ICS 13.220.20
CCS C81

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/Z 24978-2010

Performance assessment of fire detection and alarm system

火灾自动报警系统性能评价

Issued on: August 9, 2010 **Implemented on: August 9, 2010**

Issued by: State Administration for Market Regulation;
Standardization Administration of China

Table of Contents

Foreword

Automatic fire alarm system is becoming more diverse, the system protection of objects and installation sites are also increasingly complicated, the need for automatic fire alarm system Scientific evaluation. This guideline is for reference only. The suggestions and opinions on this technical document are directed to the standardization administration under the State Council Department reflected. Appendix A of this Guidance Document is an informative annex. This instructional technical document was submitted by the Ministry of Public Security of the People's Republic of China. The guidance of technical documents by the National Fire Standardization Technical Committee fire detection and alarm sub-technical committee (SAC/TC113 / SC6) centralized. This guidance is responsible for the drafting of technical documents. Ministry of Public Security Shenyang Institute of Fire. The guidance of technical documents to participate in the drafting unit. Liaoning Provincial Public Security Fire Corps, Gulf Security Technology Co., Ltd., Xi'an Sheng Purcell Electronics Limited. The main drafters of this guidance document are Mei Zhibin, Song Zhen, Song Liwei, Dong Wenhui, Guan Dawei, Chen Guang, Ding Hongjun, Liu Weihua, Zhang Xiongfei, Gao Yong, Weng Lijian, Wu Binglong, Tian Yongli. Performance Evaluation of Automatic Fire Alarm System

1 Scope

GB/Z 24978-2010 is the Chinese national standard on performance assessment of fire detection and alarm system, in the field of environment and health protection, safety. The /Z suffix marks it as a guiding technical document: it does not prescribe requirements that can be certified against, but sets out the technique, the method or the state of the art that the

standards bodies recommend following. It was issued on 9 August 2010 by the State Administration for Market Regulation; Standardization Administration of China. As a guiding technical document it carries no separate date of entry into force: it applies from publication. 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 Guidance Document provides the requirements and methods for evaluating the product, design and operation of an automatic fire alarm system. This guideline is applicable to the evaluation of product performance, design performance and operating performance of automatic fire alarm system.

2 Normative references

The following documents contain provisions which, through reference in this Guidance Document, become the provisions of this Guidance Note document. All dated Reference documents, all subsequent amendments (not including errata content), or revisions do not apply to this guidance document, however, drums Recipients of the agreement based on this guidance document are encouraged to study whether the latest versions of these documents are applicable. All undated references The latest version of this document applies to this guidance document.

GB/T 4718-2006 fire alarm equipment terminology

GB 50116 automatic fire alarm system design specifications

GB 50166 automatic fire alarm system construction and acceptance specification

3 Terms and definitions

GB/T 4718-2006 established and the following terms and definitions apply to the guidance of technical documents.

3.1 Subjectiveassessmentmethod Evaluators for the evaluation system and technical documents, based on actual work experience, in accordance with certain evaluation procedures, all or part of the assessment Price indicators to make subjective judgments and give the corresponding assessment of the conclusions of the method.

3.2 Objective assessment method Evaluation personnel through specific tests, simulation tests or simulation calculations, the system or component of the specific evaluation index to make a conclusion method.

3.3 Spot inspection method spotinspectionmethod Evaluators through the actual operation of the project site inspection and testing of all or part of the system to evaluate the

evaluation indicators to make conclusions method.

3.4 Check the inspection method checkinspectionmethod Evaluators for the evaluation system and technical documents, based on relevant national standards, according to a certain evaluation process, all or part of the assessment Price index to make a conclusion of the evaluation method.

3.5 Equipment integrity rate equipmentavailability System technical performance intact equipment Taiwan (only) the percentage of total equipment.

3.6 System utilization systemutilization System controller intact working time and the ratio of working hours.