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

GB/T 29831.1-2013

Functionality of system and software -- Part 1: Indicator system

系统与软件功能性 第1部分：指标体系

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Foreword

GB/T 29831 "systems and software functionality" is divided into three parts as follows.

--- Part 1. Index System;

--- Part 2. Measurement Methods;

--- Part 3. Test methods.

This section GB/T 29831 Part 1.

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

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

This section is drafted. Shanghai computer software technology development center, China
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Introduction

This section GB/T 29831 with reference to GB/T 16260.1-2006 "Software engineering - Product quality - Part 1. Quality model" put A functional index system and software.

Indicators listed in this section is not a complete set. The demand side, the evaluator, the supplier can select the appropriate indicators from this section, for a given Meaning functional quality requirements, evaluating software product functionality, quality measurement function of the case or for other purposes; can also modify or use metrics this section does not include the other metrics.

This section applies to a variety of software products and related computer systems with functional requirements, but not every indicator is applicable to all kinds of meter Computer software products and related systems.

The main users of this standard is expected to include.

- a) the demand side (obtained from the supplier or procurement system, software product or software service individual or organization);
- b) the evaluator (individual or organization to implement the evaluation);
- c) the supplier (the contract provided by the system, organization or individual software product or software service to the acquirer), which is indeed the eligibility test when using recognized software quality.

GB/T 29831.2 "systems and software functionality - Part 2. Measurement Methods" shows how to obtain a functional index measured values Measure, GB/T 29831.3 "systems and software functionality - Part 3. Test methods" describes the test method for functional indexes.

This section is intended to be used in conjunction with the GB/T 29831.2 and GB/T 29831.3.

Systems and software functionality Part 1. Indicator System

1 Scope

This section GB/T 29831 gives the system and the index system software functionality and its associated indicators defined, provides systems and software Member functional quality characteristics, demand-side system and software evaluator for the parties to provide a unified functional indicators.

This section applies to systems and software evaluation and functional testing, user can select the appropriate functional indicators for specific products and services.

NOTE: The system referred to in this section are primarily software system.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 11457 software engineering terminology GB/T 16260.1-2006 Software engineering - Product quality - Part 1. Quality model (ISO/IEC 9126-1:2001, IDT)

3 Terms and Definitions

Terms and definitions GB/T 11457 and GB/T 16260.1-2006 defined in this document apply.

4 Index System

Systems and software functionality index system shown in Figure 1. Divided into the completeness, accuracy, appropriateness, interoperability, security, privacy and compliance and other characteristics of a number of sub.

Figure 1 Functional Index System