



Letter of Confirmation

Issued to HyperVerge Technologies Private Limited ("HyperVerge")
for test report issued on the 8th of February 2024 for
ISO/IEC 30107-3 compliant Presentation Attack Detection (PAD) Level 2 evaluation of,
HyperKYC v-0.18.1 with HyperVerge FAS system (backend) – v-2.0.0] -Item under test (IUT)

To whom it may concern,

BixeLab is a biometric testing laboratory accredited by National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP) with testing Lab code: 600301-0 ([certificate and scope](#) may be downloaded from the NVLAP website). BixeLab also conforms to the requirements of ISO/IEC 17025:2017 (General Requirements for Competence of Testing and Calibration laboratories). BixeLab shall not be held liable for any interpretations, decisions, or actions based on the information contained in this confirmation letter. BixeLab does not certify or make any claims regarding the performance of the IUT outside of the described context in this letter. It's important to note the time period for testing as attacks are constantly evolving.

Between December 2023 and January 2024, BixeLab evaluated the Item Under Test (IUT) using Samsung A14 (Android 13) and Samsung S20 FE 5G (Android 13). Evaluation was performed in compliance with the applicable specifications of the ISO/IEC 30107-1 and ISO/IEC 30107-3 Presentation Attack Detection (PAD) testing and reporting standards. This evaluation took place at the BixeLab headquarters located in Australian Capital Territory, Australia.

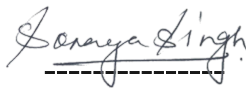
The PAD evaluation was completed to a Level 2 sophistication in a secure laboratory testing environment using a combination of 6 Level B Presentation Attack Instrument (PAI) species for face modality. These PAIs were specifically designed for 10 consenting and conformant test subjects. The evaluation focused on assessing the presentation attack detection subsystem.

Level 2 evaluation involved 6 distinct Level B presentation attack instrument (PAI) types, A total of 300 Level B attacks presentations were conducted covering face modality. 30 bona fide presentation transactions were completed on PAD subsystem. The following metrics were measured after supplementary testing in addition to formal testing:

1. Attack Presentation Classification Error Rate (APCER)
 - a. 0 classification error for 6 out of 6 Level B attack types tested.
2. Bona fide presentation classification error rate (BPCER)
 - a. 0 classification errors for all bona fide presentations tested.

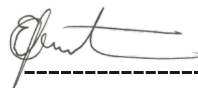
A detailed test and analysis report was generated to support the findings. For the associated Attack Presentation Non-Response Rate (APNRR) and Bona fide Presentation Non-Response Rate (BPNRR) metrics, please refer to the test report [24_BXL027_TR_00].

This letter confirms that HyperKYC v-0.18.1 with HyperVerge FAS system (backend) – v-2.0.0] -Item under test (IUT) has been tested according to the applicable requirements set forth in ISO/IEC 30107-3 specifications for Presentation Attack Detection testing and reporting and was found to be Level 2 compliant.



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