

ICS 35.240
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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/Z 27414-2012

**Construction guide of testing resource information sharing
system**

(English Translation)

Issued on: January 1, 1970

Implemented on: January 1, 1970

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of People's Republic of China, China National Standardization
Administration**

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Foreword

This Guidance Document is drafted in accordance with the rules given in GB/T 1.1-2009.

The guidance of technical documents by the National Certification and Accreditation Administration certification and accreditation Technical Research Institute.

The guidance of technical documents by the National Certification and Accreditation Standardization Technical Committee (SAC/TC261) centralized.

The drafting of the guidance of technical documents. Certification and Accreditation Administration Certification and Accreditation Institute, Chinese Academy of Sciences Machine Network Information Center, Certification and Accreditation Administration of China Information Center.

Introduction

Testing is an important part of national scientific and technological work and scientific research and innovation activities, and an important task related to national economy and the people's livelihood. Detect resources Information is the basic guarantee to ensure the accuracy of scientific research and the reliability of scientific research conclusion, as well as to improve product quality and safeguard public interest Building an equitable society and government administration and management of the important technical basis for the detection work is carried out effectively support and protection. To make a huge number, distribution Scattered detection resources to maximize the use of information, the use of advanced computer, Internet and other information technology to build detection of information resources Sharing system, in order to achieve the detection of information sharing resources this important measure.

In recent years, the experience of informatization construction and resource information sharing projects both at home and abroad shows that standard norm is important for resource information sharing basis. Standards and standards are based on the wisdom of all parties involved in the field to complete, is a collective consensus on the work content, methods, goals of the field. its Implementation can be unified implementation, improve work efficiency and construction quality, reduce resource information integration,, service costs. Therefore, standardized Detecting the construction of resource information sharing is the key to the smooth construction and operation of resource sharing system.

Detection of information sharing system construction All relevant departments and units can be implemented under the guidance of this standard detection of resource information sharing system Construction.

Test resource information sharing system construction guide

1 Scope

This standard specifies the basic principles of testing the construction of information sharing system, the content of construction, sharing methods, service targets, the overall framework, Workflow and technical requirements.

This standard applies to all test resource information sharing system.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB 2312 Information exchange with Chinese character encoding character set basic set

GB 18030 information technology exchange of information using Chinese character set
expansion of the basic character set GB/T 18391-2009 (all parts) Information Technology
Metadata Registration System (MDR) ISO/IEC TR14252 Information Technology POSIX
Open Systems Environment (OSE) Guidelines
[Information technology-Guide to the POSIX Open System Environment (OSE)]

3 Terms and definitions

The following terms and definitions apply to this document.

Testing

Use a variety of physical and chemical effects, select the appropriate method and device, the process of qualitative or quantitative analysis of specific objects.

Resource

Object with identity. Such as documents, services, people or institutions.

Note In this document, data resources are synonymous with data objects.

Testing resources testing resource Testing agencies, testing agencies qualification, testing capabilities, testing staff, testing equipment, testing materials, testing methods and standards, test results, etc.

Sum.

Category classifying According to the selected attributes (or characteristics) to distinguish the classification of objects, will have some common attributes (or characteristics) of the process together.

Testing resource classification According to the determined attributes (or characteristics) to detect the clustering of resources.

Classification table classification scheme A category system for categorizing objects in a subject area or collection of resources.