FIPS 201 Evaluation Program
Attestation Form for Transparent Reader

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

Company Name	

Product/Service Information

Name	
Part Number	
Hardware Version	
Software Version	
Firmware Version	

Lab Specific Information

Approval Procedure Version	8.0.0

Requirements being attested to:

Identifier #	Requirement Description	Source
R-TRE-C.1	Contact card readers shall conform to the ISO7816 standard for the card-to-reader interface.	FIPS 201, Section 4.5.1
R-TRE-C.2	Logical PIV card readers shall conform to the Personal Computer/Smart Card (PC/SC) Specification for the reader-to-host system interface in general desktop computing environment.	FIPS 201, Section 4.5.1
R-TRE-C.3	PIV readers shall support the Class A operating class as defined in ISO/IEC 7816-3:1997 and ISO/IEC 7816-3:1997/Amd 1:2002.	Card /Card Reader Interoperability Requirements, Section 2.2.2.2
R-TRE-C.4	The contact interface of the reader shall support both the T=0 and T=1 transmission protocols as defined in ISO/IEC 7816-3:1997.	Card /Card Reader Interoperability Requirements, Section 2.2.2.3
R-TRE-C.5	PIV Readers shall not generate a Programming Voltage.	Card /Card Reader Interoperability Requirements, Section 2.2.2.1
R-TRE-C.6	Data retrieved from the PIV readers shall be the data that was written by the lab on each “Golden” test card.	Derived Test Requirement

<table>
<tr><th>Identifier #</th><th>Requirement Description</th><th>Source</th></tr>
<tr><td>R-TRE-C.7</td><td>The contactless interface of the reader shall support both the Type A and Type B communication signal interfaces as defined in ISO/IEC 14443-2:2001.</td><td>Card /Card Reader Interoperability Requirements, Section 2.2.1.1</td></tr>
<tr><td>R-TRE-C.8</td><td>The contactless interface of the reader shall support both Type A and Type B transmission protocols as defined in ISO/IEC 14443-4:2001.</td><td>Card /Card Reader Interoperability Requirements, Section 2.2.1.3</td></tr>
<tr><td>R-TRE-C.9</td><td>Buffers shall not be readable through the contactless interface more than 10 cm from the reader.</td><td>Card /Card Reader Interoperability Requirements, Section 4.2.1.1</td></tr>
<tr><td>R-TRE-C.10</td><td>The contactless interface of the reader shall support Type A initialization and anti-collision methods as defined in ISO/IEC 14443-3:2001.</td><td>Card /Card Reader Interoperability Requirements, Section 2.2.1.2</td></tr>
<tr><td>R-TRE-C.11</td><td>The contactless interface of the reader shall support Type B initialization and anti-collision methods as defined in ISO/IEC 14443-3:2001.</td><td>Card /Card Reader Interoperability Requirements, Section 2.2.1.2</td></tr>
<tr><td>R-TRE-C.12</td><td>The contactless interface of the reader shall support bit rates of fc/128 (~106 kbits/s), fc/64 (~212 kbits/s) and fc/32 (~424 kbits/s) as defined in ISO/IEC 14443-3:2001/Amd.1:2005.</td><td>Card /Card Reader Interoperability Requirements, Section 3.2.2.1</td></tr>
<tr><td>R-TRE-C.13</td><td>For evaluation purposes, the data format for physical readers shall consist of the two parity bits, Agency Code, System Code and Credential Code elements of the FASC-N along with the Expiration Date (YYYYMMDD) from the CHUID as defined by Appendix A of NIST SP 800-73. Each element shall be individually formatted as binary numbers and combined to form a 75 bit string as shown in the figure below. Section 5 of the SIA standard defines a 26 bit format that does not meet the requirements outlined in FIPS or its supporting documents and shall not be used.
<table>
<tr><th></th><th>Position</th><th>Length</th></tr>
<tr><td>Parity Bit P1</td><td>1</td><td>1</td></tr>
<tr><td>Agency Code</td><td>2-15</td><td>14</td></tr>
<tr><td>System Code</td><td>16-29</td><td>14</td></tr>
<tr><td>Credential Code</td><td>30-49</td><td>20</td></tr>
</table>
</td><td>Transparent Reader Test Procedure</td></tr>
</table>

Identifier #	Requirement Description	Source
	<table><tr><td>Expiration Date</td><td>50-74</td><td>25</td></tr><tr><td>Parity Bit P2</td><td>75</td><td>1</td></tr></table> Note: The first parity bit (P1) is even and shall be calculated over the first 37 bits. The second parity bit (P2) is odd and shall be calculated over the last 36 bits.	

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. 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			