GHANA'S DIGITAL SPACE
Building a Digital Ghana requires a comprehensive framework that encompasses various aspects of technology adoption, infrastructure development, education, and policy implementation. Ghana adopted this framework to guide the process.
Policy and Strategy

- Ghana adopted the ICT for Accelerated Development (ICT4AD) Policy in 2003 which kicked started the Ghana’s effort to employ the use of ICT to accelerate the development of the country.

- This was the first ICT Policy for Ghana. Now its Tenure has ended.

- The Ministry of Communications is now at the final stages of finalizing and adopting our next policy document for the next decade.

DIGITAL ECONOMY POLICY
Connectivity

Government Connectivity Initiatives

- Eastern Corridor Fibre Infrastructure - NITA
- GIFEC Rural Telephony Connectivity Project
- ECG Fibre Infrastructure
- GridCo Fibre Infrastructure

Private Sector Fibre Optic Infrastructure

- MTN
- Vodafone Fibre Network
- AT Fibre Network
- Vobis
- Google
- Comsys

Submarine Cables in Ghana

Currently, Ghana has five (5) Submarine Cable Providers; SAT-3, MainOne, WASC, Glo and ACE
ID INFRASTRUCTURE

• Persons ID by NIA
• Entity and Company ID by RGD now RoC

PAYMENT INFRASTRUCTURE

• Interoperability Framework
• And the Banking Switch System
Currently have five private commercial Data Centers in Ghana
- PAIX,
- ONIX
- MainOne
- Rack Africa
- IS GH Data Center

Ghana is proud of the National data center in Accra with a Disaster Recovery (DR) site in Kumasi.

- Government Private Cloud (G-Cloud)
- NITA-Smart Africa Sponsored Cloud
Data Governance

- Data cataloging
- Data classification
- Auditing data entitlements and access
- Data discovery
- Data sharing and collaboration
- Data lineage
- Data security
- Data quality
LEGAL FRAMEWORK

- LAWS
- INSTITUTIONS
- REGULATIONS
- STANDARDS
- GUIDELINES
NITA – THE ICT REGULATOR

• NITA was established in 2008 by an Act of Parliament

• NITA is anchored by two main Legislation
  • NITA Act (Act 771)
  • Electronic Transaction Act (Act 772)
NITA’s MANDATE

REGULATOR
- Regulate the ICT Space in Ghana
- Consumer protection within the ICT space in Ghana
- Setup and enforce standards across the public sector
- Periodic audit of IT systems within the public sector
- Registration and certification of players within the ICT space

CTO
- Lead the national digitalization efforts
- Provide technical advisory and support for IT projects across the public sector
- Align technology projects to the digitalization vision and framework
- Implement the policies churned out by government with respect to ICT
IDENTIFIED REGULATORY VERTICALS

- ICT Vendors
- ICT Professionals
- Commercial data centers
- Commercial Cloud
- Public Sector IT
- e-Commerce
- PUBLIC KEY INFRASTRUCTURE
PKI ROADMAP

Anchor Act

Electronic Transaction Act (Act 772)
Licensing of CAs
Regulations for PKI
PKI Use Cases and Applications
Capacity Building
SOME STATISTICS
Index Score by GSA Index Report

Ghana
INDEX SCORE 51.4

Key Metrics

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Population (millions)</td>
<td>32.73</td>
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<tr>
<td>GNI per capita ($PPP)</td>
<td>5,820</td>
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<tr>
<td>Rural Population (% of total)</td>
<td>42</td>
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<tr>
<td>Mobile Broadband Coverage (% of population)</td>
<td>99</td>
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<tr>
<td>Mobile Connections (% of population)</td>
<td>129</td>
</tr>
<tr>
<td>Mobile Broadband Connections (% of population)</td>
<td>120</td>
</tr>
</tbody>
</table>
Ghana Digital Index Score - GSMA Report

Index Score 2022

51.4

- Infrastructure: 57.9
  - Network Coverage: 89.2
  - Network Performance: 35.5
  - Spectrum: 39.8

- Affordability: 41.0
  - Mobile Data Affordability: 56.1
  - Handset Affordability: 27.5
  - Taxation: 37.7

- Consumer Readiness: 59.9
  - Basic Skills: 62.8
  - Gender Equality: 62.6
  - Mobile Ownership: 54.3

- Content and Services: 49.3
  - Local Relevance: 39.9
  - Online Security: 86.7
NIA DATA ON ENROLLED CITIZENS

Statistics

Weekly Statistics of Enrollments/Updates and Replacement

REGISTRATION STATISTICS - 20th October 2023

CITIZENS ENROLLMENT
TOTAL NEW REGISTRATIONS: 17,651,315
TOTAL CARDS PRINTED: 17,482,915
TOTAL CARDS ISSUED: 16,873,434

NON-CITIZENS ENROLLMENT
TOTAL NEW REGISTRATIONS: 181,727

UPDATE & REPLACEMENT
TOTAL NUMBER OF RECORDS UPDATED: 95,951
TOTAL NUMBER OF CARDS REPLACED: 310,077
Momo Verses Traditional Banking Transaction

1. Traditional Banking Statistics:

2. Momo Transaction: According to data from the Bank of Ghana. Mobile money transactions in Ghana totaled GH¢ 550.4 billion in the first four months of 2023. This is an increase of 66.2% from the GH¢ 331.2 billion recorded during the same period in 2022.

Data from the Bank of Ghana has revealed that mobile money transaction-growth continues to be a dominant force in the financial sector, growing at double the rate compared to bank transactions – a further testimony that it holds the key to financial inclusion in the country.
Total Mobile Money transactions hit ₦1.190trn in eight months of 2023 – BoG
Thank You