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"NGN and Broadband, Opportunities and Challenges"
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ITU-D Africa Regional Initiatives, Activities and Connect Africa Summit Goals and Objectives

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Topics

- Africa Regional Initiatives
- Programmes, Activities and special initiatives
- Connect Africa Summit Goals and objectives
- Infrastructure Gap analysis
- Conclusion

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AFRICA REGIONAL INITIATIVES

- WTDC-06, Doha, 7-15 March 2006 (Doha Action plan)
- Comprehensive package to enable developing countries to promote equitable and sustainable development of ICT networks and services.
- It consists of five regional initiative, six programmes, two activities and special initiative to be implemented by the ITU, (BDT), over four years.

AFRICA REGIONAL INITIATIVES

WTDC-06 5 RI for Africa: The region puts priorities on five initiatives;

- **Human and Institutional capacity building**

- **Strengthening and harmonizing policy and regulatory frameworks for integration of African ICT markets**

- **Development of a broadband infrastructure and achievement of regional interconnectivity**

- **ICT applications**

- **Introduction of new digital broadcasting technologies**

AFRICA REGIONAL INITIATIVES

■ Objectives – Development of a broadband infrastructure and achievement of Regional interconnectivity

1. Needs assessment for technical support to various connectivity infrastructure projects.
2. Assess existing Internet nodes, traffic and the need for Sub-region Internet Exchange points.
3. Analyze existing relations and routings used for roaming between countries.
4. Collect and compile available data including respective projects for the streamlined broadband infrastructure proposed for the sub-regions.

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AFRICA REGIONAL INITIATIVES

■ Objectives- Cont'd

a) Undertake complementary technical and economical feasibility studies to identify the appropriate carriers for LDCs and landlocked countries..
b) Produce the final configuration of the broadband network.
c) Prepare specifications for the implementation of the interconnection of Internet nodes
d) Provide assistance to countries, where necessary during the various engineering phases.
e) Develop benchmarks for tariffs for ICT service for African countries
f) Establish an MoU between the various operators for mutual recognition of roaming users

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Programmes, Activities and special initiatives

- Programme 1: Regulatory reform
- Programme 2: Information and communication infrastructure and technology development
- Programme 3: E-strategies and ICT application
- Programme 4: Economics and finance, including costs and tariffs
- Programme 5: Human Capacity building
- Programme 6:Least Developed countries and small island developing states and emergency telecommunications

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Programmes, Activities and special initiatives

- Two activities (ICT statistics on indicators and information, Partnerships and promotion)
- Special initiatives focusing on gender, youth and children, indigenous people and communities, including people with disabilities, communities living in underserved areas, and private-sector issues.

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Connect Africa Summit Goals

- **Goal 1:** Interconnect all African capitals and major cities with ICT broadband infrastructure and strengthen connectivity to the rest of the world by 2012.

- **Goal 2:** Connect African villages to broadband ICT services by 2015 and implement shared access initiatives such as community tele-centres and village phones.

Connect Africa Summit Goals

Goal 3: Adopt key regulatory measures that promote affordable, widespread access to a full range of broadband ICT services, including
- technology and service neutral licensing/authorization practices,
- allocating spectrum for multiple, competitive broadband wireless service providers,
- creating national Internet Exchange Points (IXPs) and implementing competition in the provision of international Internet connectivity.

Connect Africa Summit Goals

Goal 4: Support the development of a critical mass of ICT skills required by the knowledge economy, notably through

- the establishment of a network of ICT Centres of Excellence in each sub-region of Africa and
- ICT capacity-building and training centres in each country,

with the aim of achieving a broad network of inter-linked physical and virtual centres, while ensuring coordination between academia and industry by 2015.

Connect Africa Summit Goals

Goal 5: Adopt a national e-strategy, including a cyber-security framework, and

- deploy at least one flagship e-government service as well as e-education, e-commerce and e-health services

using accessible technologies in each country in Africa by 2012, with the aim of making multiple e-government and other e-services widely available by 2015.

Infrastructure Gap Analysis

The infrastructure gap analysis being addressed by ITU/AfDB

- ITU involved with technical support
- AfDB involved with funding

Attention focused on goals 1 and 2 of the Connect Africa Summit.

Conclusion

- All stakeholders in ICTs need to be involved in NGN and broadband infrastructure implementation.
- Network providers and service providers need to contribute to the development of the process regarding convergence of networks (termed as NGN) in order to fully understand and be part of the industry's evolution.
- Much attention has to be paid to resource mobilization.

THANK YOU VERY MUCH FOR YOUR ATTENTION