BixeLab

Biometrics Identity Experience & Evaluation Laboratory

Letter of Confirmation

Issued to KSV

for the test report issued on the 10th of October 2021 for,

ISO/IEC 19795-2 compliant Biometric Performance Testing of,

KSV text independent Voice authentication solution – version 2.0

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. 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 SUT outside of the described context in this letter.

Between August and October 2021, BixeLab conducted the Biometric Performance Testing of KSV's text independent Voice authentication solution – version 2.0 – System Under Test (SUT) in compliance with the applicable requirements set forth in ISO/IEC 19795-1 and ISO/IEC 19795-2. This testing took place at the BixeLab headquarters located in Australian Capital Territory, Australia.

The Biometric Performance Testing was conducted using a web API endpoint to the SUT in a remote secure test environment. The performance was measured using a demographically diverse dataset of 281 individuals. This corpus was made up of mono.wav format audio samples with an average length of 55 seconds sampled at 8 kHz and was a combination of data sourced by the technology provider as per the specifications provided, as well as, data sourced by BixeLab to validate SUT's performance on both datasets. Each enrolment voice sample was compared in a maximum of 4 mated comparisons and 100 randomly sub-sampled non-mated comparisons, producing a total of 28576 comparison attempts (1117 mated and 27459 non-mated).
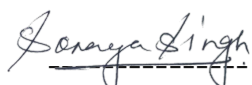
The following metrics were measured:

- A False Match Rate of 0.87% across 27456 non-mated comparisons.
- A False Non-Match Rate of 5.01% across 1117 mated comparisons.

A Failure to Acquire Rate of 0% was recorded.

The letter confirms that the SUT - Kaizen Secure Voiz (KSV) text independent Voice authentication solution –version 2.0 was tested within the applicable requirements set forth in ISO/IEC 19795 -1 and ISO/IEC 19795 – 2.

A detailed test and analysis report was generated to support the findings.

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