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

GB/T 17157-2012

Replacing GB/T 17157-1997

**Specifications for aerial photogrammetric analytical mapping of
1: 25 000 1: 50 000 1
(English Translation)**

Issued on: January 1, 1970

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Foreword

This standard rule according to GB/T 1.1-2009 given draft.

This standard replaces GB/T 17157-1997 "1.250001.500001.100000 topographic map and aerial photogrammetry Digital Surveying FIG specification. " this standard and GB/T 17157-1997 compared to the main changes are as follows.

- Redefined the standard name and scope;
- Normative references have been revised;
- Modify the overall structure of the standard;
- References GB/T 12340, GB/T 20257.3, GB/T 12343.1 content and GB/T 24356 of;
- Delete the contents of the relevant digital photogrammetric systems and scanners for photo requirements;
- Increased its technical design requirements;
- Increase the photograph directional accuracy;
- Added "Related documentation" requirements;
- Modifications that should be turned over to adjust the results of the name of order.

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 by the National Mapping Bureau of Surveying and Mapping Institute of Standardization responsible for drafting.

1 Scope

This standard specifies the application of analytical photogrammetry mapping method 1.25000, 1.50000, 1.100000 topographic map mapping the basic job requirements, specifications and accuracy.

This standard applies to use aerial photography mapping analytical methods 1.25000, 1.50000, 1.100000 Topographic Mapping Production operations.

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 12340 1.250001.500001.100000 topographic map Aerophotogrammetry within industry norms GB/T 12341 1.250001.500001.100000 topographic map Aerophotogrammetry outside the industry norm GB/T 12343.1 national basic scale compilation Part 1. 1.250001.500001.100000 topographic map series Painted Specification GB/T 15661 1.50001.100001.250001.500001.100000 topographic map of aerial photography norm GB/T 17158 photogrammetric digital mapping recording format GB/T 20257.3 national basic scale map drawings - Part 3. 1.250001.500001.100000 topographic map Schema 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/T8015 HHS90-B/120-B CNC plotter

3.1 Specification topographic map

Topographic map specifications shall comply with GB/T 12340 the terrain feature symbols and annotation should be consistent with the provisions of GB/T 20257.3 of.

3.2 Mapping Accuracy

Within industry encryption point, the position of the feature point in the plane error within the industry, as well as encryption point elevation annotation point, elevation contours of error should be consistent the provisions of GB/T 12340 the maximum permissible error twice in error.

3.3 Requirements aerial data

Aerial data shall comply with GB/T 15661 in.