Building Trust in Identity with Mobile eVerification solutions

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A lot is done to increase the overall security in Identity documents and systems

- >700 million ePassports in circulation worldwide
- >120 countries with an ePassport program
- >50 countries with an eID card program
- >10 countries use biometry to authenticate voters with mobile solutions
- 2/3 ID cards in circulation worldwide will be electronic by 2018
- >106 countries contribute to Interpol database
- 54 million records in Interpol database
- 1,5 milliard database request for search in 2015
New technologies are developed to build trust in ID Documents… eg Sealys Color In PC « Color at its best » …

Sealys Color in PC offers high quality color photo personalized by laser inside polycarbonate card

Superior color photo personalization:
- high resolution ➞ outperforming competing technologies
- best protection ➞ integrated, overt, covert and forensic security elements

- World’s first color laser photo
… A better looking document with highest resolution

- High resolution up to 1200 dpi – the best in the market
- 2x the resolution of black & white picture in polycarbonate
- 4x times the resolution of standard D2T2 printing

D2T2 = Dye Diffusion Thermal Transfer
... with a wide range of security features

- Microtext with deliberate error
- High-resolution laser color photo
- Relief pattern
- Embedded contactless chip
- Sealys True Vision
- Sealys Window Lock
- UV- fluorescent rainbow printing
- Special raster image
- OVI
- Guilloches and rainbow printing
- Infrared visible ink
... Easy to authenticate, difficult to counterfeit

- Facilitated recognition of facial details
  ... thanks to high resolution photo

- Easy detection of simulations made by D2T2 or inkjet printing
  ... thanks to high resolution

- Photo authenticity
  ... proven through high resolution
Efficient ID Document Verification/Authentication is essential for proof of Identity and for Security

- **Strengthen Identity documents use**
  - Reduce ID fraud
  - Card holder authentication

- **Support government & private initiatives**
  - Answer to registration regulation requiring high ID verification
  - Enable registration service using Identity document

- **Increase citizen adoption around new services**
  - Simplify and automatize verification & registration services
  - Open doors for eGovernment services
Gemalto Coesys eVerification solution

A complete answer to eVerification use cases: electronic document authentication, data verification and identity check,
Coesys eVerification solution

- proves someone’s identity in mobile mode
- authenticates citizen using his biometry
Global benefit of Document eVerification

Document & identity verified at 100%

- Standard compliance
- Several document authentication
- Document Security Verification
- Biometric matching
- Back-end Access

Simplify & guaranty document & identity verification for Police officer

Reduces document and identity Fraud
Global benefit of Document eVerification

- On the fly Incident report
- Automatic Document Verification
- Automatic verification report
- On the fly Blacklist Alerts

Reduce of 50% Workload & back office

Save time for Police forces in the fight against crime
Mobile eVerification solutions

- **A Secure Mobile terminal**
  - Designed to answer to several markets and business case
  - Compact and modular Android mobile terminals with all device requested for secure electronic document reading

- **A Secure Android Software suite**
  - Designed to read all electronic document, perform biometric matching and enroll all data type to master a full registration process with security
  - Based on Android, to offer best performance and user experience
Coesys Tab

**Contactless Card Reader**
- Compliant with ISO 14443
- Fully interoperable to read all type of e-passport

**Contact Card Reader**
- Compliant to ISO 7816 1/2/3
- Fully interoperable to read all type of e-ID documents

**Fingerprint Scanner**
LES (Light Emitting Sensor) FAP 30
high quality & performance –
GSA FIPS 201 & FBI PIV Certified
Large finger scanner suitable for large scale identification and verification

**10” touch screen**
Ergonomic large screen for comfortable reading & update, Or Signature pad capture on tablet

**External connection**
Specific docking connection and mini USB (OTG)
For external device connection, power and data transfers

**Camera (back & front)**
High quality 8 MP camera autofocus with led flash - For Photo capture or Barcode reading

**Communications**
GPRS/2G/3G/4G, Bluetooth / WiFi, GPS
Blocklist verification, Name, document number etc.
- Automatic server connection
- Secure management of connection and data
- Local management for verification in case of network issue

**Embedded MRZ OCR Reader (option)**
MRZ scanning and NFC reading requires only a single action from the user for a quick and reliable MRZ data acquisition and decoding
- OCRB: able to read ID1, ID2 and ID3 documents

**High battery capacity**
8000mah, for full day autonomy
Fast power charging system

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Coesys Mobile eVerification Terminal

**Camera**
- High quality 5 MP camera autofocus with led flash
- Photo or Barcode reading through camera
- Window's aiming to facilitate acquisition
- 1D & 2D barcode

**Fingerprint Scanner**
- Capacitive high performance – FIPS 201

**Contactless Card Reader**
- Compliant with ISO 14443
- Fully interoperable to read all type of e-passport

**Contact Card Reader**
- Compliant to ISO 7816 1/2/3
- Fully interoperable to read all type of eID documents

**Swipe MRZ Reader**
- Miniature Bi-directional hand-sweep
- Machine Readable Travel Document Confirming to ICAO Document 9303
- 1 to 3 lines MRZ

**WatchList Server**
- Blacklist verification: Name, document number etc.,
- Automatic server connection
- Secure management of connection and data
- Local management for verification in case of network issue

**Option without MRZ Reader**
Coesys Mobile eVerification Terminal

Terminal integration
- 3.5" terminal
- Complete professional solution
- A 4GB mass storage

Contactless Card Reader
- Compliant with ISO 14443
- Fully interoperable to read all type of ICAO document using SAC protocol

Camera (back)
- High quality 5 MP camera autofocus with led flash
- For Photo capture or Barcode reading

Printing Fine Receipt
- Miniature Printer handheld & belt, the compact design makes it easy to carry all day
- Automatic BT connection
- Direct thermal printing of barcodes, text and graphics

WatchList Server
- Blacklist verification: Name, document number etc.,
- Automatic server connection
- Secure management of connection and data
- Local management for verification in case of network issue

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Coesys Terminal Management System

- Mobile Terminal Management System
  - Access terminal system info
  - Backup and restore terminal profiles
  - Applications management & deployment
  - Management of keys and certificates
  - Terminals Geo-localization (GPS or A-GPS)
  - Help Desk with full terminal remote control
  - Professional home screen application definition
  - Access for terminal reboot/suspend/lock-down

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Thank You