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**Voice communication network management platform for
firefighting command center**

消防话音通信组网管理平台

(English Translation)

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Table of Contents

Foreword	
1 Scope	
2 Normative references	
3 Terms and Definitions	
4 Requirements	
4.1 General	
4.2 Machine performance requirements	
4.3 Insulation	
4.4 Electric strength	
4.5 Electromagnetic compatibility	
5 Surge (impact) immunity test	
5.1 General	
5.4 Electric strength test 3	
5.2 Performance test machine	
5.3 Insulation resistance test	
5.4 Electric strength test	
5.5 RFEMS test	
5.6 Conducted disturbances induced by radio frequency fields immunity test	
5.8 Electrical fast transient burst immunity test	
5.9 Surge (impact) immunity test	
5.10 Power transient test	
5.11 Low temperature (run) test	
5.12 Damp heat (operational) test	
5.13 Vibration (sine) (running) test	
5.14 Vibration (sine) (durability) test	
5.15 Crash Test	
6 Inspection Rules	
6.1 Factory inspection	
6.2 Type inspection	
7 Logo	
7.1 Product logo	
7.2 Quality inspection mark	

8 Manual

Foreword

Chapter 4 of this standard - Chapter 8 content is mandatory, the rest are recommended.

This standard was drafted in accordance with rules GB/T 1.1-2009 given.

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).

This standard was drafted. Shenyang Fire Research Institute Ministry of Public Security.

1 Scope

This standard specifies the terms and definitions set fire voice communications network management platform, requirements, testing, inspection rules, and use of said flag Instruction manual.

This standard applies to public security fire brigade, fire brigade voice communication groups and governments dedicated full-time fire brigade units used in network management platform.

2 Normative references

The following documents for the application of this document is essential. For dated references, only applies to the version dated paper Pieces. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 9969 General Industrial Product Manual GB 12978 Fire electronic products inspection rules GB 16838 fire electronic product environmental test methods and severities GB/T 17626.2 Electromagnetic compatibility testing and measurement techniques electrostatic discharge immunity test GB/T 17626.3 Electromagnetic compatibility testing and measurement techniques RFEMS Test GB/T 17626.4 Electromagnetic compatibility testing and measurement techniques Electrical fast transient burst immunity test GB/T 17626.5 Electromagnetic compatibility testing and measurement techniques surge (impact) immunity test GB/T 17626.6 Electromagnetic compatibility testing and measurement techniques conducted disturbances, induced fields Immunity

3 Terms and Definitions

The following terms and definitions apply to this document.

Fire group voice communications network management platform
voicecommunicationnetworkmanagementplatformforfirefighting commandcenter Attached to the fire command center or a mobile communication fire command center, tandem wired telephone, conventional radio, trunked radio, public mobile, satellite Satellite telephone and other communication systems, establish communication transmission link, interoperability, have integrated communications dispatch system management functions.

4.1 General

Fire group voice communications network management platform (hereinafter referred to as management platform) comply with the requirements in Chapter 4, according to the provisions of chapter 5 test.

4.2 Machine performance requirements

4.2.1

Main power management platform should support both AC and DC power supply.

The main section 4.2.2 Management Platform (device) pieces of styling products should meet the relevant standards. Tightening should be no loose parts. Buttons, switches, etc.

Motion control components should be flexible and reliable, and have a clear range of Chinese flags. The surface should be free from corrosion, coating loss and blistering, ignorance Noticeable scratches, cracks, burrs and other mechanical damage.

4.2.3

Platform Management Access U/VHF channel interface conventional wireless communication system should be less than 4, the platform should be able to manage the radio channel Full-duplex communication or half duplex channel.

4.2.4

The management platform channel interface shall have access to the trunked radio communications system, should be able to access the cluster system 350MHz or 800MHz Voice communications.

4.2.5

Management internet access channel public communications network interface should be less than 2-way, you should be able to access the public switched telephone network (PSTN), the user Exchange (PBX), VOIP voice gateway or satellite phone, GSM, CDMA or 3G voice communication mode.

4.2.6

The management platform should have a shortwave radio access channel interface, and voice communication can be performed shortwave radio.

4.2.7

management platform having a local scheduler should telephone interface, should be able to communicate with all the speech communication channels.

4.2.8

The management platform should have a communication channel sounding PA interface should be able to call on a communication channel loudspeaker playback.

4.2.9

The management platform should have a dispatching terminal, should be able to manage the scheduling of all access communication system.

4.2.10

management platform should have exchanged calls, multi-party call, broadcast through calls, conference calls, group calls and private network call control functions it can not affect private conversations when other users to receive calls. When the management platform for voice exchange, the switching time should be less than 1s, delay call it should be less than 50ms. Management platform voice channel frequency response in the range of 300Hz ~ 3400Hz properties should be better than $\pm 3\text{dB}$, in the total harmonic distortion should be less than 5% frequency of 1000Hz.

4.2.11

call management platform should have the effect of optimization of the radio communication function, should be noise by hardware or software Filtered out.

4.2.12

management platform should have not less than two trigger modes radio communication, comprising the VOX (voice), COR (carrier detect), VMR (voice).

4.2.13

playback management platform should be able to control a specific sound signal or the emergency command tones, should by all communication channels in the range Independent channels or conference group by internal or external automatic recording should be able to manage and display of all communication channels.

4.2.14

management platform should be able to prepare channel user group, a user key, group talk session, and the automatic access control radio channel with communication parameters Other set command communication plans.

4.2.15

management platform should be able to manage user data and query the call records, should be able to support internal or external inquiries and play back the recording.