



08 June 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 Testing 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 Liveness Video 2.0 Product application (Android) v1.1.139 on a Google Pixel 4 device (Android 12) with the cloud based biometrics-liveness service (60e401f59bacf06c280bd12f3facfdb6b52c1fc checksum) from May 31 through June 7, 2022. The active liveness detection testing was on a single smartphone (Google Pixel 4 with Android 12).

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 was to apply 1 bona fide subject presentation that alternated with 3 artefact presentations during 24 hours of testing per species. The process was to scan a QR code and then provide a video recording to be analyzed by the Onfido server-based application. The results were displayed for the tester on the Android device as either “Clear” with a green checkmark for a successful attempt, or a fail (with a yellow dash) for an unsuccessful attempt from the “Consider” result.

On the Google Pixel 4, iBeta was not able to gain a liveness classification with the presentation attacks (PAs). With 150 PAs for each of 5 species per device, 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 Onfido Android Liveness 2.0 Product application v1.1.139 with the associated cloud based biometrics-liveness service (60e401f59bacf06c280bd12f3facfdb6b52c1fc checksum) 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", with a stylized, cursive script.

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