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

GB/T 13990-2012

Replacing GB/T 13990-1992

**Specifications for aerophotogrammetric office operation of 1:5
000 1:10 000 topographic maps**

1:5 000 1:10 000 地形图航空摄影测量内业规范

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB/T 13990-1992 "within 5000 1.10 000 topographic map and aerial photogrammetry industry norms." This standard compared with GB/T 13990-1992, content changes include.

--- Standard style, the wording of the statement in accordance with GB/T 1.1-2009 made

comprehensive revisions;

--- Chapter 2 of the original standard was amended to add or modify the relevant standard reference;

--- 5000 topographic map of the original standard specifications and accuracy of detailed provisions until 1:10 000 topographic map specifications and accuracy Related reference pick CH/T 1011-2005 "Basic Geographic channel digital product 1:50000 1:10 000 DLG" in Content of the lack of encryption point accuracy supplementary provisions;

3.1.1 The original standard was amended plane coordinate system shall be prescribed by the State unified coordinate system, projection, according to the elevation system GB/T 17278 execution;

3.1.2 The original standard was revised framing and numbered GB/T 13989 execution;

3.1.6 original standard was revised topographic map symbols and annotation specifications according to GB/T 20257.3 execution;

--- The original

3.3 standard has been modified, aerial information should meet the requirements of GB/T 15661; and 3.5

--- original standard was revised, prepared according to the provisions of CH/T 1004 technical design books;

--- Increased by 5.1 "Preliminary work", and GB/T 7930-2008 "1:500 1:1000 1:2000 aerial photography, topographic map Measurement within industry norms "in Chapter 5, section number and content coherence;

--- Chapter 6 of the original standard was modified from the original image into a plan view and a plan view photograph Orthophotomap;

6.1.3 adds image quality requirements;

--- Order 7.2,7.3,

1 Scope

GB/T 13990-2012 is the Chinese national standard on specifications for aerophotogrammetric office operation of 1:5 000 1:10 000 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 29 June 2012 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 October 2012. 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 mapping method 1:5000, 1:10000 topographic map of specifications, precision and within The basic requirements for business operations. This standard applies to aerial photogrammetry 1:5000, 1:10000 Topographic jobs within the industry.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 13977 1:5000 1:10000 topographic map Aerophotogrammetry outside the industry norm

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 17278 basic requirements of digital topographic map products

GB/T 20257.2 national basic scale map Schema Part 2. 5000 1:10 000 Topographical Map

GB/T 24356 mapping results quality inspection and acceptance CH/T 1004 mapping technology design requirements CH/T 1011 Basic Geographic Information Digital Product 1:50000 1:10 000 DLG

3 General

3.1 5000 topographic map specifications

3.1.1 spatial coordinate system Plane coordinate system should adopt national regulations unified coordinate system, projection, elevation systems should comply with GB/T 17278 requirements.

3.1.2 Framing and Numbers Subdivision number shall comply with GB/T 13989 of.

3.1.3 Terrain category Most of the terrain by category within the range of ground Mapsheet tilt angle and height division, provisions are shown in Table 1. When the inclination angle of elevation with the ground conflict, the ground tilt angle prevail.