

ICT Integration in Education,
distributed leadership and
Policy Coherence; A Case of
Zambia

Dr. Michael Chilala

ZAMBIA LOCATION



ZAMBIA'S ICT VISION

“A Zambia transformed into information and knowledge based society supported by increased access to ICTs by all citizens by 2030”

REGULATION

Establishment of the Zambia Information and Communications Technology Authority (ZICTA) to regulate;

- **Telecommunication Services;**
- **Information Technologies (office automation and network solutions);**
- **Transformation of postal services, e-commerce and e-transactions;**
- **Broadcasting services**

STRATEGIES

- **In the Vision 2030 policy document, the ICT vision will be achieved through:**
 - Diversified education curricula that are responsive to the knowledge, values, attitudes and practical skill needs of individuals and society at large;
 - Investing in people through education and training to ensure job creation and socioeconomic transformation;
 - Establishing a knowledge-based economy that is fully competitive, dynamic, robust and resilient in an integrated global and liberal environment;
 - Establishing a progressive society that is an innovative and forward-looking contributor to the scientific and technological advancement of the future;

Launch of Centre for E-Governance

- The Centralised Computer Services Department (CCSD) established in 1968 to provide data processing services to public institutions;
- Government transformed CCSD into a Centre of Excellence for e-Government and ICT to;
 - facilitate implementation of e-Government
 - coordinate and support ICT in the Public Service
- The Centre is expected to, among other things:
 - effectively spearhead the implementation of public ICT policy
 - regulate the adoption and usage of common shared ICT systems, infrastructure and human resources in the Public Service.

PRESIDENT LUNGU ACTS ON ICTs

Speaking at the launch of the transformation of Centralised Computer Services Department into the E-Governance division under the theme **embracing a transformational culture for a smart Zambia**, the President:



- Directed Ministers and Permanent Secretaries to prioritise implementation of ICTs in government operations in order to accelerate sustainable development in the country;
- Moved the functions of the e-government and ICT to his office;

WHAT HAS BEEN DONE IN EDUCATION

- Curricula has been revised to include ICT as a compulsory subject for teaching and learning from ECE levels to Grade 9, after that it becomes optional as a specialisation;
- iSchool Private project
- Distributing computers to schools, colleges and education offices;
- Recapitalising the National Science Centre which manufactures resources for teaching and learning of science;
- Revised the teacher training curriculum to include among others, Computer Studies, as a compulsory subject and specialisation,
- Implemented a fast track programme training teachers of Science, Mathematics and ICTs

Introduction of Web-Based Learning



Using computers inside the Linknet Resource Container, an internet resource centre built inside a shipping container which can be transported to remote rural areas.

Source: PANOS Policy Brief

Using the internet to access resources and support will enhance teaching and learning in Zambian schools.

Using Radio (IRI)



Using radio to supplement lessons for learners in schools that have few teachers



Using radio to teach in rural areas through an interactive process

Education Through Television

- **MULTI-CHOICE Zambia Limited** has said the installation of free DStv kits in 40 high schools across the country will enhance better education;
- Multi-Choice initiated the project as a direct response to its corporate social investment obligation to gain access to modern worldwide developments in Information and Communication Technology (ICT).



Under Revised Curriculum - 2014

- Trade tests were conducted at 9th Grade level in the following subjects:
 - Bricklaying and Plastering
 - Carpentry and Joinery
 - Metal Fabrication
 - Electrical
 - Food Production
 - Designing, Cutting and Tailoring
 - Computer Studies
 - Auto Mechanics
 - Painting, Decorating and Sign Writing
 - General Agriculture

The 1,388 learners who passed in the trade test level 3 have been awarded Trade Certificates by the Technical Education, Vocational and Entrepreneurship Authority (TEVETA) while continuing with High School education at Senior Level

Integration of ICTs in Examinations

- Online systems
 - Candidate registration
 - Verification
 - Marks Capturing
 - Results Release
 - Query Trucking
 - Performance Feedback System
- E-Marking
- Human Resource Management System;
- Financial and Procurement Transactions
- Opening of the Business Continuity Centre

“A winner is a dreamer who never gives up”



OPPORTUNITIES FOR THE FUTURE

- Zambia's Institute of Distance Education;
- Zambia's Education Broadcasting Services;
- Zambia's Education Television Services;
- Zambia's supportive policy environment;
- Zambia's with to teach and learn;
- Zambia's robust ICT infrastructure

**Ambition never
comes to an end.**

Kenneth Kaunda



... a good head and a good heart are always a formidable combination-Mandela

Thank you for listening !

