

Tanzania Education & Research Network (TERNET)

UbuntuNet Alliance 2nd Council Meeting

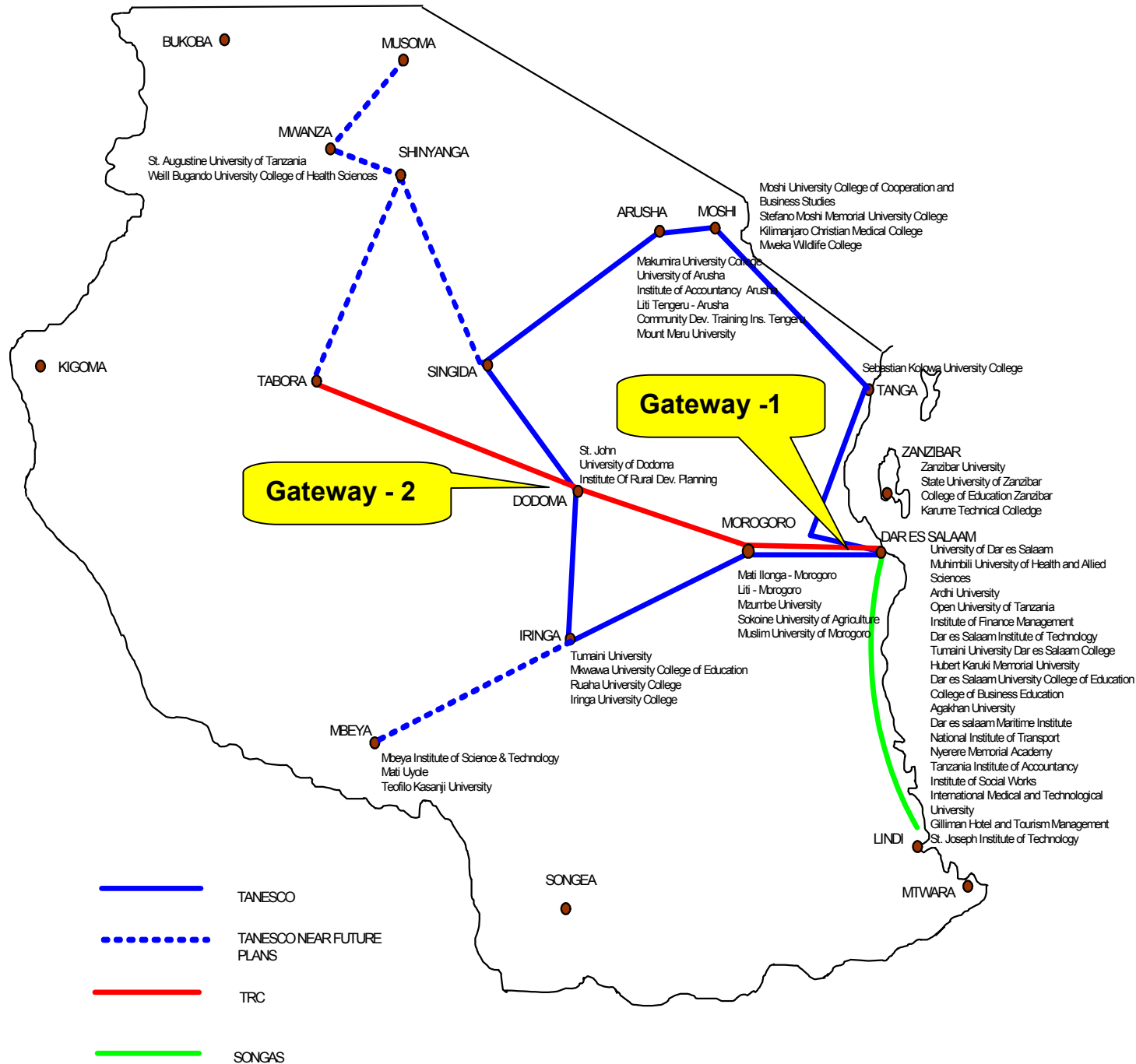
Dr. Jabiri Kuwe Bakari
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Lecturer and Director Institute of Educational Technology
Open University of Tanzania

