

ICT IN EDUCATION

Presentation to Portfolio Committee

4 September 2007



education

Department:
Education
REPUBLIC OF SOUTH AFRICA

Outline of the Presentation

- Background for the implementation of ICT in Education
- Achievements
- Feasibility Study Process
- Needs Analysis
- Opportunities
- Challenges
- Immediate action

Background for the Implementation of ICT in Education

Principles

- **Systemic** impact - planning, management and administration
- Reduce **expenses** or **change the ways** in which things are being done
- Improved **communication**, flow of **information** and access to information;
- Widening access to high **quality**, relevant and diverse **resources** and **learning opportunities** to all teachers and learners
- Exposing **all learners**, in advantaged and disadvantaged areas, to enriched educational experiences; and
- Provide to all learners and teachers the means of **communication** and **collaboration** to **enhance teaching and learning**; and give all learners the opportunities to excel in a 21st Century environment.

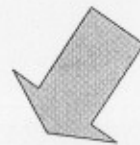
Achievements

- National Strategy for Information and Communication Technology in Education (2001) jointly published by the Departments of Education and Communications
- White Paper on e-Education (2004)
- Electronic Communications Act (2005) – e-Rate, EduNet and the use of the USA to provide infrastructure in schools
- Concept developed for the EduNet with the Department of Communications
- Guidelines for teacher development that identifies 3 categories of professional development, namely:
 - Basic ICT competencies;
 - Integration of ICT into teaching and learning; and
 - Specialization and innovation in ICT in education
- National Educational Portal 'Thutong' and content development
- National e-Education Research Agenda
- Conceptualize a teacher laptop programme
- Training and support to Subject Advisors
- Provincial ICT Roll-out Plans – e.g. Khanya in the WC and Gauteng OnLine in Gauteng. Provinces are at different levels of implementation and face different challenges
- Coordination – HEDCOM ICT Sub-Committee, ICT Inter-Provincial Working Group, working with other branches and directorates.

Feasibility Study - ICT in Education

In order to implement ICT in Education and in accordance with the e-Education White Paper's Strategic Objectives the Department of Education has initiated structured processes to develop a feasible model/s to supply schools and FET Colleges with:

- Secure infrastructure for ICT equipment
- ICT hardware and software
- Access to broadband technologies
- Curriculum support and innovation
- Ongoing professional development
- Electronic and on-line learning support material
- Support services



Schools – Feasibility Study



FET Colleges - Recapitalisation

Feasibility Study

Identification of suitable solutions and services for the implementation of ICT in Education:

- Infrastructure in all schools and for all district support personnel including maintenance, sustainability, security, technical support and initial training
- Broadband Connectivity to all schools, FET Colleges and district offices
- Ongoing professional development (teacher training and teacher development programmes) for teachers, principals and district support personnel
- Maintenance and further development of the Educational Portal and content development
- Research, monitoring and evaluation
- Appointment of Human Resources (National, Provincial and Districts) to drive, manage and support ICT in Education

The current process includes:

- Needs Analysis
- Options Analysis – propose the best model of implementation/ procurement
- Project Due Diligence
- Economic Valuation
- Value Assessment
- Procurement Plan

This is done in accordance with National Treasury's PPP Framework which requires that there is affordability, adequate transfer of risk and must provide good value for money. 6

PROJECT METHODOLOGY

