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

GB/T 18491.2-2010

**Information technology -- Software measurement -- Functional
size measurement -- Part 2: Conformity evaluation of software
size measurement methods to GB/T 18491.1-2001**

信息技术 软件测量 功能规模测量 第2部分：软件规模测量方法与GB/T 18491.1-2001的符合性评价

(English Translation)

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Foreword

GB/T 18491 under "Information technology - Software measurement - Functional size measurement of" total title currently consists of the following six components.

--- Part 1. definition of the concept;

--- Part 2. software size measurement methods and conformity assessment GB/T 18491.1-2001's;

--- Part 3. Verification of functional size measurement methods;

--- Part 4. Reference model;

--- Part 5. domain functional size measurement is determined;

--- Part 6. GB/T 18491 series of standards and guidelines related to the use of standards.

This section GB/T 18491 Part 2.

This section identical with the international standard ISO/IEC 14143-2:2002 "Information technology - Software measurement - Functional size measurement - Part 2.

Software size measurement methods and ISO/IEC 14143-1:1998 Conformity Assessment "(in English). Due to the international standard ISO/IEC 14143-6.

2006 released late on ISO/IEC 14143-2:2002, and therefore the original International Standard ISO/IEC 14143-2:2002 Foreword is not involved ISO/IEC 14143-6:2006. In the ISO/IEC 14143-2:2002 conversion-oriented section, preface supplemented with Section 6 related Instructions.

This section of the Appendix A, Appendix B and Appendix C are informative appendices.

This part of the National Information Technology Standardization Technical Committee and centralized.

This section is drafted. Shanghai computer software technology development center, China Electronics Standardization Institute, East China University of Technology.

Introduction

Functional Size Measurement (FSM) is a technique to measure the size of software by quantifying the functional requirements of software users. Originally published contains this method of analysis is the concept developed by the AlanAlbercht in the late 1970s, function points. Thereafter, the original method of open it issued a number of extensions and variants. Particular case the end user can select from a variety of advantageous methods of methods.

GB/T 18491.1-2001 defines the concept of FSM and to provide users with a basis for comparison of different methods. GB/T 18491 this section has been provided a method for testing candidate FSM meets GB/T 18491.1-2001 provisions of the procedure. The output of the process A method that can help a candidate FSM prospective users, a method to determine whether their needs.

Information technology - Software measurement - Functional size measurement Part 2. The software size measurement methods and GB/T 18491.1-2001 conformity assessment

1 Scope

1.1

GB/T 18491 in this section.

- a) in accordance with the provisions of arrogant GB/T 18491.1-2001, the establishment of a framework for the candidate of FSM methods for compliance evaluation;
- b) a description of the conformity assessment procedure to evaluate the candidate meets the FSM method GB/T 18491.1-2001 (type) to Seeking to determine whether it is a valid method of FSM, i.e. the same type;
- c) describes the implementation of a conformity assessment requirements in order to ensure conformity assessment process repeatability, as well as compliance with the judgment the end result of consistency;
- d) designed to ensure compliance with the output of the evaluation process is objective, fair, consistent, repeatable, and complete review Nuclear;
- e) Providing informative guide (see Appendix A), the ability to determine the conformity

assessment group;

f) provides an example (see Appendix B) checklist to help the candidate FSM method of conformity assessment;

g) provides an example of compliance evaluation report template (see Appendix C).

Conformity with the evaluation of the ability of this part of the group to conformity assessment. GB/T 18491.2 assumed to be familiar with this group GB/T 18491.1 concepts and definitions described.

By comparison before and after each part of the candidate FSM methods and GB/T 18491.1-2001 the corresponding provisions for Conformity assessment, an integral part of this candidate FSM methods have been Conformity Assessment.

Conformity Assessment outputs include an evaluation of the results for each of the terms. In determining whether the candidate FSM Method GB/T 18491.1-2001, simply asking them to consider "shall" statements. FSM method for a candidate to provide additional information for end users Interest may also be considered GB/T 18491.1-2001 "livable" advice contents.

Output conformity assessment procedure is in line with assessment reports. This report can be used to.

a) inform the end users, according to this section, the candidate FSM methods in line with GB/T 18491.1-2001, therefore a FSM method;

b) help to end users that they determine which method is best suited to their needs advice.

1.2

part can be used for a first party (supplier), the second party (user or purchaser) or third party (independent body) of conformity assessment.

Note: The method has the party initiating the evaluation of the type of relationship between the parties and the parties conducted depends, namely first, second or third party.

1.3

Although not allowed to refer to this section to declare a candidate FSM method in line with GB/T 18491.1-2001, but this section provides the conformity assessment procedure can increase the credibility of the statement. This section on conformity assessment procedures set forth requirements, can be used for the first party, the first Declaration of conformity second party or third parties. Provisions of this section is particularly suitable for those customers who require third-party conformity assessment. So that customer expectations with or acquired in accordance with this section conformity assessment over FSM method, when the needs assessment, should be clearly referenced in this section.

1.4

conformity assessment should not be construed as FSM method with full compliance assurance, only show in the evaluation process is not found to be not in line with Evidence items.

1.5

If a candidate FSM method has been successfully completed to meet the requirements of 4.4 conformity assessment procedures should be determined in line.

Based on the evaluation in accordance with GB/T 18491.1-2001 Requirements Compliance Candidate FSM Method. Note 1. This section defines the method for evaluating candidate FSM According to an evaluation of whether the process of GB/T 18491.1-2001 requirements.

Note 2: a standards-based (as described in this section) conformity assessment or testing methods, does not imply any obligation to perform the test. It defines a rated Cheng, if (in the specifications or contract documents) and be required to reference, it is desirable to perform the procedure through the evaluation.