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

GB/T 12341-2008

Replacing GB 12341-1990

**Specifications for aerophotogrammetric field work 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外业规范

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Foreword

This standard replaces GB 12341-1990 "1:25000, 1:50000, 1:100000 topographic map Aerophotogrammetry outside the industry norm." This standard compared with GB 12341-1990 main changes are as follows:

- According to GB/T 1.1-2000 "Standardization Guide Part 1. Standard structure and drafting of rules" were the standard Amendment;
- Modify the scope of the standard;
- Increased eight normative references;
- Topographic map specifications for the content has been modified;
- Increased tone paint content. The standard Appendix C, Appendix D, Appendix E, Appendix F, Appendix G are normative appendices. The Standard Appendix A, Appendix B is an informative annex. 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 was drafted. National Mapping Bureau of Surveying and Mapping Standardization Institute. The main drafters of this standard. Wu Wei, Deng Guoqing, Songying Xian, Xu Zhuoqun, Wu Meng play. This standard replaces the standards previously issued as follows:

--- GB 12341-1990.

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, the standard revision process, proven correct and reasonable Technical methods and specifications shall be maintained on the relevant standards and uncoordinated content has been modified. New technologies and methods related to another Line established. 1:25000 1:50000 1:100000 Topographic map

aerophotogrammetry outside the industry norm

1 Scope

GB/T 12341-2008 is the Chinese national standard on specifications for aerophotogrammetric field work 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 Outside the industry, the basic requirements of the job. This standard applies to 1.25000,1.50000,1.100000 topographic maps and aerial photogrammetry production operations outside 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 13923 fundamental geographic information features and classification codes

GB/T 13989 national basic scale topographic maps and numbering

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 Schema Part 3 1.25000 1.50000 1.100000 terrain
FIG formula 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 Specification topographic map

3.1.1 Spatial Reference System The state plane coordinate system uses a unified coordinate system; while, if necessary, can be used according to the law approved by the independent coordinate system. Projection, high Drive system according to GB/T 18315 execution.

3.1.2 Framing and Numbers Framing and numbered GB/T 13989 execution.

3.1.3 The basic contour interval The basic contour interval by GB/T 18315 execution. Press terrain category within Mapsheet range most of the ground slope and elevation divided (see Table 1). When the height and slope of the ground conflict, the slope of the ground prevail. A picture should adopt a basic contour interval, the basic contour interval does not indicate relief Features should be added between the measured curve and help curve.

3.1.4 Elevation Note Elevation Note the obvious point should be selected in the feature point and the terrain feature points, its density is within the figure per 100cm², plains, hills 10 ~ 20, mountains, alpine terrain and ground feature points sparse areas of 8 to 15. Elevation Annotation in meters, 1.25000 mapping should note to 0.1m, 1.50000, 1.100000 mapping should note to the whole meter.

3.1.5 Symbols and Notes Symbols of topographic maps and a variety of annotation according to GB/T 20257.3 of.