



16 September 2024

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 Advance Intelligence's Liveness Detection v3.1.6.5 on a Samsung Galaxy S22 running Android 12, and Liveness Detection v3.1.5 and v3.1.6 on an Apple iPhone 12 running iOS 15. iBeta conducted active liveness detection testing on these applications and their backend cloud components from 7 August to 16 September 2024.

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 Instrument (PAI) was limited to 24 hours. This is considered a Level 2 PAD test effort (second of three levels).

The test method involved enrolling subjects and having them authenticate five times successfully. Five species of presentation attacks (PAs) were then attempted ten times each per subject, such that the presentation of each species consisted of 60 Presentation Attacks (PAs) and 10 bona fide presentations on each device, or until 24 hours had passed. A successful match would state "Pass," and a failure message stated, "Attack Behavior."

iBeta was not able to gain unauthorized access with the PAs over the course of 300 attempts per device, yielding an overall Presentation Attack (PA) success rate of 0%, which then equates to the overall combined Imposter Attack Presentation Accept Rate (IAPAR) of 0% on both Samsung Galaxy S22 and Apple iPhone 12. The bona fide False Non-Match Rate (FNMR) was also calculated and may be found in the final report.

The applications provided by Advance Intelligence, Liveness Detection v3.1.6.5 (Android), and Liveness Detection 3.1.5, and 3.1.6 (iOS), were tested with their backend components by iBeta as biometric facial recognition systems to the ISO 30107-3 Biometric Presentation Attack Detection Standard and were found to be in compliance with Level 2.

Best regards,

A handwritten signature in black ink, appearing to read "R. Borgstrom".

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