



MINISTRY OF COMMUNICATIONS AND DIGITALISATION
GOVERNMENT OF GHANA



NITA
National Information Technology Agency
G H A N A

GHANA'S DIGITAL SPACE

Background

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.



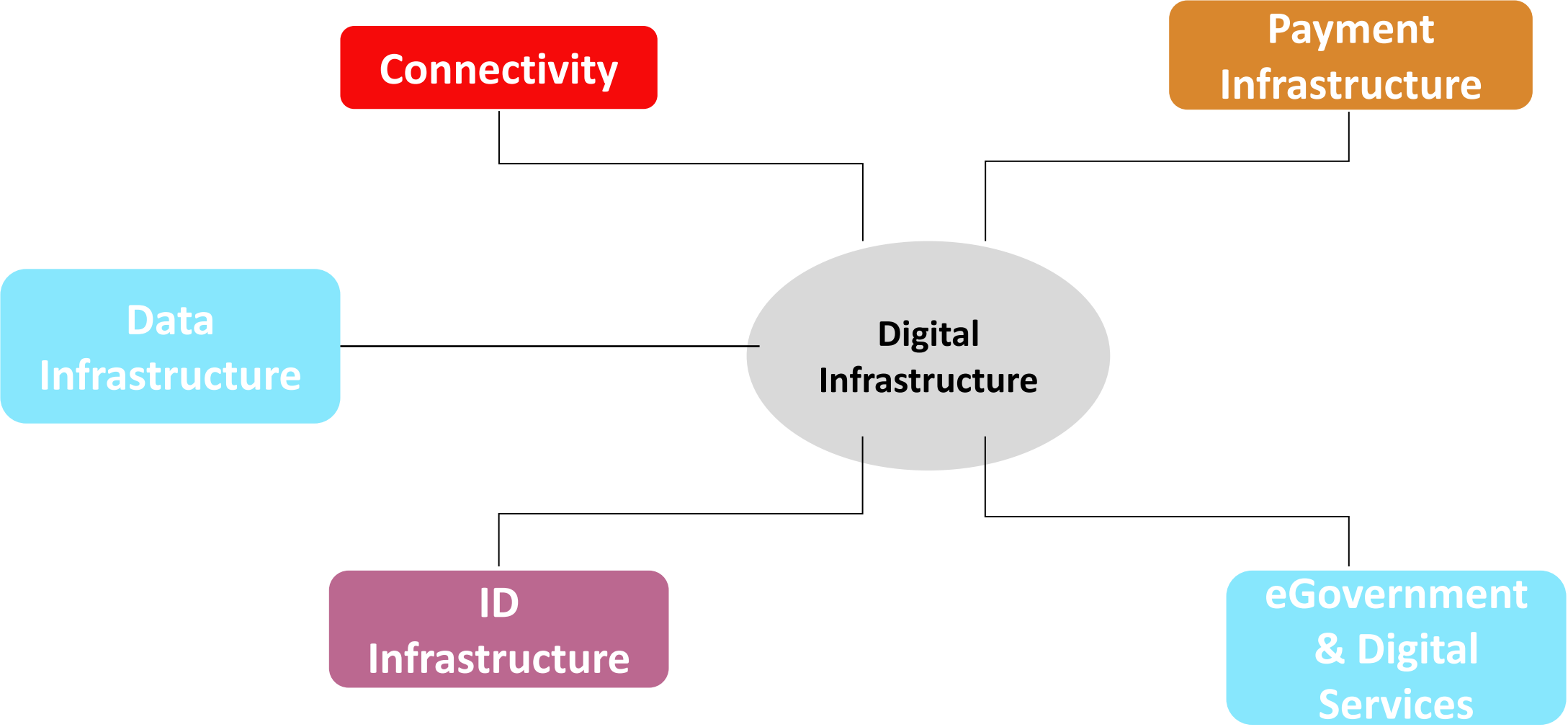
Policy and Strategy



- 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

Ghana's Digital Infrastructure



Connectivity

Government Connectivity Initiatives



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

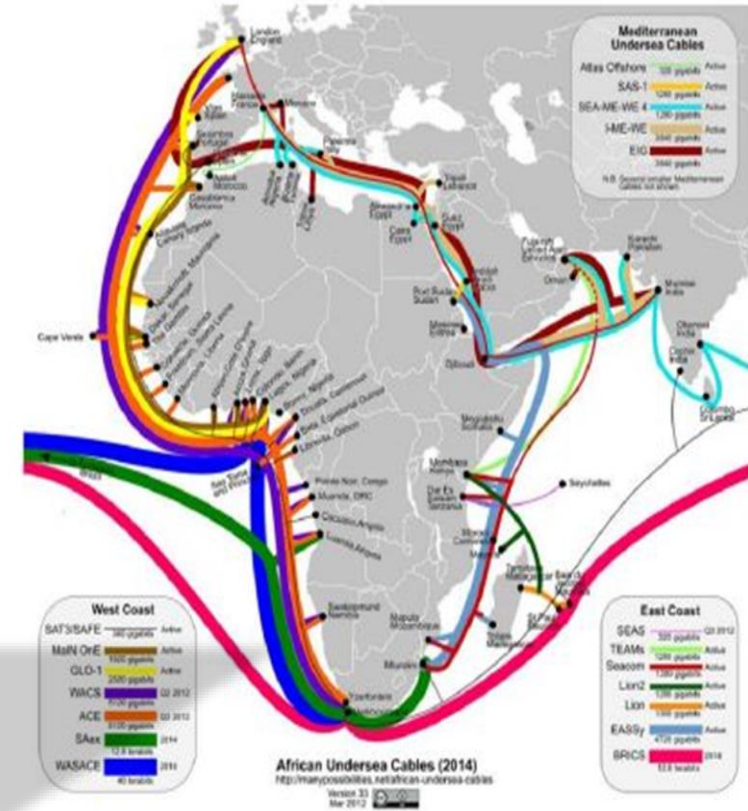
Private Sector Fibre Optic Infrastructure



