Theme: Identity Ecosystem For Service Delivery

Digital Identity: The Cornerstone to Effective Service Delivery

by

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OUTLINE

1. Nigeria Identity Landscape
2. Reinventing ID Ecosystem
3. Project Approach & Design
4. Strategic Partnerships with Stakeholders
5. Digital ID: Cornerstone for Service Delivery
6. Status of Ecosystem Implementation
7. Conclusion
8. Key NIMS Vendors
Nigeria Identity Landscape
Nigeria at a Glance …

- Most Populous African Nation – 187 million
- Most Diverse - > 250 languages
- Blessed with Human and Natural Resources
- 6 Zones and 36 States and Federal Capital
- 774 Local Government Areas (LGAs)
# Current ID Landscape

<table>
<thead>
<tr>
<th>Levels of Harmonization</th>
<th>Centralized Approach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Law</td>
<td>One Law defines ID</td>
</tr>
<tr>
<td>Institution</td>
<td>One agency offers all unique ID functions</td>
</tr>
<tr>
<td>Data</td>
<td>One Agency Stores all unique ID Data</td>
</tr>
<tr>
<td>Systems</td>
<td>One Agency Has a foundational ID Registry</td>
</tr>
<tr>
<td>Integration</td>
<td>Data and Systems under one agency</td>
</tr>
<tr>
<td>Physical Location</td>
<td>Data and Systems in one physical Location</td>
</tr>
</tbody>
</table>
## Future ID Landscape

<table>
<thead>
<tr>
<th>Levels of Harmonization</th>
<th>Federated Approach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Law</td>
<td>Laws related to ID are harmonized</td>
</tr>
<tr>
<td>Institution</td>
<td>Multiple Agencies Share ID Functions</td>
</tr>
<tr>
<td>Data</td>
<td>Multiple agencies store ID data, with one agency storing data for unique IDs, and other agencies storing demographic data for use-specific functional ID</td>
</tr>
<tr>
<td>Systems</td>
<td>Multiple agencies have ID registries, with one agency having a registry of unique IDs, and other agencies having registries of use-specific functional IDs</td>
</tr>
<tr>
<td>Integration</td>
<td>Integration is based on linkages of all ID systems using the unique ID(NIN) as index</td>
</tr>
<tr>
<td>Physical Location</td>
<td>Multiple agencies keep data and systems in respective physical locations</td>
</tr>
</tbody>
</table>
Reinventing ID Ecosystem
Strategic Roadmap Vision: To reach universal coverage of Robust Digital Identification in Nigeria

A lifelong ID for all every individual physically present in Nigeria and Nigerians abroad

FEC endorsement September 2018

System Design Vision

Digital: National Identity Number (NIN)
Unique: Using biometrics
Minimalist: 8-10 data fields
Foundational: Verified across ministries for access to services
Civic Registration Linkages: Birth & death registration
Technology neutral: To avoid vendor lock-in
Trustworthy: Built with legal, technical, & security safeguards to ensure data protection & privacy

Rolled Out Using An Ecosystem Approach
Federal Government-led initiative to collect biometric data nationwide in one go;

Coordinated effort to avoid duplicating data collection at high cost and time;

Leverage existing ecosystem of Government agencies (including Federal, State & LGAs) and Private sector;

NIMC facilitates collecting identity data (biometric & demographic data)

Partners collect data and are paid per successful enrolment;

NIMC stores data and uses to offer a Unique ID.

