Morpho Fingerprint Identification Technology First in 1-1 Verification

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Morpho fingerprint identification technology has proven the most accurate for 1-1 verification, according to the latest test results from the National Institute of Standards and Technology (NIST). Morpho, with its U.S. subsidiary MorphoTrak, led a dozen other biometric technology vendors in the latest Proprietary Fingerprint Template Evaluation (PFT II). NIST released the test results on March 18, 2015.

PFT II is the second phase of an ongoing program to measure the performance of fingerprint matching software in 1-1 verification, which compares two fingerprints to verify that the prints belong to the same individual. Scanning a single finger to gain entry to a secure area is a wide-spread application of 1-1 verification. Authorized individuals have a baseline fingerprint on file, and they must scan a matching finger each time they enter the secure zone.

PFT II assessed the competing software under the most rigorous test conditions to date. Phase I of the evaluation compared thumbs and index fingers only. To test the vendors' matching software with a wider range of samples, Phase II evaluated index fingers, middle fingers, and thumbs. In addition, the tests were performed with three different types of impressions – plain vs. plain, plain vs. rolled, and rolled vs. rolled – in four different sizes.

In all, 32 tests comprised the evaluation. MorphoTrak's average accuracy across the tests was 17 percent better than the nearest competitor. The established measurement of accuracy is the False Rejection Rate when the False Acceptance Rate is 0.01 percent, or more technically, FRR@0.01%FAR.

> *The results of the PFT II evaluation clearly demonstrate Morpho's leadership in the field of biometric identification, and we are pleased to offer the security, identity, and law enforcement communities the assurance that our technology is the right choice for accuracy.*
>
> *Celeste Thomasson, President and CEO of MorphoTrak*

For additional information about the NIST PFT II evaluation, visit http://www.nist.gov/itl/iad/ig/pftii.cfm.

About us - IDEMIA, the global leader in Augmented Identity, provides trusted technology enabling citizens and consumers alike to perform their daily critical activities (such as pay, connect, travel and vote), in the physical as well as digital space.

Securing our identity has become mission critical in the world we live in today. By standing for Augmented Identity, an identity that ensures privacy and trust and guarantees secure, authenticated and verifiable transactions, we reinvent the way we think, produce, use and protect one of our greatest assets – our identity – whether for individuals or for objects, whenever and wherever security matters. We provide Augmented Identity for international clients in the Financial, Telecom, Identity, Public Security and IoT sectors.

With 13,000 employees around the world, IDEMIA serves clients in 180 countries.

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