

## Uganda's Experience on Building ICT indicators

World Telecommunication/ICT Indicators  
Meeting

10 – 11 February 2005

ITU / Geneva

**Ssemboga Ann Rita**

Economist- Uganda Communications  
Commission



## Outline of Presentation

- Overview
  - Facts of Uganda
  - Policy, Legal & Regulatory Framework and developments
  - Institutional Arrangements
- ICT indicators & infrastructure
  - Categories and Indicators
  - Collection, computation editing and verification
  - Disseminations
- Challenges & Issues
- Present Activities
  - Policy Initiatives and Processes
- Way Forward



## Policy, Legal & Regulatory Developments

- Prior 1996:
- 1996: A Communications Policy announced
  - Enabling legal framework for communications development
  - Facilitation of private sector participation in overall national development;
  - Separation of roles; policy, regulation, operations
  - Introduce Competition thru multiple operator licensing
- 1997: A Uganda Communications Act Cap 106 was announced
- 1998: **Independent** Regulator Uganda Communications Commission established

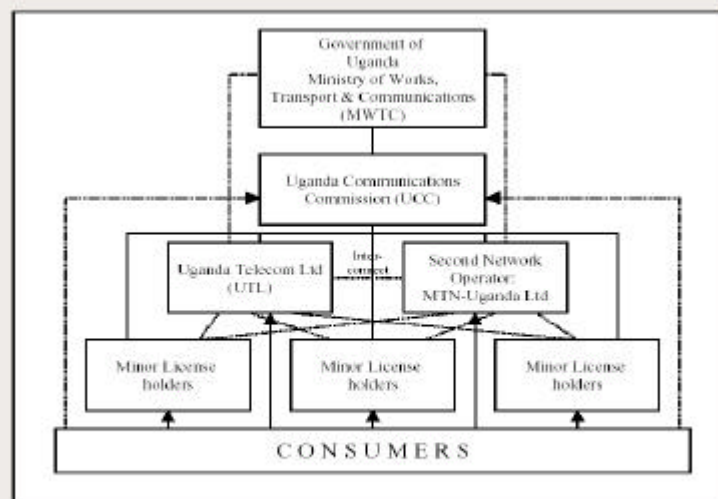
## Policy, Legal & Regulatory Developments

- **1998**: Unbundling of the Incumbent UPTC
  - Post Uganda Post, Uganda Telecom and Post Bank Uganda
- **1998**: Competition introduced
- **1998**: MTN licensed as a Second National Operator to compete with UTL in provision of all services; fixed, mobile etc
- **1995**: Celtel mobile licence
- **2001**: Sale of 51% of UTL to 'Strategic Investor'
- **2001**: Rural Communications policy established
- **2003**: Postal Policy
- **2004**: ICT Policy

## Legal Framework

- Telecommunications Act 1996
- The Press and Journalist Statute 2001
- The Electronic Media Statute 1996
- The Communications ( Establishment and Management of the Rural Communications Fund)statutory instrument 2002

## Institutional Arrangements



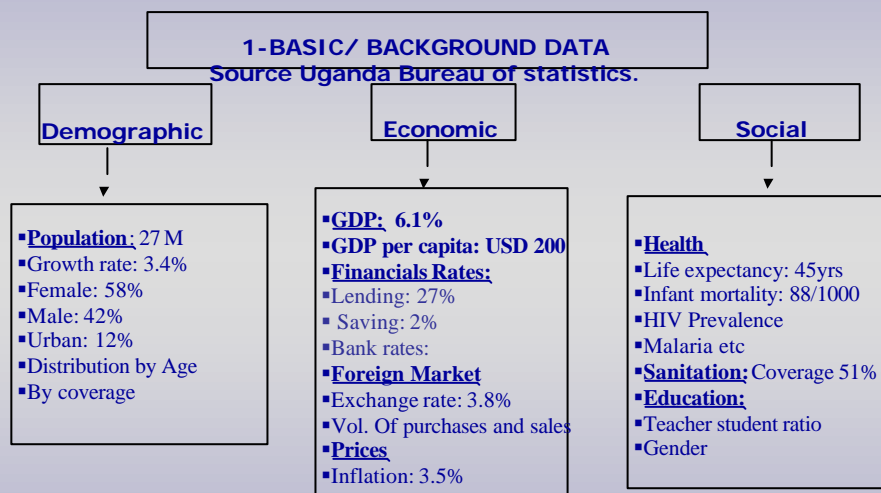
Note: Celtel is regarded as a "minor license holder".  
Source: Government of Uganda, Privatization of Uganda Telecom, Information Memorandum.

