

# GovTech Maturity Index 2022: Progress in West and Central Africa Countries

## KEY RECENT ACHIEVEMENTS OF GHANA

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**NITA**  
National Information Technology Agency  
GHANA

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# OUTLINE

Country Overview

Digitalisation Roadmap

ICT organizational Structure

Government's Digitalisation Agenda

Infrastructure and Services

GovTech Maturity Index 2022: Key Recent Achievements of Ghana



**NITA**  
National Information Technology Agency  
GHANA

# Country Overview

- ❖ Location: West Africa
- ❖ Land Area: 238,535 Square Km
- ❖ Population: 31.7 million
- ❖ Economic: GDP: 3.7%

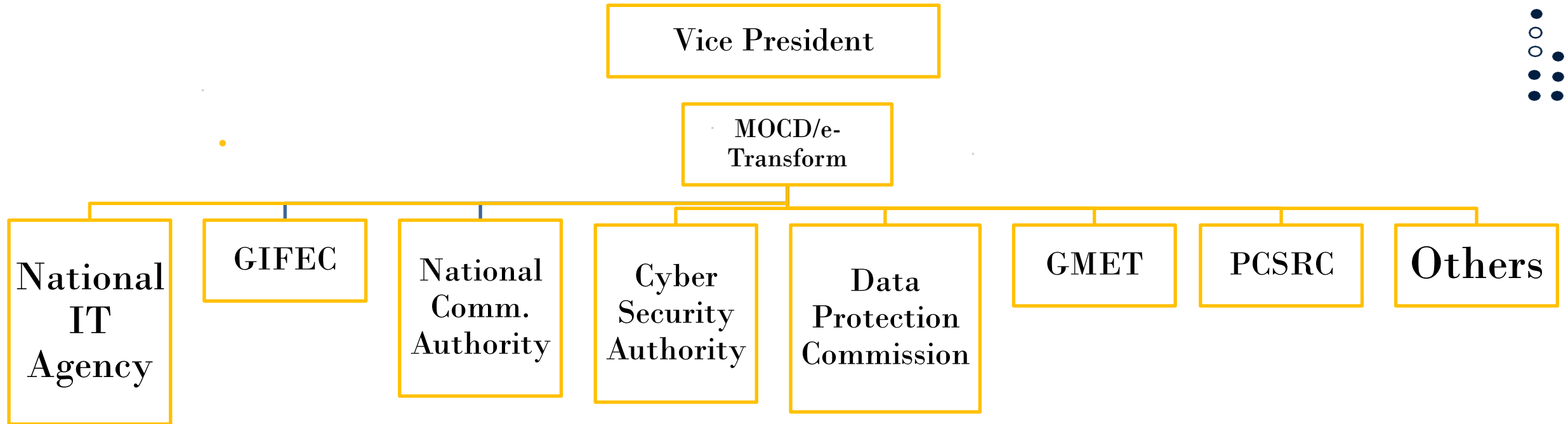


# Evolution of ICT policy in Ghana

1994-2000: Accelerated Development Program	Strategies 2003-2022
<p><b>2003:</b> ICT 4 AD Policy</p> <p>2008: Implementation of Legislative Reforms- Electronic Communications Act, Electronic Transactions Act, National IT Agency Act</p> <p><b>2012:</b> legislative focus shifts beyond infrastructure to data, content and services (Data Protection Act)</p> <p><b>2019/20:</b> Global Trends, maturing digital economy. Payment Systems &amp; Services Act, Cybersecurity Act passed</p>	<p>ICT literacy</p> <p>Deployment &amp; exploitation of ICT within the economy</p> <p>Leverage ICT in education</p> <p>R&amp;D capacity</p> <p>Globally competitive local industry regional destination for ICT FDI</p> <p>Private sector as key driver of development.</p>
<p><b>2021:</b>Fastrack digitalisation</p>	<p><b>Areas of focus:</b></p> <p>Expedite implementation of Government digital initiatives; digitize fiscal revenue collection; expand fibre network backbone; increase digital literacy and online education.</p>

The e-Government initiative comes under the MOCD

## ICT ORGANIZATIONAL STRUCTURE



# Government's Digitalisation Agenda- MDAs/MMDAs

## Ghana Electronic Procurement System (GHANEPS)

The e-Government Procurement (e-GP) in Ghana promotes standardisation in its work and fosters competition, efficiency and transparency in the procurement process while leveraging on Information and Communication Technology.