The ecosystem approach of enrollment will constitute trusted partners, and a pay-per-play model for successful enrollments:
The purpose of the ecosystem approach is to leverage existing capabilities & enrollment facilities of government agencies, partners and private sectors in Nigeria, as opposed to building new ones.
Ecosystem Stakeholders

**Ecosystem Approach**

- Government-led initiative to collect biometric data nationwide in one go.
- Coordinated effort to avoid duplicating data collection at high cost and time.
- Leverage existing ecosystem of government agencies and private sector.
- NIMC facilitates collecting biometric data.
- Partners collect data and are paid per successful enrollment.
- NIMC stores data and uses to offer a unique ID.
Ecosystem Approach: leveraging the capacity of all ID stakeholders in the ecosystem to reach full coverage

NIMC

✓ Stores core data for Unique ID
✓ Sets data standards and certifies field operators
✓ Regulation of ID Ecosystem

Enrollment Ecosystem

NIMC
NPopC
Federal Agencies
State Agencies
Local Government
Private Sector
Civil Society

Provide individuals’ enrollment data
Provides & Authenticates NIN

Provide services to individuals based on
Enrolment Target

• Children
• Adults
• Diaspora
• Foreign legal residents
• Refugees
• Internally displaced persons (IDPs) and;
• Undocumented people

ID to all Nigerians in 3-5 years
Benefits of the Ecosystem Approach

a) Scale up Enrolment
b) Extent Coverage nationwide
c) Reduce cost in data collection
d) Speed-up delivery
e) Provide Digital verification of ID anytime and anywhere in Nigeria

A well-developed digital identification program will help deliver the FGN’s development agenda, and provide for key government services, such as safety net, financial inclusion, security and agriculture.
### 6.7 Strategic Options at a Glance

<table>
<thead>
<tr>
<th>Assumptions</th>
<th>Scenario #1</th>
<th>Scenario #2</th>
<th>Scenario #3</th>
<th>Scenario #4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time for scale up</td>
<td>3 years</td>
<td>3 years</td>
<td>3 years</td>
<td>3 years</td>
</tr>
<tr>
<td>Time after scale up</td>
<td>2 years</td>
<td>2 years</td>
<td>2 years</td>
<td>2 years</td>
</tr>
<tr>
<td>Demographic data collected per person</td>
<td>70+ fields</td>
<td>20 fields</td>
<td>20 fields</td>
<td>10 fields</td>
</tr>
<tr>
<td>Biometrics collected per person</td>
<td>Photo</td>
<td>Photo</td>
<td>Photo</td>
<td>Photo</td>
</tr>
<tr>
<td></td>
<td>Fingerprint</td>
<td>Fingerprint</td>
<td>Fingerprint</td>
<td>Fingerprint</td>
</tr>
<tr>
<td></td>
<td>iris</td>
<td>iris</td>
<td>iris</td>
<td>iris</td>
</tr>
<tr>
<td>Enrolment Approach</td>
<td>One Agency</td>
<td>Ecosystem</td>
<td>Ecosystem</td>
<td>Ecosystem</td>
</tr>
<tr>
<td>Type of Credential offered</td>
<td>Digital ID</td>
<td>Digital ID</td>
<td>Digital ID</td>
<td>Digital ID</td>
</tr>
<tr>
<td></td>
<td>Smartcard</td>
<td>Smartcard</td>
<td>Simple card</td>
<td>Simple card</td>
</tr>
<tr>
<td>Digital verification of IDs</td>
<td>Anytime</td>
<td>Anytime</td>
<td>Anytime</td>
<td>Anytime</td>
</tr>
<tr>
<td></td>
<td>Anywhere</td>
<td>Anywhere</td>
<td>Anywhere</td>
<td>Anywhere</td>
</tr>
</tbody>
</table>

**Scenario 4 was endorsed by Stakeholders and approved by FEC for implementation**
### Areas of Focus for Building a Sustainable Digital Infrastructure

- Supporting usage of digital ID by building linkages between NIN and additional key services
- Ensuring Cybersecurity of the Ecosystem
- Strengthening the infrastructure for e-government and digital signature
- Reinforcing the Civil Registration System (increasing number of registration centres, including in consulates)
- Linking Civil registration with National identification through provision of NIN at birth
Project Approach & Design
**Planned activities: Project Components**

**Strengthening the Legal & Regulatory Framework**

Enabling **national policy**, and **legal frameworks**, and **capacity building** to support digital, unique, and foundational identification; data protection and privacy

