



29 March 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 VU™ Secure Onboarding Process version 1.2.5.1 on two Samsung devices associated with the associated server version 1.29.0 (VU™ Onboarding API). Testing of the active liveness detection onboarding solution was conducted from the 23rd of March to the 25th of March 2021 on two smartphones (Samsung Galaxy S10 and S10+ both running Android 10).

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 PAI was limited to eight hours. This is considered a Level 1 PAD test effort (first of three levels).

The test method involved enrolling subjects and having them authenticate five times successfully. Six species of presentation attacks (PAs) were then attempted ten times each. As each attempt was conducted, the application would generally provide instructional messages. The application would state 'Autenticacion fallida: Login Fail', defining an unsuccessful result which, in turn, corresponded to over 360 total presentation attacks over the entire test effort on the Samsung Galaxy S10 and S10+. At the conclusion of the PAD testing, the subject returned and authenticated five times successfully to verify that the Presentation Attack Detection application was still able to recognize the genuine subject. On each smartphone used in the test, iBeta was not able to gain unauthorized access with a presentation attack. With 60 attempts for each species, the total number of attacks was 360 (180 per device) and the Presentation Attack (PA) success rate was 0%.

The Secure Onboarding Process version 1.2.5.1 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,

A handwritten signature in blue ink that reads "Gail Audette".

Gail Audette
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