

**Seventh SG13 Regional Workshop on
“Standardization of Future Networks towards
Building a Better Connected Africa”**

**Experiences & Successful Stories
from Africa – The case of Ghana**

By: Isaac Laryea (NCA, Ghana)

Abuja, Nigeria, 3-4 February 2020

Outline

- **Telecommunication Industry**
- **Key Initiatives by the Government**
- **Adopted ITU Standards**
- **What Next?**

KEY INITIATIVES BY GOVERNMENT

- Building human and institutional capacity to ensure that Ghana has the means to develop fully its telecommunication/ICT sector.
- Development of broadband infrastructure and supporting the achievement of universal access.
- Securing cyberspace and creating a safe environment to use the internet to benefit the citizenry.
- Using policy and regulatory frameworks in order to facilitate sub-regional and regional integration of telecommunication/ICT infrastructure, services and markets (one network).



OTHER KEY INITIATIVES BY GOVERNMENT

- Drone Delivery
 - Medicine Delivery



- Smart Metering
 - leakage detection
 - Sensors



OTHER KEY INITIATIVES BY GOVERNMENT

- Digitized Port Systems



- Intelligent Transport Systems (ITS)



REGULATORY INITIATIVES CONTD.

- Established in 5G Study Group : (Pricing, Spectrum)
- Identified Key Spectrum for 5G
- Conformance Labs ;
 - SAR Lab
 - RF & Signaling Lab
 - EMF Lab
- Unified Licence
- Universal Access Licence



5G Spectrum Status in Ghana

Category	Frequency	Services in Band	Status /Remarks
Low Band	700MHz	TV	Available after digital switchover
Mid Band	3.3 -3.8 GHz	ISPs	110MHz available
Higher Bands	>24 GHz	Fixed and Satellite	MTN Ghana to migrate from the 26GHz by 31 st Dec. 2019

* Studies have been completed in the 26GHz , 33GHz, 37GHz and 43GHz spectrum bands



Way Forward

- Consider key emerging bands for 5G (700MHz, 3.5GHz and 26/28GHz).
- Open for any request for spectrum for 5G trial by operators.
- Collaborate with relevant bodies to curb indiscriminate fiber cuts.
- Organize sensitization forum on 5G related matters to key Utility Service Providers (e.g. EPA, ECG).
- Government needs to adopt national policy to encourage 5G investment



**Thank
You**