**Building a Robust Foundational System**

*Scaling up enrollment in ID*

Includes establishing a central **digital identification system** and supporting IT systems; **enrolling residents** and **Nigerians abroad** and distributing a basic credential; bolstering **civil registration** systems; strengthening **cybersecurity** across the ecosystem; conducting a supporting **communications campaign** and ensuring stakeholder engagement & grievance redress

**Ensuring Access to Services**

Support **linkages** with certain key ‘quick win’ **public and private services** and the foundational ID system to ensure the identification system enables access and inclusion
## Project Approach:

### Phased Approach: 2 Phases

**Timeline:** 3-5 Years

<table>
<thead>
<tr>
<th>Phase I</th>
<th>Phase II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commence Enrollment of entire population</td>
<td>Enable capture of new births and deaths (full integration with Population Commission)</td>
</tr>
<tr>
<td>“Initial snapshot of the population”</td>
<td>Cement sustainable permanent continuous mechanisms for issuing NINs</td>
</tr>
<tr>
<td>Build the identity ecosystem</td>
<td>Data updates of existing records</td>
</tr>
<tr>
<td>Establish trust in NIMC’s core service offerings</td>
<td>Capture of biometric data for those issued NIN at birth</td>
</tr>
<tr>
<td>Begin building capacity for Phase II</td>
<td>Continued evolution of the identity ecosystem (enable a digital economy)</td>
</tr>
<tr>
<td>Establish Linkage to civil registration</td>
<td></td>
</tr>
</tbody>
</table>
6.13 Approach to the Ecosystem Implementation

**Bottom up**
Grassroots, LGAs, cities, state capitals

**Clusters/groups**
Schools, churches, mosques, markets, hospitals

**Geographic / Demographic Locations**
High activity areas, high population density, low income

**Partnerships**
States, Govt agencies, private firms including SMEs, SUCs, CSOs etc

**Decentralised enrolment approach**
Strategic Partnerships with Stakeholders
## Roles & Responsibilities of Stakeholder Agencies

### Table 2: Selected Functions of ID Distributed by Government Agencies

<table>
<thead>
<tr>
<th>Services Offered</th>
<th>NPopC</th>
<th>NIMC</th>
<th>CBN</th>
<th>INEC</th>
<th>NCC</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>Register birth</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Issue birth certificate(^{14})</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Regulate data collection for ID(^{15})</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Collect data for unique ID(^{16})</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Store data for unique ID(^{17})</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Issue unique ID number</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Regulate credential offering(^{18})</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Issue payment services</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Issue voter identification</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Issue SIM for mobile phone</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓(^{19})</td>
</tr>
<tr>
<td>Issue passport or citizenship</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Issue driving license</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Issue health insurance</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Issue pension</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Verify unique ID</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Register death</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Investing in People**
- Social inclusion
- Job creation
- Human capital

**Restoring Growth**
- Macroeconomic stability
- Economic diversification

**Global Competitive Economy**
- Infrastructure development
- Business environment
- Digital economy

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**Skilled Workforce**

**Digital Payments**

**Internet**

**Unique Identity**
Digital ID: Cornerstone for Service delivery
Foundational ID Vs. Functional ID

Foundational ID System

- Answers the question
  - “who are You?”

- Unique ID Registry

Functional ID System

- Answers the questions
  - “Are you eligible to benefit from a scheme or access a service?”

- Use Specific ID Registry
Identification can be a technology platform for inclusion, digital governance & Service Delivery

Service Provision using Authenticated NIN

- International Passport by NIS
- Tax Certificate by FIRS
- Drivers License by FRSC
- SIM Registration by NCC
- Voters Card by INEC
- Bank Verification Number by CBN
- Pension Registration by PENCOM etc.,

