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Principle and method for determination verification period of measuring instruments

计量器具检验周期确定原则和方法

(English Translation)

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3.1 Measuring Instruments (1)

3.2 [Measuring instruments] test (1)

5.2 Maximum likelihood estimation method (5)

Appendix A Calculation Example Using Incremental Response Adjustment Method (7)

Measuring instruments testing cycle to determine the principles and methods

Introduction

This Code refers to the International Organization of Standards and Metrology International Publication OIMLD10. 1984 "Testing Laboratory Using the measuring equipment calibration interval calibration guidelines "and the United States national standard laboratory assembly organized by NCSL RP-1..1996 "Confirmation and Adjustment of Calibration Intervals" was formulated in order to scientifically and reasonably determine that the meter with the test

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cycle, to ensure that the measuring instruments in the specified test cycle accurate and reliable.

1 Scope

This standard specifies the basic principles and methods for the determination of test cycles of measuring instruments.

This standard applies to the development or revision of measurement verification procedures for the determination of the measurement cycle of the applicable measuring instruments, at the same time it also serves as a reference for the adjustment of the calibration interval with the measuring instruments and the confirmation of the calibration interval with the measuring instruments.

2 References

General measurement terms and definitions JJF 1033-2001 measurement standards assessment criteria JJF 1071-2000 National Metrology Calibration Code Writing Rules Measurement management system Measurement procedures and requirements for measurement equipment ISO 10012.:2003 Measurement Management Systems Measurement Processes and Measurement Equipment Requirements OIMLD10. 1984 Guidelines for the determination of calibration intervals for measuring equipment used in testing laboratories (OIML D10. 1984 Guidelines for Determination ofRecibrationIntervalsofMeasuringEquip-ment Usedin Testing Laboratories) NCSLRP-1..1996 "Confirmation and Adjustment of Calibration Intervals" (NCSLRP-1..1996Establishment andAdjustmentofCalibrationIntervals) in implementing this specification, care should be taken to use the current valid version of the above referenced document.

3 Terms and definitions

3.1 Measuring instruments an appliance used alone or in conjunction with ancillary equipment to make measurements.

3.2 [Measuring instruments] test verification [ofameasuringinstrument] Procedures for the identification and verification of the conformity of measuring instruments with statutory requirements, which include checking, marking and/or issuing Verification certificate.

3.3 initial verification A test of a new measuring instrument that has not been tested.

3.4 follow-up verification subsequentverification Measuring instruments after the first test of any kind of test.

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