## Ghana Integrated Financial Management System

- Improving budget comprehensiveness and transparency,
- Consolidated cash management
- Monitoring and control of outstanding commitments, and
- Payroll management.



## Ghana.Gov (MoF, MoCD, local FinTechs ) 2020

GHANA.GOV is rolled out as a digital service and revenue collection platform, created to provide a single point of access to Government of Ghana services for the public sector.



## Ghana Open Data Initiative

Data.gov portal for Government data upload



# Government's Digitalisation Agenda- MDAs/MMDAs

## Enterprise Architecture and e-Government Interoperability Frameworks



Designed to drive principles of shared infrastructure services, service-oriented and event-driven architecture

## Smartworkplace MoCD/ NITA, 2020



A GoG virtual working solution for Ghana's public sector and civil service, which provides a single access point to all resources by interfacing with Ministries, Departments and Agencies (MDAs) and Metropolitan Municipal and District Assemblies (MMDAs).

## Public Key Infrastructure



A secured infrastructure to safeguard critical and sensitive data.

## Digital Addressing System



The GhanaPost GPS is launched as part of the national property addressing system.

# Government's Digitalisation Agenda- MDAs/MMDAs

## Ghana Interbank Payment and Settlement Systems (GhIPSS) 2018

Mobile Money Payments Interoperability is implemented from one mobile money wallet to another across providers.

## Lands Commission 2020

Lands Commission automation to provide online services for land title searches and title transfers. This currently live.



## Ghana Card 2019

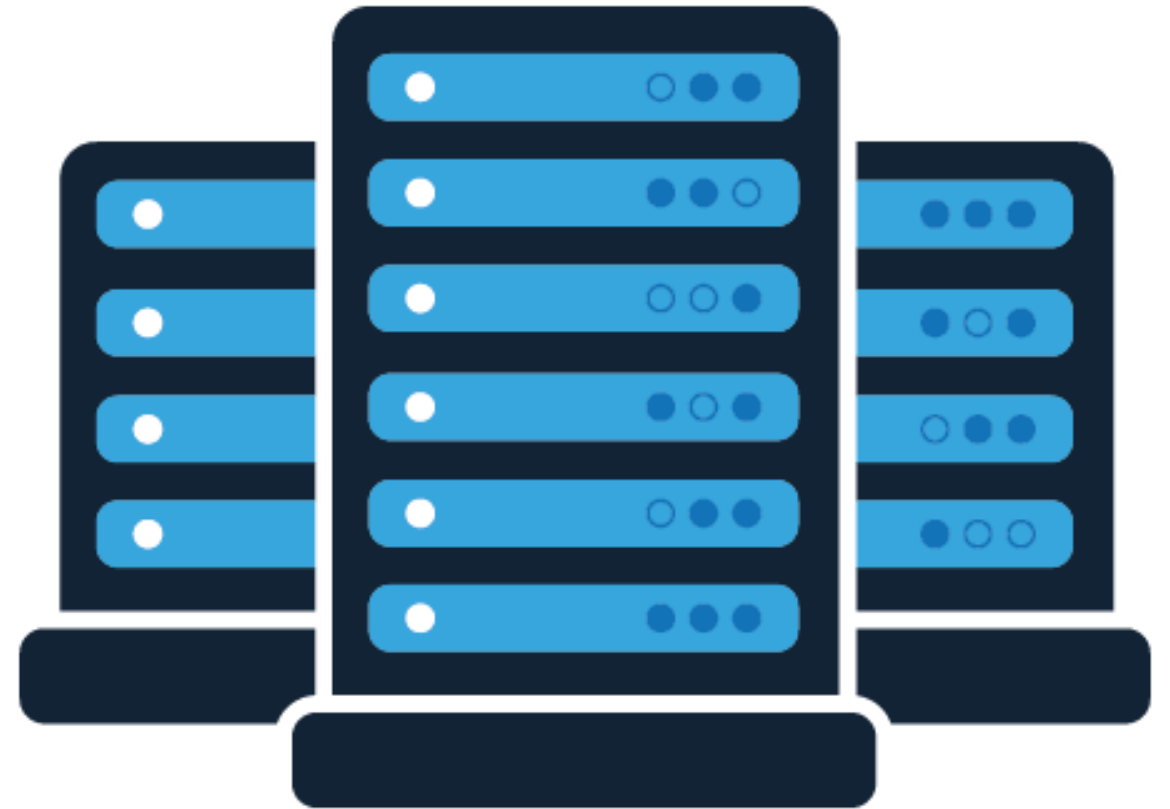
Ghana Card is to provide a complete value added integrated multi-sectoral and multipurpose National Identity System

