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CCS A77



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

GB/T 13977-2012

Replacing GB/T 13977-1992

**Specifications for aerophotogrammetric field work of 1:5 000
1:10 000 topographic maps**

1:5 000 1:10 000 地形图航空摄影测量外业规范

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Foreword

This standard rule according to GB/T 1.1-2009 given draft. This standard replaces GB/T 13977-1992 "1:5000, 1:10000 topographic map Aerophotogrammetry outside the industry norm." This standard and GB/T 13977-1992 compared to the main changes are as follows:

- Increasing the scope of the standard;
- An increase of 9 normative references;
- Adjust the specifications of topographic map contents;
- Modify the tone paint content. This standard was proposed by the National Mapping Geographic Information Bureau. This standard by the National Standardization Technical Committee on Geographical Information (SAC/TC230) centralized. This standard was drafted. National Mapping Bureau of Surveying and Mapping Standardization Institute. The main drafters of this standard. Deng Guoqing, Macong Li, Yan Xiaoqing, Song Yingxian, from Wu Meng, Chen Jiliang. This standard replaces the standards previously issued as follows:
- GB/T 13977-1992.

With the development of science and technology, tremendous changes mapping production technology and production systems has occurred. In order to maintain the integrity of the original technology system , Systematic coordination between the existing standards and the standards of integrity, the standard revision process, proven correct Reasonable technical methods and specifications shall be maintained on the relevant standards uncoordinated content has been modified. The new technologies and new methods related to Further development of standards. 5000 1:10 000 topographic map Aerophotogrammetry outside the industry norm

1 Scope

GB/T 13977-2012 is the Chinese national standard on specifications for

aerophotogrammetric field work 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 5000, 1:10 000 topographic maps basic job outside the industry Claim. This standard applies to 5000, 1:10 000 topographic map simulation, analytical photogrammetry jobs outside the industry.

2 Normative references

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

GB/T 13923 fundamental geographic information features and classification codes

GB/T 13990 1:5000 1:10000 topographic map Aerophotogrammetry within industry norms

GB/T 15661 1:5000 1:10000 1:25000 1:50000 1:100000 topographic map of aerial photography norm

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/T1001 mapping rules for preparation of Technical Summary CH/T1004 mapping technology design requirements CH/T2004-1999 measurement outside the industry, the basic provisions of electronic records CH/T3001-1999 1:5000, 1:10000 scale topographic maps by aerial photographs chip integrated indoor and outdoor sentenced transfer method operating procedures (Trial)

3 General

3.1 specifications and accuracy of topographic map 5000, 1:10 000 topographic map specifications and accuracy should meet the requirements GB/T 13990 in.

3.2 pairs of aerial data requirements Aerial data shall comply with GB/T 15661 in.

3.3 pairs of other methods of job requirements Under this standard meet the accuracy

standards required under the premise of new technologies and new methods can be used in this standard are not included, but in technical design The book should be clearly stated requirements and regulations.

3.4 Technical Design Preparation of technical design document prescribed CH/T1004's.

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