



3 March 2022

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 FacePhi SelphID® version 3.3.0.78 SDK which includes PAD and matching subsystems on one smartphone device (an iPhone 11 running iOS 14.7.1). Testing of the passive liveness detection solution was conducted from the 7<sup>th</sup> of February 2022 to the 3<sup>rd</sup> of March 2022.

Testing was conducted in accordance with the contract for a level of spoofing technique that utilized materials available for under \$300 (USD) and where artefacts of the genuine biometric could be created in less than 24 hours 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 subject was limited to 24 hours. This is considered a Level 2 PAD test effort (second of three levels).

The test method involved enrolling 6 subjects and having them authenticate five times successfully. Six species of presentation attacks (PAs) were then attempted ten times each. As each attempt was conducted, the application would generally provide instructional messages.

A successful match would state 'Liveness and Authorization passed', or a failure message that stated 'Liveness failed'. On the device, over 300 total presentation attacks were attempted. At the conclusion of the PAD testing, the subject returned and authenticated five times successfully to verify that the facial recognition 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%. The bona fide False Match Rate (FMR) also calculated at 0%. Other metrics may be found in the final report. The FacePhi SelphID® version 3.3.0.78 SDK was 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,

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

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