

## THE GENERAL ASSEMBLY OF PENNSYLVANIA

**SENATE BILL**No. **250** Session of  
2023

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INTRODUCED BY DUSH, BARTOLOTTA, MASTRIANO, HUTCHINSON, BAKER AND  
J. WARD, MARCH 14, 2023

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SENATOR DUSH, STATE GOVERNMENT, AS AMENDED, MARCH 19, 2024

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## AN ACT

1 Amending the act of June 3, 1937 (P.L.1333, No.320), entitled  
2 "An act concerning elections, including general, municipal,  
3 special and primary elections, the nomination of candidates,  
4 primary and election expenses and election contests; creating  
5 and defining membership of county boards of elections;  
6 imposing duties upon the Secretary of the Commonwealth,  
7 courts, county boards of elections, county commissioners;  
8 imposing penalties for violation of the act, and codifying,  
9 revising and consolidating the laws relating thereto; and  
10 repealing certain acts and parts of acts relating to  
11 elections," in ballots, providing for antifraud ballot paper,  
12 vendor certification and antifraud measures.

13 The General Assembly of the Commonwealth of Pennsylvania  
14 hereby enacts as follows:

15 Section 1. The act of June 3, 1937 (P.L.1333, No.320), known  
16 as the Pennsylvania Election Code, is amended by adding a  
17 section to read:

18 Section 1003.1. Antifraud Ballot Paper; Vendor  
19 Certification; Antifraud Measures.--Notwithstanding any other  
20 statute, a vendor that contracts with a county election board or  
21 the Secretary of the Commonwealth to provide ballot fraud  
22 countermeasures contained in or on paper used for ballots shall  
23 ensure that the paper is ISO 27001 certified, ISO 17025

1 certified, ISO 45001 certified, ISO 14001 certified, ISO 14298  
2 certified or ISO 9001:2015 certified. The ballot fraud  
3 countermeasures shall also satisfy the following specifications:

4 (1) Unique, controlled-supply watermarked clearing bank  
5 specification one security paper.

6 (2) Secure holographic foil that is a minimum of ten square  
7 millimeters and a maximum of twenty square millimeters with a  
8 proprietary original image in visible and multiple-color  
9 invisible ultraviolet inks. The visible overprint must be  
10 translucent so that the hologram image strikes through the  
11 printed image when viewed at different angles and must be cured  
12 in such a way that any tampering of the image causes visible  
13 damage to the hologram. The holographic foil design and  
14 origination artwork must be exclusively owned and controlled by  
15 the security printer.

16 (3) Branded overprint of any hologram that personalizes the  
17 hologram with customer logo.

18 (4) Custom complex security background designs with  
19 banknote-level security.

20 (5) Secure variable digital infill.

21 (6) Thermochromic, tri-thermochromic, photochromic or  
22 optically variable inks.

23 (7) Stealth numbering in ultraviolet, infrared or taggant  
24 inks.

25 (8) Two-color rainbow print invisible ultraviolet numismatic  
26 designs with fine line security relief design that follows the  
27 primary image's design exactly and with a minimum line weight of  
28 0.0424 millimeters.

29 (9) Unique forensic fraud detection technology that is built  
30 into security inks.

1 (10) Invisible ultraviolet microtext with an ultraviolet  
2 image minimum height of 0.3 millimeters and maximum height of  
3 0.5 millimeters.

4 (11) Raster imaging printed on seventy-five per centum of  
5 the document face in a minimum two-color invisible ultraviolet  
6 ink with a minimum line weight of 0.0242 millimeters and a  
7 maximum line weight of 0.084 millimeters.

8 (12) Three-color invisible ultraviolet guilloche with an  
9 anticopy feature that is a custom geometric design specific to  
10 the document and with a high level of secure fine line detail  
11 consisting of multiple line weight with a minimum line weight of  
12 0.242 millimeters.

13 (13) Visible colored overt ink with embedded covert, near  
14 infrared machine-readable taggant that is capable of detection  
15 through proprietary infrared wavelength light source excitation  
16 and related infrared wavelength emission characteristics that  
17 confirm authenticity through a complex temporal measurement when  
18 read by a hand-held, rechargeable battery operated proprietary  
19 detector.

20 (14) Molecular level, forensic-covert security feature  
21 included in the infrared taggant ink prescribed in paragraph  
22 (13). The proprietary molecular marker must be authenticated by  
23 laboratory analysis using gas chromatography mass spectrometry  
24 and the concentration in the related ink cannot be more than one  
25 part per million.

26 (15) A security relief design technique that requires  
27 banknote graphics software. The design must protect infill areas  
28 from fraudulent alterations.

29 (16) Multicolor invisible primary fluorescent elements that  
30 are printed in register to create a rainbow effect background.

1 The image must incorporate multiple security graphic techniques  
2 and be generated using anticounterfeit design software that is  
3 commercially available only for approved and accredited  
4 printers.

5 ~~(17) Serialized black QR code in which the same code is~~ <--  
6 ~~printed on the top left corner and bottom right corner and that~~  
7 ~~can be read by native QR functions of iOS and Android~~  
8 ~~smartphones that redirect the voter to a web based voter~~  
9 ~~information page and that tracks the voter's ballot as it is~~  
10 ~~processed.~~

11 ~~(18) (17) Paper that is eight and one-half inches wide by~~ <--  
12 ~~twenty-two inches long and that weighs eighty grams per square~~  
13 ~~meter.~~

14 ~~(19) A paper receipt for the voter that is a perforated~~ <--  
15 ~~portion of the ballot, that is suitable for the voter to remove~~  
16 ~~from the ballot after completing the ballot and that contains~~  
17 ~~the lot number and sequence number of the sheet of paper on~~  
18 ~~which the ballot is printed.~~

19 Section 2. This act shall apply to elections on or after  
20 January 1, 2025.

21 Section 3. This act shall take effect in 60 days.