

ICS 07.040
CCS A 77



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

GB 7930-1987

Replacing GB 7930-1987

**Specifications for aerophotogrammetric office operation of 1:
500 1: 1 000 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

3.1 Topographic Map Specification

Accuracy 3.2 Topographic Map

3.3 Pairs of aerial data requirements

3.4 Pairs of aerial outside the industry, the outcome of the claim

3.5 Technical Design

Requirements 3.6 pairs instruments

3.7 Requirements for other jobs Method

4 Photographic processing

4.1 General Requirements

4.2 Sun like

4.3 Of reply

4.4 Photographic typesetting

5 Analytical Aerotriangulation

5.1 Preparations

Foreword

This standard replaces GB 7930-1987 "1.500 1.1000 1.2000 within the topographic map and aerial photogrammetry industry norms." this standard compared with GB 7930-1987, the content changes include.

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

--- Increase the scope, normative references.

--- 1.1.1 The original standard was amended plane coordinate system shall be prescribed by the State unified coordinate system; when really necessary, can be used Legally approved independent coordinate system. Projection, elevation system according to GB/T 18315 execution.

--- 1.1.2 The original standard was revised topographic map of subdivision and numbered GB/T 20257.1 execution.

--- 1.1.6 original standard was revised topographic map symbols and annotation specifications according to GB/T 20257.1 execution.

--- The original 1.4 standard has been modified, aerial information should meet the requirements of GB/T 6962's.

1.6 --- original standard was revised, prepared according to the provisions of CH/T 1004 technical design book.

--- In Chapter 2, the original standard was added to the color photographic processing.

--- The original 8.1 standard has been modified, aerial mapping products within the industry, according to CH1002, CH1003 provisions of inspection and acceptance.

--- Increased 10.1 Technical Summary.

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.

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.

1.500 1.1000 1.2000

Topographic map and aerial photogrammetry within industry norms

1 Scope

This standard specifies the use of simulation, analytical photogrammetry mapping method 1.500,1.1000,1.2000 topographic map specifications, fine and within the industry, the basic requirements of the job.

This standard applies to aerial photogrammetry 1.500,1.1000,1.2000 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 7931 1.500,1.1000,1.2000 topographic map Aerophotogrammetry outside the industry norm GB/T 6962 1.500,1.1000,1.2000 scale topographic maps by aerial photography norm GB/T 18315 digital topographic map series and basic requirements GB/T 20257.1 national basic scale map Schema Part 1 1.500 1.1000 1.2000 Topographical Map 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 be used to coordinate a unified state; independent coordinate system when strictly necessary, can be legally approved. Projection, high Drive system according to GB/T 18315 execution.

3.1.2 Topographic map of subdivision and number

Framing and numbered GB/T 20257.1 execution.

3.1.3 Terrain category

Ground. the vast majority of the ground slope at 2 ° the following areas;

Hills. most of the ground slope between 2 ° ~ 6 ° area;

Mountain. the vast majority of ground slope between 6 ° ~ 25 ° in the region;

Alpine to. the vast majority of the ground slope at 25 ° above areas.

3.1.4 The basic contour interval the basic contour interval based on type of terrain, the provisions in Table 1, the general use of a picture within a basic contour intervals. When the basic contours not when can show topographical features should be added between the measured curve, can be combined with the measured curve to help when necessary.

Flat area, according to Fig needs, may not draw contour lines, only elevation annotation dots.