

ICS 35.240.70; 07.040
CCS L 67



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

GB/T 21337-2008

**Geographic information -- Quality principles
(English Translation)**

Issued on: January 9, 2008

Implemented on: August 1, 2008

Issued by: Standardization Administration of China

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Introduction

Share geographic data collection, exchange and beyond the producers intended purpose applications are increasing. The value of the data set and its data quality Directly related to the amount and quality of information geographic data sets is crucial for selecting data collection process. Data user requirements for data quality finish Identical. The accuracy of some of the data requirements of the user data is very high, in order to meet specific needs, and other users of the data to be accurate Demand is relatively low. Due to technological advances, allowing collection and use of quality data beyond the needs of users of geographic data sets, geographic data quality Information is becoming a decisive factor in data applications.

Description of geographic data quality in order to facilitate the selection of the most suitable applications of geographic data sets. The complete set of the data quality description can promote Into the corresponding share geographic data sets, exchange and use. Geographic data set can be considered a commodity or product. Geographic data so that the data quality information Producer or supplier can confirm the data sets of the product specification conformance, and user data to help determine the products that meet their specific Capacity demanding applications.

The goal is to provide a standard description of geographic data quality elements and basic concepts of geographic data processing quality information.

GB/T 21337-2008/ISO 19113:2002 Geographic information quality principles

1 Scope

This standard establishes the basic elements describe geographic data quality, provides part of the organization and quality of the data channel quality information reports Interest method.

This standard applies to data producers to provide quality information, formally or implicitly describe and evaluate the data set by product specification for on the domain mapping degree of compliance, and apply data users to determine whether a particular geographic data quality to meet their specific application requirements.

Relevant units to access and purchase data should refer to this standard, a measure of whether the product meets specifications. It can also be used to define the application mode Type and description of quality requirements.

The basic elements of the standard quality for digital geographic data, can be extended for the quality of the letter of recognition, collection and reporting of geographic data sets the quality of information, its basic elements can also be extended to identify, collect and report data set series, or as a collection of data sets smaller data sets information.

Although the geographic data standard is applicable to digital geographic data, but the

basic element can be extended to many other forms, such as maps, plans Tables and documents.

This standard is not specified geographic data acceptable minimum quality requirements.

2 Conformance

Any declaration of this standard is consistent with the product must comply with all the requirements presented in Appendix A of the abstract test suite is described.

3 Normative References the following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 7408-2005 data elements and interchange formats - Information interchange dates and times (ISO 8601:2000, IDT) GB/T 19000-2000 Quality Management System - Fundamentals and vocabulary (ISO 9000:2000, IDT) GB/T 19710-2005 Geographic Information Metadata (ISO 19115:2003, MOD) GB/T 21336-2008 Geographic information quality evaluation process (ISO 19114:2003, MOD) ISO 19109:2005 Geographic information - Rules for application

4 Terms and Definitions this standard uses the following terms and definitions.

Under certain conditions of observation, and valuation function and its deviation from the true value.

Meet the requirements.

[GB/T 19333.5-2003]

GB/T 21337-2008/ISO 19113:2002