Western Cape Broadband Initiative

2 December 2015
Accelerate Cape Town Workshop
By 2030, every citizen in every town and village will have access to affordable high speed broadband infrastructure and services, will have the necessary skills to be able to effectively utilise this infrastructure and is actively using broadband in their day to day lives.
WC Broadband Goal 2020

Objective: Improve competitiveness to businesses and livelihoods of citizens through broadband

Target: 13% increase of WC population using internet

Goal: Total of 70% internet penetration in province
WC Strategy & Plan

STREAM 1
Government Connectivity

STREAM 2
Citizen and Business adoption

STREAM 3
Government applications (mainly ERP)

STREAM 4
E-learning | E-education game-changer

STREAM 5
Connected Municipalities
Government connectivity:

1964 sites (schools, clinics, libraries, hospitals)

925 connected as of yesterday
BBI STREAM II Strategy and Plan

Objective: Improve competitiveness to businesses and livelihoods of citizens through broadband
Target: 13% increase of WC population using internet
**Connected Leadership Projects**

**STAKEHOLDER COORDINATION**
Ongoing dialogue amongst stakeholders to identify challenges and collaborate in formulating and implementing solutions

**BENCHMARKING & MONITORING**
Track & monitor impact of broadband initiatives

**CAPE DIGITAL FOUNDATION**
Leverage financial and non-financial support for SEBO and facilitate implementation of WCG Stream II projects

**COLLABORATIVE INITIATIVES**
Implementation of collaborative projects
Connected Citizens Current Projects

ICAN Franchise
Social entrepreneurship-based public ICT access facilities across WC

ICAN Pilot
Proof of Concept in Elsies River

Citizen Internet Champion
Digital literacy for citizens

WIFI Hotspots
Integrate and expand the public access ICT offering to citizens

E-Skills Platform
Provide communities with access to relevant e-skills programmes

Broadband4Skills
E-skills training suite
Connected Citizens Current Projects

Digital Inclusion

- ICAN Franchise
  Social entrepreneurship-based public ICT access facilities across WC

- WiFi Hotspots
  Integrate and expand the public access ICT offering to citizens

- ICAN Pilot
  Proof of Concept in Elsies River

- Citizen Internet Champion
  Digital literacy for citizens

- E-Skills Platform
  Provide communities with access to relevant e-skills programmes

- Broadband4Skills
  E-skills training suite
Connected Business Projects

- Community Incubator Barn: Support development of ICT solutions & entrepreneurship
- Content & Demand Stimulation: Business Toolkits and support content creation industries
- Broadband Business Toolkit: Support design-based competitiveness through ICT
- Big Data: Infrastructure support for data-intensive businesses
- IP for Digital Industries: Analysis of regulatory and financial barriers for digital businesses
- Design Tech Centre: Support design-based competitiveness through ICT
Connected Business Projects

**Digital Economy**
- Community Incubator Barn
  - Support development of ICT solutions & entrepreneurship

**Content & Demand Stimulation**
- Business Toolkits and support content creation industries

**Broadband Business Toolkit**
- Support design-based competitiveness through ICT

**Big Data**
- Infrastructure support for data-intensive businesses

**IP for Digital industries**
- Analysis of regulatory and financial barriers for digital businesses

**Design Tech Centre**
- Support design-based competitiveness through ICT
PURPOSE:
To improve internal efficiencies, management practices and establish a modern government

Overlap with Digital Government

BizProject
BizPerformance
BizBrain / BI
BPO
MyContent – DCAS
Change Navigation

Lead: Cel
## WCED: From Vision to Strategy

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>CONNECTIVITY (WAN)</strong></td>
<td>- Broadband, high speed, free connectivity to all schools in WC</td>
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| **LANs** | - WiFi  
- 100% Instructional spaces |
| **SMART** | - All delivery areas are SMART  
- Technology-enabled environments |
| **DIGITAL RESOURCES** | - Access to central repository  
- ePortal (wcedeportal.co.za)  
- Online resources 24/7, User-centric |
| **LEARNER TECH. (Selected Pilots)** | - Hand-held devices for all learners  
- Flipped classrooms eventually |
1. Create an enabling environment with a shared WCED-wide e-learning culture

2. Provide the necessary technology, connectivity and related infrastructure and support systems to use ICT in learning, teaching and admin

3. Provide learners with the necessary technology and resources that enable a learner-centred approach

4. Increase the use of technology by learners in both learning and assessment activities

5. Equip and support teachers and education managers to use technology effectively and innovatively

6. Increase the use of technology by teachers in all aspects of teaching

7. Provide up to date digital content that is responsive to the needs of teachers and learners

8. Reduce the manual administration towards more effective planning and management

**E-education Road map**

**LEARNER-CENTRIC**

**TEACHER-CENTRIC**
Western Cape Broadband Investment

**BUDGET QUANTIFIED**

- **R3.8 billion** to connect the province over 10 years;
- This includes **R2 billion** for broadband and infrastructure rollout at schools;
- **R417 million** for connectivity at schools over 3-year MTEF (2014/15 - 2016/17)
STREAM 5

• Lead Department: Local Government

• Newest roadmap, primarily focussed on non-metro areas.

• DLG convenes a provincial ICT Managers Forum

• Main aim: Alignment of strategies, shared services support, ICT capacity support and skills sharing.

• Current focus is on corporate governance issues, municipal web-presence and broadband deployment support

Overlap with Digital Government

Connected Municipalities

Support to the 30 WC municipalities