CURRENT ISSUES IN THE BUILDING OF GARNET

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Outline of this Presentation

- Brief Background and basic information on GARNET
- Current Status
- Deployment Plans
- Challenges
- Strengths
- Outline of planned Activities
Background

• MoU prepared in November 2006
• MoU signed by VCGs in March 2009
• August 23, 2010 as a not-for-profit Company with limited liability
• Empowerment of GARNET
• Design of vision core network
Founding Members

- University of Ghana (UG)
- Kwame Nkrumah University of Science and Technology (KNUST)
- University of Cape Coast (UCC)
- University for Development Studies (UDS)
- University of Education Winneba (UEW)
- University of Mines and Technology (UMaT)

Pending Membership

- Central University College (CUC)
- Ashesi University College (Ashesi)
- Council for Scientific and Industrial Research (CSIR)
- Ghana Telecom University College (GTUC)
- Methodist University College, Ghana (MUCG)
- Ghana Institute of Management and Public Administration (GIMPA)
- And others to come....
GARNET Governance Structure

- Board of Directors (VC’s)
- Secretariat
- Working Group (Network)
- Working Group (Content)
- Working Group (Application)
- Advisory Board (IT Directors, Donors, Ad-hoc Members)
Current Status

- Acceptance of by VCG July 31 2010
- GARNET obtained legal status on 23rd August 2010
  Company Limited by Guarantee
- Developing the topology of the Logical and Physical connections of the various institutions in GARNET
  - GARNET Technical Network Committee
- Support from partners – AAU, NSRC and PHEA
Proposed Logical Network View
Involvement of NITA

Figure 3
Involvement of MainOne

Figure 4
Unified NITA MainOne Core Network For GARNET

Figure 5
Challenges

• Getting the institutions to accept to think more of interconnecting their networks

• Getting the Institutions to realize the potential of having physical connection among themselves

• Funding of GARNET infrastructure
  ◆ Not full support from Government
Strengths

• More viable campus networks
• National fiber backbone
• Champions pushing hard for GARNET to succeed
• Availability of International bandwidth
• Hence significant drop in international bandwidth cost
• Support from partners – AAU, NSRC and PHEA
High Capacity Undersea cable (8 Tb/s) by Q2 2011
High Capacity Undersea cable (8 Tb/s) by Q2 2011
**Planned Activities**

- Expand membership of GARNET to include all other tertiary and research institutions
- GARNET to become a Local Internet Registry (LIR), and get all members to subscribe to AfriNICIPs. With support from the AAU
- 3rd Workshop for Campus Network Administrators in collaboration with NSRC and others
  - Proposed for Summer 2011, at KNUST
  - Source for support for proposed network and Secretariat
Thank You...
THANK YOU FOR YOUR ATTENTION

QUESTIONS?

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