- 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

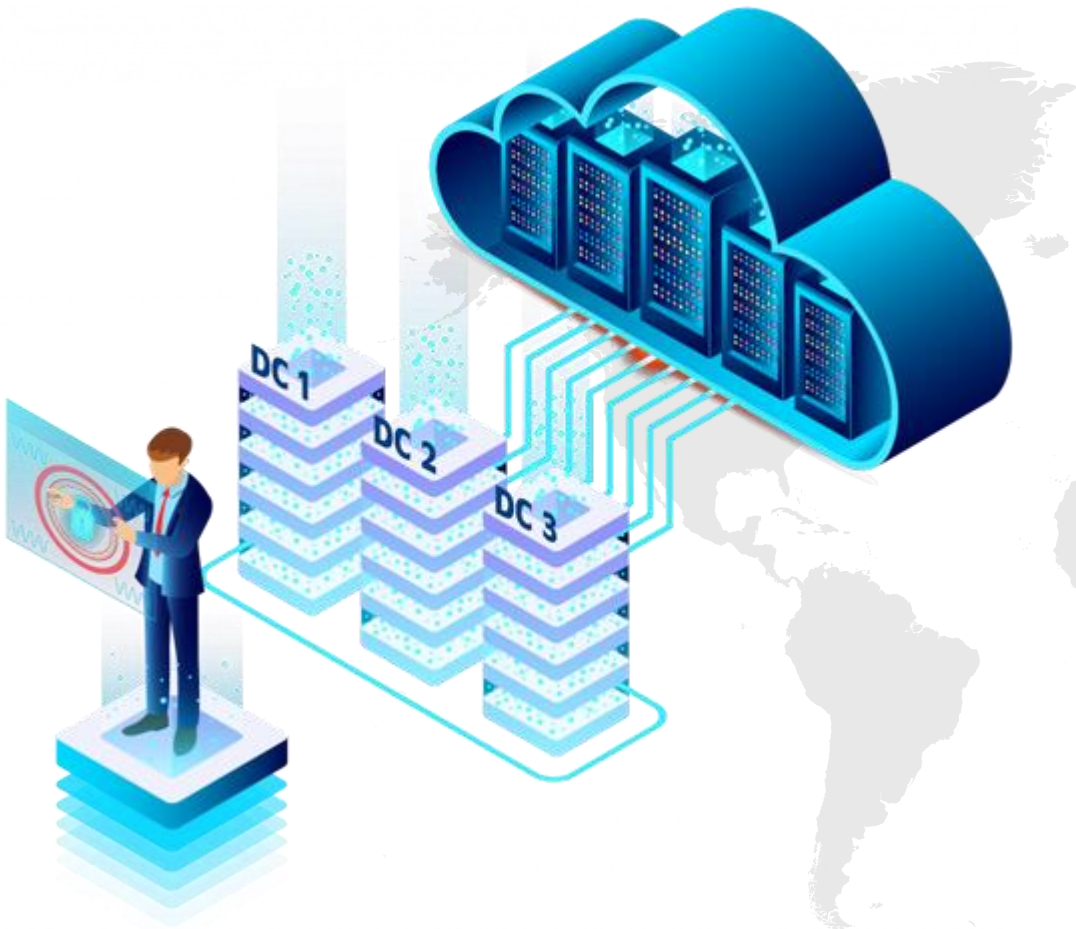


PAYMENT INFRASTRUCTURE

- Interoperability Framework
- And the Banking Switch System

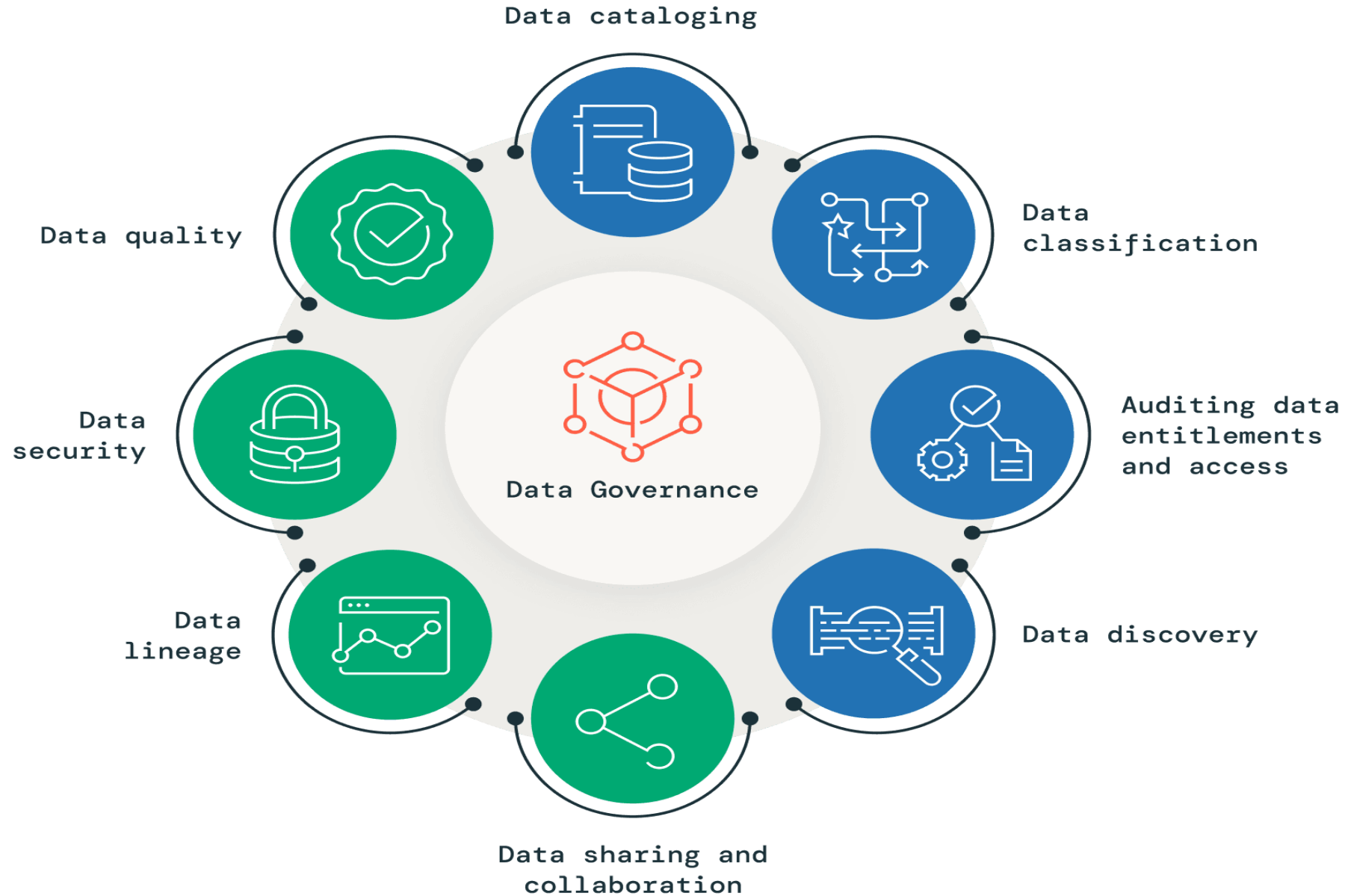


Data Infrastructure

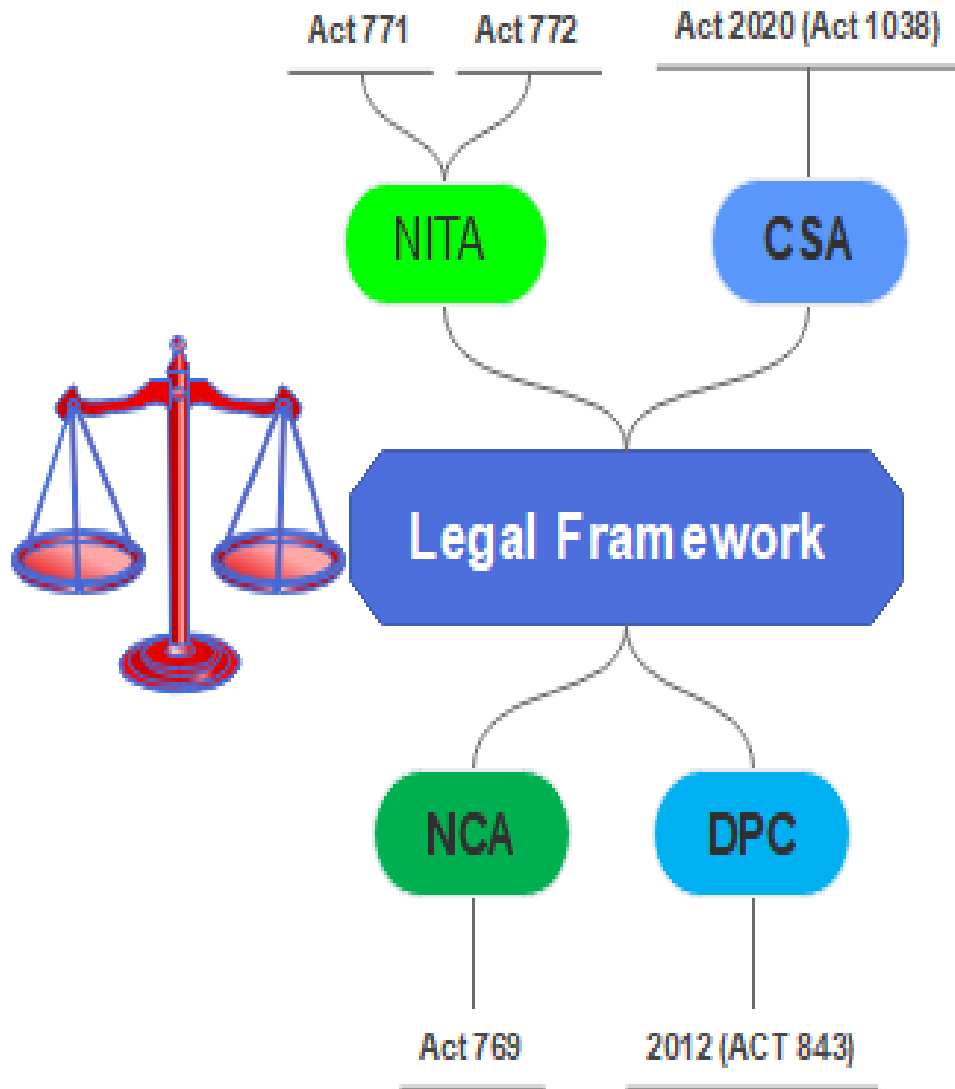


- Currently have five private commercial Data Centers in Ghana
 - PAIX,
 - ONIX
 - MainOne
 - Rack Africa
 - IS GH Data Center
- Ghana is proud of the National data center in Accra with a Disaster Recovery (DR) site in Kumasi.
- Government Private Cloud (G-Cloud)
- NITA-Smart Africa Sponsored Cloud

