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

GA/T 1580-2019

**Forensic sciences - Code of practice for examination of
plate-based printing documents**

法庭科学 制版印刷文件检验技术规程

(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 National Criminal Technical Standardization Technical Committee Document Inspection Sub-Technical Committee (SAC/TC179/SC10) mouth.

This standard was drafted. Wuhan Municipal Public Security Bureau, Ministry of Public Security Material Evidence Identification Center, Hubei Police Academy, Hubei Provincial Public Security Department.

1 Scope

This standard specifies the inspection procedures for plate-making printed documents in the technical field of forensic scientific document inspection.

This standard applies to the identification and identification of plate-making printed documents in the field of forensic science.

2.1 Inspection of samples and samples

Inspection of materials and samples shall be in the following order.

a) Form of analysis material.

1) The inspection materials are not formed by plate making, communicate with the inspection unit or directly enter Chapter 3;

2) The inspection material is formed by plate-making printing. Continue to the next step.

b) To determine the inspection conditions of the inspection materials.

1) If the inspection materials do not meet the inspection requirements, proceed directly to Chapter 3;

2) If the inspection materials have the inspection conditions, continue to the next step.

c) Comparison conditions of analysis samples.

1) If the sample does not have the comparison conditions, it is required to supplement the sample or directly enter Chapter 3;

2) If the samples have comparison conditions, continue to the next step.

2.2.1 Recognition method of printing features

Features such as direct observation, microscopic observation, measurement, spectral inspection, and composition inspection can be used to find, select, and extract features.

2.2.2 Method of comparison test

The detailed feature comparison method, coincidence comparison method, connection comparison method, and measurement comparison method can be used for comparison.

2.2.3 Judgment of plate making method

Judging by Chapter 2, proceed to Chapter 3.

2.2.4 Judgment of co-printing

Can be based on the content of graphics and text; relative position; detail form; dot form; color density; ink defects; printing plate wear; revision;

Binding and other features are comprehensively judged.

2.2.5 Judgment of printing in the same batch

Can be based on the content of the layout of the text; layout specifications; relative position of the text; the shape of the dots; the shape of the details; ink composition and other characteristics Comprehensive judgment.

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3.1 Making feature comparison table

3.1.1

Make a feature comparison table of selected inspection materials and sample plate-making printing features. Feature selection must be comprehensive, with particular attention to

selecting detailed features.

Sign.

3.1.2

The comparison table can be produced by copying and cutting, computer scanning, and photographing.

3.1.3

The valuable features in the comparison table shall be identified one by one; generally, the same features are marked with the same color, and the different features are marked with different colors.

3.2 Formation of inspection records

3.2.1

The contents of inspection records shall include (but not limited to) the case number, inspection process, inspection opinions, inspection time, and use of instruments Name, inspector, etc.

3.2.2

The appraiser shall write or print the inspection record and sign it for confirmation.

3.2.3

When the opinions of the appraiser are different, the inspection opinion and the discussion time of the appraiser should be indicated in the inspection record and signed for confirmation.

4 Copy inspection materials and sample materials

4.1

Copies can be made by copying, photographing, scanning, printing, etc.

4.2

Truly and clearly reflect the full picture of the test materials and samples; in general, the test materials should be copied one by one. If the number of test materials is large, optional Take representative samples to copy and mark the source; in general, samples should also be copied one by one; if there are more samples, only the value High sample.

5 Make an opinion

Comprehensive analysis of the conformity and difference characteristics of inspection materials and samples, and the overall value of the quantity and quality of printing features to make a comprehensive assessment, it is necessary to grasp the reasons for the

formation of features, the formation time of samples, and the maintenance of printing equipment. And root According to the test results, a comprehensive evaluation is made to make an appraisal opinion.