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

GB 12340-1990

Replacing GB 12340-1990

**Specifications for aero photogrammetric office operation of 1:
25 000 1: 50 000 1
(English Translation)**

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Foreword

This standard replaces GB 12340-1990 "1:25000 1:50000 1:100000 within topographic map Aerophotogrammetry Business Regulation Fan. " Changes in the standard compared with GB 12340-1990, the main contents include.

--- Standard style, the wording of the statement in accordance with GB/T 1.1-2000 made comprehensive revisions;

--- Chapter 2 of the original standard was amended to add or modify the relevant standard reference;

--- 3.1.1 The original standard was amended plane coordinate system shall be prescribed by the State unified coordinate system, projection, according to the elevation system GB/T 18315 execution;

- 3.1.2 The original standard was amended to delete the Table 1, framing and numbered GB/T 20257.3 execution;
- 3.1.6 original standard was revised topographic map symbols and annotation specifications according to GB/T 20257.3 execution;
- The original 3.3 standard has been modified, aerial information should meet the requirements of GB/T 15661; and 3.5 --- original standard was revised, prepared according to the provisions of CH/T 1004 technical design books;
- Increased by 5.1 "Preliminary work", and GB/T 7930-2008 "1:500 1:1000 1:2000 aerial photography, topographic map Measurement within industry norms" in Chapter 5, section number and content coherence;
- Increased 10.1 Technical Summary;
- Original standard was revised 10.1, 10.2 turns, aerial mapping products within the industry, according to CH1002, CH1003 provisions subject Check acceptance.

This standard was proposed by the State Bureau of Surveying and Mapping.

This standard by the National Standardization Technical Committee on Geographical Information.

This standard by the National Mapping Bureau of Surveying and Mapping Institute of Standardization responsible for drafting.

Introduction

With the development of science and technology, tremendous changes in production technology and mapping systems occurred. In order to maintain the integrity of the original technology system, now Systematic coordination between the standard and the standard system, the integrity of this standard revision process, proven correct fit Management of technical methods and specifications shall be maintained on the relevant standards and uncoordinated content has been modified. About new technologies and new methods Further development of standards.

1:25000 1:50000 1:100000 Topographic map and aerial photogrammetry within industry norms

1 Scope

This standard specifies the use of simulation, analytical photogrammetry method Topographic mapping 1:25000, 1:50000, 1:100000 Specifications, precision and within the industry, the basic requirements of the job.

This standard applies to aerial photogrammetry 1:25000, 1:50000, 1:100000 Topographic

jobs within the industry.

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 12341 1:25000,1:50000,1:100000 topographic map Aerophotogrammetry outside the industry norm GB/T 15661 1:5000,1:10000,1:25000,1:50000,1:100000 topographic map of aerial photography norm GB/T 18315 digital topographic map series and basic requirements GB/T 20257.3 national basic scale map drawings - Part 3.
1:25000,1:50000,1:100000 topographic map Schema CH/T 1001 Technical Summary mapping rules for preparation CH1002 mapping products for inspection, acceptance CH1003 Plotting Product Quality Standards CH/T 1004 mapping technology design requirements

3.1.1 Spatial coordinate system

Plane coordinate system should adopt national regulations unified coordinate system, projection, elevation system according to GB/T 18315 execution.

3.1.2 Topographic map of subdivision and number

Framing and numbered GB/T 20257.3 execution.

3.1.3 Terrain category

Within the range of most of the topographic map sheet categories of ground tilt angle and height division, provisions are shown in Table 1.

When the inclination angle of elevation with the ground conflict, the ground tilt angle prevail.

Table 1 terrain category in meters

Terrain category ground elevation angle of inclination 2 ° or less flat 600