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

GB/T 2828.4-2008

Replacing GB/T 14162-1993; GB/T 14437-1997

**Sampling procedures for inspection by attributes -- Part 4:
Procedures for assessment of declared quality levels**

计数抽样检验程序 第4部分：声称质量水平的评定程序

(English Translation)

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Foreword

GB/T 2828 "Sampling procedures for inspection" now includes the following sections, the structure and the corresponding international standards and national standard will be replaced Quasi is.

--- Part 1. by acceptance quality limit (AQL) retrieval batch inspection sampling plan (ISO 2859-1:1999, IDT; instead of GB/T 2828-1987)

--- Part 2. Press the limiting quality (LQ) for isolated lot inspection retrieved sampling programs (ISO 2859-2. 1985, NEQ; instead of GB/T 15239-1994)

--- Part 3. skip-lot sampling procedures (ISO 2859-3:2005, IDT; instead of GB/T 13263-1991)

--- Part 4. claiming that the level of quality assessment procedures (ISO 2859-4:2002, MOD; instead of GB/T 14437-1997 and GB/T 14162-1993)

--- Part 5. by acceptance quality limit [AQL] sequential sampling test batch retrieval system program (corresponding to ISO 2859-5:2005)

--- Part 10. Sampling system description (corresponding to ISO 2859-10:2006)

--- Part 11. Small claims overall level of quality assessment procedures (instead of GB/T 15482-1995) this section GB/T 2828 Part 4.

GB/T 2828 to modify this part of the international standard ISO 2859-4:2002 "Sampling

procedures for inspection - Part 4. quality claims Volume level of assessment procedures. " This part of ISO 2859-4:2002 compared to changes in the technical content include.

- Increased L = 0 sampling plan in Table 1 sampling plan master table;
- Adds like LQR level in Table 1 sampling plan in the primary table I = 8, like = 5 like = 3 sampling plan, LQR level II Increasing Plus a sampling program like = 8;
- Increased L = 0 Sampling Plans "limiting quality ratio (LQR) and error determining eligibility verification for the overall sampling failed Probability table "that Table 2;
- Increased L = 0 sampling plan "values \u200b\u200bfor different mass ratios sentenced sampling failure probability table" that Table 6;
- Increase the "value judgments of different mass ratio of sampling failure probability curve" L = 0 sampling scheme in Figure 1;
- Increased DQL = 0 is discussed in Appendix A.

This Part replaces GB/T 14437-1997 "counted once Supervision sampling procedures and sample forms" and GB/T 14162-1994 "Count Supervision sampling procedures and sample forms." This portion of the GB/T 14437-1997 compared to the main changes in the technical content to include.

- According to GB/T 1.1-2000 "Standardization Guide Part 1. Standard structure and write rules," the requirements of the standard format it has been modified;
- Increased DQL = 0 is discussed;
- Increasing the content can be used per 100 units of product failure number of quality indicators;
- Increased operating characteristic curves and tables sampling programs;
- Increased retest,, review and verification of the efficacy of sampling defined;
- Special emphasis on this standard can be applied in addition to the final products, components and raw materials, but also can be used to operate in the product library Deposit products, maintenance operations, data or records management program.

Appendix A of this section is normative appendix, Appendix B and Appendix C are informative appendices.

This part is proposed by the China National Institute of Standardization.

This part of the application by the National Standardization Technical Committee centralized statistical methods.

This section drafted by. China National Institute of Standardization, China Aerospace Science and Industry Corporation II Institute, the Guangdong Provincial Administration for

Industry and Commerce, China Academy of Mathematics and Systems Science Research Institute, Guangzhou Product Quality Supervision, Inspection and People's Liberation Army Ordnance Engineering College.

1 Scope

This section GB/T 2828, as defined by the sampling plan and assessment procedures for the assessment of a general (or batch processes, etc.) level of quality it meets a declared quality level. The design of these programs is to enable sampling negative overall (batch) of the risk that a qualified controlled at 5% So as not to negate the actual quality level is the quality level of the claimed failure LQR times overall (batch) (see Chapter 4) the risk was 10%.

This section GB/T 2828 provides four levels of discrimination sampling plan.

And GB/T 2828 in other parts of the program, the present part of the program can not be used for acceptance sampling batch. GB/T 2828 this Part Points can be used for all forms of quality verification. Including the use of sample test results illustrate a general verification of compliance with certain quality claims Level occasions.

This section GB/T 2828 is adapted to allow the verification drawn from a random sample of the population by the number of units of the product composition of the case.

GB/T 2828 sampling scheme provided in this section may be used (but not limited to) the following test a variety of products, such as.

- Final product;
- Parts and raw materials;
- operating;
- In the article;
- Inventory;
- Maintenance operations;
- Data or records;
- Management procedures.

This section is used, when the inspection unit product into quality products and defective products, the overall verification of a non-conforming products Case number or percent nonconforming.

For the case of several defective or substandard products per hundred numbers, by slight changes may also be used in this section, these changes are necessary.

- A "rejection number" instead of "number of rejects";

--- In "per hundred units rejection number" instead of "percent nonconforming (per hundred units or the number of nonconforming product)." in this case, Tables 2 to 9 given in the table values are only approximate.

This section Tables 2 through 9 are given in the table value is calculated using the binomial distribution. When the verification of the overall volume of less than 250, or the overall verification 10.00, by this part of the sampling plan is retrieved and the approximate amount of the sample is greater than. The method according to GB/T 15482 stipulated Determined sampling plan.

2 Normative references

The following documents contain provisions by GB/T 2828 to become a reference in this Part of the provisions of this section. For dated references, all subsequent amendments (not including errata content) or revised edition are not suitable for this part. However, to encourage an agreement under this Part Whether the parties can study the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 321 Priority number and priority number system GB/T 2828.1-2003 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL) retrieval batch test sample Programme (ISO 2859-1:1999, IDT) GB/T 2828.2-2008 Sampling procedures for inspection - Part 2. Press the limiting quality (LQ) for isolated lot inspection sample retrieved Party