Data Governance



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

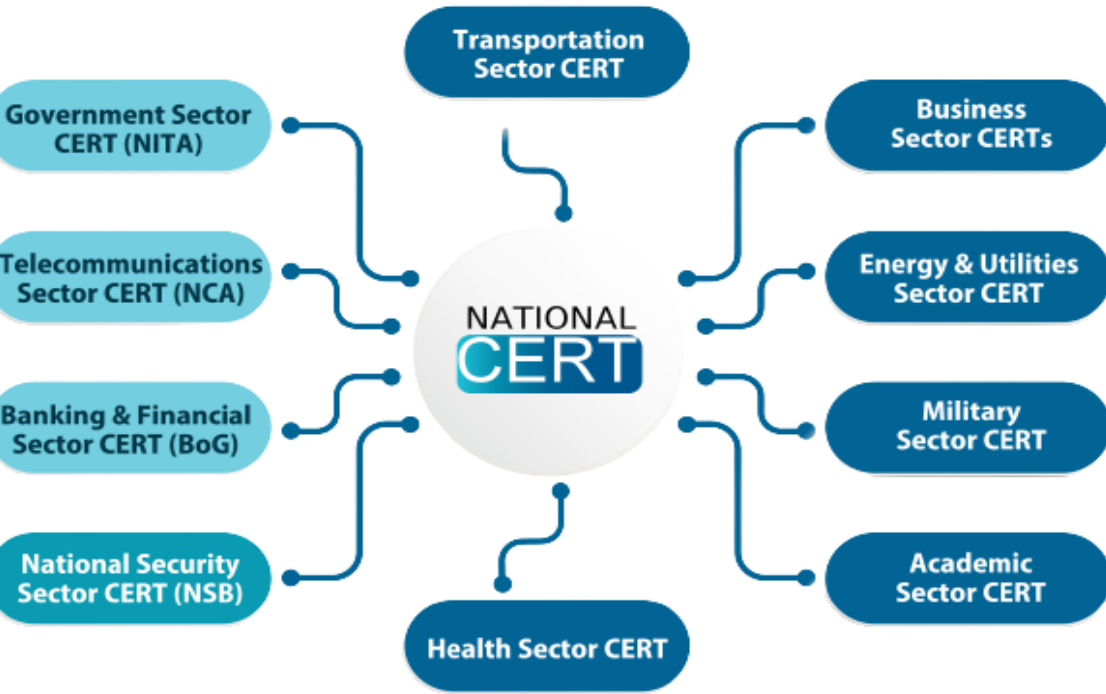
CTO


- 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



SECURITY



 National Security & Intelligence 01

 ICT 02