*Also includes security agencies and other functional registries*
<table>
<thead>
<tr>
<th>Services for which NIN or National ID card must be presented &amp; verified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application for &amp; issuance of passport</td>
</tr>
<tr>
<td>Registration of Voters</td>
</tr>
<tr>
<td>Opening of bank accounts</td>
</tr>
<tr>
<td>All Consumer Credit transactions</td>
</tr>
<tr>
<td>Purchase of Insurance Policies</td>
</tr>
<tr>
<td>Transactions with Social Security Implications</td>
</tr>
<tr>
<td>All land related transactions</td>
</tr>
<tr>
<td>Transactions specified under the contributor Health Insurance scheme</td>
</tr>
<tr>
<td>Payment of Taxes</td>
</tr>
<tr>
<td>Transactions pertaining to Pension</td>
</tr>
<tr>
<td>Admission into Schools</td>
</tr>
<tr>
<td>Relevant Government Services</td>
</tr>
</tbody>
</table>

*****All other transactions NIMC may so prescribe and list in the Federal Govt. of Nigeria Gazette

***** Other forms of Use specific ID documents are still acceptable until such a time the notice to discontinue its acceptance as foundational ID credential is made.
Status of Ecosystem Implementation
Progress Made

✓ Jan. 2015 – Harmonization Committee Reconvened by the Vice President
✓ Jun. 2015 – ID Diagnostic Completed by World Bank
✓ Dec. 2016 - Policy Roundtable Workshop with Stakeholders sponsored by the World Bank
✓ Jun. 2017 – Draft Strategic Roadmap Completed
✓ Feb. 2018 – Harmonization Committee Endorsement Workshop
✓ Sept. 2018 – EMT and Federal Executive Council Approval of the Roadmap
✓ Oct. 2018 – Project Preparation Activities commenced
✓ Feb. 2019 - Advert for Data Capture Licensing published
## Status of Ecosystem Project Implementation

<table>
<thead>
<tr>
<th>Project Preparation Activities</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>i. Legal, Policy &amp; Regulatory Assessment</td>
<td>Completed</td>
</tr>
<tr>
<td>- National Data Protection Bill enacted</td>
<td></td>
</tr>
<tr>
<td>ii. Economic &amp; Social Management Framework Assessment</td>
<td>Completed</td>
</tr>
<tr>
<td>- Report disclosed to the public</td>
<td></td>
</tr>
<tr>
<td>iii. Resettlement Policy Framework Assessment</td>
<td>Completed</td>
</tr>
<tr>
<td>- Report disclosed to the public</td>
<td></td>
</tr>
<tr>
<td>iv. Social Assessment</td>
<td>Completed</td>
</tr>
<tr>
<td>v. Cybersecurity Assessment</td>
<td>Ongoing</td>
</tr>
<tr>
<td>vi. Set up of Project Implementation Unit (PIU)</td>
<td>Done</td>
</tr>
<tr>
<td>vii. Licensing process for the ecosystem partners ongoing</td>
<td>Commenced</td>
</tr>
<tr>
<td>viii. Diaspora Enrolment</td>
<td>Launched</td>
</tr>
<tr>
<td>ix. Stakeholder Engagements</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>
Proving “who is who” is critical to accessing services physically and electronically; as well as in identifying the targeted beneficiaries of a programme/project/scheme.

There is a strong correlation between Identification and service delivery and this is central in effective delivery of important services to the people.

All modern economic services are done digitally and rely on good identification in order to promote economic growth and opportunities.

For Nigeria to enhance governance, help its people rise out of poverty, restore growth and participate in the digital economy, we need a unique digital identification platform that is linked to functional ID registries for accessing services.
6. KEY NIMS VENDORS

Local Content...

Front end

ByteWorks
BioSec Solutions
omatek
seamfix

Others

DigitalJewels
nccgroup
neurotechnology

Back end

Jetlink Limited
Dataflex
Integral Solutions
ARCA

Payment

Telnet
interswitch
access

Others

Unified Payments
Verve
MasterCard
VISA

Global Solutions...

Backend

NADRA
Aware
Oracle

Cards

Datacard Group
NXP
TRUB
SPS
AustriaCard

cryptoVision

Others

HJ Consulting
Electronic PayPlus
Thanks for listening and God bless you

www.nimc.gov.ng
National Identity Management Commission