1 November 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 SenseTime International PTE LTD's Liveness application (Android v3.3.0, iOS v3.3.1), with the associated backend cloud component, kliveness v1013. Testing of the active liveness detection solution was conducted from 23 October to 1 November 2023, on a Samsung Galaxy S20+ 5G running Android 11, and an iPhone 13 Pro running iOS 15.0.

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 Instrument (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 such that the presentation of each species consisted of 150 Presentation Attacks (PAs) and 50 bona fide presentations, or until 8 hours had passed. The results were displayed for the tester on the device as "Successful detection" (Android) or "Success" (iOS) for a successful attempt, and "HACK" / "LiveColor Hack"(Android) or "HACK" / "110:Color fail"(iOS) for an unsuccessful attempt.

iBeta was not able to gain a liveness classification with the presentation attacks (PAs) on the Samsung Galaxy S20+ 5G or iPhone 13 Pro over a total of 1800 attacks (900 per device), 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.

SenseTime International PTE LTD's Liveness application, v3.3.0 installed on a Samsung Galaxy S20+ 5G running Android 11 and v3.3.1 installed on an iPhone 13 Pro running iOS 15.0, used with backend component kliveness v1013, 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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