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

GB/T 17278-2009

Replacing GB/T 18315-2001

Basic requirements for products of digital topographic map

数字地形图产品基本要求

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Foreword

This standard replaces GB/T 17278-1998 "digital topographic map products" and GB/T 18315-2001 "digital topographic map series and basic requirements". This standard and GB /and GB/T 18315-2001, compared T 17278-1998 main changes are as follows:

- a) change the name of the standard.
- b) changing the structure of the standard, the standard of the technical elements in reference to ISO 19131.2007 "Digital Geographic Information Product Specifications" Structure. The change does not affect the references GB/T 17278-1998 "digital topographic map products" and GB/T 18315-2001 "digital topographic map series and basic requirements of the" standard of the relevant national and industry standards, but the relevant standard An updated version of this standard should be cited.
- c) basic coverage of the GB/T 17278-1998 and content GB/T 18315-2001 two standards, canceled to scale classification.
- d) Added Appendix A, Appendix B. This standard Annex A, Annex B is informative appendix. This standard was proposed by the State Bureau of Surveying and Mapping. This standard by the National Standardization Technical Committee on Geographical Information (SAC/TC230) centralized. This standard was drafted. Chinese Academy of Surveying and Mapping, National Mapping Bureau of Surveying and Mapping Standardization Institute, the National Basic Geographic Information Center, built Let Comprehensive Survey Research and Design Institute. The main drafters of this standard. Su Shan dance, Deng Guoqing, in

Ronghua, Li Li, Yan Hongmei Huang Jian. Basic requirements for digital topographic map products

1 Scope

GB/T 17278-2009 is the Chinese national standard on basic requirements for products of digital topographic map, 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 6 May 2009 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 October 2009. Classification: ICS 07.040, CCS A79. 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 basic requirements of digital topographic map products classification, composition, product identification, content structure, data quality and other aspects. This standard applies to digital topographic map of product development and production, and other digital map products available for implementation.

2 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 Data elements and interchange formats - Information interchange the date and time notation (GB/T 7408-2005, ISO 8601. 2000, IDT)

GB/T 13923 fundamental geographic information features and classification codes

GB/T 13989 national basic scale topographic maps and numbering

GB/T 14268-2008 national primary scale topographic map specification update

GB/T 16820 Map of academic language

GB/T 17694-2009 Geographic information term (ISO 19104.2008, IDT)

GB/T 17798 geospatial data interchange format

GB/T 17941 quality requirements of digital surveying and mapping results

GB/T 18316 digital mapping results quality inspection and acceptance

GB/T 19710 Geographic Information Metadata (GB/T 19710-2005, ISO 19115.2003, MOD)

GB/T 20257 national basic scale map schema

GB/T 20258 basic geographic information data element dictionary

GB/T 21336 Geographic Information Quality Evaluation Process (GB/T 21336-2008, ISO 19114.2003, MOD)

3 Terms and Definitions

GB/T 16820, and the following terms and definitions GB/T 17694-2009 established applicable to this standard.

3.1 According to a certain mathematical laws, the use of symbology, text annotation, graphically, digital or multimedia form to represent various natural and social It will support economic phenomena. [GB/T 16820]

3.2 Comprehensive reflection of the general characteristics of the surface, including the main elements of physical and human geography, but not outstanding which represent a particular element of map. [GB/T 16820]