INTERPOL, ENTRUST DEVELOP ADVANCED MULTIPURPOSE SMARTCARD

Police agency’s Global Smart eID & eVisa revolutionizes global law enforcement travel credentials, advanced enterprise security
Crime-fighting Credentials

As important as their work may be, even INTERPOL officials may experience difficulties gaining entry to countries around the world. To respond quickly to requests from member countries for assistance in transnational investigations or urgent deployments following a disaster — whether natural or man-made — INTERPOL requires secure, but expedited, travel across all borders.

But this wasn’t reality. Using fraudulent identification, criminals could often move effortlessly through border checkpoints — a luxury not always available to INTERPOL officials.

INTERPOL Secretary General Ronald K. Noble demanded a better way. A method that was quick, secure and would help keep the world a safer place.

Birth of Smart Travel Documents

Soon after, the Secretary General built a relationship with Entrust Inc. CEO Bill Conner. The two collaborated with other trusted security vendors to help fill this security void. The result was the development and issuance of one of the world’s most advanced multipurpose credentials and travel documents.

In March 2009, the INTERPOL Executive Committee approved the creation of a custom credential that provides INTERPOL officials, when authorized, quick passage into countries across the globe.

“Born from discussions early in our relationship, Bill Conner and I were able to envision, develop and execute a multipurpose smartcard credential that should serve as the blueprint for identity-based security strategies across the globe,” said Secretary General Noble. “While this advancement was important to INTERPOL, it also will hopefully serve as a proven solution to solve even greater security challenges.”

“INTERPOL selected Entrust because of its track record in developing world-class products and services. The solutions developed by Entrust enable INTERPOL and other law enforcement agencies to work more freely, effectively and efficiently in protecting personnel, facilities and digital assets in the pursuit of transnational criminals.”

— Ronald K. Noble
Secretary General
INTERPOL
Entrust worked closely with INTERPOL to ensure the police agency had the most advanced security technology at its disposal. Together, Entrust and INTERPOL formed a public-private partnership to provide law enforcement officials with the right combination of state-of-the-art eID documents, systems and services, moving from a one-size-fits-all solution to a targeted approach for identity-based security.

A New International Standard in Security

The new Entrust-equipped INTERPOL travel document takes two forms: the ePassport and the eIdentification (eID) card. These documents set a new international standard in security via visible security features that include the ID-holder’s photo, as well as high-end, software-based security features.

These state-of-the-art physical security features combined with Entrust software technology provides the most comprehensive security and communication capabilities in the market and guarantee the security of an INTERPOL official’s identity — whether they are online or on a mission.

INTERPOL’s new electronic machine-readable travel documents (eMRTD) are fully compliant with both Basic Access Control (BAC) and Extended Access Control (EAC) standards for use at border checkpoints.

By using technology known as public key infrastructure (PKI), data contained in the INTERPOL travel document is digitally signed by a trusted source, read and validated back to that trusted source at an inspection station. If the chip or data has been falsified, copied or otherwise altered, the trust infrastructure will reject it and access will be denied.

About INTERPOL

With 190 member countries, INTERPOL is the world's largest international police organization. Created in 1923, it facilitates cross-border police cooperation, and supports and assists all organizations, authorities and services whose mission is to prevent or combat international crime.

Three-Part Security Solution

The security and functionality of the INTERPOL eID card and ePassport booklet results from a combination of three components:

- **Digital Identity**
  Electronic data including the photo, fingerprints and personal information of the holder

- **Smartcard or Passport Memory Chip**
  The physical medium for carrying the digital identity

- **Trust Infrastructure**
  The technology that issues, manages and subsequently reads and validates the card and digital identity back to a known trusted source
The ePassport is a 34-page, fully machine-readable booklet containing a polycarbonate biographical data page. As with the eID card, the ePassport also digitally stores personal and biometric data of the passport holder.

**Modern Enterprise Security**

This digital identity document not only acts as an eVisa facilitating border crossings using ICAO and EU standards in participating countries, but also is leveraged to enable strongly authenticated access to computers, applications and networks, and secure physical access to INTERPOL facilities.

The eID card is a multipurpose smartcard comprised of a polycarbonate substrate with a secured embedded contactless RFID memory chip. The card contains advanced Entrust software technology, which houses a strong and secure digital identity bound to the holder.

This single card enables INTERPOL to control access to resources, prevent theft of information and comply with privacy and digital signature regulations and laws on a global basis.

**Advanced Credentials for Stronger Identity Enforcement**

A result of this collaboration, INTERPOL and Entrust established the blueprint for advanced law enforcement identity security. This successful multipurpose global identification card and service helps expedite uninterrupted travel on missions in the pursuit of transnational criminals, while also including advanced enterprise authentication technology.

The public-private partnership provides law enforcement with the right combination of state-of-the-art eID documents, systems and infrastructure — helping create a proven, targeted approach for identity-based security in the global law enforcement community.

**Smart Credentials, Secure Identities**

A leader in identity-based security solutions, Entrust's smart credentialing solutions includes all necessary components — identity vetting, data capture, personalization, printing, issuance and management — to deploy comprehensive credentialing for border security, physical and logical access, or general identification initiatives.

Entrust's multipurpose smartcards facilitate mobility, interoperability and security of end-user access by employing one credential for building access, physical and logical access, and a wide range of key applications, including secure email and document-signing.