

ICS 13.220.10
CCS C 81



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

GB 25113-2010

General technical requirement for mobile fire command center

移动消防指挥中心通用技术要求

(English Translation)

Issued on: September 2, 2010

Implemented on: May 1, 2011

Issued by: Standardization Administration of China

Table of Contents

Foreword
1 Scope
2 Normative references
3 Terms and Definitions
4 Form
5 Technical requirements
5.1 General Requirements
5.2 Field Communication Network Requirements
5.3 Site requires intelligence information
5.4 Site decision support requirements
5.5 Field Communication control requirements
5.6 Graphic display requirements
5.7 Loading and security requirements
6 Device configuration requirements

Foreword

Chapter 5 of this standard are mandatory content, the rest are recommended.

The standard proposed by the People's Republic of China Ministry of Public Security.

This standard by the National Fire Fire Communications Standardization Technical Committee Technical Committee (SAC/TC113/SC14) centralized.

1 Scope

This standard specifies the terms and definitions mobile fire command center, composition, technical requirements, equipment configuration requirements.

This standard applies to the vehicle as the carrier of the mobile fire command center. Mobile Fire Command Center, and independent of the ship as the carrier Technical requirements shelter mobile fire command center may refer to this standard.

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, according to the study encourages the parties to the agreement Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 1589 road vehicles outside dimensions, axle load limits and quality GB 4785 Installation regulations for car and trailer exterior illumination and light signaling devices GB/T 4798.5 application of electric and electronic products environmental conditions - Part 5. Ground vehicle GB 7258 Safety requirements for operation of motor vehicles Combustion characteristics of automotive interior materials GB 8410 GB 12638 microwave communications equipment and VHF radiation safety requirements GB 14050 type of system grounding and safety technical requirements GB 50313 fire communication command system design specifications GB 50401 fire communication and command system construction and acceptance

3 Terms and Definitions

The following terms and definitions apply to this standard.

Fire communication and command centers firecommunicationandcommandcenter Located in the provinces (autonomous regions), city fire command structure, having received the fire alarm and other disasters, fire and rescue command and dispatch, fire situation Part of the information reported to support other functions.

Mobile Fire Command Center Provided on the fire command vehicles and other mobile communications carrier, it has a live fire and other disasters and fire service accident site communication network, means Play communications, intelligence information to support features such as part of an extension of fire communication and command centers.

Field Communication Network communicationnetworkconstructionatscene Fire and other disasters in the scene of the accident, establish a communication transmission link, the communication switching equipment and communication terminal apparatus of each communication node, Constituting the communication network information transmission.

4 Form

4.1

Mobile Fire Command Center Selects vehicle, according to the requirements of fire fighting and rescue operations, a communication command may be integrated utility vehicles or special vehicles Term utility vehicles (communication command vehicles, satellite communications vehicles, trucks and other large meetings) combinations thereof.

Equipment by 4.2 mobile communication terminal device configured fire command center, on-site communications networking equipment, operational command room equipment, power subsidiary Support equipment and other combinations thereof.

5.1 General Requirements

5.1.1

Mobile Fire Command Center (hereinafter referred to as a mobile center) should have the following general properties.

- a) has a high mobility, it should be able to quickly reach the scene of the accident scene and other disasters;
- b) establishing a communication link time should not exceed 10min;
- c) shall comply with the relevant national EMC technical standards, a variety of technical equipment shall not interfere with each other;
- d) the car equipment rational layout, proper vibration, noise, noise, anti-static, lightning protection and other measures, has a good, comfortable working environment;
- e) the use of an integrated platform, the work should be designed interface, simple operation, easy;
- f) shall adopt a modular design, with good sharing and scalability;
- g) shall be Beijing time, time in seconds the minimum measure, to maintain clock synchronization within the system;
- h) should be consistent with the fire communication and command centers of the data.

5.1.2

Mobility Center shall have the following interfaces.

- a) communicate with the fire command center for voice, data and image transmission interface;
- b) communication access relevant public and private network interfaces;
- c) external power supply, telephone, Internet, video and audio signals, and fiber access (out) interface.

5.1.3

Mobility Center and external network communication should have security measures and access to information transmission.

Mobility Center 5.1.4 software and hardware equipment shall meet the following requirements.

- a) computers and other IT equipment shall comply with the provisions of GB 50401;
- b) wired communications equipment, wireless communications equipment, satellite communications equipment and other products should meet the requirements of GB 50401;

- c) switches and sockets, wire and cable and other electrical materials should comply with the relevant national standards for products;
- d) the use of commercial software should have the software (licensed) License;
- e) professional application software should have the installer program structure and instructions, installation maintenance manual;
- f) should have anti-virus software, vulnerability remediation;
- g) the software should have backed up configuration data export capabilities.

5.2 Field Communication Network Requirements

5.2.1

Mobility Center should be able to interface to an external telephone or satellite communication links, opening of local and other wired telephone.

5.2.2

Mobility Center by car phone switches, and the wired telephone communication line, opened on-site command and communications wired telephone network.

5.2.3

The mobile command center should have a live broadcast megaphone.

5.2.4

Mobility Center should be able to car radio, and other wireless handheld radio user terminal equipment for wireless voice command communication following.

- a) communication and command centers to communicate with fire;
- b) communications between commanders at all levels in the field;
- c) to communicate with the various forms of cooperative fire team;
- d) cooperative communication with the fire and rescue emergency response teams.

5.2.5

Mobility Center should be able to cause a wide range of communication interruption in the event of natural disasters or unexpected technical failure, by satellite phone, shortwave Station, radio communications and other wireless subscriber terminal equipment, to provide emergency communications support.

5.2.6

Mobility Center should have retreated sending distress signals and other emergency calls.