

**Africa Tertiary Institutions Connectivity
Survey**

Preliminary Insights

Sept 2004

DRAFT

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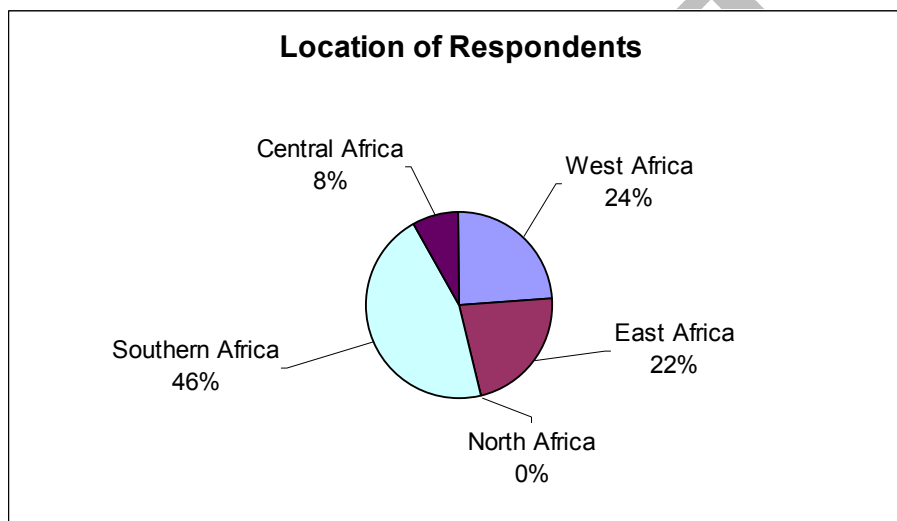
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1.0 Introduction

1.1 Location of Respondents

Respondents were targeted from across Africa. This report presents an analysis of 50 respondents. The largest group of respondents are from southern Africa. It is hoped that the end of the survey will obtain more respondents obtained from the other regions. The following chart shows the distribution of the respondents in the five African regions.

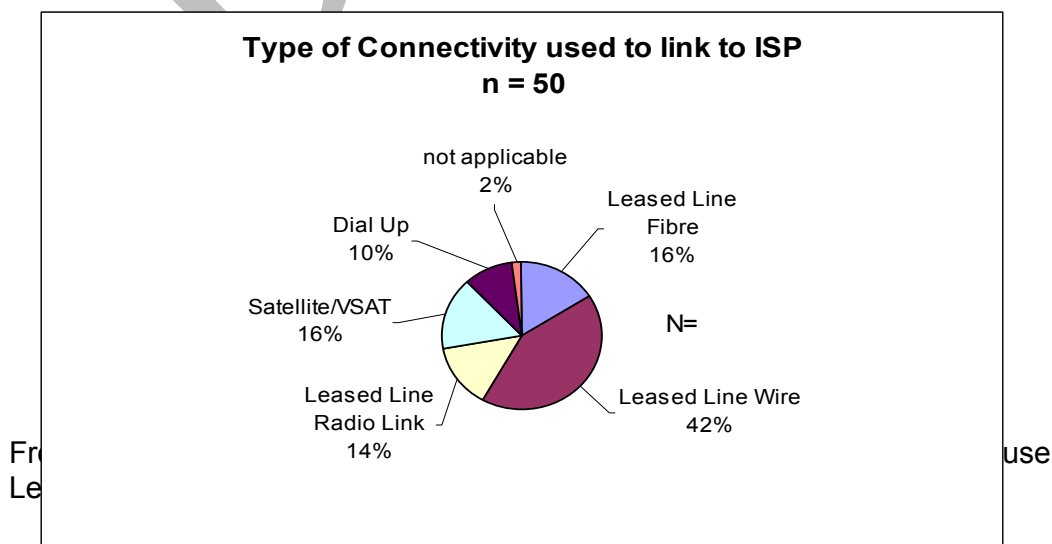
Chart 1.1 Location of Respondents



1.2 Type of Connectivity at African Tertiary Institutions

The following statistics were derived from the sample.

