

Broadband Infrastructure in Uganda



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OUTLINE

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- ✓ **History of National Broadband Infrastructure Rollout in Uganda**
- ✓ **Uganda's current broadband Infrastructure Rollout**
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History of the sector

- ✓ Up to 1977 East Africa Posts & Telecommunications Corporation (EAP&TC);
- ✓ 1977 – 1993: Uganda Posts & Telecommunications Corporation formulated as a monopoly (UP&TC);
- ✓ 1993: 1st mobile cellular service operator licence given to Celtel;
- ✓ 1998: Split of UP&TC as well as roles of operation, regulation (establishment of UCC), operation and policy making;
- ✓ licensing of MTN as 2nd National Telecom Operator,
- ✓ 2000: 51% privatisation of UTL
- ✓ 2006: Formation of ICT Ministry
- ✓ 2009: Formation of NITA-U



History of National Broadband Infrastructure Rollout

- ✓ During the Exclusivity period, the infrastructure was rolled out by the two NTOs (MTN and UTL), the Cellular Telecom operator (CTO - Celtel)
- ✓ The service providers who had been licensed to set up telecom infrastructure, before the 1996 policy. These included ISPs with IDG's, wireless local loop and optical fibre cables and Third Party Network Providers (e.g. AFSAT).



History of National Broadband Infrastructure Rollout

- ✓ **Until recently, Uganda depended only on satellite for international access;**
- ✓ **Satellite is expensive and has limited capacity compared to optical fibre.**



Uganda's current broadband Infrastructure Rollout

- ✓ **GOU is developing a high capacity National Backbone Infrastructure;**
- ✓ **Telecom operators have rolled out broadband infrastructure in most parts of the country;**
- ✓ **UETCL has rolled out optical fibre which is used for broadband transmission by Telecom operators**
- ✓ **Uganda no longer depends on satellite exclusively for international access;**
- ✓ **There is fibre connectivity for international access.**

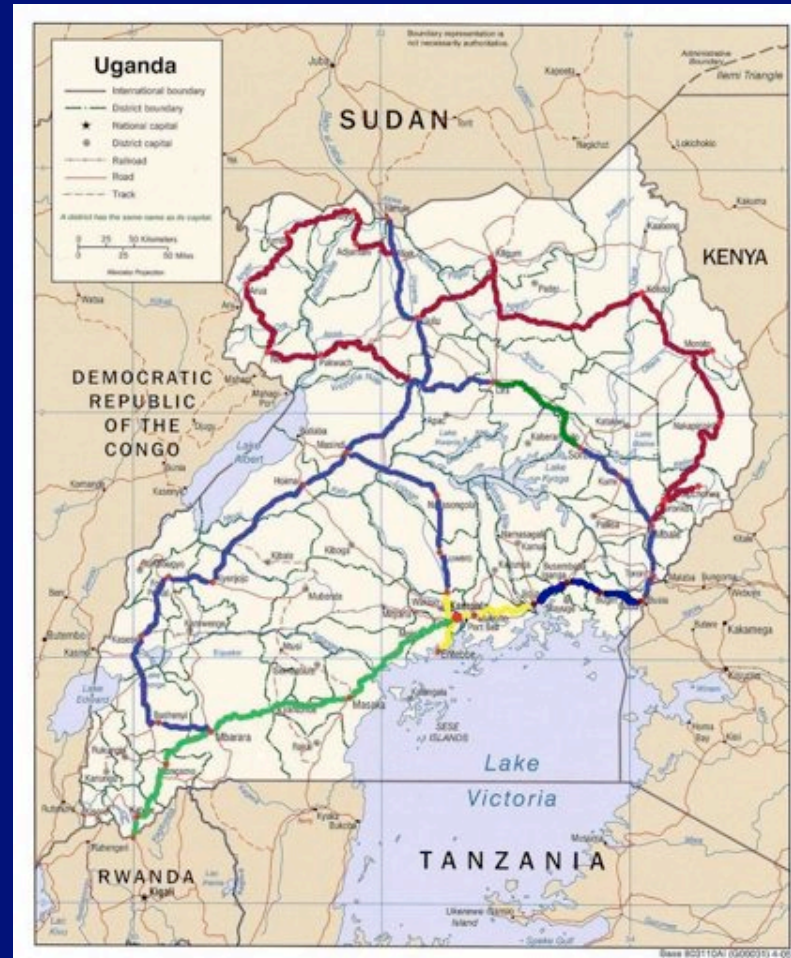


National backbone Infrastructure

□ Status of National Backbone Infrastructure

- All Ministries (28) are connected with 2.5Gbps connectivity;
- 2.5Gbps connectivity is available in Kampala, Mukono, Bombo, Jinja and Entebbe
- Optical fibre has been laid to Iganga, Tororo, Malaba, Busia, Kumi, Soroti, Lira, Gulu, Nimule, Luwero, Nakasongola, Masindi, Hoima, Mbarara, Bushenyi, Fortportal and Kyenjojo
- Ministry is implementing Phase II (lighting the fibre)

Coverage of national backbone infrastructure





Way forward

- ✓ **The National Backbone Infrastructure is to be commercialised through PPP;**
- ✓ **Telecom operators are encouraged to rollout Broadband infrastructure to all parts of the country regardless of profitability;**
- ✓ **E-Government services are to be rolled out through National Backbone Infrastructure for use by central and local Governments;**
- ✓ **There is need for more optical fibre international links to cut costs of broadband**



Thanks for listening