

FIPS 201 Evaluation Program

Attestation Form for Card Printer Station

This form serves to assert that the offering being submitted for FIPS 201 conformance evaluation is accurately meeting the requirements stated in the Standard.

Applicant Information

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| Company Name | |
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Product/Service Information

| | | |
|-------------------------|--|--|
| Name | | |
| Part Number | | |
| Hardware Version | | |
| Software Version | | |
| Firmware Version | | |

Lab Specific Information

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| Approval Procedure Version | 13.0.0 |
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Requirements being attested to:

| Identifier # | Requirement Description | Source |
|--------------|---|-----------------------------|
| CPS.1 | The printing process shall not deposit debris on the printer rollers during printing and laminating. | FIPS 201-1, Section 4.1.1 |
| CPS.2 | The printing process shall print on the card such that printed material does not interfere with the contact and contactless ICC(s) and related components. | FIPS 201-1, Section 4.1.1 |
| CPS.3 | The printing process shall support graphical personalization (i.e. printing) | Derived |
| CPS.4 | The printing process used shall print to dual interface smart cards (i.e. smart cards that contain BOTH contact and contactless interfaces). | Derived |
| CPS.5 | The CPS shall have a measured yield rate for printing of at least 98%. (i.e. at least 98% of cards printed by the CPS will emerge from the printing process with acceptable visual appearance AND with BOTH the contact and contactless interfaces fully functional.) | Derived |
| CPS.6 | The printing process shall support a printing resolution of 300 dots per inch (dpi) or greater. | FIPS 201-1, Section 4.1.4.1 |
| CPS.7 | Personalized PIV Cards shall contain at least one security feature that aids in reducing counterfeiting, are resistant to tampering, and provide visual evidence of tampering attempts. Examples of such security features include: <ul style="list-style-type: none"> • Optical varying structures; • Optical varying inks; • Laser etching and engraving; • Holograms; • Holographic images; and • Watermarks | FIPS 201-1, Section 4.1.2 |
| CPS.8 | Incorporation of security features shall: <ul style="list-style-type: none"> • Be in accordance with durability requirements of ISO-7810 Be free of defects, such as fading and discoloration; • Not obscure printed information; and | FIPS 201-1, Section 4.1.2 |

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| | <ul style="list-style-type: none"> Not impede access to machine-readable information | |
| CPS.9 | The PIV Card shall not be embossed. | FIPS 201-1, Section 4.1.3 |
| CPS.10 | Decals shall not be adhered to the card. | FIPS 201-1, Section 4.1.3 |
| CPS.11 | The reagents called out in Section 5.4.1.1 of ISO 10373 shall be modified to include a two percent soap solution. | FIPS 201-1, Section 4.1.3 |
| CPS.12 | The ANSI 322 tests shall include the Bar Code Abrasion (1D) test. This test applies only if the printer has the ability to print Linear 3 of 9 barcodes. | Derived |
| CPS.13 | The card shall be subjected to actual, concentrated, or artificial sunlight to appropriately reflect 2000 hours of southwestern United States' sunlight exposure. The tests shall be in accordance with ANSI 322, Section 5.15. | FIPS 201-1, Section 4.1.3 |
| CPS.14 | The tests shall include the ANSI 322 Daylight Exposure Image Stability – Xenon Arc. | FIPS 201-1, Section 4.1.3 |
| CPS.15 | The card shall be subjected to the ISO 10373 dynamic bending test and shall have no visible cracks or failures. | FIPS 201-1, Section 4.1.3 |
| CPS.16 | The ANSI 322 tests shall include the Image Abrasion Test. | Derived |
| CPS.17 | The ANSI 322 tests shall include the Temperature and Humidity Induced Dye Migration Test. | FIPS 201-1, Section 4.1.3 |
| CPS.18 | The ANSI 322 tests shall include the Plasticizer Induced Dye Migration Test. | FIPS 201-1, Section 4.1.3 |
| CPS.19 | The ANSI 322 tests shall include a laundry test. | FIPS 201-1, Section 4.1.3 |
| CPS.20 | The card material shall allow production of a flat card in accordance with ISO 7810 after lamination of one or both sides of the card. | FIPS 201-1, Section 4.1.3 |
| CPS.21 | Cards shall not malfunction after hand cleaning with a mild soap and water mixture. | FIPS 201-1, Section 4.1.3 |
| CPS.22 | Zone 1—Photograph. The photograph shall be placed in the upper left corner as depicted in Figure 4-1. | FIPS 201-1, Section 4.1.4.1 |
| CPS.23 | Zone 2—Name. The full name, or alternatively, pseudonyms as provided under the law, shall be printed directly under the photograph. | FIPS 201-1, Section 4.1.4.1 |
| CPS.24 | Zone 2—Name. The name shall be printed [directly below the photograph]. | FIPS 201-1, Section 4.1.4.1 |
| CPS.25 | Zone 2—Name. The font shall be a minimum of 10 point. | FIPS 201-1, Section 4.1.4.1 |
| CPS.26 | Zone 8—Employee Affiliation. A printed employee affiliation shall be printed on the card. Some examples of employee affiliation are "CONTRACTOR," "ACTIVE DUTY," and "CIVILIAN." | FIPS 201-1, Section 4.1.4.1 |
| CPS.27 | Zone 10— Organizational Affiliation. The Organizational Affiliation shall be printed as depicted in Figure 4-1. | FIPS 201-1, Section 4.1.4.1 |
| CPS.28 | Zone 14—Expiration Date. The card expiration date shall be printed | FIPS 201-1, |