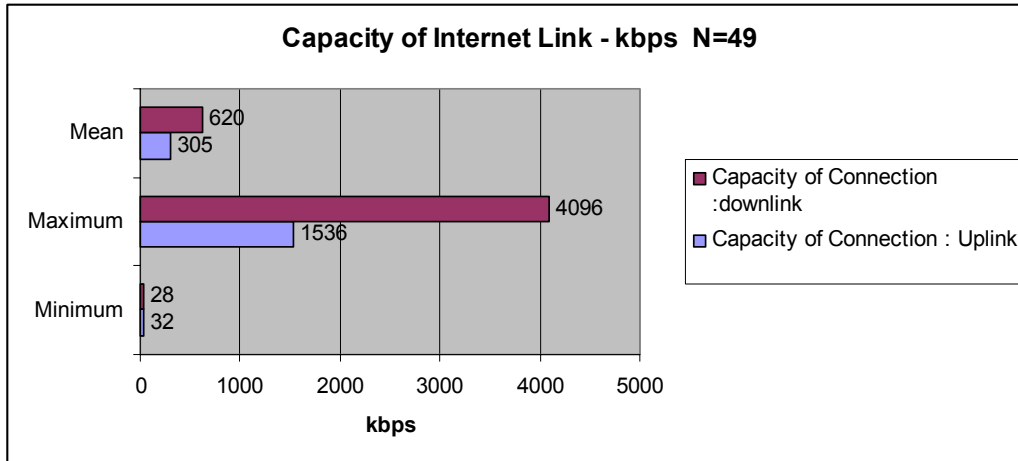
Chart 1.2 Type of Connectivity use by Institutions to link to ISPs



1.3 Capacity of Connection in African Tertiary Institutions

The average, maximum and minimum capacities of connection for the sample were calculated.

Chart 1.3 Capacity of Connection



1.3.1 Institutions with Committed Information Rates

The majority of the respondents do not have a Committed Information Rate for their connectivity or they did not know what a Committed Information Rate was.