 Banking & Finance 03

 Energy 04

 Water 05

 Transportation 06


 Health 07

 Emergency Services 08

 Government 09

 Food & Agriculture 10

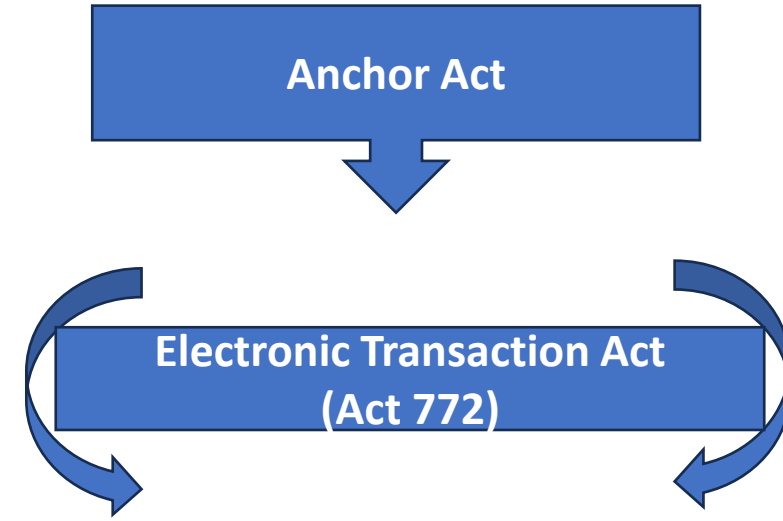
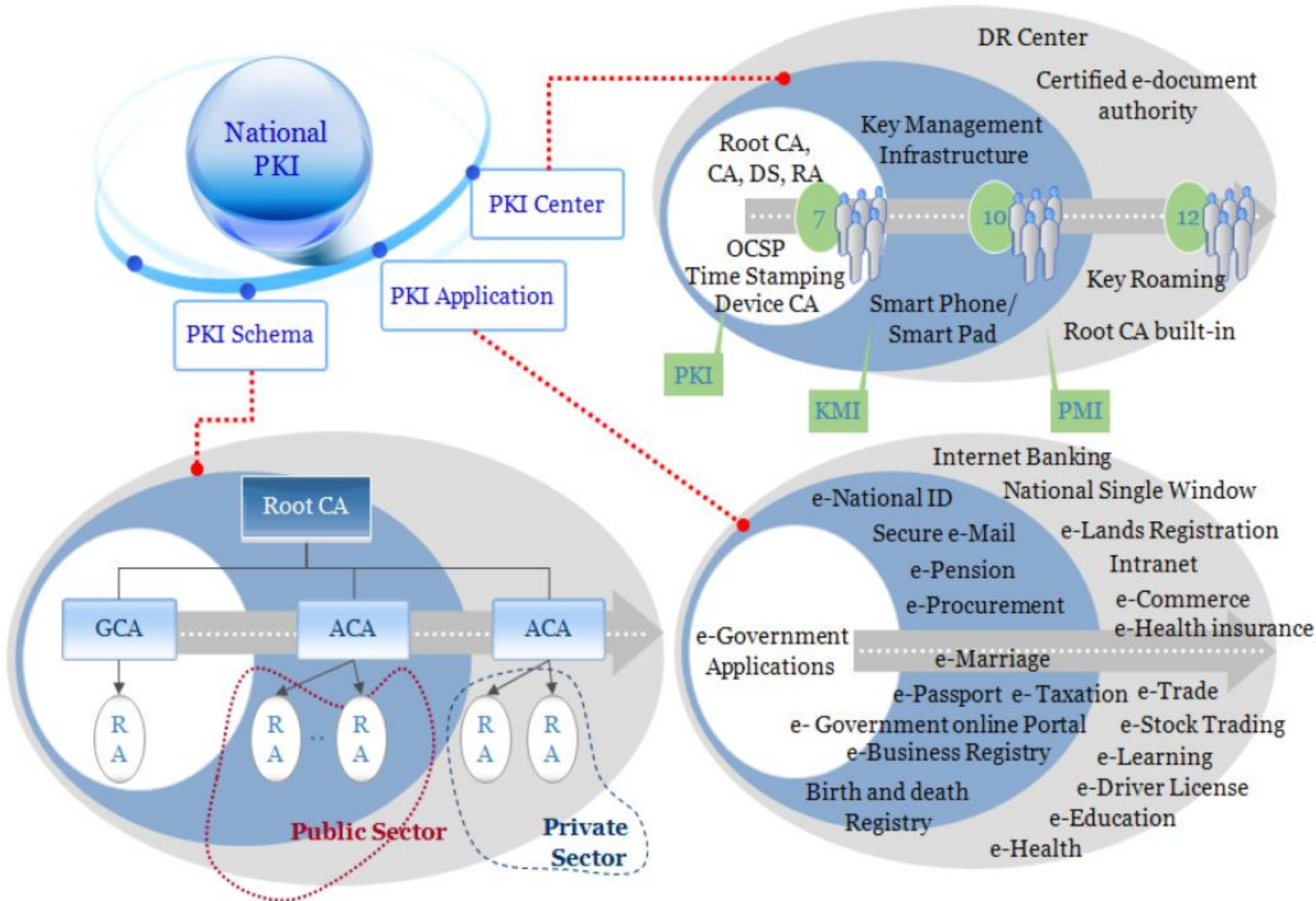
 Manufacturing 11

