The next steps in optical & digital authentication for New ID Documents

ID4Africa – Windhoek
April 27th 2017
IDENTITY : CHALLENGES IN AFRICA

- Identification of the population
- Enrollment
- Issuance
- Cost
- Services

CONTROL AND AUTHENTICATION
A MARKET FLOODED WITH ID DOCUMENTS

National ID card
Social Security card, Health cards
Voter card
Driving License
Professional card
Resident card
Consulate card
Refugee card
Passport
Visa

WHY ?
- Need to identify people
- To get access to services
DON’T BELIEVE EVERYTHING YOU READ

Paper scission – Part of the UV transferred into the paper

Datapage scission – Replacement of personalized data – UV printing imitated

Paper scission
Top of the datapage kept intact

Overprinting
Lamination of a transparent overlay
DOCUMENTS NEED TO BE SECURE

A fine balance between ease of authentication and robustness of security
SECURITY FEATURES

Optical
- Holograms
- Inks / OVI
- Watermark / intaglio / fibers
- MLI / CLI
- Etc.

Digital
- Chip
- Database
- Hybrid solutions
OPTICAL SECURITY

Reliable, primary authentication solutions & state-of-the-art technology
THE DID™

More than 60 countries trust us with the DID for their passports, ID cards and banknotes

In Africa:
- South Africa NID,
- Senegal Passport and NID,
- Côte d’Ivoire visa,
- Kenya passport,
- etc.

No counterfeit reported so far
LATEST VISUAL SECURITY COMBINATIONS

Multiple embedded optical elements
- Limited surface (patch size)
- Full surface

Wave effect
- Giving the impression of continuous movement

Virtual
- Bringing a captivating 3D animation to the DID™ color permutation
OPTICAL SMART TECHNOLOGIES

Combining optical and digital security features
RIGHT IDENTITY?

The photo authentication solution
Photometrix™

- Focused on ID picture, major source of Identity Fraud
PHOTOMETRIX™

Principle
• Digital signature of the photograph
• Offline automated authentication of the photo
  Via a regular Smartphone

Technology
• Comparison between the picture on the card and specific characteristics of the picture encrypted into the Photometrix™ code
• Respects privacy by design
Photometrix™ Code

Collect data
- Picture
- Personal details

Encrypt Data
- Picture digital imprint and personal data are encrypted
- Optional: Biometric

Generate Photometrix Code
- Encrypted data

Compatible with standard person systems
Offline authentication

Offline check via Smartphone
- Automatic authentication of the picture
- Immediate verification of some personal details

Key benefits
- Direct authentication
- Easy check, everywhere
- Minimum total cost of ownership
Going further

Offline biometric integration
- Additional authentication feature through fingerprint or facial recognition
- Link between card holder and the encrypted data into Photometrix™ Code

Online Database
- Complete control
  - Access to additional personal details
- Business Intelligence
  - Data collection
  - Statistics
  - Reporting
ABOUT SURYS
Facts & Figures

390 employees worldwide
Present in 116 countries
90% of the business is international
10% is reinvested in R&D

Offices

Trumbull, Connecticut, USA
Production site 5 200 m²

Bussy-Saint-Georges, France
Head office, Production site 14 000 m²

Dieburg, Germany
Production site

Amsterdam, Netherlands
Keesing Technologies
THANK YOU FOR YOUR ATTENTION

From science to confidence, we manage your journey

Benoît des Places
Sales Manager Africa
b.desplaces@sury.com
+33671581369