Chart 1.6 Percentage of Respondents with a Committed Information Rate

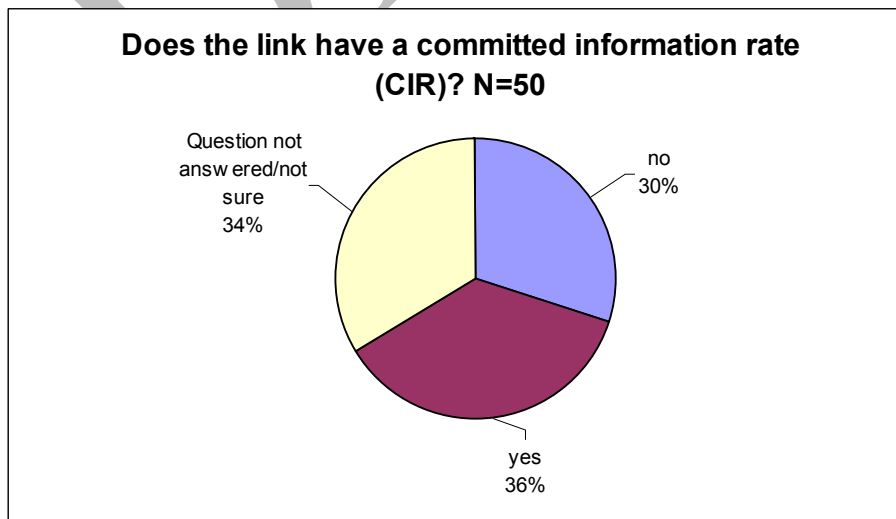
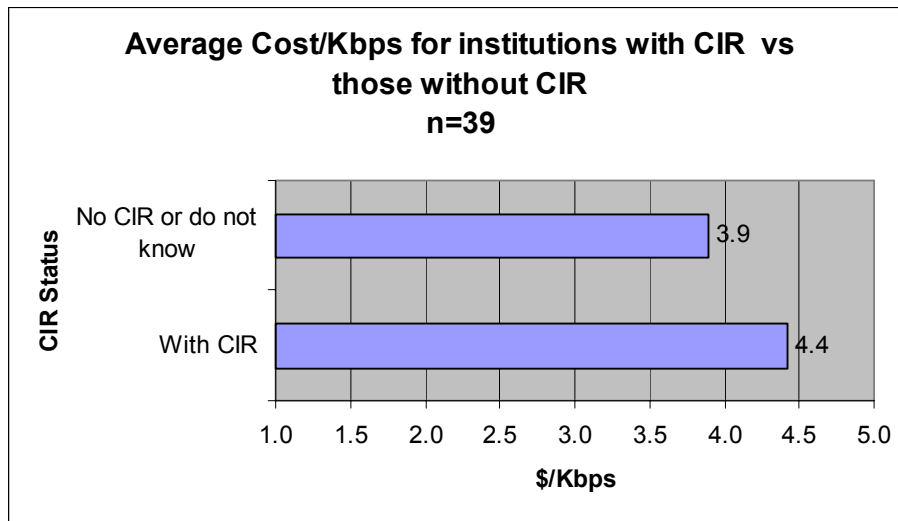
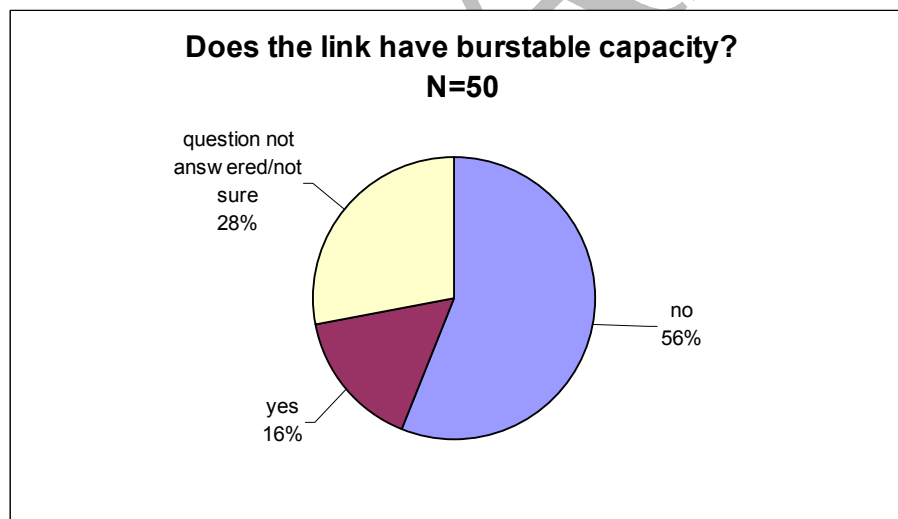


Chart 1.6.1 Average Cost/Kbps for Institutions with CIR vs those without CIR



1.3.2 Institutions with Burstable Capacity

Chart 1.7 Percentage of Respondents with Burstable Capacity

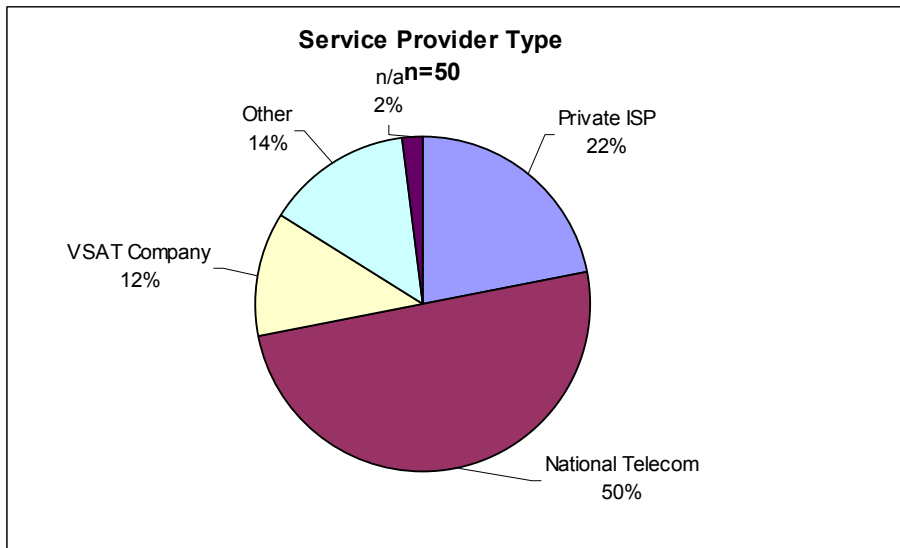


The majority of the respondents do not have burstable capacity as indicated by the 56% that said no to the question. Again some respondents did not answer the question, as they were not sure what the question meant.

