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**Systems and software engineering -- Systems and software
Quality Requirements and Evaluation (SQuaRE) -- Part 24:
Measurement of data quality**

系统与软件工程 系统与软件质量要求和评价(SQuaRE) 第24部分：数据质量测量
(English Translation)

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Foreword

GB/T 25000 System and Software Engineering System and Software Quality Requirements and Evaluation (SQuaRE) "is divided into the following sections.

- Part 1. SQuaRE Guide;
- Part 2. Planning and Management;
- Part 10. System and software quality model;
- Part 12. Data Quality Model;
- Part 20. Measurement reference model and guidelines;
- Part 21. Quality measurement elements;
- Part 22. Use of quality measurement;
- Part 23. System and software product quality measurement;
- Part 24. Data quality measurement;
- Part 30. Quality Requirements;
- Part 40. Evaluation process;
- Part 41. Evaluation guidelines for developers, acquirers and independent evaluators;
- Part 42. Evaluation module;
- Part 45. Recoverability of the evaluation module;
- Part 51. Quality requirements and test rules for ready-to-use software product (RUSP);
- Part 60. Ease of use test report Common Format for Industry (CIF). Common Framework for Ease of Use related information;
- Part 62. Usability test report industry common format (CIF);
- Part 63. Industry Common Format for Ease of Use (CIF).
- Part 64. Common Format for Industrial Ease of Use (CIF). User Requirements Report;
- Part 65. Common Industrial Formats for Ease of Use (CIF). Specification of user requirements;

--- Part 66. Common Format (CIF) for Ease of Use. Evaluation Report.

This section is Part 24 GB/T 25000.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses redrafted law revision using ISO/IEC 25024:2015 "system and software engineering systems and software quality requirements and Evaluation (SQuaRE) Data Quality Measurement ", compared with ISO/IEC 25024:2015, the main technical differences and their reasons are as follows.

--- Normative references, with the revision of the international standard GB/T 25000.12-2017 instead of ISO/IEC 25012.

2008, to adapt to our country's technical conditions.

This section made the following editorial changes.

--- Modify the standard name;

--- Removed the scope of the list repeatedly appendix content description, but keep 8.1 in the appendix of instructions;

--- Figure 2, the "measurement" is corrected as "by measurement", "definition" to correct "by definition", and, in order to facilitate understanding, by Add "Generate" "Measure by" "Include" and other processes described.

--- In order to reflect the characteristics of Appendix D in alphabetical order, add a column to the far left of Table D.1, fill in the quality measure of English name.

Please note that some of this document may be patentable. The issuing agencies of this document do not bear the responsibility of identifying these patents.

This part of the National Information Technology Standardization Technical Committee (SAC/TC28) and focal point.

This part of the drafting unit. Shanghai Hongdi Information Technology Co., Ltd., Fudan University, China Merchants Bank Co., Ltd., Shenzhen wins together Technology Co., Ltd., Foshan Covey Optoelectronics Co., Ltd., Zhuhai Li Jun Electronic Technology Co., Ltd., China Electronics Standardization Institute, Shanghai Software Testing Center Co., Ltd., Shanghai Computer Software Technology Development Center, National Application Software Product Quality Supervision and Inspection Center, Wanda Information Co., Ltd., CMB Silver Cloud (Shenzhen) Information Technology Co., Ltd., Chongqing Software Testing Center Co., Ltd., Sichuan Province, soft Parts and Information System Engineering Evaluation Center, Zhejiang Province, the test of electronic information products, software evaluation center in Hubei Province, Fujian Province, electronic product inspection Inspection Institute, Jilin Province Institute of Electronic Information Products Supervision and Inspection, Shanghai Fengyuan Information Technology Research Center, Zhangjiang

Park in Shanghai Pudong New Area Enterprises Credit Promotion Center.

Introduction

This section is part of the SQuaRE family of standards. It provides a data quality measure set by reference to the SQuaRE series Other standards (especially GB/T 25000.12-2017) can be used to measure and evaluate data quality.

The data quality measure set in this section was chosen based on its value in practice. The intent of these data quality measures is not is exhaustive; users in this section are encouraged to refine them if necessary.

Quality Measurement Division this section is GB/T 25000SQuaRE series of standard part of the quality measurement division. ISO/IEC 2502n quality measurement points the Department currently includes the following criteria.

--- ISO/IEC 25020 Measurement Reference Model and Guidance. To measure the quality defined in the ISO/IEC 2501n Quality Model Division the quantity features provide reference models and guidelines.

--- ISO/IEC 25021 quality measurement elements. Provide the format used to specify the quality measurement elements, and can be used to build the software quality an example of a measure of the quality measure element.

--- ISO/IEC 25022 use of quality measurement. Provide measurement, including the associated measurement methods and the use of quality model quality Characteristics of the quality measurement element.

--- ISO/IEC 25023 system and software product quality measurement. Provide measures, including the associated measurement methods and product quality Quality measure of quality characteristics in the model.

--- ISO/IEC 25024 data quality measurement. Provide measures, including the associated measurement methods and data quality model quality Characteristics of the quality measurement element.

Figure 1 depicts the relationship between the various standards in the ISO/IEC 2502n Quality Measurement Division.

Figure 1 Quality Measurement Division structure

SQuaRE series of international standards overview and organization the SQuaRE series of international standards consists of five main and expansion divisions. An overview of each division in the SQuaRE series of standards is as follows.

--- ISO/IEC 2500n. Quality Management Division. The criteria that make up this division are defined by the SQuaRE family of standards all other public reference standards, terms and