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| | in a YYYYMMDD format. | Section 4.1.4.1 |
| CPS.29 | Zone 1—Agency Card Serial Number. This item shall contain the unique serial number from the issuing department or agency. This zone shall be left-justified. | FIPS 201-1, Section 4.1.4.2 |
| CPS.30 | Zone 2—Issuer Identification. This item shall consist of six characters for the department code, four characters for the agency code, and a five-digit number that uniquely identifies the issuing facility within the department or agency. This zone shall be right-justified. | FIPS 201-1, Section 4.1.4.2 |
| CPS.31 | Zone 3—Signature. If used, the space for the signature shall not interfere with the contact and contactless placement. | FIPS 201-1, Section 4.1.4.3 |
| CPS.32 | Zone 4—Agency Specific text area. If used, [No requirement] | FIPS 201-1, Section 4.1.4.3 |
| CPS.33 | Zone 5—Rank. If used, the cardholder's rank shall be printed in the area as illustrated. | FIPS 201-1, Section 4.1.4.3 |
| CPS.34 | Zone 6—Portable Data File (PDF) Two-Dimensional Bar Code. If used, the PDF bar code placement shall be as depicted in the diagram (i.e., left side of the card). | FIPS 201-1, Section 4.1.4.3 |
| CPS.35 | Zone 9— Header. If used, the text "United States Government" shall be placed as depicted in Figure 4-1. | FIPS 201-1, Section 4.1.4.3 |
| CPS.36 | Zone 9— Header. If used, departments and agencies may choose to use this zone for other department or agency-specific information, such as identifying a Federal emergency responder role, as depicted in Figure 4-2. | FIPS 201-1, Section 4.1.4.3 |
| CPS.37 | Zone 11—Agency Seal. If used, the seal selected by the issuing department, agency, or organization shall be printed in the area depicted. | FIPS 201-1, Section 4.1.4.3 |
| CPS.38 | Zone 11—Agency Seal. If used, it shall be printed using the guidelines provided in Figure 4-2 to ensure information printed on the seal is legible and clearly visible. This zone shall be 20 x 20 mm in dimensions. | FIPS 201-1, Section 4.1.4.3 |
| CPS.39 | Zone 12—Footer. If used, a department or agency may print "Federal Emergency Response Official" as depicted in Figure 4-2. | FIPS 201-1, Section 4.1.4.3 |
| CPS.40 | Zone 12—Footer. If used, the departments or agency may also print a secondary line in Zone 9 to further identify the Federal emergency respondent's official role. Some examples of official roles are "Law Enforcement, "Firefighter" and "Emergency Response Team (ERT)". | FIPS 201-1, Section 4.1.4.3 |
| CPS.41 | Zone 13—Issue Date. If used, the card issuance date shall be printed above of the expiration date in YYYYMMDD format as depicted in Figure 4-2. | FIPS 201-1, Section 4.1.4.3 |
| CPS.42 | Zone 15—Color-Coding for Employee Affiliation. If used, color-coding shall be used as a background color for Zone 2 (name) as depicted in Figure 4-4. | FIPS 201-1, Section 4.1.4.3 |
| CPS.43 | Zone 15—Color-Coding for Employee Affiliation. If used, the following color scheme shall be used for the noted categories: a. Blue—foreign nationals b. Red—emergency responder officials | FIPS 201-1, Section 4.1.4.3 |

