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

GB/T 18316-2008

Replacing GB/T 18316-2001

**Specifications for inspection and acceptance of quality of
digital surveying and mapping achievements**

数字测绘成果质量检查与验收

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Foreword

This standard replaces GB/T 18316-2001 "digital mapping products for inspection, acceptance and quality assessment." This standard GB/T 18316-2001, compared changes in technical content include.

--- Delete the reference to deficiencies and defects demerit point system;

--- Proposed quality elements, quality sub-elements, check the items three quality model to assess the results of checks at the core quality;

--- For the acceptance of the new proposed sampling plan;

--- Advocate program to check is the preferred method. Appendix A of this standard is a normative appendix. This standard is proposed and managed by the State Bureau of Surveying and Mapping. This standard was drafted. Standardization Institute of Surveying and Mapping National Mapping Bureau, National Mapping Product Quality Supervision and Testing Center, measured in Shaanxi Province Painted Product Quality Supervision and Inspection Station. The main drafters of this standard. Deng Guoqing, Ma Xiaoping, Macong Li, Tan Ming Jian, Jiao Jing Mei, Yan Zeng Wei Yanfeng Long. This standard replaces the standards previously issued as follows:

--- GB/T 18316-2001.

This standard is based on ISO 19113 "Geographic information quality principles", ISO 19114 "Geographic information quality evaluation process", ISO 19138 Relevant provisions of the "GIS data quality metrics" in the combination of digital surveying and mapping achievements of the current level of production technology, quality control of water Reality level, inspection and acceptance of GB/T 18316-2001 "digital mapping products for inspection, acceptance and quality assessment" carried out repair Order. This standard focuses on the needs of basic survey and consider digital surveying and mapping results. Digital mapping results quality inspection and acceptance

1 Scope

GB/T 18316-2008 is the Chinese national standard on specifications for inspection and acceptance of quality of digital surveying and mapping achievements, in the field of natural and applied sciences. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 2 July 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 December 2008. Classification: ICS 07.040, CCS A75. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the digital mapping results of inspection and acceptance and quality assessment requirements, contents and methods. This standard applies to the process of fundamental geographic information digital mapping results of inspection, final inspection and acceptance. Other digital mapping results available Referring use.

2 Terms and definitions

The following terms and definitions apply to this standard.

2.1 For the implementation of the inspection, and acceptance of the basic unit of division.

Note. should the "web" as a unit. When there is a demand in the production of the principal, the mapping unit case may be authorized area, collection of feature classes, feature division etc. Unit results.

2.2 The same technical design requirements produced under the same set of results of the survey area unit.

2.3 The number of units in the batch achievement outcomes.

2.4 Quantitative description of the quality, the qualitative component. That achievement meet the requirements and use of the basic characteristics of purpose.

Note. The contents of elements depends on the quality of the applicability of the results of its achievement standard, not all of the elements of quality for all results. [

ISO 19113.2002, Terminology 4.5]

2.5 Part of the quality elements describe a particular aspect of the quality elements. [

ISO 19113.2002, the term 4.11]

2.6 Check the quality of the content of child elements. Description Minimum implementation of the object minimum unit mass, quality inspection and assessment.

2.7 Check the unit to check the results of the quality requirements for all items.

2.8 Check the results of a particular unit checks the quality requirements.

Note. The term generally refers to a specific examination important, quality requirements of particular interest or index, or systemic bias, error checks.