

13 December 2019

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 the M211 SDK version 0.20 fingerprint biometric system. Testing was conducted from 29 October through 27 November 2019 on one fingerprint device driven by the drivers and SDK application preloaded onto a Motorola phone, provided by HID Global.

The test method was designed to simulate user enrollment and authentication into a fingerprint biometric authentication system. Testing was conducted in accordance with the contract for a level of spoofing technique which includes moderately complex attacks that could be generated by skilled imposters with manufactured materials. The subjects for the test effort were cooperative – meaning that they were willing and able to provide any and all biometric samples, including high quality latent fingerprints, castings, and molds. The test time for each PAD test per subject was limited to 24 hours. This is considered a Level 2 PAD test effort (second of three levels).

The test method was to have each bona fide or genuine subject enroll and authenticate five times successfully. Four species of presentation attacks (PAs) were then attempted 5 times each. As each attempt was conducted, the application would provide an indication of liveness and matching. At the conclusion of the PAD testing, the subject returned and authenticated five times successfully to verify that the fingerprint recognition application was still able to recognize the genuine subject.

iBeta was not able to gain unauthorized access yielding an overall Presentation Attack (PA) success rate of 0%, which then equates to the overall combines Imposter Attack Presentation Ration (IAPMR) of 0%.

The False Non-Match Rate (FNMR) and the False Reject Rate (FRR) were also calculated and may be found in the final report.

Best regards,

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