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| | c. Green—contractors | |
| CPS.44 | Zone 15—Color-Coding for Employee Affiliation. If used, blue, red and green shall be reserved color-codes and shall not be employed for other purposes. | FIPS 201-1, Section 4.1.4.3 |
| CPS.45 | Zone 16—Photo Border for Employee Affiliation. If used, the photo border shall not obscure the photo. | FIPS 201-1, Section 4.1.4.3 |
| CPS.46 | Zone 16—Photo Border for Employee Affiliation. If used, red shall be reserved for emergency response officials, blue for foreign nationals, and green for contractors. All other colors may be used at the department or agency's discretion. | FIPS 201-1, Section 4.1.4.3 |
| CPS.47 | Zone 17—Agency Specific Data. If used, Zone 17 may display other department or agency-specific information, as depicted in Figure 4-5. [Note that Zone 17 overlaps Zone 3 and Zone 12, and is only available if these other zones are not used.] | FIPS 201-1, Section 4.1.4.3 |
| CPS.48 | The card material shall withstand the effects of temperatures required by the application of a polyester laminate on one or both sides of the card by commercial off-the-shelf (COTS) equipment. | FIPS 201-1, Section 4.1.3 |
| CPS.49 | Zone 4—Return To. If used, the "return if lost" language shall be generally placed on the back of the card as depicted in Figure 4-7. The font shall be 5pt Arial Normal. | FIPS 201-1, Section 4.1.4.4 |
| CPS.50 | Zone 5—Physical Characteristics of Cardholder. If used, the cardholder physical characteristics (e.g., height, eye color, hair color) shall be printed in the general area illustrated in Figure 4-7. English measurements shall be used. | FIPS 201-1, Section 4.1.4.4 |
| CPS.51 | Zone 6—Additional Language for Emergency Responder Officials. If used, this additional text shall not interfere with other printed text components or machine-readable components. The font shall be 5pt Arial Normal. | FIPS 201-1, Section 4.1.4.4 |
| CPS.52 | Zone 7—Standard Section 499, Title 18 Language. If used, standard Section 499, Title 18, language warning against counterfeiting, altering, or misusing the card shall be printed in the general area depicted in Figure 4-7. The font shall be 5pt Arial Normal. | FIPS 201-1, Section 4.1.4.4 |
| CPS.53 | Zone 8—Linear 3 of 9 Bar Code. If used, a linear 3 of 9 bar code shall be generally placed as depicted in Figure 4-7. | FIPS 201-1, Section 4.1.4.4 |
| CPS.54 | Zone 8—Linear 3 of 9 Bar Code. If used, a linear 3 of 9 bar code shall be in accordance with Association for Automatic Identification and Mobility (AIM) standards. | FIPS 201-1, Section 4.1.4.4 |
| CPS.55 | Zone 8—Linear 3 of 9 Bar Code. If used, beginning and end points of the bar code will be dependent on the embedded contactless module selected. | FIPS 201-1, Section 4.1.4.4 |
| CPS.56 | Zone 9, Zone 10—Agency-Specific Text. If used, Zone 9 may display other department or agency-specific information, as depicted in Figure 4-8. [Note that Zone 9 overlaps Zone 6 and Zone 7, and is only available if these other zones are not used.] | FIPS 201-1, Section 4.1.4.4 |
| CPS.57 | Unless otherwise specified, the recommended font size is 5pt normal weight for data labels (also referred to as tags). | FIPS 201-1, Section 4.1.4.4 |
| CPS.58 | Unless otherwise specified, the recommended font size is 6pt bold for | FIPS 201-1, |