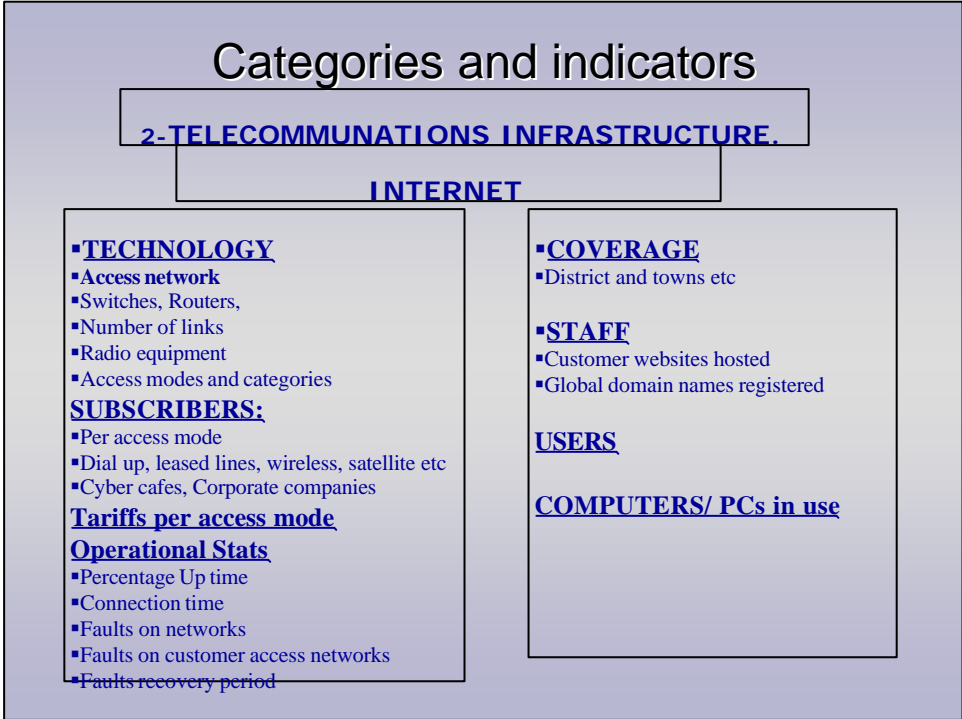
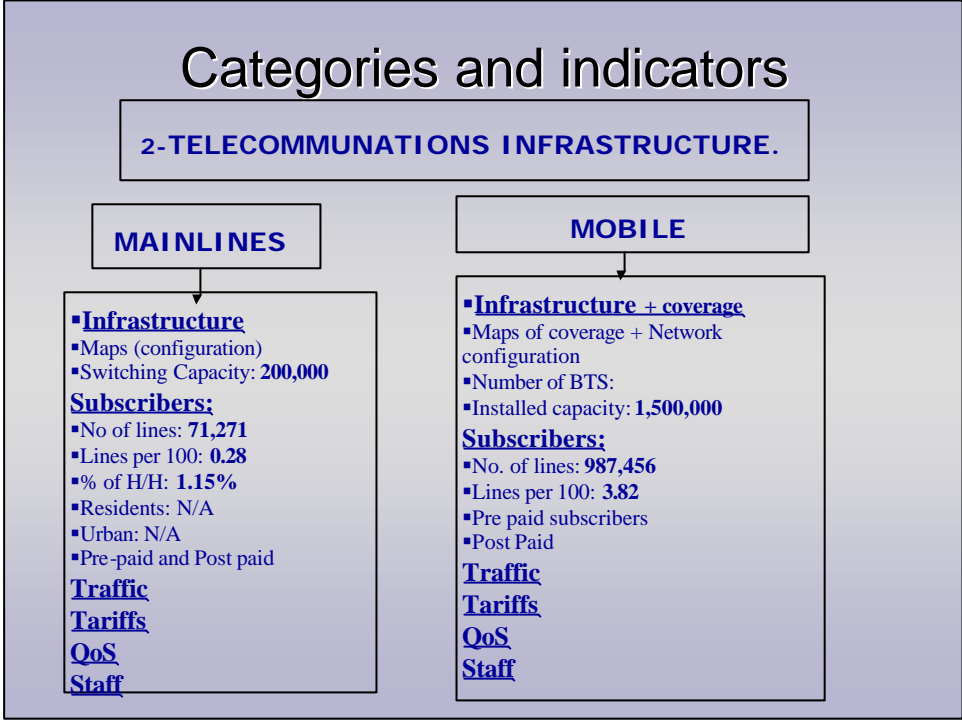
# Uganda ICT indicators

## ■ GENERAL NOTES

- Telecommunications indicators as per the current Mandate.
- ICT policy proposes for the UCC to become an ICT Secretariat
- UCC has Undertaken steps to Collect some indicators related ICT Usage
- Data collection responsibility handled by office of the Economist/ Statistics.