 Mining 12

 Education 13



PKI ROADMAP



PKI 2024 CALENDER

Licensing of CAs

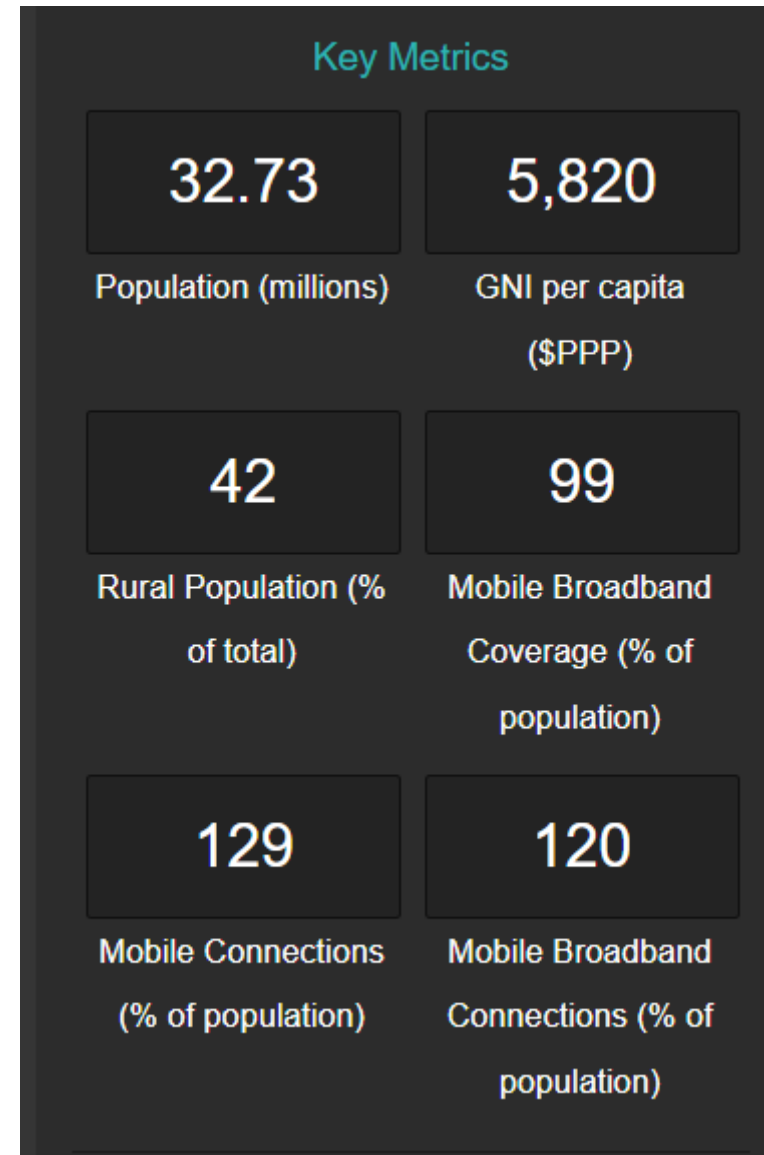
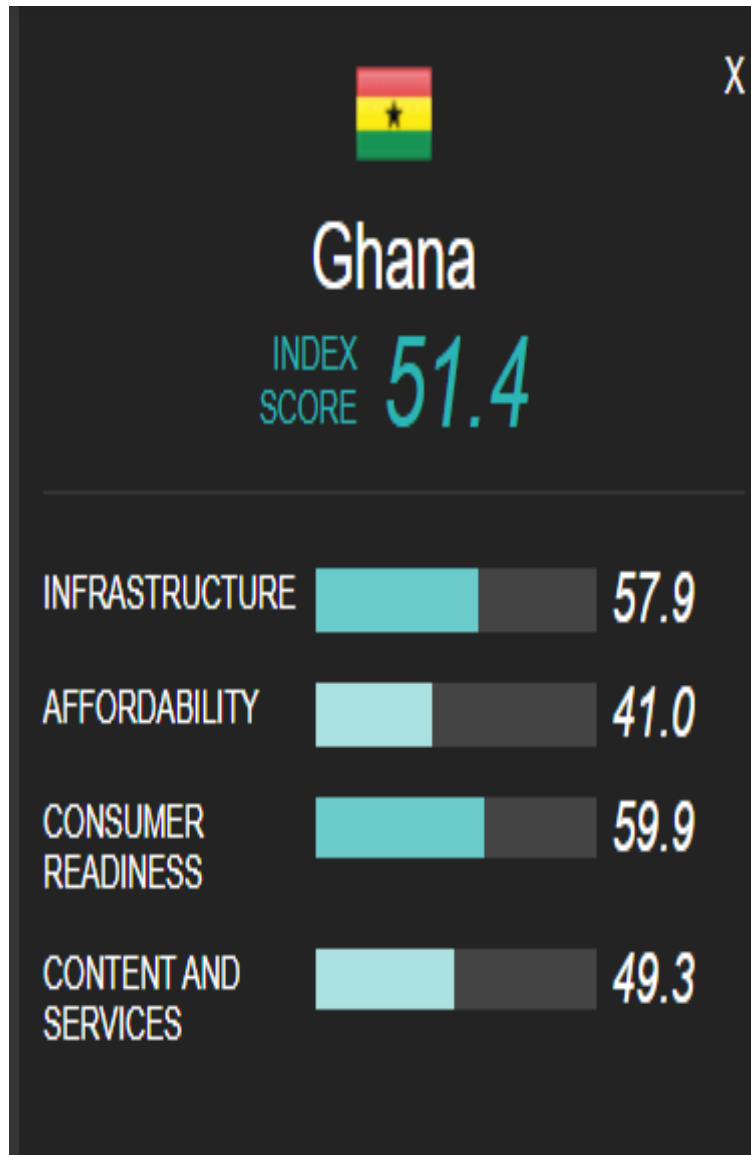
Regulations for PKI

PKI Use Cases and Applications

Capacity Building

SOME STATISTICS

Index Score by GSA Index Report



Ghana Digital Index Score - GSMA Report



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**



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Why you need a Ghana Card

Travel

Your Ghana Card is also an ECOWAS ID Card and can be used to travel within the sub-region as a passport.

