Identy.io achieves elite performance in first-ever NIST fingerprint identification benchmark submission

Identy's debut achieved a top 3 global ranking in FRIF TE E1N Class B Identification flats, surpassing established leaders with superior accuracy and breakthrough search, critical for applications like border control and national ID projects.

DOVER, Del. — February 26, 202 — Identy.io today announced exceptional results in its first submission to the National Institute of Standards and Technology (NIST)'s Friction Ridge Image and Features Technology Evaluation – Exemplar One-to-Many (FRIF TE E1N), immediately establishing itself among the world's elite fingerprint recognition providers.

Representing a significant milestone for border control and national identity programs, the FRIF TE E1N benchmark evaluates fingerprint identification accuracy against databases containing millions of records, reflecting real operational environments such as border checkpoints and national ID enrollment centers.

The results from Identy's fingerprint identification technology include:

- **Top tier accuracy in Identification Flats**, achieving an exceptional 99.99% match rate (FNIR 0.0001) in the 4-4-2 configuration used at border crossings worldwide. Identy outperformed the current global leaders in searches across a 3-million-subject database.
- **The fastest search performance** among all vendors with median search time of just 2.1 seconds, This makes us 30% quicker than the next best vendor High search throughput is necessary for real-time identification in critical areas like travel and border security.
- **Short template creation time and zero segmentation failures** enabling rapid enrollment processing for national ID programs and reducing infrastructure requirements for large-scale deployments.
- **Consistent top-tier performance across all test categories**: top ranking in Class A (index fingers), Class B (Identification Flats), and delivering excellent results in Class C (plain and rolled ten-prints) demonstrates versatility for application from border control to criminal investigation.

"Reaching the top 3 globally on our first NIST FRIF TE submission, and doing it faster than vendors who have been in this space for decades, tells us we're solving the problem the right way. The benchmark is independent and public, anyone can verify it. That's the standard we hold ourselves to".- Jesus Aragón, CEO and Founder of Identy.io

NIST's FRIF TE E1N benchmark provides independent, transparent assessment under conditions mirroring national-scale deployments. Identy's results are independently verified and available at:
https://pages.nist.gov/frifte/e1n/results/identy+0001/

Multimodal ABIS Platform: Delivering Complete Identity Solutions

Identy's breakthrough fingerprint performance complements its proven face recognition capabilities in NIST FRTE 1:N and 1:1 evaluations, where the company achieved competitive rankings in critical border control scenarios. This dual-modality excellence positions Identy as a complete Automated Biometric Identification System (ABIS) provider already deployed in real-world National ID and Border Control projects, delivering the multimodal verification capabilities, exceptional processing speed, and unified platform architecture that enable governments to meet the demands of high-throughput operations while maintaining elite accuracy standards.

About Identy.io
Headquartered in the US with offices in Brazil, Mexico, Nigeria, Spain and India, Identy.io is the global reference in digital identity verification using touchless mobile biometrics. At Identy.io we believe in multi-factor authentication, while advocating the need to replace traditional methods of identity verification using passwords, tokens or OTPs (One Time Passwords), which do not guarantee the user's identity.

At Identy.io we work with institutions to secure identity in their business processes by using touchless biometrics from users' mobile devices. Our liveness authentication protection makes biometrics secure and deployable on a large scale. For more information, visit https://identy.io