

ICS 07.040
CCS A77



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

GB/T 12340-2008

Replacing GB 12340-1990

**Specifications for aerophotogrammetric office operation of 1:25
000 1:50 000 1:100 000 topographic maps**

1:25 000 1:50 000 1:100 000地形图航空摄影测量内业规范

Issued on: June 20, 2008

Implemented on: December 1, 2008

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

This standard replaces GB 12340-1990 "1:25000 1:50000 1:100000 within topographic map Aerophotogrammetry Business Regulation". 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;

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. The main drafters of this standard. Macong Li, Wang Zhanhong, Chen Jiliang, Jiang Xiang-luan, Du Xiaoxia, Ren-yi. This standard replaces the standards previously issued as follows:

--- GB 12340-1990.

1 Scope

GB/T 12340-2008 is the Chinese national standard on specifications for aerophotogrammetric office operation of 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 A77. 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 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 Topographic Map Specification

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 < 80 Hilly 2 ° ~ 6 ° 80 ~ 300 Mountain 6 ° ~ 25 ° 300 ~ 600 Alpine to more than 25 ° > 600