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

DZ/T 0268-2014

**Inspection and evaluation of quality for geological data
(English Translation)**

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Foreword

This standard is based on the principle of improving scientific, accuracy and practicability, in accordance with GB/T 1.1-2009 "Standardization Work Guide Part 1 Minute. Standard Structure and Writing Requirements.

This standard was proposed by the Ministry of Land and Resources of the People's Republic of China.

This standard is under the jurisdiction of the National Land Resources Standardization Technical Committee (SAC/TC93).

This standard was drafted. Development Research Center of China Geological Survey, Shandong Provincial Land Resources Information Center, Tongji University.

1 Scope

This standard specifies the quality elements of digital geological data, defect classification, inspection items, acceptance and supervision sampling inspection methods, inspection and evaluation.

The rules and methods, as well as the process and implementation requirements of data quality inspection and evaluation.

This standard is applicable to the digital production of existing data and the quality inspection of data production process based on field or field data digital collection and construction.

Inspection and control, quality inspection and evaluation of data acceptance process, and supervision and inspection of data quality, relevant in geological database (set) construction specifications Preparation of quality requirements, etc. Supervised sampling inspection of project quality can also be referred to implementation.

2 Normative references

The following documents are indispensable for the application of this document. 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/T 2828.4-2008 - Test procedures for counting sampling - Part 4. Procedures for assessing quality levels GB/T 2828.11-2008 Procedures for the enumeration of samplings - Part 11. Procedures for the assessment of quality levels GB/T 10111-2008 Generation of random numbers and its application in product quality sampling inspection GB/T 13989-2012 National basic scale topographic map framing and numbering GB/T 18316-2008 Quality inspection and acceptance of digital surveying and mapping results GB/T 21336-2008 Geographic Information Quality Evaluation Process GB/T 21337-2008 Geographic Information Quality Principles

3 Terms, definitions and symbols

The following terms, definitions, and symbols apply to this document.

3.1 Terms and definitions

3.1.1

Data quality element Describe the data quality characteristics that match the data specification or user requirements.

Note: For data, quality attributes such as integrity, logical consistency, and data source validity can be quality elements of the data. Data quality elements can be divided for different levels.

3.1.2

Individual item

The basic unit of quality inspection, also known as the inspection unit. Can be a frame, feature, entity, or data item.

3.1.3

Inspection lot

A certain number of individuals that are produced and brought together for sampling inspection according to the same technical requirements, referred to as batches.

Note 1: Rewritten according to GB/T 2828.1-2012 and GB/T 18316-2008.

Note 2: The inspection lot that supervises the sampling inspection is called the supervision batch.