



27 November 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 Olimpia IT's Olimpia-Liveness v0.0.16 (Android) application on a Samsung Galaxy S23 running Android 14 and Olimpia-Liveness v1.0.2 (iOS) application on an iPhone 11 running iOS 17.5.1. iBeta conducted active liveness testing from 12 November to 27 November 2024 using applications provided by Vendor, both supported by the same backend components.

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 750 Presentation Attacks (PAs) and 250 bona fide presentations on each device, or until 24 hours had passed. The results were displayed for the tester on the device as "Your face is real – We Have Validated That Your Face is Genuine" for a successful attempt or "Processing error – The image does not correspond to a real person" for an unsuccessful attempt.

iBeta was not able to gain unauthorized access with the PAs over the course of 750 attempts per device, yielding an overall Presentation Attack (PA) success rate of 0%, resulting in an Attack Presentation Classification Error Rate (APCER) of 0%. The Bona Fide Presentation Classification Error Rate (BPCER) was also calculated and may be found in the final report.

The applications provided by Olimpia IT, Olimpia-Liveness v0.0.16 (Android) and Olimpia-Liveness v1.0.2 (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 "Ryan Borgstrom".

Ryan Borgstrom
iBeta Quality Assurance Director of Biometrics
(303) 627-1110 ext. 182
RBorgstrom@ibeta.com