Register for your Ghana Card NOW!

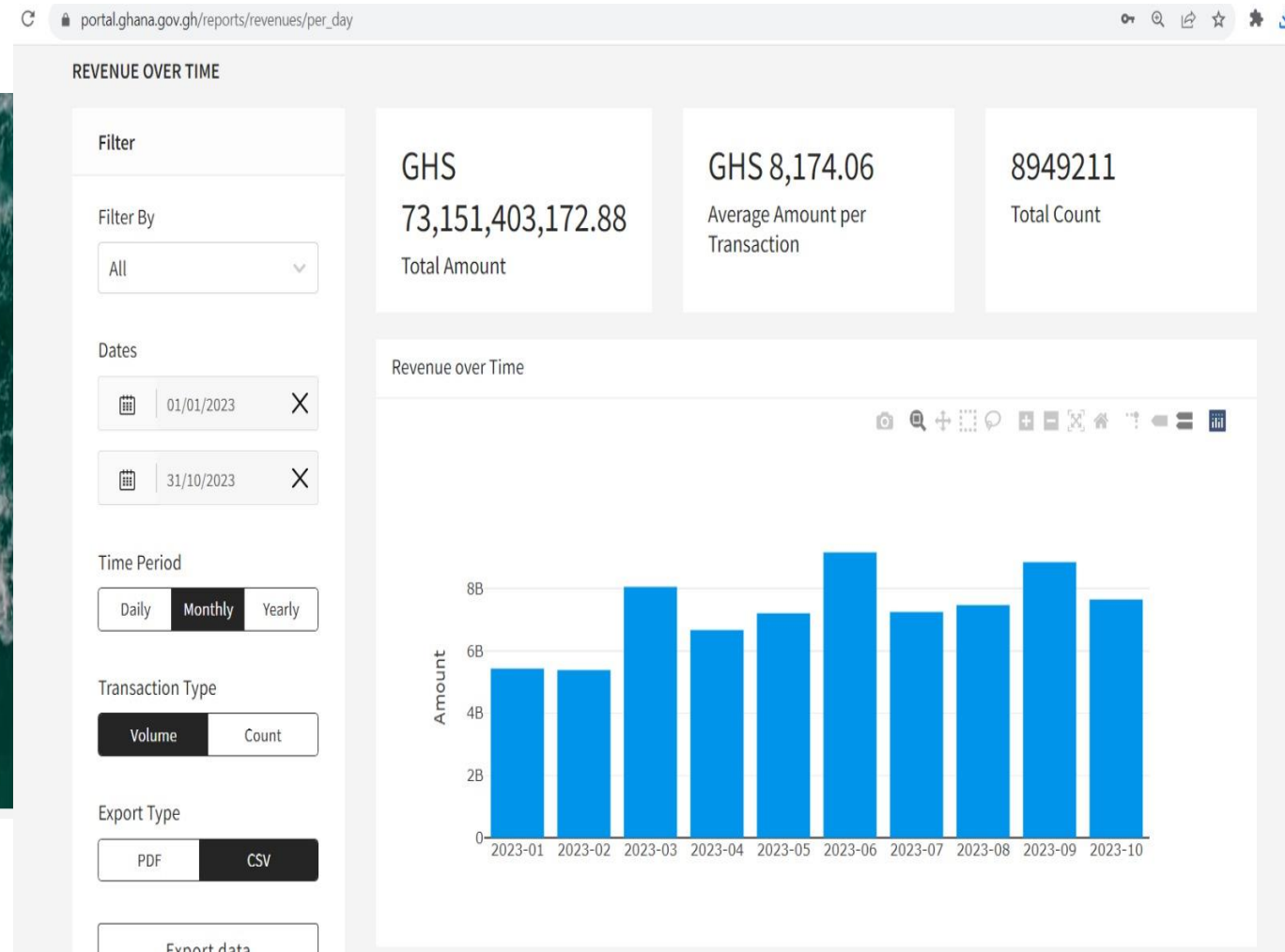
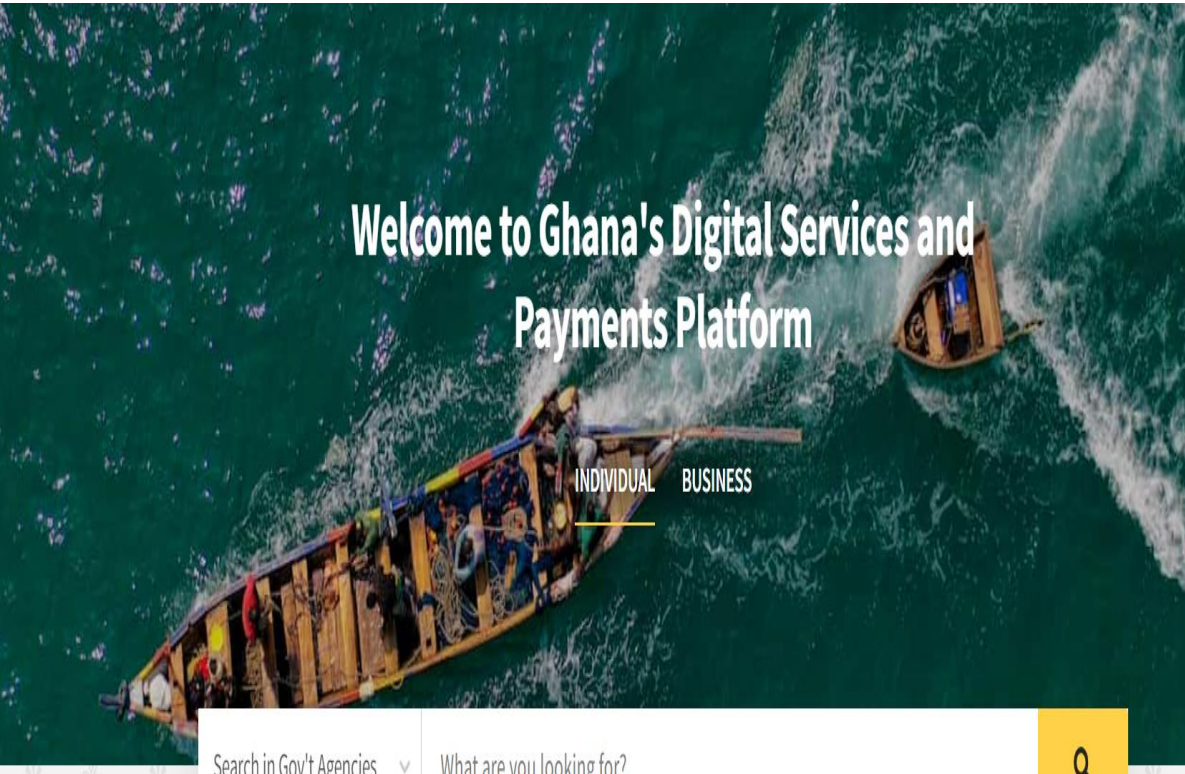
 GOVERNMENT OF GHANA

