28 December 2023

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 NVLAndP website).

This testing was conducted with the Paravision Liveness v1.2 application, powered by the Paravision Mobile Image Quality SDK and Paravision Processor Docker server software, on an iPhone 13 running iOS 16.6. Testing of the passive liveness detection solution was conducted from 5 December to 28 December 2023.

Testing was conducted in accordance with the contract for a level of spoofing technique that only utilized mid-level methods to create an artefact 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, including high quality biometric facial samples. The test time for each PAD test per Presentation Attack Insturment (PAI) was limited to 24 hours. This is considered a Level 2 PAD test effort (second of three levels).

The test method was to apply 1 bona fide subject presentation that alternated with 3 artefact presentations such that the presentation of each species consisted of 150 Presentation Attacks (PAs) and 50 bona fide presentations, or until 8 hours had passed. The results were displayed for the tester on the device as "Passed" for a successful attempt or "SPOOF Attempt" for an unsuccessful attempt.

iBeta was not able to gain a liveness classification with the presentation attacks (PAs) on the Apple iPhone 13. With 150 PAs for each of 5 species, the total number of attacks was 750, and the Attack Presentation Classification Error Rate (APCER) was 0%. The Bona Fide Presentation Classification Error Rate (BPCER) was also calculated and may be found in the final report.

The Paravision Liveness v1.2 application, powered by the Paravision Mobile Image Quality SDK and Paravision Processor Docker server software, tested on the iPhone 13 running iOS 16.6, were tested by iBeta to the ISO 30107-3 Biometric Presentation Attack Detection Standard and was found to be in compliance with Level 2.

Best regards,

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