4th Annual Conference – Abuja, April 2018

Presentation by Iris Smart Technologies Limited
Content

1. Introduction: Iris Smart Technologies Limited
2. The Nigerian Passport Solution
   - Pre 2007
   - 2007 – 2017
   - Post 2017
ISTL Milestones

**Late 80’s/Early 90’s**
1st ‘real time’ on-line and one-branch banking solution in Nigeria

**2003 National Elections**
Produced largest biometric voter’s register in Africa. Approx. 69 million applications

**2005-2007**
Registration of FG Employees for National Health Insurance Scheme

**2007-to date**
Signed PPP agreement with FG to implement end-to-end passport solution
The last decade of the Nigerian passports history
Pre 2007

- Decentralised operation with no central control and central database
- Multiple identities/issuance
- Human intervention
- No means of verification
Though MRP booklet was ICAO compliant
Production by several suppliers
  - Lack of consistency in colour and quality control
  - Duplicate booklet numbering
No booklet control
Bio and visa pages susceptible to manipulation
Passport booklets had little international credibility
In 2003 Iris Smart Technologies Limited signed an agreement with the Nigerian Government for a solution providing:

- A new issuance processes with central control
- New identity management considerations
- ePassport with ICAO compliant chip that stores holders’ biometrics (face and fingerprints) and bio data.
- Chip enables passport booklet validation and verification of the holder
- Financing
• Decentralised acquisition & personalisation
• Centralised system including:
  • Database
  • Identity management
  • Approval (AFIS)
  • Deduplicating (AFIS)
  • PKI
  • Inventory control
  • Verification
  • VPN/VSAT/Telcos
System Architecture

Central Servers: Key/SAM/Web/AFIS/Data

Work Stations

Firewall

Auto-Gate Controller

Auto Gates

Data Capture
Issuer
Payment
Reporting

Branch: Front Office

Branch: Back Office

Quality Control

WIP Database

Chip Perso
Surface Perso
Printer
Laminator

Central Host

Foreign Missions

VPN/Internet

Port of Entry
Post 2007

- ICAO compliant epassport booklet, with compliance with basic and some optional features

<table>
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<tr>
<th>Feature</th>
<th>Post 2017</th>
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<tr>
<td>ICAO Specification (Basic Features)</td>
<td>Current Booklet</td>
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<tr>
<td>Security Paper</td>
<td>Compliant</td>
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<td>Security Printing</td>
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<td>Numbering</td>
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<td>Personalization</td>
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<td>Whole Page Substitution</td>
<td>Compliant</td>
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Status today:
- ePassport that is ICAO compliant
- Secure issuance processes and systems with traceability and accountability
- Identity deduplication using AFIS
- Financial success for the Nigeria Government
- An average of 1.2 million booklets issued annually
- Over 9 million booklets issued to date
• Continuous reviews and upgrades against fraud and cyber crime
• Harmonisation with NIMC to keep improving identity management
• Full 4-4-2 fingerprint implementation
• Increased footprint;
• 42 local and 41 foreign branches
• Migrate to SAC
Thank You