## Sim Re-Registration 2021

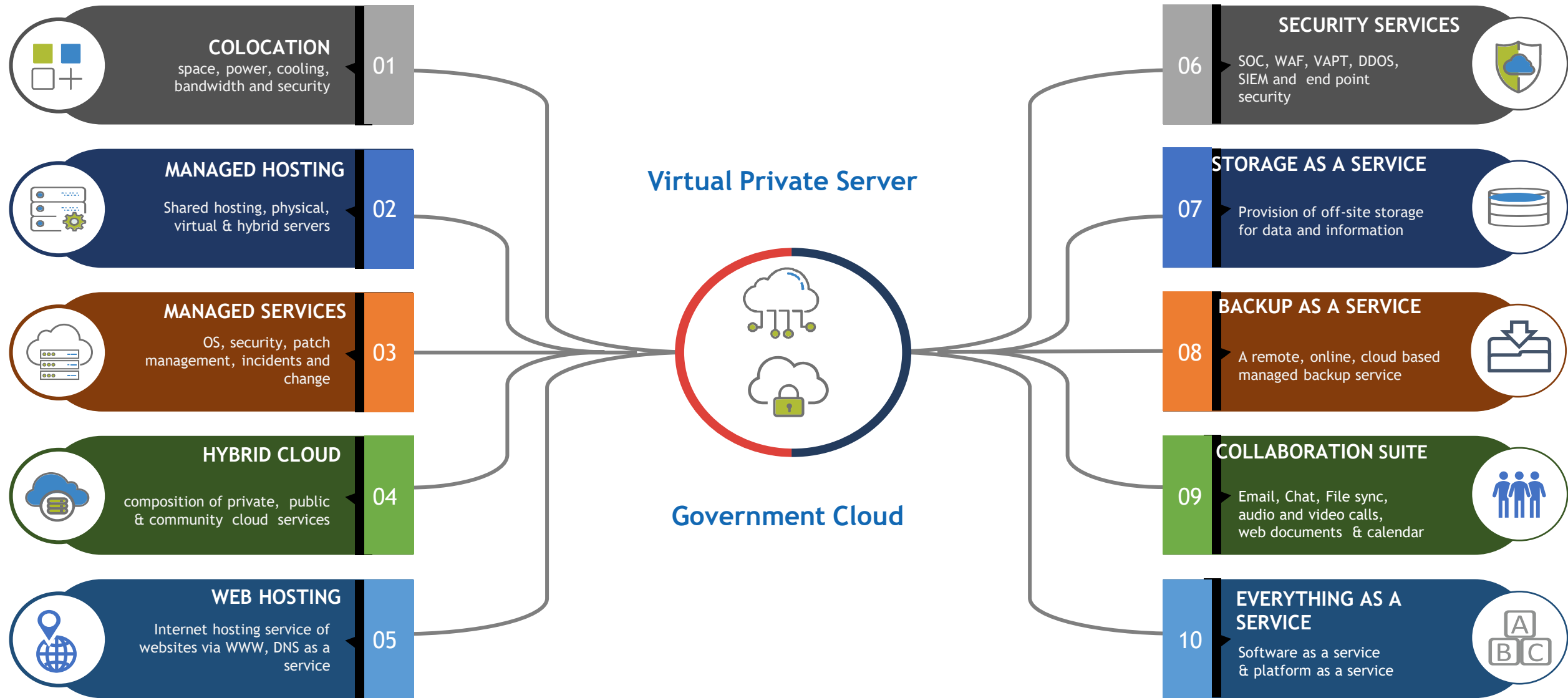
This process is part of the digitalization agenda to curb mobile money fraud and other mobile crimes using the Ghana Card



