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Inappropriate circulated RMB banknote

不宜流通人民币 纸币

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Inappropriate circulated RMB banknote

1 Scope

This standard stipulates the categories and judgment indicators of RMB currency banknotes that are not suitable for circulation.

This standard applies to financial institutions that handle RMB deposit and withdrawal business as well as the whole-point business.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this standard.

GB/T 22364-2008 Paper and board - Determination of resistance-to-bending

3 Terms and definitions

The following terms and definitions apply to this document:

3.1

Inappropriate circulated RMB banknote

The RMB banknote which is inappropriate for circulation due to damage of appearance, texture, anti-counterfeiting features, discoloration, blurred patterns, changes in size and weight.

3.2

Optical density

A common logarithmic value of the ratio of incident light intensity to transmitted light intensity.

3.3

Bending stiffness

The force required to bend a RMB banknote sample which is clamped at one

6 Deinking

The RMB banknotes which have partial or complete fading of the surface are inappropriate circulated RMB banknotes under one of the following conditions:

- A deinking occurs on the surface of the banknote; the deinking area is more than 100 mm²;
- There are many deinking places on the surface of the banknote; the accumulated deinking area is more than 80 mm²;
- Although the deinking area on the surface of banknote does not exceed the above criteria, one of the important anti-counterfeiting features is severely deinked, which affects the anti-counterfeiting function.

7 Missing

The RMB banknote which has surface missing is inappropriate circulated RMB banknote under one of the following conditions:

- The banknote surface (excluding 4 corners and security line) is missing, the missing area at one place is more than 10 mm²; or otherwise there is multiple missing places on the surface of banknote, the cumulative missing area is more than 12 mm² (it is included in the accumulative amount when the missing area is more than 2 mm²);
- The banknote has a single missing-corner, the area of missing-corner is more than 20 mm²; or otherwise the banknote has multiple missing-corners, the accumulative area of missing-corners is more than 30 mm²;
- The missing security line of banknote is more than 10 mm, or otherwise one of the important anti-counterfeiting features is missing, which affect the anti-counterfeiting function.

8 Paste

The RMB banknotes which are affixed with tape, paper, other substances, that cannot be removed without damaging the surface of banknote, are inappropriate circulated RMB banknotes under one of the following conditions:

- A paste appears on the surface of banknote; the area of paste is more than 100 mm²;
- There are multiple pastes on the surface of banknote; the cumulative area of paste is more than 60 mm²;

- Although the area of the paste does not exceed the prescribed criteria, it covers one of the important anti-counterfeiting features, which affect the anti-counterfeiting function.

9 Tear

The RMB banknotes which are torn in the surface are inappropriate circulated RMB banknotes under one of the following conditions:

- There is a tear in the surface of the banknote; the tear length is more than 10 mm;
- There are multiple tears on the surface of banknote, the shortest tear length is more than 3 mm, the cumulative tear length is more than 9 mm.

10 Splicing

A RMB banknote which has more than 2 (inclusive) damages, is connected as before through pasting, is inappropriate circulated RMB banknote.

11 Deformation

A RMB banknote which has change in shape and size, a deviation between the long side of banknote and the standard specification of more than 2%, or a deviation between the wide side of the banknote and the standard specification of more than 4%, is inappropriate circulated RMB banknote.

12 Scribble

The RMB banknotes which have artificial text, pictures, symbols, or other marks are inappropriate circulated RMB banknotes under one of the following conditions:

- There is one place of scribble; the scribble area is more than 200 mm²;
- There are many places of scribbles; the cumulative scribble area is more than 100 mm²;
- Although the scribble area of the banknote surface does not exceed the prescribed criteria, it covers one of the important anti-counterfeiting features, which affects the anti-counterfeiting function.

The scribble area in this standard is calculated according to the area of the banknote as enclosed by the connection of the edges of the artificial text,

Appendix B

(Normative)

Testing method of resistance-to-bending of RMB banknote

B.1 Testing equipment

Instruments: PTI resistance-to-bending tester, L&W resistance-to-bending tester.

Standard: Refer to the test of Paper and board - Determination of resistance-to-bending.

B.2 Testing environment

The test specimen shall be placed in a laboratory with a temperature of 23 ± 1 °C and a relative humidity of $50 \pm 2\%$ for more than 4 hours; then tested under these conditions.

B.3 Testing method

The testing method shall refer to the following steps:

- a) Turn on the instrument and warm up for 30 minutes;
- b) Set the bending angle to 15 degrees, the test distance to 1.0 mm, follow the instrument requirements to perform calibration;
- c) Put in the test specimen. Follow the operating requirements of instrument and the specified sampling points to carry out the resistance-to-bending test. Take 2 sampling points on the front side and the back side, respectively. The locations of sampling points are as shown in Figure B.1, B.2, B.3, B.4, B.5, B.6.

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