 NATIONAL IDENTIFICATION AUTHORITY
Providing Positive Solutions Now

 **ims** IDENTITY MANAGEMENT SYSTEMS
A member of the Margina ID Group

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Ghana.gov Statistics



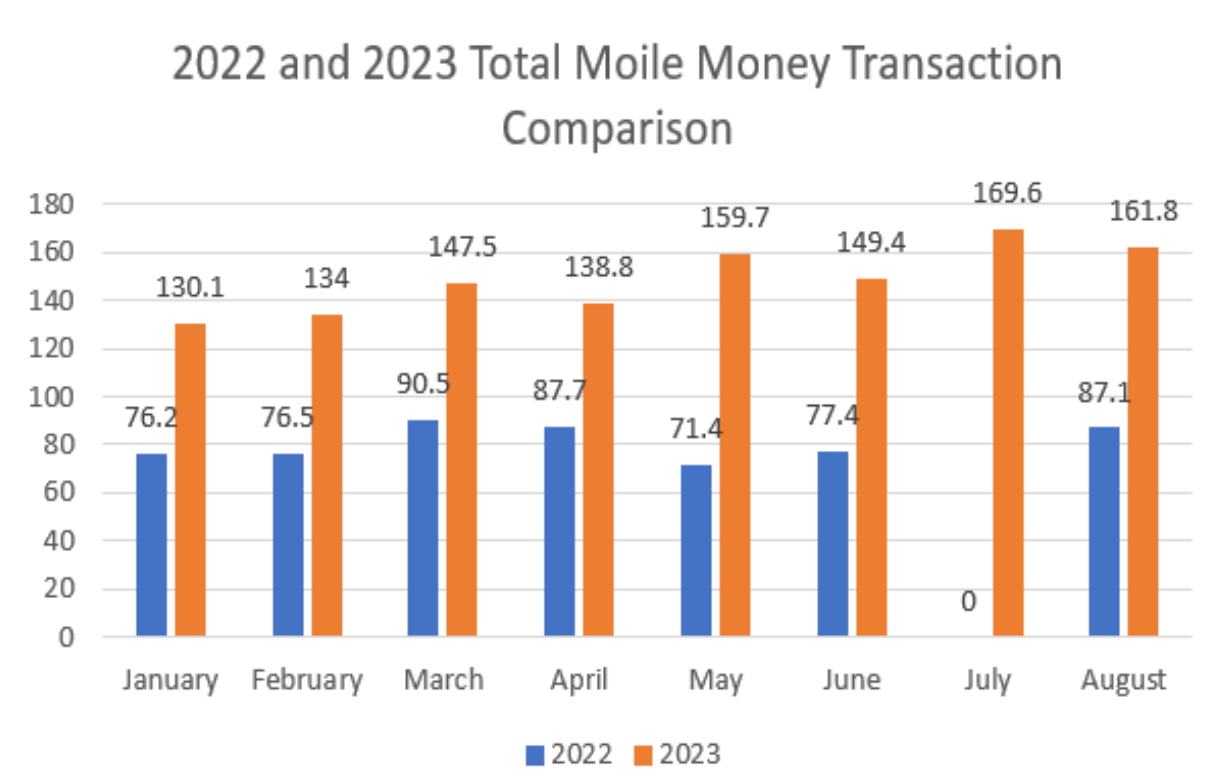
Momo Verses Traditional Banking Transaction

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



Reference (BoG)

Thank You

