



INTERNATIONAL TELECOMMUNICATION UNION

**TELECOMMUNICATION
DEVELOPMENT BUREAU**

**Document 030-E
12 October 2006
Original: English**

5TH WORLD TELECOMMUNICATION/ICT INDICATORS MEETING, GENEVA, 11-13 OCTOBER 2006

SOURCE: TCRA, Tanzania

TITLE: Telecom/ICT Data Collection – Country best practice



TELECOMMUNICATION/ICT INDICATORS MEETING
ITU, Geneva 11-13 October 2006

TELECOM/ICT DATA COLLECTION – COUNTRY BEST PRACTICE

Tanzania Experience

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1.0. Introduction

1.1 Country Background

- Tanzania is a tropical country located in the eastern coast of Africa.
- Population approx. 35M (2002 Census).
- GDP per capita - 327 US dollars
- GDP growth rate- 5.6%



Introduction cont....

1.2 About TCRA

- A regulatory Authority
- Established in 2003 after merging Tanzania Communication Commission and Tanzania Broadcasting Commission
- Regulates
 - Telecommunication & ICT
 - Broadcasting & Radio Communication
 - Posts and Courier Services



2.0. Indicators for Data Collection

- The data for these regulated sectors started to be collected since TCRA was established (2003)
- Though there is no a formal system for data collections, the following are examples of some of **groups** of indicators :

2.1 Telecommunication group of indicators

- Telephone Lines
- Telephone Subscribers
- Public Payphones
- Number of Links
- Number of Circuits
- etc



Indicators cont...

2.2 ICT group of indicators

- Number of ISPs
- **ISP Subscribers**
- **Internet Users**
- Number of Public Data Operators
- Number of private Data Operators
- etc

2.3 Broadcasting group of indicators

- Number of Televisions
- Number of Radios
- Number of TV receivers
- Estimated number of house hold with TV receivers
- etc



Indicators cont...

2.4 Some Statistics

Tanzania Communication Infrastructure (2005)

ICT & TELECOMMUNICATION

| | |
|-----------------------------------|----|
| Fixed Line Operators | 2 |
| Mobile Operators | 4 |
| Data Operators (Public & Private) | 20 |
| Internet Service Providers | 25 |

TELEVISION STATIONS

| | |
|------------------------------|----|
| National Television Stations | 5 |
| Regional Television Stations | 2 |
| District Television Stations | 22 |

RADIO STATIONS

| | |
|-------------------------|----|
| National Radio Stations | 5 |
| Regional Radio Stations | 7 |
| District Radio Stations | 35 |

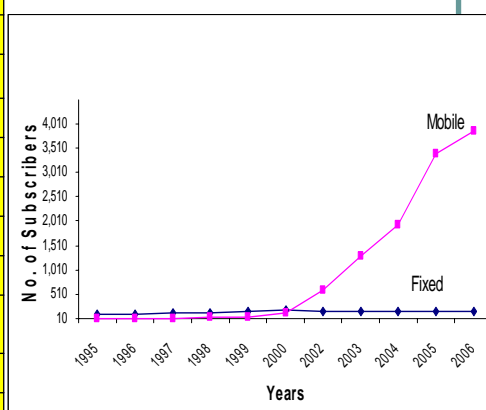


Indicators cont...

2.4 Some Statistics

Trends of Telephone Subscribers 1995- April 2006

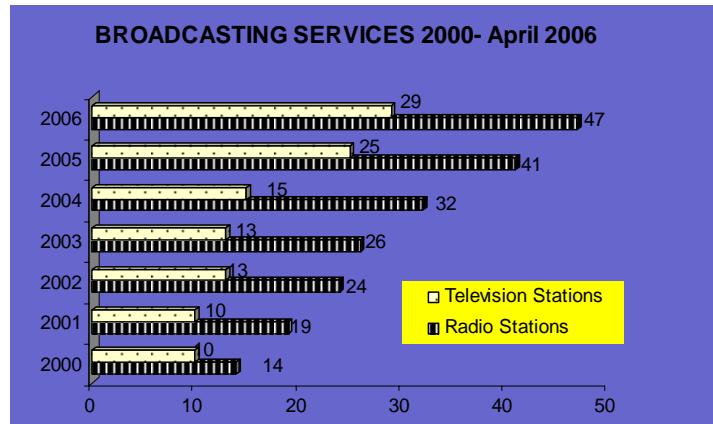
| YEAR | FIXED LINES | MOBILE | TOTAL |
|------|-------------|-----------|-----------|
| 1995 | 88,000 | 2,198 | 90,198 |
| 1996 | 101,000 | 3,200 | 104,200 |
| 1997 | 114,600 | 20,045 | 134,645 |
| 1998 | 121,769 | 36,143 | 157,912 |
| 1999 | 150,220 | 50,100 | 200,320 |
| 2000 | 173,591 | 126,646 | 300,237 |
| 2002 | 161,590 | 606,859 | 768,449 |
| 2003 | 147,006 | 1,295,000 | 1,442,006 |
| 2004 | 148,360 | 1,942,000 | 2,090,360 |
| 2005 | 154,360 | 3,389,787 | 3,544,147 |
| 2006 | 145,000 | 3,855,190 | 4,000,190 |





Indicators cont...

2.4 Some Statistics



3.0 Methods of Data Collections

- Data are collected in ad-hoc basis through
 - Telephone
 - Physical visits/interviews
 - Use of Operators websites
- Some few proxy- indicators on ICT are collected through National surveys
- **TCRA Statistic Information System (TIS)** is underway to be established



Methods Cont.....

- **TIS will consist of**

1. **Data Collection System (DCS)**

This entails development of Routine Data System, identification of Researches and Surveys and establishment of Data Flow System.

2. **Data Management System (DMS)**

This involves database development, administration and Identification of Processing requirements including Analysis packages/software



4.0 Challenges/Problems

- **Designing, Establishing and Implementing a formal system for data collection**
 - To be understood by users and data producers
 - To be understood by Partners and Stakeholders
- **To include/embed ICT indicators to National Surveys e.g. HBS, ILFS etc**
 - Forging collaboration with NBS & other Statistical and Research Institutions
 - Resources



5.0 Way forward and Conclusion

- **Implement the TIS fully**
- **Advocating and Capacity building** – a call for regional workshop on ICT/Telecommunication data collection methodology, storage, processing and analysis
 - Workshops such as this one is important in building capacity and should also involve operators.
- **ITU should develop a standardized ICT/Telecommunication data collection methodology** (Survey methods) to help ministries/regulators in data collection and dissemination.



Thanks
ASANTENI SANA