



NEWS RELEASE

priv-ID introduces revolutionary biometric match-on-card

Eindhoven, the Netherlands (Friday December 3, 2010) – Today, priv-ID released a revolutionary biometric Match-on-Card solution based on its BioHASH® technology. This Match-on-Card implementation is based on a fundamentally different approach, leading to an absolute minimum code-size requirement, while providing portability to different cards and a very high matching speed without compromising matching accuracy.

Match-on-Card is a widely used concept for storing and matching fingerprint templates on a smart card. Traditional match-on-card systems are facing some practical drawbacks:

- The large code-size requirement in EEPROM makes typical match-on-card implementations costly or requires vendors to implement the MoC in ROM, which incurs significant development time and logistic complexity.
- Typical matching times are strongly card dependent and have to be optimized in a trade-off between matching accuracy and matching speed. Native code is sometimes used to achieve higher speed, but this comes at the expense of portability and vendor-independence.
- Traditional match-on-card algorithms are designed for one single modality like fingerprint or iris or face or vein. Deployment of a multi modal, or modality independent, system requires installation of multiple match-on-card algorithms.

priv-ID's match-on-card is based on the successful BioHASH® technology, that transforms the biometrics into a binary feature vector, that can be protected with an off-the-shelf cryptographic hash function such as SHA-256. The BioHASH® matcher is modality independent and works the same for fingerprint, iris, face or vein information.

"This development will provide our partners and customers the opportunity to deploy a BioHASH® modality independent match-on-card system that minimizes the impact on EEPROM, reduces cost and improves matching speed, while maintaining the matching accuracy" says Michiel van der Veen, CEO of priv-ID. "One single BioHASH® match-on-card implementation that works for fingerprint and vein will have enormous market benefits for applications like identity cards, logical access control or EMV compliant payment cards"

On December 6-9, 2010, priv-ID will exhibit at Cartes in Paris (booth 4K103), where it will demonstrate the BioHASH® match-on-card solutions.

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About priv-ID

priv-ID is the leading provider of PET (Privacy Enhancing Technology) that eliminates privacy and security concerns in biometric deployments. The company offers the high-quality BioHASH® solution, which stores and matches standardized fingerprint information using an irreversible binary hash code. The same hash technology is routinely used in securing PIN codes in financial transactions and passwords in IT security.

priv-ID's BioHASH® guarantees a **high-secure storage** in Identity Documents without the need for complex Public Key Infrastructures such as Extended Access Control. When combined with smart card technology, BioHASH® ensures an extremely low-complexity, easy to integrate, cost effective and modality independent **match-on-card**, while respecting existing biometric standards. priv-ID originated from Royal Philips Electronics and is based at the High Tech Campus, Eindhoven, the Netherlands.