1.4 Type of Internet Service Providers in African Tertiary Institutions

The majority of the respondents purchase their bandwidth from a National Telecom.

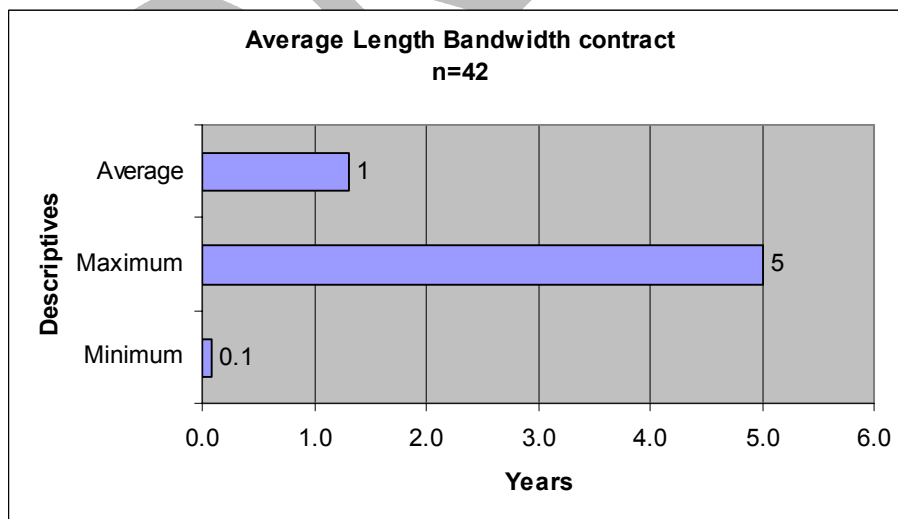
Chart 1.8 Type of Internet Service Providers



Data from this chart corroborates the low incidence of VSAT use in the sampled African institutions. Only 12% of the respondents mentioned a VSAT company as their ISP. Other service providers mentioned in the sample are donor-driven Internet initiatives like the UNDP initiative being implemented in Malawi and the French embassy of Central African Republic. Institutions from Kenya, South Africa (incl Swaziland and Lesotho) mentioned the services that are provided by TENET and KENET, the tertiary and education networks.