Ag. Executive Secretary - TERNET

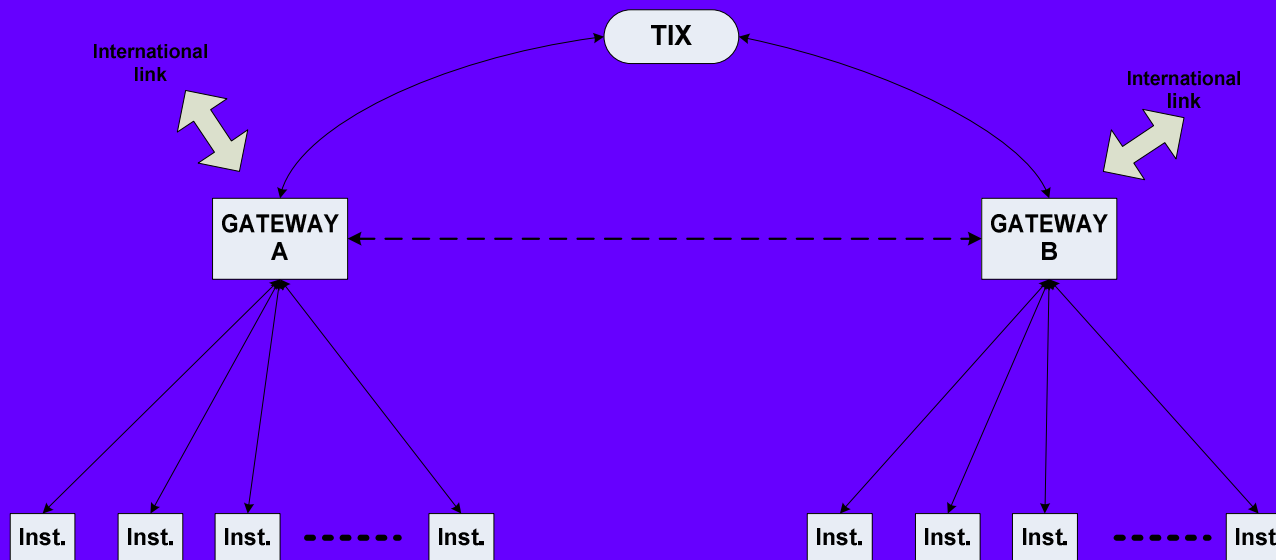
18th April, 2008, Lusaka, Zambia

Tanzania Existing OFC Infrastructure

- There is no full National OFC Infrastructure
- There are few exiting OFC segments owned by public institutions:
 - Tanzania and Zambia Railway Associoation (TAZARA)
 - Tanzania Railway Coperation (TRC)
 - Songas - gas company
 - Tanzania Utility company (TANESCO)
 - Tanzania Telecommunication Company (TTCL)



The analysis of the existing situation indicates that more than **90%** of the TERNET members' institutions are allocated along or where TANESCO infrastructure is installed or planned for installation in the near future.



The TANESCO OFC network has a total of 24 cores, 16 cores have been allocated for partners, and out of remaining 8 cores TANESCO is only using 2 cores.

Plans are underway to give out 4 cores to Ministry of Communication, Science and Technology for the proposed National backbone. This is where we think we can benefit from this arrangement

TERNET Status

- Registered as a Trustee (11th April, 2008)
- Leadership is in place
- TERNET Infrastructure:
 - Expect to make use of the existing fibre optic infrastructure and build its own where necessary
 - high level Infrastructure design using existing Infrastructure is almost complete.
- Many Challenges



The Trustees Incorporation Act (Cap. 318 R.E. 2002)

CERTIFICATE OF INCORPORATION

NO. 3393

THIS IS TO CERTIFY that REGISTERED TRUSTEES OF TANZANIA EDUCATION AND RESEARCH NETWORK (TERNET) -----

is a body incorporated under the provisions of the Trustees' Incorporation Act (CAP. 318 R.E. 2002); SUBJECT to the following conditions, that is to say - First that such body corporate shall not, without first obtaining my consent in writing acquire any estate or interest in land; and Secondly, that such body corporate shall not, without like consent, use or permit or suffer to be used any land vested in it otherwise than in direct fulfillment of the trusts for which such body corporate is established.

GIVEN at Dar es Salaam under my hand this 11TH day of APRIL 2008

I Certify that this is a True Copy of the Original

Sign *[Signature]*



[Signature]
(PHILLIP G. SALIBOKO)
Acting Administrator-General of Trustees.

Challenges and Way Forward

1. Funding...

- Establishing TERNET secretariat (Staff, offices, and assets)
- TERNET staff capacity building
- Infrastructure/equipment Commisining (External grant, Soft Loan, Government budget)
- Sustainability
(membership fee + money generating secretariat activities?)

