

ICS 07.040??
CCS A 77



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

GB 12341-1990

Replacing GB 12341-1990

**Specifications for aero photogrammetric field work of 1: 25 000
1: 50 000 1
(English Translation)**

Issued on: June 20, 2008

Implemented on: December 1, 2008

Issued by: Standardization Administration of China

Table of Contents

Introduction

Introduction

1 Scope

2 Normative references

3 1 General Provisions

4 Layout Photo Control Point

5 Based control point Measurement

6 Photo Control Point Measurement

7 Combined method

8 Photo tone paint

9 Mapsheet Edge, and turned over the results of inspection and acceptance

Baseline Number of intervals route mesh point between the control points in Appendix A
(informative)

Annex B (informative) area mesh dot pattern

Appendix C (Normative Appendix) R value table

Annex D (normative) Control 41 photo finishing formats

Appendix E (normative) Check angle tolerance

Annex F (normative) modulation format painted photo finishing

Annex G (normative) on a topographic map showing military installations and state
secrecy provisions units

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.

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, 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

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

3.1.1 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.