# DATA CENTER INFRASTRUCTURE & SERVICES



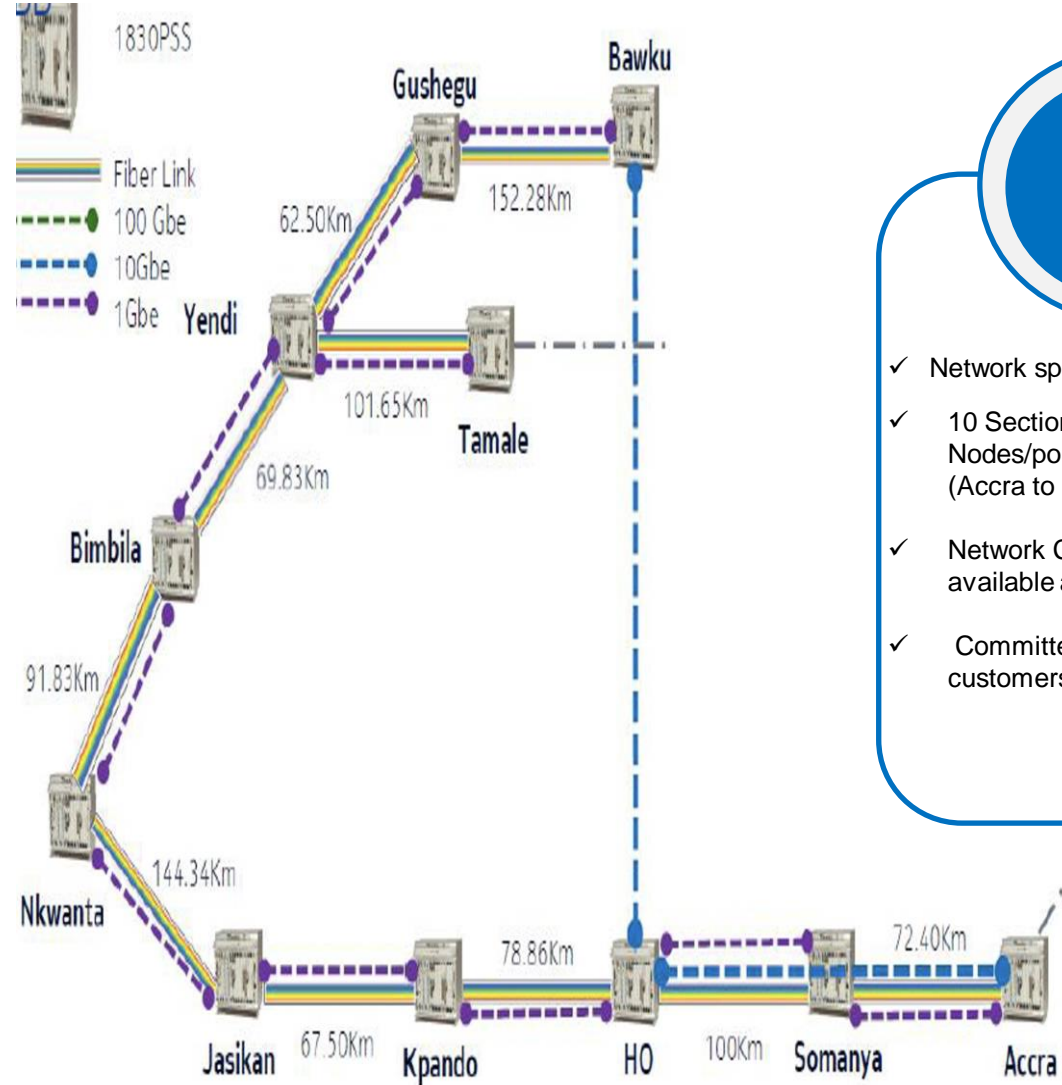
# DATA CENTER | Products and Services



**NETWORK INFRASTRUCTURE &  
SERVICES**



# FIBER INFRASTRUCTURE | Providing high bandwidth capacity & connectivity of services



### Backbone

- ✓ Network span across 1,100 KM
- ✓ 10 Sections & 11 DWDM Nodes/pops in Eastern Corridor (Accra to Bawku)
- ✓ Network Colocation Space available at all 11 Pops
- ✓ Committed SLA offered to customers

### Metro

- ✓ Network span across 350 KM (Accra, Ho and Tamale)
- ✓ Bandwidth capacity of Min : 1 Mbps , Max : STM-1 (155Mbps)

### Upgrades

- ✓ Accra metro transformation to GPON network underway
- ✓ 10G capacity across Accra-Bawku Omnibus in all segments add-drop in all nodes
- ✓ 3\*10G capacity express wave from Accra to Bawku
- ✓ 1\*10 express wave Capacity from Accra to HO

# Citizen Centric Design

- ❖ Much of Ghana's existing digital services are supply driven, with insufficient attention paid to user experience or resident input and priority needs
- ❖ Ghana's existing digital public services do not accommodate different access needs of citizens, including marginalized groups and people with disabilities

## ❑ Recommendation

- ❖ Adopt a standardized user centric delivery framework for digital public services with strict standards

*Thank You*