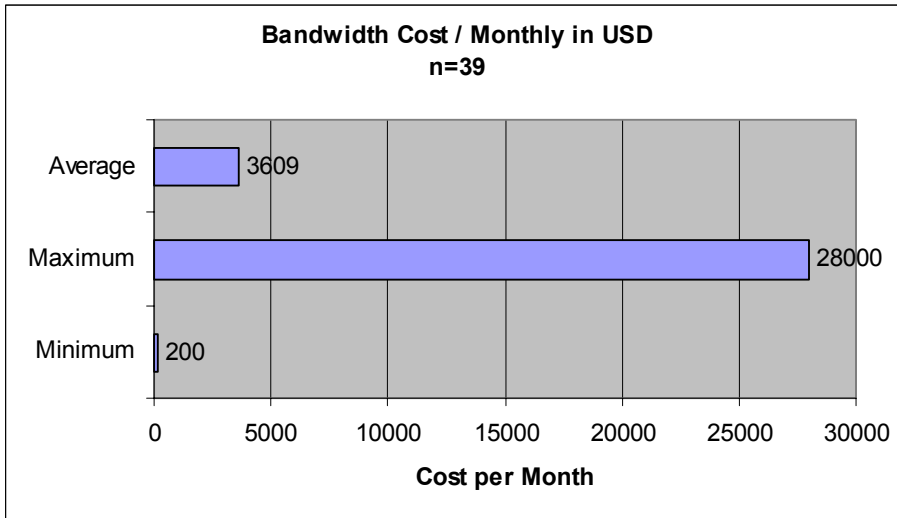
1.4.1 Length of Bandwidth Contracts

Chart 1.9 Average Length of Bandwidth Contracts



1.5 Cost of Bandwidth per month

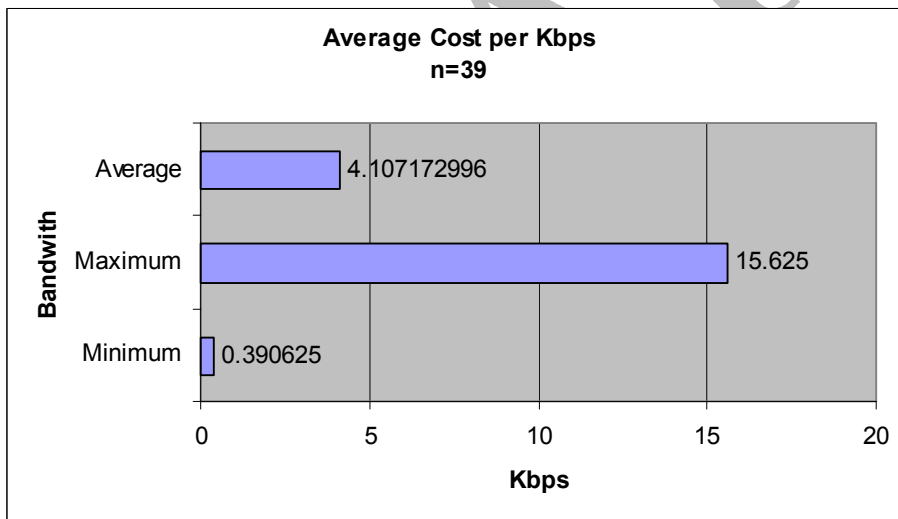
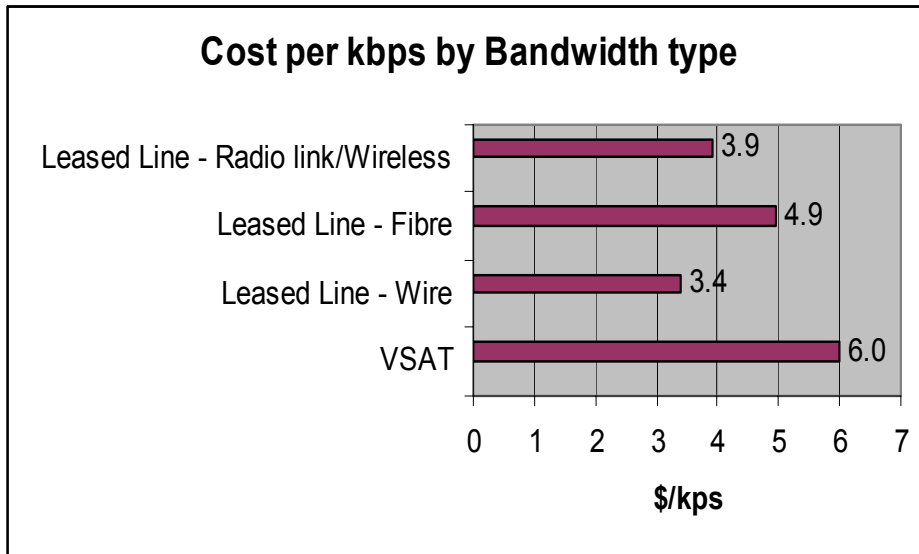
Chart 1.10 Average cost of bandwidth/month



1.5.1 Cost per Kbps

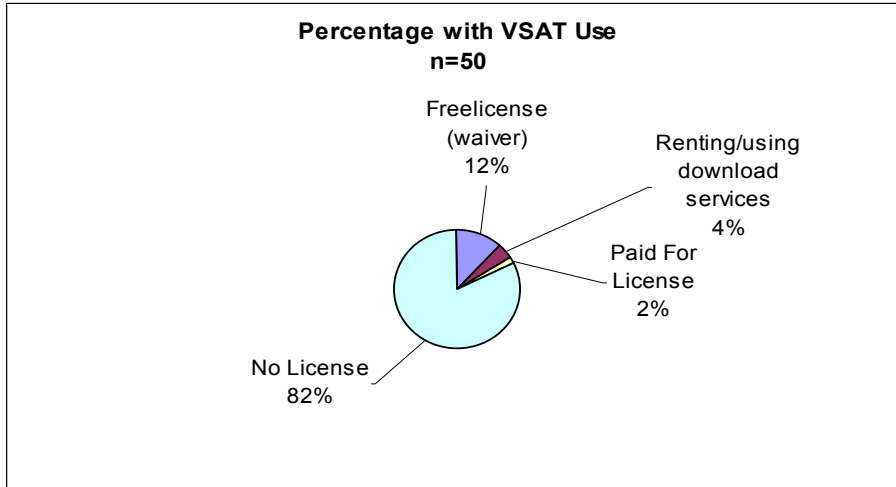
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Chart 1.11 Average cost per Kbps per month



