

Guinea-Bissau

Delivering Trusted Services with Secure National IDs

Wayne Fletcher, Government Solutions Marketing

REPUBLIC OF GUINEA-BISSAU MODERNIZING TO FIGHT FRAUD

Challenges



Requirements

Surge in document falsification and counterfeiting — existing paper-based system had insufficient protection against attacks

A Secure ID document that is resistant to simulation (“counterfeiting”), alteration (“tamper”), and easy to verify with confidence

National ID had lost credibility — as a viable credential and the government was under growing pressure to re-build trust, both internally and internationally

Modernize the card issuance process adding comprehensive audit trails to reduce internal fraud

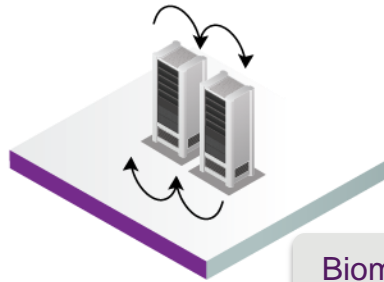
Lack of civil registration database — to identify the countries citizens

Integrate the latest identification technologies for application development, systems & network design, database design and optimisation, biometrics and encryption

Starting from the ground up — registering, producing and issuing one million National ID cards in five years

Reestablish credibility with highly secure identity to prevent election fraud, fictitious employment, salary remuneration fraud, and illegal immigration

REPUBLIC OF GUINEA-BISSAU ENHANCES ID CARD SECURITY



Biometric one-to-many
(1:n) check



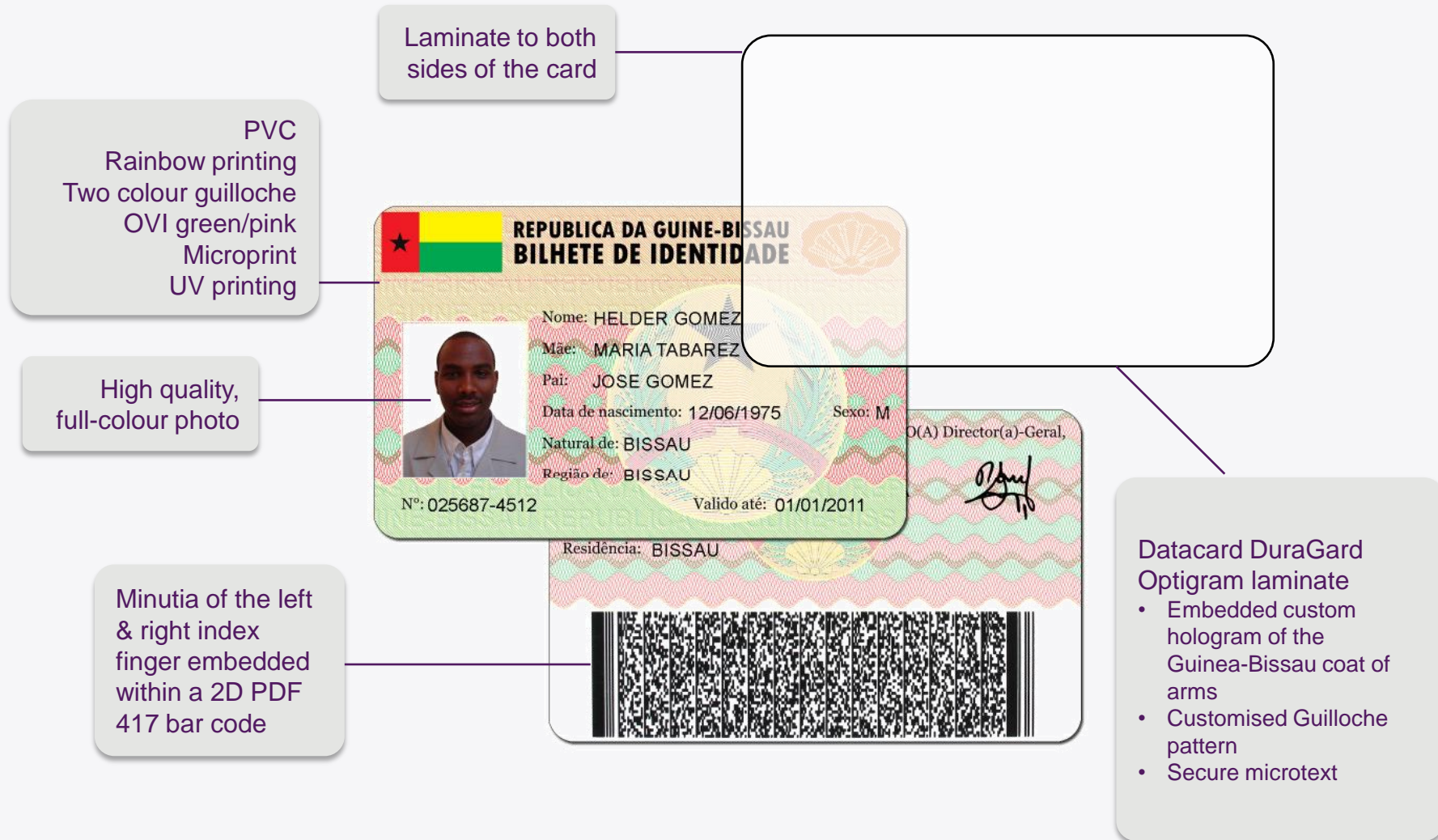
Application form for enrollment
Document evidence
Photo capture
Two index fingerprints

