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

GB/T 12343.1-2008

Replacing GB 12344-1990

**Compilation specifications for national fundamental scale maps
- Part 1: compilation specifications for 1:25 000 1:50 000 1:100
000 topographic maps**

国家基本比例尺地图编绘规范 第1部分: 1:25 000 1:50 000 1:100 000地形图编绘
规范

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Foreword

GB/T 12343 "national basic scale map compilation specification" is divided into three parts.

--- Part 1. 1:25000 1:50000 1:100000 topographic map compilation specification;

- Part 2. 1:250000 topographic map compilation specification;
- Part 3. 1:500000 1:1000000 topographic map compilation specification. This section GB/T 12343 Part 1. This Part replaces GB 12343-1990 "1:25000 1:50000 topographic map Compilation norms" and GB 12344-1990 "1:100000 topographic map compilation norms." This section with GB 12343-1990, GB 12344- The main changes compared to 1990 are as follows:
 - "Editing preparation" section renamed the "preparatory work", which removed the book about editorial design area clear, carving and working method instruction of;
 - Compilation of technical modifications Methods section of the map compilation technology and methods, provides "first collect topographic data symbol editing" and "Terrain data collection and editing symbols simultaneously" in two compilation methods, and increased compilation of a flowchart, delete pavilion, collage, The traditional method of compilation and other operations;
 - After the original "content of the elements of topographic map compilation" section was renamed "topographic map data integration requirements" to "preparation" section, add Plus selected indicators GB/T 20257.3 topographic map illustrated in the increase of the feature elements, and some of the elements of a comprehensive feature Select the index made appropriate changes;
 - Delete the original Chapter 7, the section relating to the printed picture produced clear, carving content, increasing the elements of the relationship between treatment and so on. Appendix A of this section is an informative annex. This section is proposed and managed by the State Bureau of Surveying and Mapping. This in part by the National Mapping Bureau of Surveying and Mapping Institute of Standardization responsible for drafting. The main drafters of this section. Ma Xiaoping, Xiao Guoxiong, Duan Yihong. This part of the standard replaces the previous editions are.
- GB 12343-1990, GB 12344-1990.

Topographic map compilation specifications national standards GB 12343 "1:25000 1:50000 topographic map compilation norms", GB 12344 "1:100000 topographic map compilation norms", GB 15944 "1:250000 topographic map compilation specification and drawings", GB/T 14512 "1:1000000 topographic map compilation specification and drawings," and industry standards CH/T 4011 "1:500000 topographic map compilation specification and drawings" were Has been implemented for many years, they have played an important role in China's national economic construction and mapping production work. In order to adapt to the digital mapping production The need to maintain coordination with the respective scale topographic map schema standard structure, it is necessary to adjust the structure of topographic map compilation standard specification. Tone After the whole structure as the preface. This section is GB 12343-1990, GB 12344-1990 adjusted revised completion. National basic scale map compilation specification Part 1. 1:25000 1:50000

1.100000 topographic map compilation specification

1 Scope

GB/T 12343.1-2008 is the Chinese national standard on compilation specifications for national fundamental scale maps - part 1: compilation specifications for 1:25 000 1:50 000 1:100 000 topographic maps, 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 20 June 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 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.

GB/T 12343 provisions of this part of the basic requirements for compilation 1:25000, 1:50000, 1:100000 topographic maps, technical methods And the elements of a comprehensive topographic map requirements and technical specifications. This section applies to the compilation 1:25000, 1:50000, 1:100000 topographic map, scale thematic map compilation corresponding geographical bottom Referring to FIG can use.

2 Normative references

The following documents contain provisions which, through

GB/T 12343 reference in this text, constitute provisions of this part. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Research into whether the parties to the agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 13989 national basic scale topographic maps and numbering

GB/T 20257.3 national basic scale map drawings - Part 3. 1:25000 1:50000 1:100000 terrain FIG formula CH/T 1004 mapping technology design requirements

3 Terms and Definitions

The following terms and definitions apply to this section.

3.1 Use more than mapping scale topographic map data and updates, by stitching and coordinate conversion, and update the content of choice, and cartographic generalization Editing, compilation techniques to obtain compliance with the requirements of the mapping

scale topographic map process.

3.2 Surface features, topography and the spatial coordinate geometry data, refer to non-symbolic data.

3.3 Topographic map topographic maps after the data symbol editing compliance with the printing requirements.

3.4 Of topographic map contents according to certain rules and rules to select, summarize, exaggerated shift to reflect the characteristics of the basic drawing objects Typical characteristics and internal relations process.

4 Basic requirements topographic map

4.1 Mathematical basis Topographic Map Positioning Reference system.