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| | actual data. | Section 4.1.4.4 |
| CPS.59 | All text is to be printed using the Arial font. | FIPS 201-1, Section 4.1.4.4 |
| CPS.60 | The thickness added due to a laminate layer shall not interfere with the smart card reader operation. | FIPS 201-1, Section 4.1.3 |
| CPS.61 | Zone areas printed on PIV Cards shall be precisely placed in position using the measurements defined by FIPS 201. | Derived |
| CPS.62 | All letterings on the PIV Card shall be printed in black except as explicitly stated. <i>(This requirement will be evaluated only if SP 800-104 zones are able to be printed)</i> | SP 800-104, Section 2.1 |
| CPS.63 | The ERO color-coding, when used, shall be depicted at the footer location of Zone 12 and must print "Emergency Response Official" with white lettering on a red background. <i>(This requirement will be evaluated only if SP 800-104 zones are able to be printed)</i> | SP 800-104, Section 2.1 |
| CPS.64 | When Zone 15 indicates Foreign National affiliation and the department or agency does not need to highlight ERO status, the footer location of Zone 12 may be used to denote the country or countries of citizenship. If so used, the department or agency shall print the country name or the three letter country abbreviation (alpha-3 format) in accordance with ISO 3166-1, Country Codes [ISO 3166]. <i>(This requirement will be evaluated only if SP 800-104 zones are able to be printed)</i> | SP 800-104, Section 2.1 |
| CPS.65 | Zone 18—Affiliation Color Code. The affiliation color code "B" for Blue or "G" for Green shall be printed in a white circle in Zone 15. <i>(This requirement will be evaluated only if SP 800-104 zones are able to be printed)</i> | SP 800-104, Section 2.3 |
| CPS.66 | The diameter of the circle shall be 5 mm. <i>(This requirement will be evaluated only if SP 800-104 zones are able to be printed)</i> | SP 800-104, Section 2.3 |
| CPS.67 | The lettering shall correspond to the printed color in Zone 15. <i>(This requirement will be evaluated only if SP 800-104 zones are able to be printed)</i> | SP 800-104, Section 2.3 |
| CPS.68 | Zone 19—Expiration Date. The card expiration date shall be printed in a MMMYYYY format in the upper right hand corner. <i>(This requirement will be evaluated only if SP 800-104 zones are able to be printed)</i> | SP 800-104, Section 2.3 |
| CPS.69 | The expiration date shall be printed in Arial 12pt Bold. <i>(This requirement will be evaluated only if SP 800-104 zones are able to be printed)</i> | SP 800-104, Section 2.3 |
| CPS.70 | Zone 20—Organizational Affiliation Abbreviation. The organizational affiliation abbreviation may be printed in the upper right hand corner below the date as shown in Figure 1. <i>(This requirement will be evaluated only if SP 800-104 zones are able to be printed)</i> | SP 800-104, Section 2.3 |
| CPS.71 | If printed, the organizational affiliation abbreviation shall be printed in Arial 12pt Bold. <i>(This requirement will be evaluated only if SP 800-104 zones are able to be printed)</i> | SP 800-104, Section 2.3 |
| CPS.72 | White color values are printed as follows: <ul style="list-style-type: none"> • sRGB Tristimulus value {255, 255, 255} • sRGB value {255, 255, 255} | SP 800-104, Section 2.4 |

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| | <ul style="list-style-type: none"> • CMYK value {0, 0, 0, 0} • Pantone value {White} <p><i>(This requirement will be evaluated only if SP 800-104 zones are able to be printed)</i></p> | |
| CPS.73 | <p>Green color values are printed as follows:</p> <ul style="list-style-type: none"> • sRGB Tristimulus value {153, 255, 153} • sRGB value {203, 255, 203} • CMYK value {40, 0, 40, 0} • Pantone value {359C} <p><i>(This requirement will be evaluated only if SP 800-104 zones are able to be printed)</i></p> | SP 800-104, Section 2.4 |
| CPS.74 | <p>Blue color values are printed as follows:</p> <ul style="list-style-type: none"> • sRGB Tristimulus value {0, 255, 255} • sRGB value {0, 255, 255} • CMYK value {100, 0, 0, 0} • Pantone value {630C} <p><i>(This requirement will be evaluated only if SP 800-104 zones are able to be printed)</i></p> | SP 800-104, Section 2.4 |
| CPS.75 | <p>Red color values are printed as follows:</p> <ul style="list-style-type: none"> • sRGB Tristimulus value {253, 27, 0} • sRGB value {254, 92, 79} • CMYK value {0, 90, 86, 0} • Pantone value {032C} <p><i>(This requirement will be evaluated only if SP 800-104 zones are able to be printed)</i></p> | SP 800-104, Section 2.4 |

Signature

I hereby claim that I am authorized to sign this form on behalf of the above specified company. I acknowledge that I have am aware of the requirements of FIPS 201 and its related publications that my Product needs to comply with and that the Product that has been submitted to the Lab is, to the best of my knowledge, complete and accurately meeting these requirements. Furthermore, by signing below, I attest that the Product/Service is being submitted under each category for which this Product/Service applies. I am also aware that any false claims to this statement could result in a penalty as defined by the Federal Acquisition Regulation (FAR).

| | | | |
|-------------------|--|-------------|--|
| Signature: | | Date | |
| Name | | | |
| Title | | | |