15 June 2021

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 Onfido Selfie version 9.3.1 (Android) and 21.4.0 (iOS) with the associated anti-spoofing service version 14. Testing of the passive liveness detection onboarding solution was conducted from the 3rd of June to the 10th of June 2021 on two smartphones (Google Pixel 4 with Android 11 and an Apple iPhone 11 with iOS 14.4).

Testing was conducted in accordance with the contract for a level of spoofing technique that only utilized simple, readily available methods to create artefacts 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 photos and videos of their likeness. The test time for each PAD test per Presentation Attack Insturment (PAI) was limited to eight hours. This is considered a Level 1 PAD test effort (first of three levels).

The test method was to apply 1 bona fide subject presentation that alternated with 3 artefact presentations during 8 hours of testing per species per device. The process was to capture an image of a US driver's license and then provide a 'selfie' image to be analyzed by the Onfido server-based application. The dashboard would then show a pass (in green) for a successful attempt, or a fail (in orange) for an unsuccessful attempt for the "Spoofing Detection" result.

On both the Google Pixel 4 and the iPhone 11, iBeta was not able to gain a liveness classification with the presentation attacks (PAs). With over 100 PAs for each of 6 species per device, the total number of attacks for both devices was 1335 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 Onfido Selfie version 9.3.1 (Android), 21.4.0 (iOS) and the associated anti-spoofing service version 14 was tested by iBeta to the ISO 30107-3 Biometric Presentation Attack Detection Standard and was found to be in compliance with Level 1.

Best regards,

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