HOUSE BILL No. 2646

By Committee on Federal and State Affairs

2-8

1   AN ACT concerning elections; establishing specifications for paper ballots
2   used in state and federal elections; requiring reimbursement of county
3   expenditures.
4
5   *Be it enacted by the Legislature of the State of Kansas:*
6   Section 1.   (a)   Any vendor that provides fraud countermeasures that
7   are contained in and on the paper used for ballots shall be ISO 27001
8   certified, ISO 17025 certified, ISO 45001 certified, ISO 14001 certified,
9   ISO 14298 certified or ISO 9001:2015 certified. Ballot fraud
10   countermeasures shall include the use of the following:
11   (1)   Unique,   controlled-supply   watermarked   clearing   bank
12   specification 1 security paper;
13   (2)   secure holographic foil that is a minimum of 10 square
14   millimeters and a maximum of 20 square millimeters with a proprietary
15   original image in visible and multiple-color invisible ultraviolet inks. The
16   visible overprint shall be translucent so that the hologram image strikes
17   through the printed image when viewed at different angles and shall be
18   cured in such a way that any tampering of the image causes visible damage
19   to the hologram. The holographic foil design and origination artwork shall
20   be exclusively owned and controlled by the security printer;
21   (3)   branded overprint of any hologram that personalizes the hologram
22   with a customer logo;
23   (4)   custom   complex   security   background   with   banknote-level
24   security;
25   (5)   secure variable digital infill;
26   (6)   thermochromic, tri-thermochromic, photochromic or optically
27   variable inks;
28   (7)   stealth numbering in ultraviolet, infrared or taggant inks;
29   (8)   two-color rainbow print invisible ultraviolet numismatic designs
30   with fine line security relief design that follows the primary image's design
31   exactly and with a minimum line weight of 0.0424 millimeters;
32   (9)   unique forensic fraud detection technology that is built into
33   security inks;
34   (10)   invisible ultraviolet microtext with an ultraviolet image
35   minimum height of 0.3 millimeters and maximum height of 0.5
36   millimeters;

1   (11) raster imaging printed on 75% of the document face in a
2 minimum two-color invisible ultraviolet ink with a minimum line weight
3 of 0.0242 millimeters and a maximum line weight of 0.084 millimeters;
4   (12) three-color invisible ultraviolet guilloche with an anti-copy
5 feature that is a custom geometric design specific to the document and
6 with a high level of secure fine line detail consisting of multiple-line
7 weight with a minimum line weight of 0.242 millimeters;
8   (13) visible colored overt ink with embedded covert, near infrared
9 machine-readable taggant that is capable of detection through proprietary
10 infrared wavelength light source excitation and related infrared
11 wavelength emission characteristics that confirm authenticity through a
12 complex temporal measurement when read by a handheld, rechargeable,
13 battery-operated proprietary detector;
14   (14) a molecular level, forensic-covert security feature included in the
15 infrared tagged ink prescribed in subsection (a)(13). The proprietary
16 molecular marker shall be authenticated by laboratory analysis using gas
17 chromatography mass spectrometry and the concentration in the related
18 ink shall not be more than one part per million;
19   (15) microprinting, a security relief design technique that requires
20 banknote graphics software. The design shall protect infill areas from
21 fraudulent alterations;
22   (16) multicolor invisible primary fluorescent elements that are printed
23 in register to create a rainbow effect background. The image shall
24 incorporate multiple security graphic techniques and shall be generated
25 using anticounterfeit design software that is commercially available only
26 for approved and accredited printers;
27   (17) serialized black QR code in which the same code is printed on
28 the top-left corner and bottom-right corner and that can be read by native
29 QR functions of ios and android smartphones that redirect the voter to a
30 web-based voter information page and that tracks the voter's ballot as it is
31 processed;
32   (18) paper that is $8^1/_2$ inches wide by 22 inches long and that weighs
33 80 grams per square meter; and
34   (19) paper receipt for the voter that is a perforated portion of the
35 ballot, that is suitable for the voter to remove from the ballot after
36 completing the ballot and that contains the lot number and sequence
37 number of the sheet of paper on which the ballot is printed.
38   (b) The legislature shall appropriate sufficient monies to the state
39 treasurer to reimburse counties for expenditures for ballot paper prescribed
40 by this section.
41   (c) Paper that meets the requirements of subsection (a) shall be used
42 in all elections for state offices and federal offices.
43   (d) This section applies to the regular general election in 2024 and

1 each even-numbered year election thereafter.
2   Sec. 2.   This act shall take effect and be in force from and after its
3 publication in the statute book.