

Sealys BioPIN

||||| Security, Privacy and Convenience to drive user adoption



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Identity theft and document fraud are a growing cause for concern as they compromise national security and administration efficiency, as well as impede provision of government services. Unlawful use of personal identification information can also result in social injustice as government agencies may, by consequence, unwittingly grant benefits to ill-intentioned individuals and deprive legally entitled citizens.

Fingerprint match-on-card allows citizen identification in a unique, secure and convenient way using citizen biometrics instead of memorizing a complex PIN code. Privacy is ensured as citizen fingerprints never leave the secure document.

Gemalto's Sealys BioPIN is an end-to-end biometric solution including BioPIN application, match-on card algorithm as well as associated desktop and server middleware. Sealys BioPIN brings unique key benefits to both governments and citizens:

- Trust through security, reliability and standards compliance
- Eased adoption of eServices
- Risk-free and flexible project implementation

Trust through security, reliability and standards compliance

The Sealys BioPIN solution supports full interoperability through ISO and CEN standards compliance, preventing to be locked with proprietary technology. MINEX II 2011 tests, run by the US federal innovation agency NIST, have proven the matching accuracy and speed of the Gemalto match-on-card algorithm.

Gemalto ensures end-to-end security by providing a full array of products and services, from Common Criteria-certified smart card OS and application development to biometrics, middleware and eServices expertise.



Ease of adoption for smooth eServices rollout

Sealys BioPIN's enhanced functionalities facilitate use-case design to meet government needs and increase end-user adoption. Both 1:1 and 1:n authentications are supported with speed and accuracy using flexible BioPIN and BioPUK protocols. BioPIN's built-in interfaces empower with biometric capability other applications resident in the same electronic document.

Hassle-free deployment using state-of-the-art equipment is made possible thanks to the interoperability with the majority of available extractors and sensors. Gemalto's consistent Sealys electronic documents and Coesys solutions offer seamless transition to future eServices requirements.

Flexible, risk-free project implementation

A small template footprint, shared resources and global interoperability facilitate efficient solution design and deployment. Individual program

modules can be easily integrated into the existing infrastructure to enable cost-effective project management, while the licensing program can be adapted to suit to each configuration. Continuously innovating and leveraging multiple secure electronic document implementations, Gemalto remains a committed partner for the entire lifetime of its customers' identity programs.

A trusted authority on biometric documents

Gemalto has extensive experience in the public sector, having contributed to more than 60 national secure electronic document projects worldwide. These include passport, national ID, residence permit, driver's license and healthcare programs. The company currently contributes to over 20 secure electronic document projects involving fingerprint biometrics, including five National eID schemes with match-on-card biometric verification for the governments of Bahrain, Portugal, Qatar and the United Arab Emirates.

