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

GB/T 26823-2011

**Acceptance sampling procedures by attributes -- Accept-zero
sampling system based on credit principle for controlling
outgoing quality**

基于信用原则控制检出质量的零接收数 计数抽样检验系统

(English Translation)

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Table of Contents

Foreword
1 Scope
2 Normative references

Foreword

This standard is prepared in accordance with the drafting of rules GB/T 1.1-2009 requirements.

This standard is equivalent to international standard ISO 18414:2006 "based on the principle of credit quality control detected a zero acceptance number sampling count System "and ISO 18414:2006 technical amendments made the following.

- Remove the title of "Sampling procedures for inspection ---";
- Modify the terms and definitions in number;
- Deleted each term following symbols;
- Chapter 10 will sample in the sample size required for the expression to " $n = N (KN)$ a 1 "Wait.

Application of this standard by the National Standardization Technical Committee on statistical methods (SAC/TC21) and focal points.

This standard was drafted. Beijing University of Technology, China National Institute of Standardization, Shenzhen City, measuring Detection Technology Co., Ltd., the CAS number Science and Systems Science, People's Liberation Army Ordnance Engineering College.

Drafters of this standard. Xie Tian law, Dingwen Xing, Zhang Fan, YU Zhen Fan, Zhu Ping, Chen, Zhang Yuzhu, Li Bo.

Acceptance number zero detection quality control based on the principle of credit Sampling Inspection System

1 Scope

1.1

standard provides for a batch count sampling inspection plan. All of the standard sampling programs have adopted a zero acceptance number, that is, if the batch contains an extract from a sample or a more nonconforming not received the batch. Sampling plan is

dependent on a reasonable Average outgoing quality limit defined (abbreviated as AOQL), the value selected by the user; the choice and value for AOQL continuous series the length of the grant without any limitation. The overall average quality of long-term use of this method, we can ensure that consumers get the product or products to enter the market the amount does not exceed the level of AOQL.

1.2

The sampling plan through a batch that does not accept credit accumulation and consequent reduced so that the production side of the economy and generate psychological pressure to its efforts to maintain zero nonconforming production process. At the same sample by the lowest feasible amount to guarantee to the consumer or to enter the market capacity Product does not exceed the percentage of long-term non-conforming product AOQL. This objective through good historical record of product quality and gradually reduce the sample Amount to achieve.

1.3

sampling plan for a series of production batches from the same party. Credit principle such that.

a) If you find the quality deterioration of the consumer with the automatic protection. To achieve this purpose is based on a defective product if it is found to reduce the accumulation of credit and to use a relatively large sample size of the sampling plan, even when one of the following requirements 100% test.

1) The first is not received, or

2) After receiving a batch appears next two consecutive batches have not been received;

b) If the quality has always been good places to reduce sampling costs (by gradually reducing the amount of sample required) as on the production side excitation.

1.4

This standard applies to the case of the following conditions.

a) by the individual discrete product batches consisting of series, and requires these products are made by the same producers using the same production process to produce to (if products from different producers or different production process, this can only be one for each standard produced Cheng);

B) When considering one or more quality characteristics of the product, they must put the home is qualified or unqualified;

c) attribution process of product quality characteristics of measurement errors can be ignored;

d) non-destructive testing.

This standard also achieve the following two objectives, sample size as small as possible to achieve the desired product quality detection level control System; regardless of the length of each series of batch supply side is how many are able to guarantee long-term control of the detection of the actual product quality level.

Producers, consumers and authorities are available to achieve this standard of the received from the same source, the same type of product Wang level of quality control.

2 Normative references

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

GB/T 3358.2 Statistics Vocabulary and symbols - Part 2. Applied Statistics (GB/T 3358.2-2009, ISO 3534-2:2006, IDT)