Collect ID cards in person
Final one-to-one (1:1)
authentication



SEMLEX
GROUP

RE-ESTABLISHING CREDIBILITY



THE NEXT STEP IN DELIVERING TRUSTED SERVICES

PHYSICAL SECURITY

TRUSTED IDENTITY

DIGITAL SECURITY



SUBSTRATE

Paper
PVC
Polycarbonate
Smartcard

CARRIER

We innovate across platform technologies

HSM
USB
Mobile
Smartcard



FORM FACTOR



PERSONALISATION

Inkjet
Dye
Sublimation
Retransfer
Laser

CREDENTIAL

We create the personalized credential

X509
ICAO
BAC/EAC
ISO7816
PIV



CERTIFICATE



SECURITY FEATURES

Laminates
Hologram
STOP
Laser

AUTHENTICITY

We protect and seal for integrity

Encryption
Hash
Keys
PKI



DIGITAL SIGNATURE

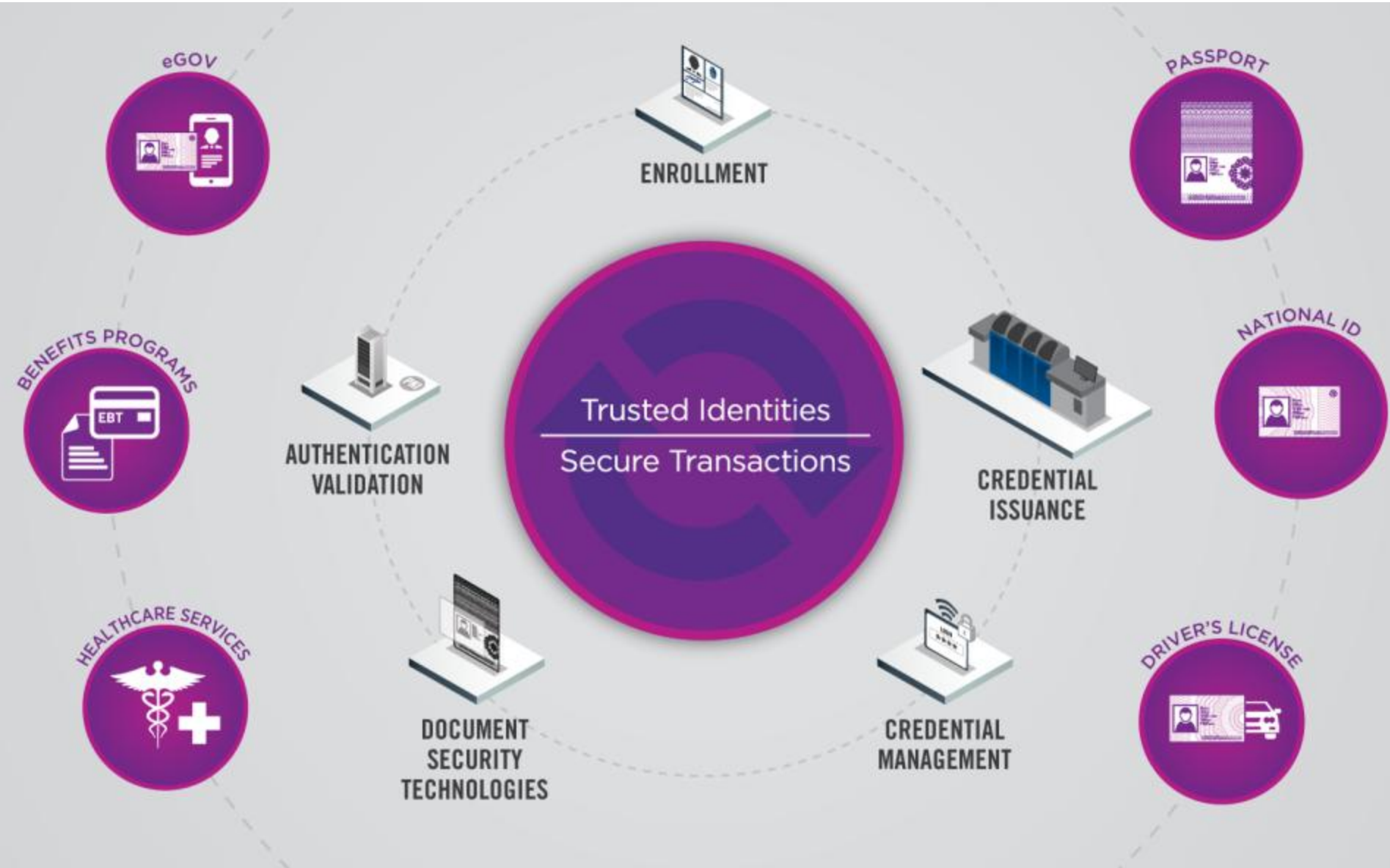
DOCUMENT VALIDATION

SECURE TRANSACTIONS

eVALIDATION

We enable access to services and resources

ENTRUST DATACARD CITIZEN SOLUTIONS



TRUSTED SOLUTIONS WORLDWIDE



▶ 400+ Government Identity Programs

▶ 30K+ passports issued daily

▶ 18 of top 20 e-gov programs

▶ 10M credentials and 5M smart cards issued daily

Thank You

wayne.fletcher@entrustdatacard.com