## Categories and indicators Cont.





## Categories and indicators

### 2-BROADCASTING/ MEDIA

#### ▪ **TELEVISION STATIONS**

- Number of licenses per Channel
- Location
- Frequency allocated

#### ▪ **DETAILS**

- Television receivers
- Satellite home receivers
- STAFF

#### ▪ **RADIO**

- Number of radio station FM etc
- Locations
- Frequency allocated

#### ▪ **DETAILS**

- Radio receivers
- STAFF

## Categories and indicators

### POSTAL

#### ▪ **Major License:1**

- Tariffs
- Services provided
- Coverage
- Number of employees
- Volume of postage per category

#### ▪ **Minor license: 19**

- Services provided
- Number of employees
- Volume of postage per category
- Tariff (notifications)

## Data Collection

- Mandate derived from
  - Section 55 and 56 of the Communications ACT
  - Article 7.16 Major (National) license
  - Article 24, ISP license
- Collection
  - Quarterly report
  - Annual compliance reports
  - Financial Reports
  - reports
  - Ad-hoc
- Survey
  - Internet usage, cafés, NGO's offices
- Consultancies and Research bodies

## Data Processing and storage

- No specific software for data entry
  - Excel and Access
- No specific software for Processing
  - Excel, Access, SPSS, Eviews, STRATA etc
- Tentative Data bank in Excel and Access
- Data Bank on Main server (Restricted access)
- IMIS System in place



## Data dissemination

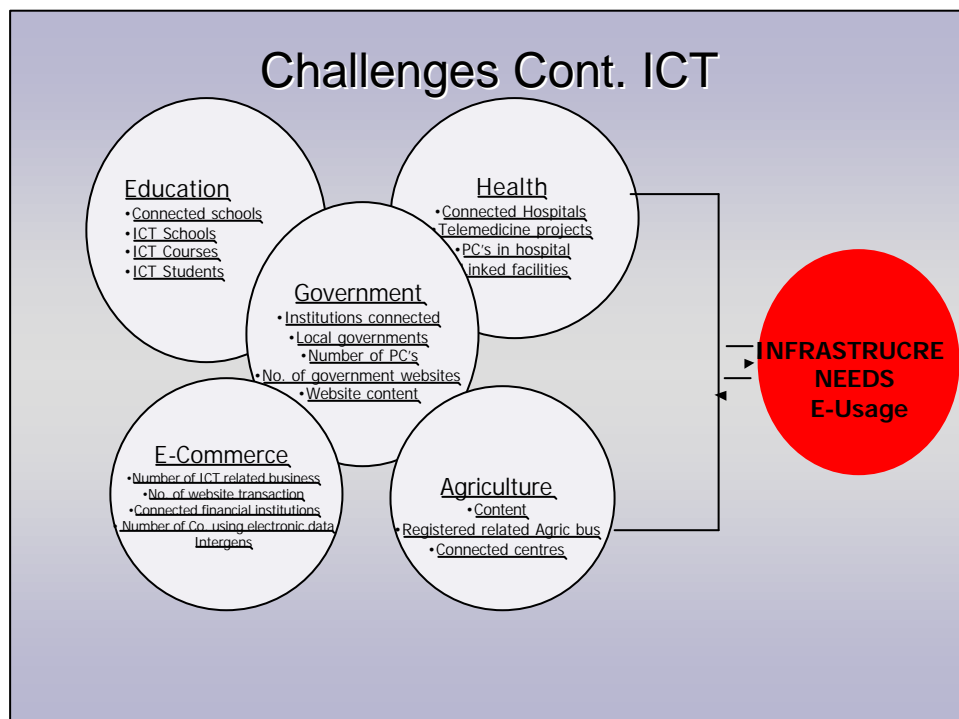
- Over the net [www.ucc.co.ug](http://www.ucc.co.ug)
- Regular publications Annual, quarterly etc
- Networking with member countries
- Networking with international organizations, ITU, COMESA,
- Data source for researcher
- Note: All data disseminated is aggregated unless specified

## Challenges

- Collection, unwillingness for operators to disclose some data
- **Irregular** Reporting by operators
- **Verification**: No systematic mechanism in place costly
- No systematic processing mechanism in place (No software)
- **DEFINITION**: Need to revise some definitions for indicators
- **DISSEMINATION**: Not regular
- Specific to UCC is inadequate human resources

## Challenges Continued

- Specific to Uganda
  - Non existence of an ICT secretariat
- Activities undertaken
  - An ICT policy
  - Reviewing the telecommunications policy
  - New policy to emphasis infrastructure need for ICT application



## Challenges not specific to indicators

- Need to expedite the process of establishing an ICT secretariat
- need for ICT laws and regulations
- Insufficient network infrastructure to support ICT application
- lack of appropriate content & development
- lack of awareness
- high start-up and recurrent costs
- illiteracy and lack of ICT skills
- General Macro-Economic Insufficiencies
- Insecurity in some parts of the country

## WAY FORWARD Indicators

- Redefine elements of indicators to include ICT application indicators
- Redefined modalities of data collection and **data dissemination**
- Impose strict obligations to ensure commitment from operators to supply data regularly
- Create a specific software for collection analysis, etc uniform to countries
- Specific to UCC MIS system
- **NEED FOR ACCURATE AND TIMELY INDICATORS**

**Thank you**

