Sealys eTravel Operating System

A long-term commitment to speed, security, flexibility
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> Sealys eTravel Operating System for electronic passports by Gemalto is the key to a secure, durable and interoperable passport:
• Expedites border control thanks to its EAC reading time—the fastest on the market
• Reduces personalization costs by leveraging record writing performance
• Secures and rationalizes supply chain, cutting costs with multiple interchangeable microprocessor platforms
• Enables utter flexibility through support of extensive security capabilities

Sealys eTravel is Gemalto’s next generation ICAO-compliant operating system, featuring Basic Access Control (BAC) and Extended Access Control (EAC) capabilities.

Sealys eTravel enables governments to realize significant cost savings and reduces total cost of passport ownership.

Expedites border control

At 2.6* seconds for a complete EAC transaction processing 48KB of data and 100% interoperability (EAC tests in September 2008), Sealys eTravel Operating System remains—since 2004—the fastest, most interoperable electronic passport operating system on the market.

High reading speed and reliability mean rapid, trouble-free travel document processing, enhancing security and reducing costs at border control.

Reduces personalization costs

National printing offices and other organizations involved in the issuance of passports are keen to optimize resource availability and allocation. Sealys eTravel Operating System record writing performance dramatically reduces passport personalization time, meeting challenges of the electric personalization process, especially in the context of EAC migration.

Secures and rationalizes supply chain

Deployable on multiple interchangeable microprocessor sources, Sealys eTravel Operating System allows you to switch from one microprocessor source to another without any impact on personalization or usage.

Such flexibility enables you to benefit from microprocessor industry innovations in technology and efficiency while curbing risk and preventing operational interruption.

Sealys eTravel also cuts the costs of supply chain management.

Enables utter flexibility through support of extensive security capabilities

Sealys eTravel Operating System is designed with enhanced security features, such as support for RSA and elliptic curve cryptographies, as well as an extensive set of key lengths (including RSA2048 and ECDSA384), enabling smooth migration to higher security levels during passport life cycles of up to 10 years.

Sealys eTravel is Common Criteria-certified by the most stringent certification bodies including French DCSSI and German BSI. Designed for use in both BAC and EAC modes, Sealys eTravel means seamless migration and hassle-free stock management.

Gemalto delivers secure personalization solutions with on-microprocessor key generation and mutual authentication.

Sealys eTravel Operating System supports both Type A and Type B communications. To broaden the possibilities, Sealys eTravel is available with up to 144KB non-volatile memory for easy migration to additional biometrics at a later date.

An established ePassport expert

Gemalto is currently the official operating system supplier to more than 20 national ePassport programs. In 2007, Gemalto marked a significant milestone by reaching 20 million shipments of Sealys eTravel operating systems. This achievement reflects both the continued growth of electronic identity markets and the leading position of Sealys eTravel documents.

Among other references, Gemalto’s Sealys eTravel operating systems are used in ePassport programs rolled out by the governments of the following countries: Côte d’Ivoire, Denmark, Estonia, France, Norway, Poland, Portugal, Qatar, Singapore, Slovenia, Sweden and the United States.