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

**中华人民共和国国家标准**

**GB/T 31071-2014**

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**General science and technology  
infrastructure-Principles and methods for  
conformance testing**

**科技平台 一致性测试的原则与方法**

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## **Foreword**

This Standard is drafted in accordance with the rules specified in GB/T 1. 1-2009.

This Standard was proposed by and shall be under the jurisdiction of China National Technical Committee for Standardization of Science and Technology Platform (SAC/TC 486).

Drafting units of this standard: China National Institute of Standardization, National Science and Technology Infrastructure Center, Beihang University, Computer Network Information Center, Chinese Academy of Sciences and Qingdao University.

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## **Reference**

Science and technology resources feature wide varieties and great quantities. With the help of conformance testing methods, science and technology resources, criteria and relevant standards can maintain conformance to avoid unnecessary overlapping, repetition and even contradiction. This Standard produces the criteria to be fulfilled when statements are in conformance to relevant standards. Conformance testing on science and technology resources and standards can accelerate integration and sharing of science and technology resources.

# **General Science and Technology Infrastructure Principles and Methods for Conformance Testing**

## **1 Scope**

This Standard specifies the basic principles, methods and processes.

This Standard applies to conformance testing between science and technology resources, general science and technology infrastructure standards and relevant standards.

## **2 Normative references**

Following documents are indispensable for application of this document. For the dated documents so quoted, only dated versions apply to this document. For the undated documents so quoted, the latest versions (including all modification sheets) apply to this document.

GB/T 19333.5-2003 Geographic information—Conformance and testing

## **3 Terms and Abbreviations**

The terms and definitions defined in GB/T 19333.5-2003 and mentioned below apply to this Document. For ease of use, some terms and definitions appearing in GB/T 19333.5-2003 are repeated here.

### **3.1.1 Science and Technology (S&T) Resources**

The generic term of human, material and financial resources for science and technology activities as well as elements such as organization, management and information.

[GB/T 31075-2014, Definitions 2.2.1]

### **3.1.2 General Science and Technology (S&T) Infrastructure Standard**

A normative document agreed to be established and approved by competent standardization organization concerned for joint use or reuse to obtain the best order in the sphere related to the general science and technology infrastructure.

[GB/T 31075-2014, Definitions 2.1.5]

### **3.1.3 Conformance**

Requirements for meeting what is specified.

[GB/T 19333.5-2003, Definitions 3.8]

### **3.1.4 Conformance Assessment Process**

The process of making an assessment of the conformance a standard fulfils

[GB/T 19333.5-2003, Definitions 3.9]

### **3.1.5 Conformance Clause**



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