



23 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 the Integrated Biometrics Watson Mini v2.10.0 device and its associated sensor software, WATSON MINI\_v1.1.4 (20900053-E00K), using the Integrated Biometrics IBPADValidation v1.5.5.0 software on a PC. The PAD classifier system consisted of both software (AI image processing) and hardware (electrical characteristic sensing). Testing of the fingerprint verification solution was conducted from 9 June to 21 June, 2022.

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 fingerprint images and cooperative molds. 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. A successful match would state "Hi, (subject name)", or a failure message such as "Detected Spoof-SW=Classifier". A total of 360 presentation attacks were attempted on the Watson Mini v2.10.0 device and its WATSON MINI\_v1.1.4 (20900054-E00K) software. At the conclusion of the PAD testing, the subject returned and authenticated five times successfully to verify that the capture device and application was still able to recognize the genuine subject.

iBeta was not able to gain unauthorized access with the PAs yielding an overall Presentation Attack (PA) success rate of 0%, which then equates to the overall combined Imposter Attack Presentation Match Rate (IAPMR) of 0% on the Watson Mini v2.10.0 device and its WATSON MINI\_v1.1.4 (20900054-E00K) sensor software. The bona fide False Non-Match Rate (FNMR) may be found in the final report.

The Integrated Biometrics Watson Mini device v2.10.0 and sensor WATSON MINI\_v1.1.4 (20900054-E00K) solution 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 black ink, appearing to read "Ryan Borgstrom". The signature is fluid and cursive, with the first name being more prominent.

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