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CCS A77



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

GB/T 15661-2008

Replacing GB/T 15661-1995

**Specifications for aerial photography of 1:5 000 1:10 000 1:25
000 1:50 000 1:100 000 topographic maps**

1:5 000 1:10 000 1:25 000 1:50 000 1:100 000 地形图航空摄影规范

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Foreword

This standard replaces GB/T 15661-1995 "1.5000,1.10000,1.25000,1.50000,1.100000 topographic map navigation Empty photo criteria. " This standard and GB/T 15661-1995 compared to the main changes 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 It was modified.

--- Modify the standard English name.

--- There are six primary reference standard, which has three versions of the changes, which are. HG/T 3009 "film and film base mechanical scanning thickness measurement" (ISO 4593.1993, MOD) instead of the GB 6845 "sheet Determination, "the thickness of the base; GB/T 12938 "Determination of iodine processed photographic materials thiosulfate and other related chemicals residues - straight Starch, methylene blue and silver sulfide density method "(neq ISO 417. 1977) instead of GB/T 7519" after rinsing microfiche The Determination of residual thiosulfate "; GB/T 9045 "Photographic material ISO -resolution measurement" (ISO 6328.2000, IDT) instead of GB/T 9045 "Resolution of the photosensitive material determination."

--- Deleting references to the original standard ZBN35003 "board resolution."

--- Increased five references, they are. GB/T 16176 "Note aerial photography products and packaging"; GB/T 19294 "aerial photography technical design specifications"; MH/T 1004 "color infrared aerial photography quality control"; MH/T 1005 "photogrammetric aerial

photographic camera technical requirements"; MH/T 1006 "aerial photography cytometry norms."

3.2.2 aerial scale range 2 1:10000,1:50000 narrowed.

1 Scope

GB/T 15661-2008 is the Chinese national standard on specifications for aerial photography of 1:5 000 1:10 000 1:25 000 1:50 000 1:100 000 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 20 June 2008 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 December 2008. 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 film aerial photography technology
1:5000,1:10000,1:25000,1:50000,1:100000 topographic map Requirements, storage requirements and the quality of the results of inspection methods aerial equipment and aerial outcomes. This standard applies to the measurement system
1:5000,1:10000,1:25000,1:50000,1:100000 topographic map and aerial image map Photography.

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. Determination of

GB/T 9045 Photographic material ISO resolving power

GB/T 9862 black and white aerial photography film speed and average gradient measurement method

GB/T 12938 processed photographic material thiosulphate and other residual chemicals Determination of iodine - amylose , Methylene blue and silver sulfide density method

GB/T 16176 Note aerial photography products and packaging

GB/T 19294 technical design specifications Aerial Photography GJB647 Determination of

aerial photography film deformation rate Determination of

HG/T 3009 film and film base thickness of mechanical scanning MH/T 1004 color infrared
aerial photography quality control MH/T 1005 photogrammetric aerial photography
Technical Requirement MH/T 1006 aerial photography cytometry Specification

3.1 Air intake procedures and requirements of the program

3.1.1 aerial signing of the contract According to mapping needs, develop aerial mission,
taken from the aircraft and aerial units commissioned jointly agree on the implementation of
specific issues, the development of aerial Plan, aerial signed contract. Technical content

3.1.2 aerial contract The main technical content aerial contract should include.

- a) regional and aerial photography area (subject area should range of latitude and longitude
and a little icon with a number of pieces of Ming and subject area slightly Mapping of the
format and requirements According to GB/T 16176 Executive);
- b) mapping method, mapping and photography scale scales;
- c) route laying method, photo and heading off to overlap;
- d) air camera type, technical parameters and aerial subsidiary instrument parameters;
- e) type of aerial film and other photosensitive material performance requirements;

3.2.4 b) of the M image/M diagram from the original

3.2.7.1 adds support for aerial distance of the main instrument requirements.

3.2.7.2 Calibrating aerial accuracy improves.

4.1.3 relaxed individual cases rotating angle requirements.

--- Increased vulnerability patch

4.1.9 camera condition.

4.2.8 increased use of color, color infrared aerial photography flight quality film and
photographic quality.

--- Chapter 6 by deleting the original

6.1.2.1 and 6.1.2.2,

6.1.2 original negatives and annotation number was adjusted to

6.1.1 now, negatives and numbers Note on the implementation of GB/T 16176-1996 of the
relevant provisions.

--- Deleting the original 6.1.1.4,

6.1.1.3 original content to its present format specification 6.1.2.1.3 index map, annotation, content and requirements, according to GB/T 16176-1996 implementation of the relevant provisions. 6.1.1

6.1.2 is now adjusted to the original.

--- Increased production

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