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### 利用试验数据的产品可靠性综合验证方案确定方法

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The Methodology for Conducting the Integrated Verification of Product Reliability with Test Date Acquired in the Development Phase

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摘要

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**摘要** 常用抽样检验的方法进行产品可靠性验证,根据这一方法所确定的验证试验方案,在一定的风险下所需样本量较大,有时在工程上是不可接受的。针对这一问题,提出利用产品研制期间的试验数据,重新确定抽样方案,从而减少验证试验所需样本量或降低风险。由于这种方法充分利用了产品研制期间的试验信息,因此在保证有较好的验证效果的条件下,与传统的验证方案相比,可以减少试验样本量,降低风险。

**关键词:** 可靠性验证 一次抽样检验方案 成败型产品

**Abstract:** For reducing the amount of necessary test sample size during the reliability verification with specified risk level, this paper presents a method to make the full use of the reliability test data acquired in the product development phase which will be able to reduce the amount of necessary test sample size and then reduce the risk level.

**Keywords:** reliability verification single sample inspection one-shot item

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