Efforts on Creating National OFC Infrastructure

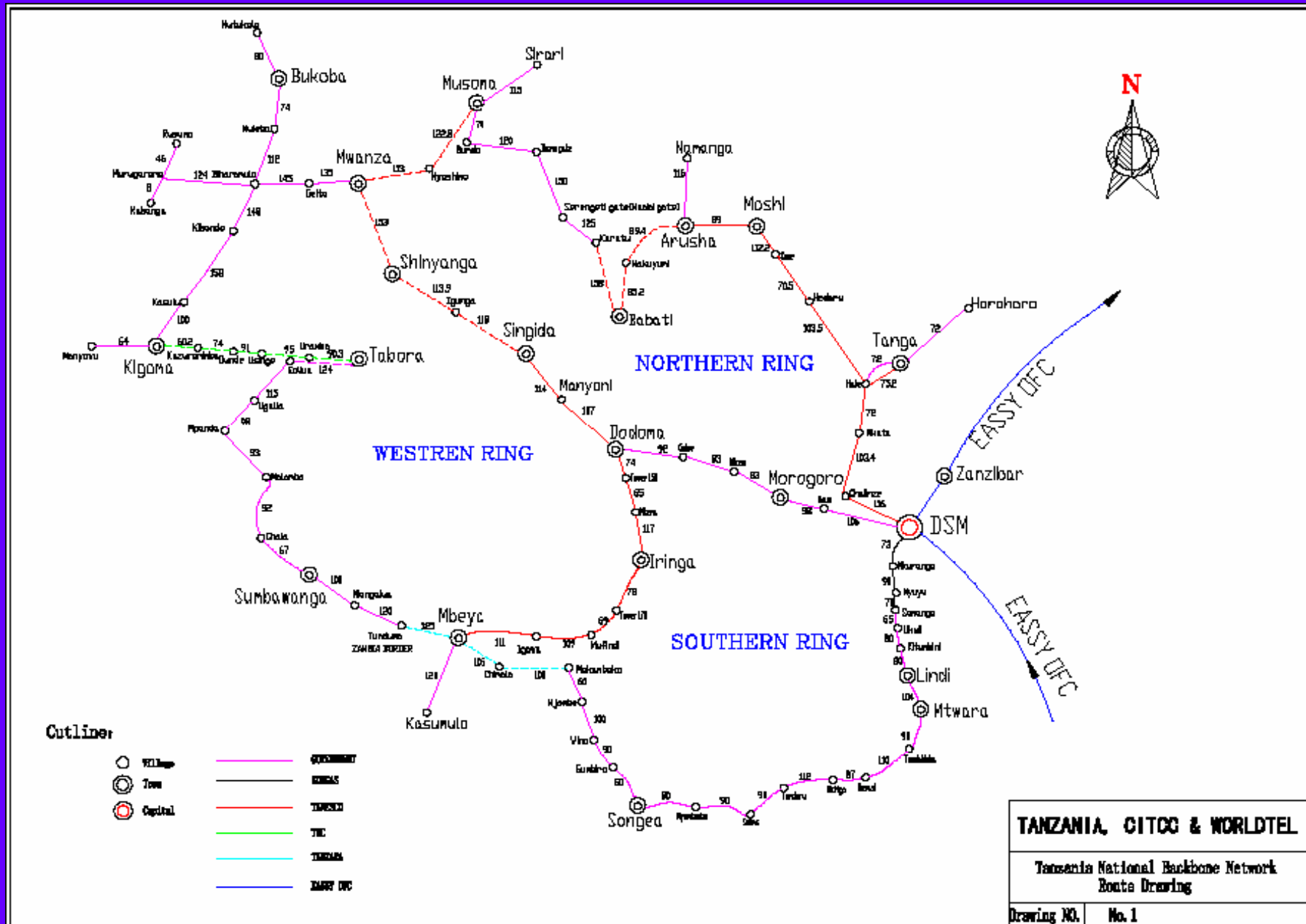
In March 2004, Tanzania (Ministry of Infrastructure Development) + Chinese government formed a technical team to study & propose National ICT infrastructure.

Proposed soln

- o Total backbone length => 6000km
- o The backbone make use of excess capacity of the existing links owned by different public institution
- o Terminating at each district (totaling 127) in Tz mainland
- o The project financial requirements amounts at US \$ 170 million (excluding taxes + excise duties)
- o Local Management, and Labour costs estimated at US 30 million
- o Implementation schedule was set to be within 18 months period

The proposal is being worked on

PROPOSED OFC BACKBONE



Ahsante Sana