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

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**Specification for making remote sensing image map (1: 50
000/1: 250 000)**

遥感影像地图制作规范 (1: 50000、1: 250000) 清晰版
(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard was proposed by the Ministry of Land and Resources of the People's Republic of China.

This standard is under the jurisdiction of the National Land Resources Standardization Technical Committee (SAC/TC93).

This standard was drafted. China Land Resources Aviation Geophysical and Remote Sensing Center.

Introduction

In recent years, with the sustained and rapid development of the national economy, remote sensing technology plays an important role in the investigation of land and resources, especially in geology.

Remote sensing imagery is widely used in survey applications. Due to the lack of uniform technical requirements for the production of digital remote sensing image maps, Remote sensing image maps have large differences in image processing, image accuracy, surface decoration, and surface annotation. At the same time, remote sensing image maps the data structure and format are also inconsistent, which affect the versatility of remote sensing image maps. The development and implementation of this standard, the standard remote sensing the production of image maps, improving the ability of image map data sharing, and improving the application level of remote sensing technology will play an important role.

Remote sensing image map production specification (1.50000/1.250000)

1 Scope

This standard specifies the principles for the production of 1:50000 and 1:250000 remote sensing image maps, image processing, image map finishing, and maps.

Technical requirements for output and quality inspection.

This standard applies to the use of satellite remote sensing data to produce 1:50000 and 1:250000 remote sensing image map work. Other scales the production of image maps. Can be implemented with reference to this standard.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only the dated version applies to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 20257.3-2006 National Basic Scale Map Drawing Part 3. 1:25000/1:50000/1:100000 Topographic map
GB/T 13923-2006 basic geographic information element classification and code
GB/T 13989-2012 National basic scale topographic map framing and numbering

3 Terms and definitions

The following terms and definitions apply to this document.

Remote sensing image map Based on remote sensing image elements, supplemented by appropriate geographic elements, it has a strict mathematical foundation and standardized surface decoration, in line with the map.

What is the accuracy required for the drawing.

Ground resolution

The physical resolution of remote sensing instrument design, also known as spatial resolution, is the size of the real area of remote sensing image pixels. When represented by pixels when the ground range is square, it is usually expressed by a side length of the cell.

Image resolution Refers to the number of points per unit length of the remote sensing image, expressed in points per inch (dpi), reflecting the dimensional accuracy of the input pixel.

Image registration Accurate superposition of spatial locations of the same-named points between satellite images acquired at different times or between different bands of images.

4.1.1 Basic elements

Including remote sensing images, map names, legends, scales, internal and external outlines, coordinate notes, diagrams, image stitching tables, responsibility sheets and related texts