start emergency evacuation and fire fighting units inside the plan, and at the same time report the person in charge.

5 control and display requirements

5.1 Fire control room graphical display device Fire control room graphical display device should meet the following requirements.

a) should be able to display the contents of the information specified in

4.1 and other relevant information specified in appendix B;

b) should use the same interface displays the building (structure) building materials surrounding fire road, fire up vehicle operation area, the location of fire water, and phase Spacing adjacent building fire, the building area, building height, nature of use, etc.;

c) should be able to display dynamic information systems and fire-fighting equipment name, location, and the provisions of

Appendix A

(Normative) Building fire protection facilities operating state information Building fire protection facilities operating status information content should meet the requirements of Table A.1. Table A.1 building fire protection facilities operating state information Facility Name Content Fire detection and alarm system Fire alarm, combustible gas detection alarm, electric fire alarms, shielding letter Information, fault information Fire linkage controller action status, screening information, failure information Fire hydrant system Fire pump power operating state, start and stop status and fault status of the fire pumps, fire water tank (Pool) water pipe network pressure alarm and fire hydrant alarm button Information Automatic sprinkler system, water spray (thin water Mist) fire extinguishing