



7 May 2021

To whom it may concern,

iBeta Quality Assurance conducted Presentation Attack Detection (PAD) testing in accordance with ISO/IEC 30107-3. iBeta is accredited by NIST/NVLAP (NVLAP Lab Code: 200962) to test and provide results to this PAD standard ([certificate and scope](#) may be downloaded from the NVLAP website).

This testing was conducted with HID Global's EikonTouch® TC510 capacitive fingerprint reader with the associated TCS PAD Emulator v0.05 (Driver version 1.9.2.204) Windows 10 application. Testing was conducted from 22 April 2021 through 30 April 2021 on a single laptop device connected to a Lenovo Ideapad 320 with Windows 10.

Testing was conducted in accordance with the contract for a level of spoofing technique that only utilized simple, readily available methods to create artefacts of the genuine biometric for use in the presentation attack. The subjects for the test effort were cooperative – meaning that they were willing and able to provide any and all biometric samples. The test time for each PAD test per PAI was limited to eight hours. This is considered a Level 1 PAD test effort (first of three levels).

A successful match would state 'Genuine – Match', or a failure message that stated 'Capture Failed (Quality)'. Over 360 total presentation attacks were attempted on the device. At the conclusion of the PAD testing, the subject returned and authenticated five times successfully to verify that the capture device and application was still able to recognize the genuine subject.

iBeta was not able to gain unauthorized access with the PAs yielding an overall Presentation Attack (PA) success rate of 0%, which then equates to the overall combined Imposter Attack Presentation Match Rate (IAPMR) of 0% on the TouchChip sensor. The bona fide False Non-Match Rate (FNMR) may be found in the final report.

The HID Global EikonTouch® capacitive fingerprint reader (Model #:TC510) and associated TCS PAD Emulator v0.05 (Driver version 1.9.2.204) was tested by iBeta to the ISO 30107-3 Biometric Presentation Attack Detection Standard and was found to be in compliance with Level 1.

Best regards,

A handwritten signature in blue ink that reads "Gail Audette".

Gail Audette
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