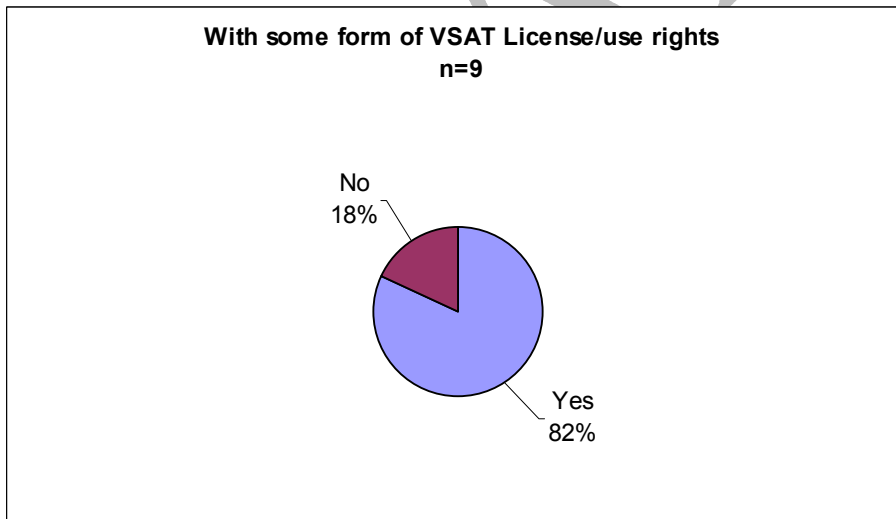
1.6 VSAT Use

Chart 1.12 Percentage with VSAT Licenses (all Universities)



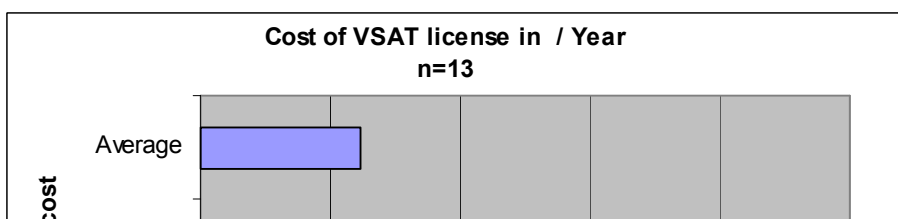
1.6.1 Percentage of VSAT users with VSAT License

Chart 1.13 Percentage of VSAT users with VSAT Licenses



1.6.2 Cost of Non-Free VSAT Licenses

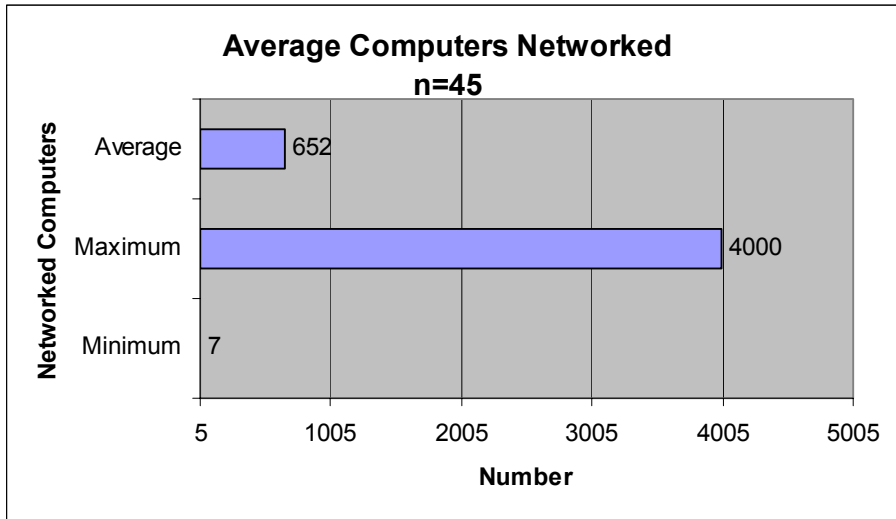
Chart 1.14 Cost of Non-free VSAT Licenses



Data from Institutions without VSAT but who know the cost was also included in analysis.

