

ICS 07.040
CCS A 79



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

GB 15968-1995

Replacing GB 15968-1995

**Specifications for remote sensing image plan making
(English Translation)**

Issued on: June 20, 2008

Implemented on: December 1, 2008

Issued by: Standardization Administration of China

Table of Contents

Introduction

1 Scope

2 Normative references

3 1 General Provisions

Preparation 2

5 With the correct image mosaic

6 Finishing, annotation

7 Inspection, acceptance

8 A plan view of the remote sensing image copied

Like displacement Appendix A (normative) caused by the Earth's curvature and height calculation formula

Foreword

This standard replaces GB 15968-1995 "remote sensing image plan production norms." the main changes compared to the Standard and GB 15968-1995 are as follows.

--- According to GB/T 1.1-2000 "Standardization Guide Part 1. Standard structure and write rules," the requirements of the standard input Was amended;

--- "Normative References" section by deleting the reference to the original standard "image map printing specifications" (GB/T 14510); increased Normative references "national basic scale map drawings - Part 3. 1:25000 1:50000 1:100000 Topographical Map "(GB/T 20257.3)," national basic scale map Schema Part 4. 1:250000,1:500000,

1:1000000 Topographical Map "(GB/T 20257.4)," Map printing specifications "(GB/T 14511)," digital mapping products Inspection and acceptance and quality assessment "(GB/T 18316);

--- "Preparatory work", the optical image, the light - a ground resolution requirements for electric scanned images and synthetic aperture radar images were Unify and improve the image of the ground resolution requirements indicators; "other data collection," adds to DLG (DLG), Digital Raster (DRG), a digital elevation model (DEM) data and information about the results of the control points collected video Claim;

--- "Finishing, annotation," the Review. finishing, annotation style references GB T 20257.3 GB/T provision/20257.4, and deleted Original standard "Appendix B 1:100000 remote sensing plan finishing style", "Appendix C 1:250000 remote sensing plane

Figure finishing style "and so on.

Appendix A of this standard is a normative appendix.

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

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

1 Scope

This standard specifies the remote sensing image 1:100000, 1:250000, 1:500000, 1:1000000 plan specifications, accuracy and the basic requirements of the production.

This standard applies to the use of aerospace remote sensing remote sensing image data produced 1:100000, 1:250000, 1:500000, 1:1000000 Image plan.

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 12340 1:25000 1:50000 1:100000 within topographic map Aerophotogrammetry industry norms GB/T 13989 national basic scale topographic maps and numbering GB/T 14511 Map printing specifications GB/T 18316 digital mapping products inspection and acceptance standards and quality assessment GB/T 20257.3 national basic scale map drawings - Part 3. 1:25000 1:50000 1:100000 terrain FIG formula GB/T 20257.4 national basic scale map drawings - Part 4. 1:250000 1:500000 1:1000000 Topographical Map CH1002 mapping products for inspection, acceptance CH1003 Plotting Product Quality Standards CH/T 1004 mapping technology design requirements CH/T 3002 1:10000 1:25000 scale image plan operating procedures

3.1.1 Image Quality

Remote sensing images should plan rich layers, legible, uniform hue, contrast medium; color image fusion should be realistic Naturally, color balance, color cast and no obvious traces of stitching.

3.1.2 Horizontal Accuracy

The feature point with respect to the vicinity of the control point, the point on the map graticule or kilometer grid points in error satisfies the following requirements.

- a) plains, hills, not greater than $\pm 0.5\text{mm}$, mountain, not more than $\pm 0.75\text{mm}$;
- b) areas with particular difficulties can relax terrain category 0.5 times;
- c) The use according to user needs and a plan view of remote sensing images, the maximum should not exceed twice in error.

3.1.3 Mapsheet size requirements

FIG profile difference between the actual and theoretical dimensions should not exceed the size of the absolute value specified in Table 1.