12 July 2023

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 Accura Scan's Accura Face Liveness v1.0 application on a OnePlus Nord N200 running Android 12, as well as the associated backend component accurascan/faceliveness 2.0.0. Testing of the passive liveness detection solution was conducted from 29 June to 12 July 2023.

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 Insturment (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 such that each species consisted of 150 Presentation Attacks (PAs) and 50 bona fide presentations. The results were displayed for the tester on the device as having a liveness score of over 50% for a successful attempt, or under 50% for an unsuccessful attempt.

On the OnePlus Nord N200, iBeta was not able to gain a liveness classification with the presentation attacks (PAs). With over 150 PAs for each of 5 species, 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 Accura Scan Accura Face Liveness v1.0 application and backend component accurascan/faceliveness 2.0.0 were tested by iBeta to the ISO 30107-3 Biometric Presentation Attack Detection Standard and were found to be in compliance with Level 2.

Best regards,

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