



02 September 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 the Kasikorn Labs, KBTG Face Liveness SDK v4.0.0 on a Galaxy Note 20 5G running Android 10, and an iPhone 12 Pro running iOS 14. iBeta conducted testing from 28 July to 2 September 2022. Liveness detection was active.

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 present an artefact to the application. Successful presentations were indicated by a green “Thank you” message from the application, and unsuccessful presentations, including instances in which the application timed out, were indicated by a red “Sorry, please try again” message.

iBeta was not able to gain a liveness classification with the presentation attacks (PAs) on either device tested. With 150 PAs for each of 5 species per device, the total number of attacks was 1500, 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 Kasikorn Labs, KBTG Face Liveness SDK v4.0.0 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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