

Avoiding the Pitfalls of Biometric Data Enrollment



SPEED IDENTITY[®]

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SPEED IDENTITY[®]

Your expert partner in
biometric data enrollment

The non-integrated Scenario



Scary Pitfalls

- Inadequate biometric data quality
- Biometric Data not securely tied to applicant & document
- Bulky system, “unplaceable”
- Fragile – consumer grade components
- Costly & resource-consuming maintenance / life cycle mgmt
- Complex & demanding integration to infra/host system/application
- Not involving all relevant stakeholders

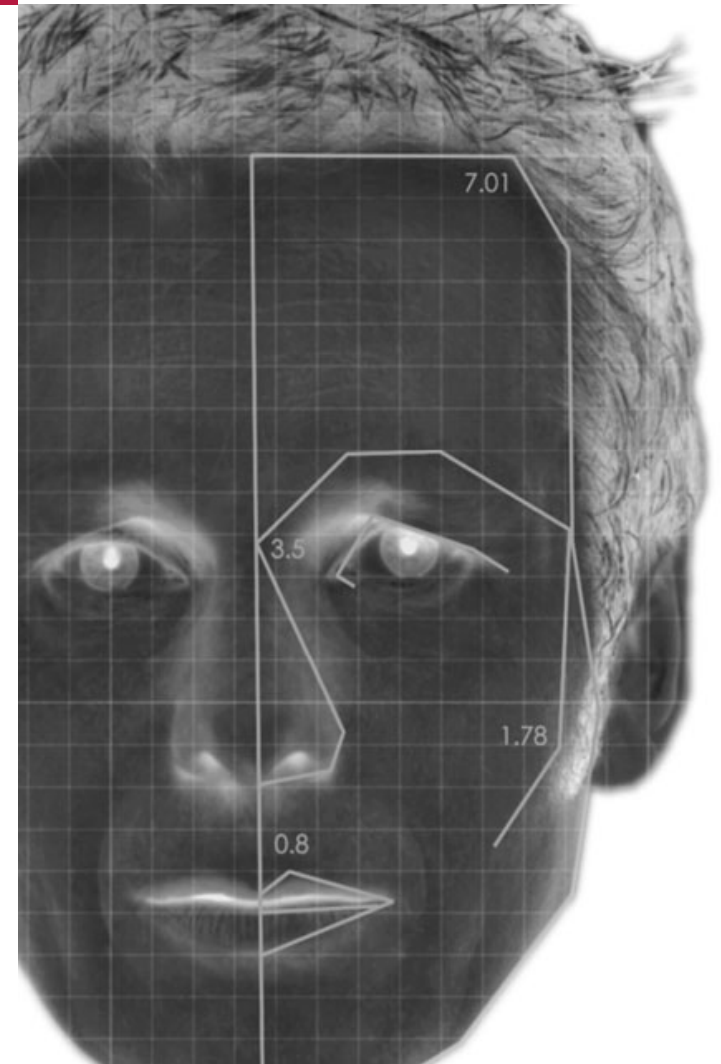
Is security an issue?



Avoiding the Pitfall:

Biometric data quality

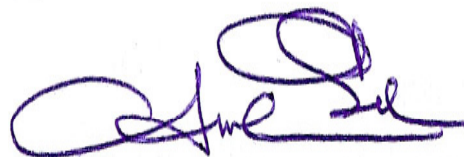
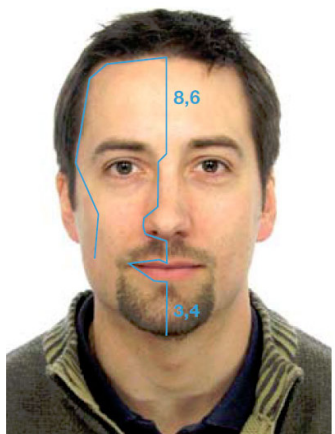
- ICAO/ISO-compliant photo quality
- NIST/NFIQ/BMS-compliant fingerprint files
- Quality-control algorithms integrated, output ALWAYS quality-approved
- Output data: JPG, PNG, TIFF, WSQ...
- Is QA integrated in the capture process?



Avoiding the Pitfall:

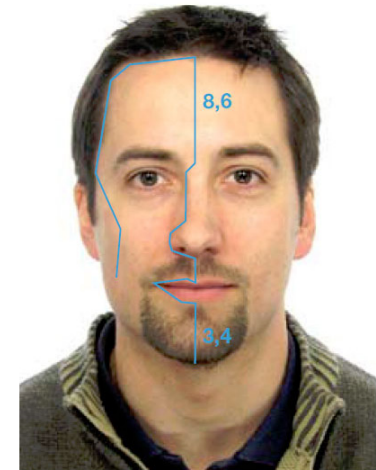
Data securely connected to applicant & document

- A monitored, Live Enrollment process
- Unbroken digital chain
- Biometric ID verification at document transfer



Unbroken Digital Chain

- Retrieve applicant biographic data from database
- Capture facial image – Instant Quality Assurance
- Capture fingerprints – Instant Quality Assurance
- Applicant verifies data (previews) via signature pad
- Biometric data retrieved by authority's host system, then delivered to production database
- ID Document printed using original digital files + storing digital biometric files in chip



Avoiding the Pitfall:

Placeability / Usability



Avoiding the Pitfall:

Fragile system

- Consumer- or Industrial-grade components?
- Robust design?
- Placement in the public environment?

Avoiding the Pitfall:

Serviceability & Life Cycle Management

- On-Site or swap/repair?
- Modularity – will any failure result in a "dead" system?
- Cost of maintaining & servicing?

Avoiding the Pitfall:

Integration with host system / workflow

- Speed Capture API software controls all input sensors, quality parameters and output files
 - Integrated ICAO/ISO quality assurance software
 - Software platform based on a secure web service
 - Standard Programming Interfaces
- =** Easy integration with host applications:
- National authorities
 - Producers of ID-documents

Avoiding the Pitfall:

Stakeholders

- Ministry of Interior
- Ministry of Foreign Affairs
- Migration Authority
- Police
- Forensics
- Municipality offices
- Tax Authority..



Wouldn't it be nice to have just
ONE unit that delivers best
practice in all aspects?!

Bringing it all together

Speed Capture G3 – the ultimate solution.

- cost efficient
- all-in-one solution
- maximum up-time
- scalability: modular, flexible



reddot design award
honourable mention 2011

G3



Summary/Checklist:



Secure Live Enrollment



ICAO / ISO compliant biometric data



Flexibility / Placeability



Modular design



Easy Integration

The logo consists of the letters 'G', 'E', and 'B' in a bold, white, sans-serif font. The 'G' is a simple, rounded shape. The 'E' is a stylized, blocky letter with a horizontal bar at the top. The 'B' is a bold, blocky letter with a horizontal bar at the top. The letters are closely spaced and centered horizontally.

Not only smart, high-quality
and good looking...

It's Everywhereable!

Questions?



THE END