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1.7 Networked Computers

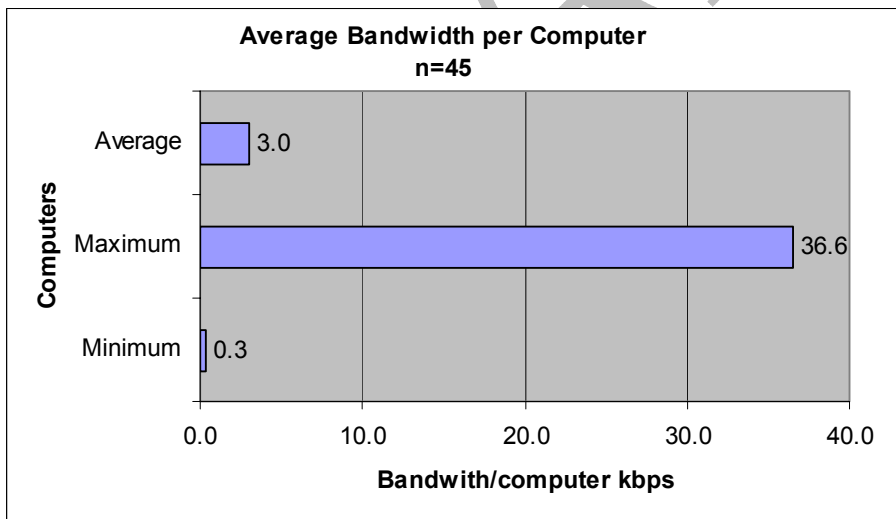


Chart

1.15 Average number of Networked Computers

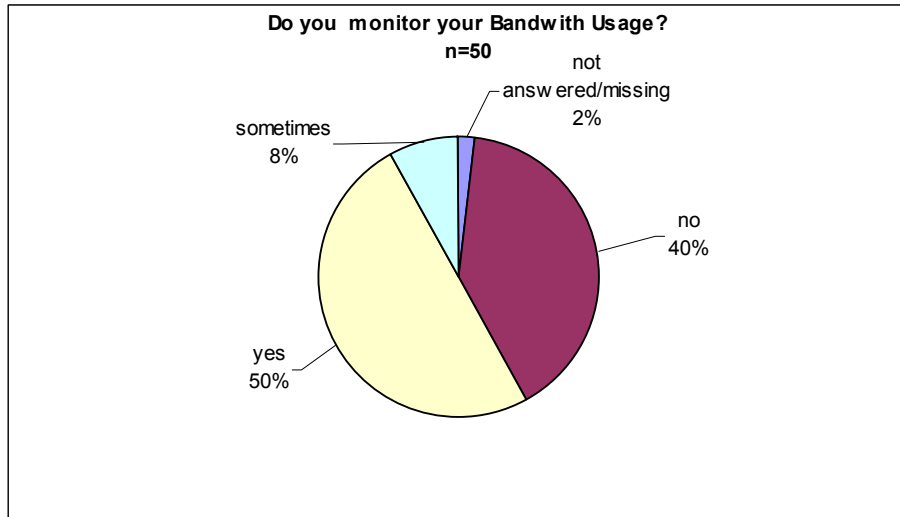
1.7.1 Bandwidth per Networked Computer

Chart 1.16 Average bandwidth per Networked Computer



1.8 Monitoring Bandwidth Usage

Chart 1.17 Do you monitor your bandwidth usage



Although 50% indicate that they monitor their bandwidth almost none of the universities could provide basic usage figures such as average bandwidth used, indicating that monitoring is sporadic at best

1.9 Bandwidth Management

Chart 1.18 Do you manage your bandwidth in any way?

